## Anthony M. Napoli, MD, MHL, FACEP

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# Physician Executive Innovative strategist, change agent, and forward-thinking visionary.

Accomplished clinical operations and administrative physician executive and academic leader with multifaceted experience driving transformational change with ingenuity and business acumen. Collaborative leadership style that empowers and inspires nurse, physician and administrative teams to top performance. Analytical, critical thinker able to identify opportunities for improvements and use data-driven decision making to deliver innovative solutions that meet healthcare challenges and ensure highest quality patient care.

#### **AREAS OF EXPERTISE**

- Administrative Director
- Clinical Operations
- Strategic Planning
- Team Leadership
- Performance, Process, & Quality Improvement
- Training & Development
- Budget Development
- Academic Scholarship
- Research
- Policies & Procedures
- Safety Standards & Regulations

#### **ACCOMPLISHMENTS**

- Transformational Change Leadership Exceptional track record of healthcare facility operational management
  and transformation including conceptualization and development of sustainable performance and process
  improvement strategies and programs that increase efficiencies, optimize resources, and reduce costs while
  ensuring highest-level patient care.
- Clinical Excellence Proven history as high-performance clinician consistently ranking in top decile of most
  clinically productive at multiple hospital sites; extensive administrative management and team leadership
  experience; balance delivery of highest-level patient care while meeting institutional goals and resolving
  demanding healthcare challenges.
- Nationally Recognized Educator and Scholar Demonstrated research, academic, and medical leadership
  strength; author of more than 50 manuscripts in peer reviewed journals including Modern Healthcare, Annals
  of Emergency Medicine, Academic Emergency Medicine, JAMA, and Shock; compelling presenter with more
  than 50 abstracts presented at national and international meetings and conferences. Complete List of
  Publications, Conferences, Presentations, and Awards

### PROFESSIONAL EXPERIENCE

### Vice Chair of Clinical Affairs, Brown Emergency Medicine

2023 - Present

Executive oversight of the clinical care and operations of Brown Emergency Medicine, a 501 (c) 3 organization that staffs 4 Emergency Departments (total ED visits ~ 250,000): Anderson F. Emergency Care Center (a level 1 trauma center), The Miriam Hospital Emergency Department, Newport Hospital Emergency Department, and Hasbro Emergency Department. Site medical directors at all four sites report to me, as well as the Director of Quality & Safety, Director of Clinical Informatics, and the Director of Observation Services. This role works closely with the

chair in setting overall clinical strategy for emergency department operations, as well as with hospital and system level leadership on patient flow and quality of care initiatives. Responsibilities also include: hiring, developing, and mentoring administrative leadership talent; clinical staffing and budget priorities; data driven analytic changes to care that reduce provider variation and improve quality of care.

### Chair, Department of Emergency Medicine Newport Hospital, Newport, RI

2015 - Present

Spearhead comprehensive large-scale, award-winning transformation initiatives for 129-bed hospital serving 80,000 residents and treating 33,000 emergency department patients annually. Lead strategic planning, development, and orchestration of departmental change management programs. Collaborate with senior leadership teams including the hospital president and Chair of the Brown Department of Emergency Medicine. Actively serve on multiple committees leading strategic direction, protocol, policy, and procedure development, expansion planning, and identification of innovative solutions to numerous healthcare and emergency challenges.

- Reduced door-to-provider times by 75% establishing lowest state-wide rate; improved patient satisfaction from 50<sup>th</sup> to approximately 90<sup>th</sup> percentile; project success garnered extensive news media attention including newspaper, radio, and magazine coverage.
- Recognized as one of Top 10 Groundbreakers in Newport and won the Lifespan Barnet Fain Quality Award.
- Increased billed visits by 1000 patients annually by reducing *left without being seen* (LWBS) rates from 3.6% to 0.6%.
- Played key executive physician leadership role in high-profile *Emergency Department Capital Fundraising Campaign* raising \$12.5 million.
- Led multiple Covid-19 response initiatives including: field hospital/hospital surge emergency staffing; initiated EHR-based homecare patient companion; contributing member of Rhode Island Governor's Taskforce for testing and validation; led testing and surveillance program for vulnerable populations of Rhode Island leading to isolation, quarantine, housing, and medical care programs; developed Lifespan ED vaccination program.
- Expanded the emergency medicine residency training program to Newport Hospital
- Co-chair of the Newport Hospital Workforce Safety Council

### Academic Director, Master of Science in Healthcare Leadership Professor of Health Services, Policy, and Practice, Brown University School of Public Health Brown University School of Professional Studies, Providence, RI

2021 - Present

Lead all aspects of 16-month residential and online academic program for healthcare professionals including strategic planning and direction, academic content and curriculum design oversight, budget development, and implementation of marketing and communications initiatives. Advise and guide students in preparation for clinical, corporate, and public sector leadership roles.

- Increased recruitment and enrollment 50% in the first year as part of the leadership team
- Led the addition of more diverse faculty, integration of DEI curriculum and anti-black racism guidelines
- Refreshed the curriculum to include workforce development and retention, digital health, entrepreneurship, and healthcare innovation
- Developed a more accelerated, innovative, lower cost curriculum to further improve enrollment

### Board Member, Brown Physicians Incorporated

2023 - Present

Selected to serve a three-year term as an at large member of the largest multispecialty practice in Rhode Island.

Co-Director, Emergency Medicine Administrative Leadership Fellowship Program Brown Emergency Medicine, Providence, RI

2020 - Present

Lead post-graduate fellowship program for emergency medicine physicians seeking advanced leadership training and experience. Trainees collaborate with nationally recognized emergency medicine administrative leadership to learn how to participate as part of leadership team and receive advanced master's degree.

- Recruit, review, and advise fellows in a 2-year administrative leadership program
- Lead the educational curriculum for developing future emergency department leaders
- Lead operational research for the department through collaborating and mentoring fellows

# Professor of Emergency Medicine, Warren Alpert School of Medicine at Brown University 2006 – Present The Miriam, Rhode Island, Newport, and Hasbro Children's Hospital, Providence, RI

Active clinical physician overseeing numerous primary healthcare practitioners, nursing, and staff teams including medical students, interns, and residents ensuring highest standard of quality patient care.

- Consistently ranked in top decile of most clinically productive clinicians at all sites.
- Leadership that has led to Clinical Director's Award, Foundation Leadership Award, Faculty Teaching Award, and employee of the month on multiple occasions
- Established and co-direct multidisciplinary task force acknowledged for developing and revising Lifespan Hypothermia After Cardiac Arrest Protocol resulting in a doubling survival rate of out-of-hospital cardiac arrests at all facilities.
- Contributing member of Department of Emergency Medicine Clinical Operations Committee and Executive Committee, and member of Lifespan Emergency Services Council.

# Board Member, Rhode Island American College of Healthcare Executives Providence, RI

2022 - 2023

Serve on state board of national healthcare executive leadership organization. Established a leadership series in coordination with Brown University School of Professional Studies while serving on education subcommittee.

# Consultant Medical Director, Rhode Island Department of Health Providence, RI

2020 - 2021

Served on a team of medical director consultants who advised the Rhode Island Director of the Department of Health on issues related to public health, operations, policies, and management during COVID-19

### Brown Emergency Medicine, Providence, RI Treasurer and Finance Chair

2010 - 2017

Termed off board seat of 300-employee non-profit organization with \$60 million gross annual revenue supporting excellent clinical care mission to more than 250,000 emergency department visits annually,

- Developed financial strategic plans, prepared annual budgets, strengthened departmental reserves, and expanded clinical services lines
- Established an expense working group that reduce operating expenses annually by over \$2 million.
- Established and chaired a department investment policy committee that provides guidelines on strategic investment reserves and ensure compliance with ERISA guidelines

# Medical Director, Emergency Department Observation Unit Andrew F. Anderson Emergency Center Rhode Island Hospital, Providence, RI

2007 - 2015

Drove all daily medical leadership and administration of an emergency department observation unit at a level 1 trauma center. Developed protocols of care that enhanced patient outcomes and experience. Organized, reviewed, and monitored healthcare team's performance to ensure efficiency and effectiveness.

- Reduced length of stay versus inpatient admission by more than 50% through development and implementation of clinical guidelines and protocols for expanded use of emergency department observations of conditions such as chest pain and TIA.
- Led the accreditation and re-accreditation of Rhode Island Hospital as first-ever state Chest Pain Center.
- Developed a registry for enhancing risk assessment, treatment, and follow-up of admitted patients.
- Appointed lead educator for physicians, residents, midlevel providers, and emergency department staff on identification and management of acute coronary syndrome and low risk chest pain.

#### **EDUCATION**

### **Executive Master of Healthcare Leadership (EMHL)**

Brown University School of Public Health • Providence, RI • 2013-2015

### **Emergency Medicine Residency**

Department of Emergency Medicine, Alpert School of Medicine at Brown University Providence, RI ● 2002-2006

### Medical Doctorate (MD)

Georgetown University School of Medicine • Washington, DC • 1998-2002

## Bachelor of Science and Engineering, summa cum laude

University of Pennsylvania • Philadelphia, PA • 1992-1998

#### PROFESSIONAL DEVELOPMENT

The Business of Healthcare Specialization, PENNMED/Wharton Online, 2021

### **LICENSURE & CERTIFICATION**

Diplomat, American Board of Emergency Medicine, 2007 – Present

Rhode Island State Medical License (License #MD11883), 2005 – Present

Massachusetts Medical License (License #231593), 2007 – Present

Rhode Island Disaster Medical Assistance Team, 2002 – 2006

### **AFFILIATIONS**

American College of Healthcare Executives, 2014 – Present
Emergency Department Benchmarking Alliance, 2014 – Present
Fellow, American College of Emergency Physicians, 2001 – Present
Rhode Island Medical Society, 2006 – Present

### **CURRICULUM VITAE**

### ANTHONY M. NAPOLI, MD MHL FACEP

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Department of Emergency Medicine

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Email Address: anthonymnapoli@yahoo.com

**EDUCATION** 

Undergraduate: University of Pennsylvania, Philadelphia, PA

Bachelor of Science and Engineering in Bioengineering

Graduated Summa Cum Laude

Minor, Mathematics

1994 - 1998

Medical School: Georgetown University Medical School, Washington, DC

Doctor of Medicine

1998 - 2002

### POSTGRADUATE TRAINING

Residency: Brown University Medical School

Emergency Medicine Residency Rhode Island Hospital, Providence, RI

2002 - 2006

Fellowship: Emergency Medicine Basic Research Skills (EMBRS)

Fellowship Program

2006 - 2007

Masters: Executive Master of Healthcare Leadership

Brown University School of Public Health, 2013 – 2015.

Additional The Business of Healthcare Specialization

Training: PENNMED/Wharton Online, 2021

Coursework in Financial Acumen for Non-Financial Managers; The Economics of Health Care Delivery; Management Fundamentals; Health

Care Innovation

# POSTGRADUATE HONORS AND AWARDS

2023	Clinical Leadership Award, Brown Emergency Medicine
2020	COVID Special Service Award, Department of Emergency Medicine
2020	<ul> <li>Rhode Island Department of Health Governor's Taskforce on COVID-19 Testing and Validation.</li> <li>This taskforce provided recommendations to the governor and director of department of health on test quality, validation, and implementation.</li> </ul>
2020	Emergency Physician of the Year – Rhode Island American College of Emergency Physicians
2020	<ul> <li>Special Service Award – Rhode Island American College of</li> <li>Emergency Physicians</li> <li>This award recognized the individual special service and leadership demonstrated during the early phases of the COVID-19 pandemic.</li> </ul>
2017	<ul> <li>Barnet Fain Award for Quality and Safety – Lifespan Health System</li> <li>This award is given to the department demonstrating the single best quality and safety improvements throughout the entire healthcare system. It recognized the improvements in operations, quality, and service excellence at Newport Hospital Emergency Department</li> </ul>
2017	Top 10 Groundbreakers of 2017 – Lifestyle Magazine
2016	President's Award - Newport Hospital  This award is given to the department demonstrating the greatest operational improvements and service excellence.
2016	Foundation Leadership Award – Newport Emergency Department, Department of Emergency Medicine  This award is given to the Department of Emergency Medicine faculty member who demonstrates exemplary leadership on behalf of the department
2015	Clinical Director's Award – Anderson Emergency Department, Department of Emergency Medicine  This award is given to the EM Department member who is fundamental to the successful functioning of the Department and represents EM best to the hospital at large.
2015	Rhode Island Hospital Emergency Department October Employee of the Month
2014	Rhode Island Hospital Emergency Department June Employee of the Month

2012	Rhode Island Hospital Emergency Department Employee of the Month, January	
2011	Paul Calabresi Faculty Research Award, Department of Emergency Medicine	
2011	Best Young Investigator Award, Society of Academic Emergency Medicine Annual Research Forum, Boston, MA.	
2011	Rhode Island Hospital Emergency Department "Team of the Month," Attending Physician	
2010	Outstanding Physician Award, Department of Emergency Medicine	
2009	Selected as "Fellow" of the American College of Emergency Physicians	
2009	Jacek Franaszek Faculty Teaching Award, Department of Emergency Medicine	
2007	Junior Faculty Research Development Grant, Department of Emergency Medicine	
2006	Robert H. Woolard Academic Achievement Award, Department of Emergency Medicine	
2006	Haffenreffer House Staff Excellence Award, Rhode Island Hospital	
2006	Resident Academic Achievement Award, National Nominee Council of Emergency Medicine Residency Directors' (CORD)	
2005 – 2006	Chief Resident, Brown University Medical School Emergency Medicine Residency, Rhode Island Hospital, Providence, RI	
2005 – 2006	Emergency Medicine Resident's Association National Representative (reappointed), American College of Emergency Physicians Clinical Policies Committee	
2004 – 2006	Emergency Medicine Resident's Association National Representative, American College of Emergency Physicians Clinical Policies Committee	
2000	Best Poster Presentation. Mid-Atlantic Regional Research Forum for the Society for Academic Emergency Medicine. York, PA.	

## PROFESSIONAL LICENSES AND BOARD CERTIFICATION

2007 - Present Diplomat, American Board of Emergency Medicine

2005 – Present Rhode Island State Medical License
(License # MD11883)

2007 – Present Massachusetts Medical License (License #231593)

2007 – 2009 Instructor, Advanced Trauma Life Support

2002 – 2006 Rhode Island Disaster Medical Assistance Team

### **ACADEMIC APPOINTMENTS**

2023 – Present	Professor of Health Services, Policy, and Practice, Brown University School of Public Health
2022 – Present	Professor of Emergency Medicine, Warren Alpert School of Medicine at Brown University, Providence, RI
2021 – Present	Academic Director, Brown University Master of Healthcare Leadership, School of Professional Studies, Brown University.
2021 - Present	Instructor, HCL2130 – Course in Data Analytics. Brown University Master of Healthcare Leadership. School of Professional Studies, Brown University.
2021 - Present	Instructor, HCL 2080 – Course in Critical Challenge Project. Brown University Master of Healthcare Leadership. School of Professional Studies, Brown University.
2014 – 2022	Associate Professor of Emergency Medicine, Warren Alpert School of Medicine at Brown University, Providence, RI
2015 – 2021	Academic Advisor, Brown University Executive Master of Healthcare Leadership. School of Professional Studies, Brown University
2007 – 2013	Assistant Professor of Emergency Medicine, Warren Alpert School of Medicine at Brown University, Providence, RI
2009 – 2011	Adjunct Professor of Emergency Medicine, Washington Hospital Center, Department of Emergency Medicine, Washington, D.C.
2006 – 2007	Assistant Clinical Professor of Emergency Medicine, Brown University Medical School
2005 – 2006	Chief Resident, Emergency Medicine Residency Program, Brown University Medical School
2005 – 2006	Assistant Instructor of Emergency Medicine, Brown University Medical School

# HOSPITAL APPOINTMENTS

2023 – Present	<ul> <li>Vice Chair of Clinical Affairs, Department of Emergency Medicine</li> <li>Lead the clinical operations strategy, planning, and oversight of 4 EDs</li> <li>Lead the clinical staffing and planning of the physician and APP group</li> <li>Participate in recruitment of clinical faculty</li> <li>Oversee all Medical Directors and Associate Medical Directors of 4 Emergency Departments, Director of Quality and Patient Safety, and the Director of Emergency Department Observation</li> <li>Draft, review, and revise policies for Department of Emergency Medicine clinical affairs</li> </ul>
2015 – Present	<ul> <li>Chair and Medical Director, Department of Emergency Medicine, Newport Hospital, Newport, RI</li> <li>Led an emergency department transformation that has reduced door-to-provider times by 75% (now the lowest in the state), and improved patient satisfaction from below the 50th percentile to &gt;90th percentile of peer emergency departments</li> <li>A physician leader in the Emergency Department Capital Campaign – this campaign raised \$12.5 million.</li> </ul>
2006 – Present	Attending Physician, Department of Emergency Medicine, The Miriam Hospital, Providence, RI
2006 – Present	Attending Physician, Department of Emergency Medicine Rhode Island Hospital, Providence, RI  Over 500 hrs/yr of resident/medical student bedside clinical education
2006 – Present	Attending Physician, Department of Emergency Medicine Hasbro Children's Hospital, Providence, RI
2012 – 2016	Co-director, Division of Critical Care & Resuscitation, Department of Emergency Medicine
2007 – 2015	<ul> <li>Medical Director, Chest Pain Unit, Andrew F. Anderson Emergency         Center         <ul> <li>Developed a treatment database for enhancing risk assessment, treatment, and follow-up of all admitted patients</li> <li>Lead educator for physicians, residents, midlevel providers, and Emergency</li></ul></li></ul>
2008 – 2015	<ul> <li>Medical Director, Rhode Island Hospital Chest Pain Center</li> <li>Initiated and led hospital accreditation, re-accreditation</li> <li>Lead physician in ensuring hospital staff education on management of chest pain syndromes commensurate with Society of Chest Pain Center guidelines – 30 hrs/yr</li> </ul>
2012 – 2013	Member, Cardiovascular Institute Operations Committee
2007 – 2009	Attending Physician, Nantucket Cottage Hospital

# NATIONAL APPOINTMENTS

2022 - 2023	Elected as a Board Member, American College of Healthcare Executives
2021 – Present	Subcommittee Chair, Emergency Department Benchmarking Alliance Summit
2021 – Present	Reviewer, The Joint Commission Journal on Quality and Patient Safety
2019 – Present	Reviewer, Journal of Healthcare Management
2018 – 2020	Co-chair, Emergency Department Benchmarking Alliance (EDBA) Summit IV  EDBA is an alliance of emergency departments that accounts for more than 50% of the nation's ED visits and sets the standard for emergency department operations
2015 – Present	Reviewer, British Medical Journal (BMJ)
2015 – Present	Reviewer, Internal and Emergency Medicine
2014 - Present	Member, American College of Healthcare Executives
2013 – Present	Reviewer, PLOS One
2007 – Present	Reviewer, American Journal of Emergency Medicine
2007 - Present	Reviewer, Journal of Emergency Medicine
2011 - Present	Reviewer, Critical Care
2011 - Present	Reviewer, Journal of Clinical Monitoring and Computing
2010 - Present	Reviewer, Medical Science Monitor
2009 - Present	Reviewer, Canadian Journal of Emergency Medicine
2009 – Present	Reviewer, Academic Emergency Medicine Journal
2009 - Present	Consultant, Gerson-Lehrman Group
2012 – 2014	Lecturer, Fundamental Critical Care Support Course, Society of Critical Care Medicine
2011 – 2014	PENN Engineering Mentoring Program
2009 – 2012	Contributor, Sermo – online discussion forum for Physicians
2011 – 2012	CMS Alpha Test Committee on Sudden Cardiac Arrest Core Measure
2010 - 2015	Society of Academic Emergency Medicine External Collaboration Committee

2010 - 2012	Society of Academic Emergency Medicine, Engineering Interest Group
2009	Faculty, Society of Chest Pain Centers Annual Congress, Memphis, TN
2007 – 2009	Instructor, American College of Surgeons Advanced Trauma Life Support
2004 – 2006	American College of Emergency Physicians Clinical Policies Committee, Emergency Medicine Resident's Association National Representative
2004 - 2006	EMRA Representative, ACEP Clinical Policies Committee
2004 – 2007	Media Reviewer, Academic Emergency Medicine

# **REGIONAL APPOINTMENTS**

2015 – Present	<ul> <li>Rhode Island Emergency Department Medical Director's Taskforce</li> <li>Taskforce consisting of all ED medical directors throughout the state. Work to coordinate emergency care operations throughout the state. Advise and consult with the RI DOH.</li> </ul>
2020 – 2021	<ul> <li>Member, Rhode Island Department of Health Governor's Taskforce on Testing and Validation, COVID-19 Response</li> <li>Appointed to this taskforce that provided recommendations to the governor and director of department of health on test quality, validation, and implementation.</li> </ul>
2020 – 2021	Rhode Island Department of Health, Consultant Medical Director  Hired as a consultant medical director to provide recommendations on the COVID-19 response

# **DEPARTMENTAL APPOINTMENTS**

2012 – Present	Finance Committee, Department of Emergency Medicine/Brown Emergency Medicine
2012 – Present	Negotiations Committee, Department of Emergency Medicine/Brown Emergency Medicine
2012 – 2021	Investment Policy Committee, Department of Emergency Medicine/Brown Emergency Medicine
2018	Chair Search Advisory Committee, Department of Emergency Medicine/Brown Emergency Medicine
2012 - 2014	Member, Rhode Island Traffic & Safety Coalition
2012 – 2017	Treasurer, University Emergency Medicine Foundation
2012 – 2017	Chair, Finance Committee, University Emergency Medicine Foundation

2011 – 2012	Nominating & Governance Committee, University Emergency Medicine Foundation
2010 - 2017	Board of Directors, University Emergency Medicine Foundation
2008 – 2009	Compensation Committee, University Emergency Medicine Foundation

# **HOSPITAL COMMITTEES**

2023 – Present	Co-chair, Lifespan Capacity Management Taskforce
2023 – Present	Member, Lifespan Hospital Operations Committee
2023 - Present	Rhode Island Hospital Diversion Taskforce
2020 - Present	Physician Administrative Triage Officer of the Day (PATOD) Committee
2020 - Present	Co-chair, Newport Hospital Workplace Safety Taskforce
2019 – Present	Newport Hospital Executive Utilization Committee
2023	Brown Emergency Medicine Nights Committee
2016 – 2020	Newport Hospital Beyond the Building Campaign. Campaign to raise funding and design a new Emergency Department
2016 - Present	Newport Hospital Patient Experience Committee
2015 - Present	Newport Hospital Critical Care & Code Committee
2015 - Present	Newport Hospital Stroke Committee
2015 - Present	Newport Hospital Medical Executive Committee
2015 - Present	Newport Hospital Emergency Preparedness Committee
2009 – Present	Resuscitative and Therapeutic Hypothermia Workgroup Rhode Island Hospital/The Miriam Hospital
	<ul> <li>Initiated and led implementation of this protocol at all three adult hospitals</li> <li>Lead Physician educator on the importance of this therapy. This includes developing lectures for physicians, midlevel providers, hospital staff, local/regional hospital administrators, medical students, and EMT's – 50 hrs/yr</li> </ul>
2015 – 2019	Newport Hospital Provider and Physician Advisory Council.
2009 – 2012	Coronary CT Angiogram Workgoup, Rhode Island Hospital
2008 – 2015	Chest Pain Center Steering Committee, Rhode Island Hospital

2007 - 2013	Door to Balloon Committee, Department of Emergency Medicine
2006 – 2013	Research Committee, Department of Emergency Medicine
2006 – 2009	Residency Interviewer, Department of Emergency Medicine
2006 – 2007	Trauma Operations Committee, Department of Emergency Medicine
2006	Rhode Island Hospital Trauma Committee, Brown University Medical School Emergency Medicine Residency Program
2006	Academic Committee, Brown University Medical School Emergency Medicine Residency Program
2004 – 2006	Curriculum Committee, Brown University Medical School Emergency Medicine Residency Program
2004 – 2006	Education Committee, Brown University Medical School Emergency Medicine Residency Program

### LEADERSHIP ROLES IN COVID-19 PANDEMIC RESPONSE

2020 – Present	Physician Administrative Triage Officer of the Day (PATOD) – Lifespan physician with
	the responsibility and authority for managing flow of patients into and out of the Lifespan
	hospitals, surge team leader.

- 2020 Present Lifespan COVID-19 Response Incident Command Team
- 2020 Present Newport Hospital COVID-19 Incident Command Team
- 2020 2021 COVID-19 Home Care Companion
  - Initiated development of a telehealth implementation platform providing home monitoring and interactive app based communication to improve monitoring of low risk COVID-19 patients.
- 2020 Present Brown Emergency Medicine COVID-19 Medical Director's Leadership Team
  - Developed, review, and update Personal Protective Equipment (PPE) guidelines for emergency medicine
  - Trained all department staff in proper PPE procedures
  - Developed, review, and update COVID-19 testing algorithms
  - Provided airway training for COVID-19 patients
  - Developed resuscitation protocols for COVID-19 patients
  - Developed and contribute to an Emergency Department Director's Bulletin with the latest in evolving COVID-19 information
  - Led a weekly Emergency Department Operations Educational Residency Conference
  - Led a collaborative residency conference on COVID-19 management with Dr. David Cherkas (attending physician at Elmhurst Hospital, New York) during the height of the COVID-19 spring outbreak.

2020 - 2021	Rhode Island Department of Health Governor's Taskforce on Testing and Validation
2020 – 2021	<ul> <li>COVID-19 Alternative Hospital Site Staffing Team</li> <li>Developed a staffing plan for emergency care providers across all 4 hospitals and an alternative hospital site in the event of overwhelming volume surge</li> </ul>
2020 – 2021	<ul> <li>Seroprevalence of COVID-19 positivity in Homeless Patients</li> <li>Led a team of individuals to test most homeless patients in Providence and surrounding communities.</li> <li>This work led to the establishment of hotels that provided community resources and</li> </ul>

- This work led to the establishment of notes that provided community resources and cohorting of COVID positive and negative individuals.
   This was the first national work to establish risk factors for asymptomatic COVID-19
- positivity in this at risk subgroup. It was published in the Western Journal of Emergency Medicine and recognized in local media (<a href="https://www.providencejournal.com/news/20200523/study-covid-19-is-silent-threat-for-rirsquos-homeless">https://www.providencejournal.com/news/20200523/study-covid-19-is-silent-threat-for-rirsquos-homeless</a>).
- This work led to a collaboration amongst 7 locations and the Center for Disease Control (CDC) throughout the country on an ongoing national study of risk factors of COVID-19 transmission in the homeless community.

### **MEMBERSHIP IN SOCIETIES**

2014 – Present	American College of Healthcare Executives
	<ul> <li>Local and national member, participated in the 2017 National Congress</li> </ul>
2012 – Present	American College of Emergency Physicians, Observation Medicine Section Member
2002 – Present	<ul> <li>American College of Emergency Physicians, Rhode Island Chapter</li> <li>Active local member including provide educational presentations at the annual meeting</li> </ul>
2001 – Present	<ul> <li>American College of Emergency Physicians</li> <li>Served as a Clinical Policies Committee Member – participated in drafting, editing, and publishing clinical policies and guidelines for the specialty of Emergency medicine</li> <li>Currently serve on the Finance Committee</li> </ul>
2001 – Present	Society of Academic Emergency Medicine
2010 - 2015	International Hemodynamics Society
2008 - 2014	Society of Chest Pain Centers
2008 - 2009	US Critical Illness and Injury Trials Group
2004 - 2007	American Academy of Emergency Medicine

### ORIGINAL PUBLICATIONS IN PEER REVIEWED JOURNALS

- 1. Mayer TA, Bershoff-Matcha S, Murphy C, Earls J, Harper S, Pauze D, Nguyen M, Rosenthal J, Cerva D, Druckenbrod G, Hanfling D, Fatteh N, **Napoli AM**, Nayyar A, Berman E. Clinical Presentation of Inhalational Anthrax Following Bioterrorism Exposure: Report of 2 Surviving Patients. JAMA 2001; 286: 2549-2553.
- 2. **Napoli A.** An Unusual Presentation of Renal Infarction. American Journal of Emergency Medicine. September 2004; 22(5): 437-438.
- 3. **Napoli AM**, Clyne B, Girard D. Update on Cardiac Biomarkers. Critical Decisions in Emergency Medicine. May 2005; 19(9): pp 1-9.
- 4. **Napoli AM**, Panagos P. Delayed Presentation of Traumatic Facial Nerve Paralysis. Journal of Emergency Medicine. 2005; 29(4): 421-424.
- 5. **Napoli AM**, Mason-Plunkett J, Valente J, Sucov A. Full Recovery of Two Severe Cases of Hydrogen Sulfide Toxicity treated with Sodium Nitrite. Hospital Physician 2006; 42(6): 47-50.
- 6. Huff JS, Decker WW, Quinn JV, Perron AD, **Napoli AM**, Peeters S, Jagoda AS. Clinical Policy: Critical Issues in the Evaluation and Management of Patients Presenting with Syncope. Annals of Emergency Medicine. 2007; 49: 431-444. Journal of Emergency Nursing 2007; 33(6): e1-17.
- 7. **Napoli AM**, Jagoda A. Clinical Policies: Their history, future, medical legal implications and growing importance to physicians. Journal of Emergency Medicine 2007; Vol 33(4): 425-432.
- 8. Milzman D, **Napoli AM**, Hogan,C. Emergency Department Use of Thoracic Impedance Compared to Chest Radiograph to Diagnose Acute Pulmonary Edema. American Journal of Emergency Medicine 2009; 27(7): 770-775.
- 9. **Napoli AM**, Milzman D, Damergis J, Machan J. Physiologic Affects of Altitude on Recreational Climbers. American Journal of Emergency Medicine 2009; 27(9): 10811084.
- 10. **Napoli AM**, Machan J, Corl K, Forcada A, Gardiner F. Tissue Oxygenation Does Not Predict Central Venous Oxygenation In Emergency Department Patients with Severe Sepsis and Septic Shock. Academic Emergency Medicine 2010; 17(4): 349-352.
- 11. **Napoli AM**, Machan J, Corl K, Forcada A. The Use of Impedance Cardiography in Predicting Mortality in Emergency Department Patients with Severe Sepsis and Septic Shock. Academic Emergency Medicine 2010; 17(4): 452-455.
- 12. **Napoli AM**, Machan J. CT Coronary Angiogram as a Gatekeeper to Conventional Angiography: Statistics Demonstrate the Need for More Study. American Journal of Cardiology 2010; 105(11): 1648.

- 13. **Napoli AM**, Corl K, Gardiner F, Forcada A. Prognostic Value of Noninvasive Measures of Contractility in Emergency Department Patients with Severe Sepsis and Septic Shock Undergoing Early Goal Directed Therapy. Journal of Critical Care 2011; 26(1): 47-53.
- 14. Napoli AM, Pines J, Fischer C, Soe-Lin H, Goyal M, Milzman D. Absolute Lymphocyte Count in the Emergency Department Predicts a Low CD4 count in admitted HIV Positive Patients. Academic Emergency Medicine, 2011; 18(4): 385-389
- 15. Milzman D, **Napoli AM**. Examining the affect of norepinephrine on cardiac preload and reduced preload dependency in septic shock. [Editorial]. Critical Care Medicine, 2011; 39(4): 888-889.
- 16. Ward J, Zuckerman M, Adams C, **Napoli AM**. Methamphetamine Use in admitted trauma patients at a Northeast Level 1 Trauma Center. American Journal of Emergency Medicine, 2011; 29(5): 569-571.
- 17. McGregor A, Madsen T, **Napoli AM**, Weinstock B, Becker B. Evidence that Gender Effects on Time-to-ECG may be attributable to differences in Atypical Presentations. Emergency Medicine: Open Access, 2011, 1:2
- 18. **Napoli AM**, Seigel T. The role of Lactate Clearance in the Resuscitation Bundle. Critical Care, 2011; 15(5): 199.
- 19. Ward JA, Zuckerman M, Adams CA, **Napoli AM.** Amphetamine use in Rhode Island Hospital Trauma Patients. American Journal of Emergency Medicine, 2011; 29(5): 569-571.
- 20. Napoli AM, Choo EK. Gender Differences in Stress Test Utilization among Chest Pain Unit Observation Patients American Journal of Emergency Medicine 2012; 30(6): 890-895.
- 21. **Napoli AM**, Corl K, Machan J, Forcada A. Inter-rater reliability and Parallel form Reliability of Two Methods of Noninvasive Hemodynamic Monitoring in Clinically Stable Emergency Department Patients. European Journal of Emergency Medicine, 2012; 19(5): 297-303.
- 22. Carey J, **Napoli AM**. Tension Pneumoperitoneum During Routine Colonoscopy. American Journal of Emergency Medicine 2012; 30(1): 261.
- 23. **Napoli AM**. Physiologic and Clinical Principles Behind Noninvasive Resuscitation Techniques and Hemodynamic Monitoring in Sepsis. Cardiology Research and Practice: Special Issue on Hemodynamics, 2012; 2012.: doi:10.1155/2012/531908
- 24. **Napoli AM**, Fast L, Gardiner F, Nevola M. Increased Granzyme Levels in Cytotoxic T Lymphocytes Correlates with Disease Severity in Emergency Department Patients with Severe Sepsis. Shock, 2012; 37(3): 257-262.
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- 53. Goldlust EJ, Bataresh O, **Napoli AM**. The Effect of Variations in Decision Rules on Length of Stay and Bed Usage in a Chest Pain Unit. Poster Presentation Society of Academic Emergency Medicine Research Forum, May, 2014, Dallas, TX
- 54. Madsen T, **Napoli AM**. The DISPARITY Study: Factors Associated with Time to Antibiotics in the Surviving Sepsis Campaign (SSC) Database. Poster Presentation Society of Academic Emergency Medicine Research Forum, May, 2014, Dallas, TX.

- 55. Hudepohl N, Napoli AM. Determining the Prevalence and Chronicity of Hyperlipidemia in Patients Admitted to an Emergency Department Based Chest Pain Observation Unit. Poster Presentation – Society of Academic Emergency Medicine Research Forum, May, 2014, Dallas, TX
- 56. Siket M, Tran V, Baird J, Madsen T, Merck L, **Napoli AM**, Paolucci G, Seigel T, Silver B. Clinical Predictors of Stroke, TIA and Mimic among Patients with Transient Neurological Dysfunction Admitted to an Emergency Department Observation Unit. Poster Presentation International Stroke Conference 2015, February 2015, Nashville TN.
- 57. Siket M, Ndon I, Baird J, Madsen T, Merck L, **Napoli AM**, Paolucci G, Seigel T, Tran V, Silver B. The Diagnosis, Etiologic Classification, and Safe Discharge of Ischemic Strokes with Transient Symptoms from an Emergency Department Observation Unit. Poster Presentation International Stroke Conference 2015, February 2015, Nashville TN.
- 58. Madsen T, **Napoli AM**. Analysis of Race and Delays to Antibiotics in Patients with Severe Sepsis and Septic Shock. Oral Presentation Society of Academic Emergency Medicine Research Forum, May, 2015, San Diego, CA.
- 59. **Napoli AM**, Sullivan P. Comparison of the Diamond & Forrester Score and Duke Clinical Score to Safely Reduce Stress Utilization in Chest Pain Unit Patients. Oral Presentation Mediterranean Academy of Emergency Medicine, September, 2015, Rome, Italy.
- 60. **Napoli AM**, Sullivan P. Inter-rater Reliability of the Diamond & Forrester Score in Emergency Department Chest Pain Observation Unit Patients. Oral Presentation Mediterranean Academy of Emergency Medicine, September, 2015, Rome, Italy.
- 61. Mackey J, Shah S, **Napoli AM**. The HEART score and Emergency Department Chest Pain Observation Unit Admissions. Poster Presentation New England Regional SAEM Meeting, March 2016, Worcester, MA. Poster Presentation Society of Academic Emergency Medicine, May 2016, New Orleans, LA.
- 62. Madsen T, **Napoli AM**. The Effect of Patient and Provider Gender on Time to Antibiotics Among Patients with Severe Sepsis or Septic Shock. Lightning Oral Presentation New England Regional SAEM Meeting, March 2016, Worcester, MA. Poster Presentation Annual Research Forum of the SAEM, May 2016, New Orleans, LA.
- 63. Corl K, George N, Romanoff J, Levinson A, Merchant R, Levy M, **Napoli AM**. IVC Collapsability Shows Promise in Detecting Fluid Responsiveness Among Critically Ill Patients. Society of Critical Care Medicine, Annual Research Forum. Honolulu, HI 2017.
- 64. Ferrante D, **Napoli AM**. Driving Change Using Data Democracy and Visualization. Emergency Department Innovations Conference, New Orleans, LA 2016.
- 65. **Napoli AM**, Baird J, Lawrence A, Broadman T. The Effects of Boarding on Traditional and Provider in Triage Models. American College of Emergency Physicians Research Forum, San Diego, CA 2018.

- 66. Wang D, Napoli AM, Baird J. The Association Between Player Age and Initial Helmet Contact Amongst American Football Players. American College of Sports Medicine Annual Meeting, May 28 – June 1, 2019.
- 67. Ali S, **Napoli AM**, Baird J. The Utility of Physician-in-Triage Intake Model to Mitigate the Impact of Boarding on Emergency Department Operational Efficiency. American College of Emergency Physicians Research Forum, Denver, CO 2019.
- 68. Ali S, **Napoli AM**, Baird J. Impact of Boarding on Emergency Department Efficiency and Hospital Financial Performance. ED Innovations, New Orleans, LA 2020. *Postponed due to the COVID-19 pandemic*.
- 69. Milzman D, Neustadtl A, Tanski C, Sommer D, Brady K, **Napoli AM.** From Conception to 1000 Patients: Operationalizing a Field Hospital in 2 Weeks Javits: NY,NY. 50<sup>th</sup> Congress of the Society of Critical Care Medicine. Virtual Congress 2021.
- 70. Soares WE, Melnick ER, Nath B, D'Onofrio G, Paek H, Skains RM, Walter LA, Casey M, **Napoli A**, Hoppe JA, Jeffery MM. Emergency Department Visits for Opioid Overdose during the COVID-19 Pandemic across 6 US Healthcare Systems.
- Plenary Presentation Annual Research Forum of the SAEM, May 2021, Atlanta, GA.
- Lightning Oral New England Regional SEAM, April 2021. Meeting online.
- Oral Academy Health, June 2021.
- 71. Smith J, **Napoli AM**. Painful, weeping rash. SAEM21 Photo Contest. Annual Research Forum by the Society of Academic Emergency Medicine, 2021.
- 72. Rioux LR, Dufault M, Machan J, Tanzer JR, Bergeron K, **Napoli AM.** I Was Here First, Why Did They Go Before Me: Examining Patients Perceptions of Priority In Emergency Department Triage. Journal of Emergency Nursing, 2021.
- 73. Napoli AM, Tyminski C, Baird J, Ali S, Jouriles N. A Quantitative Assessment of Emergency Department Boarding and its Association with Decreases in Operational Efficiency: A Multicenter Nationwide Study. Abstract Presentation. ACEP22 Research Forum in San Francisco, CA. October, 2022.
- 74. Napoli AM, Shain R, Lin T, Baird J. The accuracy of Predictive Analytics in Forecasting Emergency Department Volume Pre and Post-COVID Pandemic. Abstract Presentation. ACEP22 Research Forum in San Francisco, CA. October, 2022.
- 75. Napoli AM, Oz N, Ali S, Baird J, Jouriles N. Emergency Department Boarding is Associated with Lower Profit Margins in Higher Performing Hospitals. Plenary Presentation. ACEP22 Research Forum in San Francisco, CA. October, 2022.
- 76. Nacier C, Wilson T, Jenouri I, George N, Lin T, Tyminski C, Madsen T, **Napoli AM**, Brister J, Samuels E. Differences in Emergency Department Sepsis Care: Do race, sex and language matter? ACEP22 Research Forum in San Francisco, CA. October, 2022.

### SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

- 1. WPRI-TV Channel 12 Interview (Local CBS affiliate in Providence, RI), Air date 1/25/2007, "How to Stay Safe in Extreme Cold."
- 2. The Providence Journal (Regional Newspaper, Providence, RI), A7; March 3, 2009. "For some, shoveling can be dangerous."
- 3. Rhode Island Hospital One of Three in New England To Receive Chest Pain Center Accreditation. Lifespan News, posted June 29, 2009. <a href="http://www.lifespan.org/news/2009/06/29/rhode-island-hospital-one-of-three-innewengland-to-receive-chest-pain-center-accreditation/">http://www.lifespan.org/news/2009/06/29/rhode-island-hospital-one-of-three-innewengland-to-receive-chest-pain-center-accreditation/</a>
- 4. Rhode Island Hospital Gains Chest Pain Center Accreditation. Providence Business News, posted July 3, 2009. <a href="http://www.pbn.com/detail/43397.html">http://www.pbn.com/detail/43397.html</a>
- 5. Chest Pain Units for Emergency Department Management. AHC Media. September 15, 2011.
- 6. Medical Advisor for Middle Age Childrens Novel "Island's End" by Padma Venkatraman, G.P. Putnam Sons, 2011.
- 7. MedicalXpress.com. March 31, 2012. "ED Chest Pain Units and Physician Discretion May Lower Stress Test Use." medicalxpress.com/news/2012-03-ed-chest-painphysiciandiscretion.html
- 8. Rhode Island Hospital Newsroom. March 26, 2012. "ED Chest Pain Units and Physician Discretion May Lower Stress Test Use."
- 9. The Providence Journal (Regional Newspaper, Providence, RI); March 31, 2012. "Wear seat belts." Editorial.
- 10. Fox News. "Does everyone with chest pain need a stress test?" May 9, 2012 http://www.foxnews.com/health/2012/05/09/does-everyone-with-chest-pain-needstresstest/
- 11. MSNBC Health. "Chest Pain Doesn't Always Merit a Stress Test." May 9, 2012. http://health.newsvine.com/ news/2012/05/09/11621223-chest-pain-doesnt-alwaysmeritstress-test
- 12. WPRO News. "MADD uses Chafee Incident to Talk about Underage Drinking." June 27, 2012.
- 13. Brown Medicine. "Change Makers: A new master's program helps shape health care leaders." Spring, 2014.
- 14. Newport Daily News. "Coalition warns about caffeinated additives." November 5, 2015.
- 15. WADK Radio, 1540AM. Newport Hospital Podcast Talk of the Town with Bruce Newsberry. "Success stories in the ED." <a href="http://wadk.com/assets/podcaster/898/2016">http://wadk.com/assets/podcaster/898/2016</a> 04 07 898 43537 3363.mp3
- 16. Newport Daily News. "Summer fun shouldn't pre-empt safety." June 2, 2016.
- 17. Providence Business News. "Newport Hospital's emergency department treats more patients more efficiently and effectively, says official." August 1, 2016. <a href="http://www.pbn.com/Newport-Hospitals-emergency-department-treats-more-patientsmore-efficiently-and-effectively-says,116055">http://www.pbn.com/Newport-Hospitals-emergency-department-treats-more-patientsmore-efficiently-and-effectively-says,116055</a>

- 18. Newport This Week. "Revamped Triage Cuts ER Wait Time." August 18, 2016. <a href="http://www.newportthisweek.com/news/2016-08-18/Front\_Page/Revamped\_Triage\_Cuts\_ER\_Wait\_Time.html">http://www.newportthisweek.com/news/2016-08-18/Front\_Page/Revamped\_Triage\_Cuts\_ER\_Wait\_Time.html</a>
- 19. Newport Daily News. "Hospital's Emergency Department Strives to Meet All Patient's Needs." September 1, 2016.
- 20. Newport Daily News. "Achoo! Illnesses causing an uptick in patients at Newport Hospital." February 15, 2017.
- 21. WADK Radio, 1540AM. Newport Hospital Podcast Talk of the Town with Bruce Newsberry. "Influenza in the ED." February, 2018.
- 22. Lifestyle Magazine Top 10 Groundbreakers. April, 2018. https://www.newportri.com/article/20180410/LIFESTYLE/304109996
- 23. WADK Radio, 1540AM. Newport Hospital Podcast Talk of the Town with Bruce Newsberry. "The new Emergency Department." August, 2018.
- 24. Newport Daily News. "Newport Hospital To Undergo Expansion to ER." June 30, 2018.
- 25. Lifespan Living. "Emergency Care During the Coronavirus Pandemic." May 1, 2020.
- 26. Newport Daily News. "Should you Skip the ER? Newport Hospital Says Not If you are Sick." May 5, 2020.
- 27. Newport This Week. Wondering if you should skip ER Visit? Newport Hospital says, not if you're sick. May 5, 2020. <a href="https://www.newportri.com/news/20200505/wondering-if-you-should-skip-er-visit-newport-hospital-says-not-if-youre-sick">https://www.newportri.com/news/20200505/wondering-if-you-should-skip-er-visit-newport-hospital-says-not-if-youre-sick</a>
- 28. Providence Journal. Wondering if you should skip ER Visit? Newport Hospital says, not if you're sick. May 5, 2020 <a href="https://www.providencejournal.com/news/20200505/wondering-if-you-should-skip-er-visit-newport-hospital-says-not-if-youre-sick">https://www.providencejournal.com/news/20200505/wondering-if-you-should-skip-er-visit-newport-hospital-says-not-if-youre-sick</a>
- The Newport Daily News. COVID vaccinations begin at Newport Hospital. December 15, 2020. https://www.newportri.com/story/news/local/2020/12/15/first-975-covid-vaccine-doses-being-administered-newport-hospital/3908439001/
- 30. WPRI Channel 12. RI doctors seeing high rate of hospital readmission among COVID-19 patients.

  December 16, 2020 <a href="https://www.wpri.com/target-12/doctors-seeing-high-rate-of-ri-hospital-readmission-among-covid-19-patients/">https://www.wpri.com/target-12/doctors-seeing-high-rate-of-ri-hospital-readmission-among-covid-19-patients/</a>
- 31. Providence Journal. Sore arms, energized staff, tears of joy after first COVID vaccine. December 17, 2020 <a href="https://www.providencejournal.com/story/news/local/2020/12/16/sore-arms-energized-staff-tears-joy-after-first-ri-covid-vaccines/3924131001/">https://www.providencejournal.com/story/news/local/2020/12/16/sore-arms-energized-staff-tears-joy-after-first-ri-covid-vaccines/3924131001/</a>
- 32. Newport This Week. Vaccine Offers 'Light at the End of the Tunnel.' December 17, 2020 January 6, 2021. https://www.newportthisweek.com/articles/vaccine-offers-light-at-the-end-of-the-tunnel/

- 33. WADK Radio, 1540AM. Newport Hospital Podcast Talk of the Town with Bruce Newsberry. "Update from the Front Lines: The COVID-19 Pandemic in the Emergency Department." January, 2021.
- 34. WPRI, Channel 12 at 6:30pm news. "RI reports 262 new COVID-19 cases, 2 deaths; organizations can now request to host vaccine clinic." Highlighted on the local news and in a follow-up article.
  - a www.wpri.com/health/coronavirus/april-30-ri-coronavirus-update--2/amp
  - b <a href="https://www.abc6.com/emergency-department-patients-can-get-vaccinated-in-effort-to-bring-vaccine-to-people">https://www.abc6.com/emergency-department-patients-can-get-vaccinated-in-effort-to-bring-vaccine-to-people</a> [abc6.com]
  - c <u>https://pbn.com/lifespan-hospitals-offering-covid-19-vaccine-to-emergency-room-patients/?bypass=608c99774e5ff [pbn.com]</u>
  - d https://www.wpri.com/health/coronavirus/april-30-ri-coronavirus-update-2 [wpri.com]
- 35. ED Management, "EDs Boost COVID-19 Vaccination Efforts." September, 2021; 33(9): 101-116.
- 36. The Newport Daily News, "Newport Hospital Operating at Full Capacity." January, 2022.
- 37. Newport This Week. "Newport Hospital Seeing Hike in COVID Patients." January 6, 2022.
- 38. WADK Radio, 1540AM. Talk of the Town with Bruce Newsberry. "Urgent Care and The Emergency Department." September, 2022.
- 39. WADK Radio, 1540AM. Talk of the Town with Bruce Newsberry. <u>"Flu, Colds, RSV, and the Emergency Department."</u> November, 2022.

### COMMUNITY ENGAGEMENT

1. Update from the Frontlines: A View of the COVID-19 Pandemic from the Emergency Department. Virtual Community Lecture Series. Teleconference via Newport, RI. January 2021. 104 Attendees.

### **INVITED PRESENTATIONS**

### International

- 1. Do we Need an Observation Unit in the ED? Mediterranean Emergency Medicine Congress, Marseille, France. September 8, 2013. Approximately 100 attendees.
- 2. Best Practice in an Observation Unit. Mediterranean Emergency Medicine Congress, Marseille, France. September 10, 2013. Approximately 100 attendees.
- 3. Observation Medicine. Session Moderator. Mediterranean Emergency Medicine Congress, Marseille, France. September 10, 2013. Approximately 100 attendees.

### National

- 1. Optimizing Patient Care Thru Teamwork. Society of Chest Pain Centers, 12<sup>th</sup> Congress of Chest Pain Centers. Memphis, TN, April, 2009. Approx. 100 attendees.
- 2. Problem Resolution. Society of Academic Emergency Medicine Annual Meeting. Panel Discussion. New Orleans, LA, May, 2009. Approx. 200 attendees.
- 3. Cytotoxic T Cells and Cytolytic Effector Molecules in Severe Sepsis and Septic Shock. MidAtlantic Society of Academic Emergency Medicine Research Forum. Plenary Presentation. Washington, DC, 2011. Approx. 150 attendees.
- 4. Clinical and Noninvasive Advances in the Resuscitation of the Critically Ill Sepsis Patient. Grand Rounds. Warren Alpert School of Medicine of Brown University, Department of Emergency Medicine. December 14, 2011. Approx. 100 attendees.
- 5. Therapeutic Hypothermia After Out of Hospital Cardiac Arrest: What's Hot in Cooling? Georgetown University Medical School, Medical Student Research Lecture Series. Washington, DC, April 26, 2012. Approx. 100 attendees.
- Clinical and Noninvasive Advances in the Resuscitation of the Critically Ill Sepsis Patient.
   Grand Rounds. Washington Hospital Center, Department of Emergency Medicine. Washington, DC, April 26, 2012. Approx. 50 attendees.
- 7. Therapeutic Hypothermia After Out of Hospital Cardiac Arrest: What's Hot in Cooling? "Strive to Revive- Overcoming Challenges of In-hospital Resuscitation," American Heart Association Regional Workshop Series, Westborough, MA. May 3, 2012. 117 attendees.
- 8. Low Risk ACS Patient Rapid Rule-out Protocols Observation Status. Society of Acute Cardiovascular Care, 16<sup>th</sup> Congress. Orlando, FL, April 2013. Approx. 100 attendees.
- Strategic Planning and Value Creation in Integrated Healthcare. Brown University Executive Master of Healthcare Leadership Lecture and Webinar Series. Published June 30, 2014. <a href="http://youtu.be/FNrtolMz6SM">http://youtu.be/FNrtolMz6SM</a>
- 10. New Productivity Measures for the Medical Director. Emergency Department Innovations Conference. New Orleans, LA. February, 2017. Approximately 300 attendees.
- 11. Operating Characteristics and External Factors in Emergency Departments. The 4<sup>th</sup> Summit of the Emergency Department Benchmarking Alliance. Las Vegas, NV. February, 2018. Approximately 100 attendees.
- 12. Emergency Department Benchmarking Alliance Findings and Discussion. The 4<sup>th</sup> Summit of the Emergency Department Benchmarking Alliance. Las Vegas, NV. February, 2018. Approximately 100 attendees. Presented the findings and served as summit moderator.
- 13. Panel Discussion: Observation Medicine: Current Trends & Future Opportunities. World Congress of the 17<sup>th</sup> Annual Observation Management Summit. Chicago, IL. May, 2020. Postponed due to the COVID-19 Pandemic.

- 14. Developing Protocols and Guidelines for the Emergency Department Observation Unit. World Congress of the 17<sup>th</sup> Annual Observation Management Summit. Chicago, IL. May, 2020. Postponed due to the COVID-19 Pandemic.
- 15. Research and Quality Assurance in the Emergency Department Observation Unit. World Congress of the 17<sup>th</sup> Annual Observation Management Summit. Chicago, IL. May, 2020. Postponed due to the COVID-19 Pandemic.
- 16. Emergency Department Benchmarking Alliance 4<sup>th</sup> Summit Defining the Latest in ED Innovations. Innovations in Emergency Department Management. New Orleans, LA. November, 2020. Postponed due to the COVID-19 Pandemic.
- 17. Using Data Analytics to Inform Strategy for Hospital Operations. Brown University Master of Healthcare Leadership, School of Professional Studies. Providence, RI. January, 2022.
- 18. Health Economics Panel Discussion. Health Economics Course HCL2120. Brown University Master of Healthcare Leadership, School of Professional Studies. Providence, RI. February, 2022.
- 19. Emergency Department Overcrowding and its Impact on Hospital Operations. Northern California American College of Healthcare Executives. July, 2022.
- 20. <u>Healthcare in Rhode Island: Where do we go now?</u> Part of the Master of Healthcare Leadership Lessons in Leadership Series. Brown University Master of Healthcare Leadership at the School of Professional Studies and Rhode Island American College of Healthcare Executives. October 18, 2022.

# Regional

- 1. Acute Renal Infarction, Clinical Pathologic Conference, Brown University Medical School Emergency Medicine Residency. February, 2003.
- 2. Biliary Tract Disease, Brown University Medical School Emergency Medicine Residency. February, 2004.
- 3. Life Saving Procedures, Brown University Medical School Emergency Medicine Residency. March, 2005.
- 4. Morbidity and Mortality Conference, Brown University Medical School Emergency Medicine Residency. June, 2005.
- 5. Beta Natriuretic Peptide, Grand Rounds, Brown University Medical School Emergency Medicine Residency. August, 2005.
- 6. Emergency Department Morbidity and Mortality Conference, Brown University Medical School Emergency Medicine Residency. September, 2005.
- 7. Emergency Department Morbidity and Mortality Conference, Brown University Medical School Emergency Medicine Residency. January, 2006.
- 8. Clinical Policies and Their Influence on Your Practice, Brown University Medical School Emergency Medicine Residency. April, 2006.

- 9. Emergency Department Morbidity and Mortality Conference, Brown University Medical School Emergency Medicine Residency. May, 2006.
- 10. Acute Decompensated Heart Failure: Management Algorithms and Treatment, Brown University Medical School Emergency Medicine Residency. February, 2008.
- 11. Acute Decompensated Heart Failure: Diagnosis and Risk Stratification, Brown University Medical School Emergency Medicine Residency. February, 2008.
- 12. Update on the ACC/AHA NSTEMI Guidelines for the Emergency Physician, Brown University Medical School Emergency Medicine Residency. August, 2008.
- 13. Killer Chest Pain: Acute Coronary Syndrome and Acute Aortic Dissection. Brown University Medical School Emergency Medicine Residency. October, 2008.
- 14. Cardiology Case Conference. Brown University Medical School Emergency Medicine Residency. November, 2008.
- 15. Engineering Applications in Emergency Medicine. Graduate Bioengineering Seminar, University of Rhode Island. November, 2008.
- 16. Electrocardiography Case Conference QRS Axis and Voltage. Brown University Medical School Emergency Medicine Residency. August, 2009.
- 17. Asking the Right Question and Study Design. Research Curriculum, Brown University Medical School Emergency Medicine Residency. August, 2009.
- 18. Electrocardiography Case Conference Chamber Hypertrophy/Enlargement. Brown University Medical School Emergency Medicine Residency. November, 2009.
- 19. Electrocardiography Case Conference Sinus Rhythm Abnormalities. Brown University Medical School Emergency Medicine Residency. December, 2009.
- 20. Update on the ACC/AHA NSTEMI Guidelines for the Emergency Physician, Brown University Medical School Emergency Medicine Residency. December, 2009.
- 21. Electrocardiography Case Conference Intraventricular Conduction Delays. Brown University Medical School Emergency Medicine Residency. March, 2010.
- 22. Resuscitative Hypothermia After Out of Hospital Cardiac Arrest. Brown University Undergraduate Independent Study INTRO 0001 (CRN 26118). March, 2010.
- 23. Electrocardiography Case Conference What is a STEMI? Brown University Medical School Emergency Medicine Residency. August, 2010.
- 24. Managing Emergency Department Flow, Panel Discussion. Brown University Medical School Emergency Medicine Residency. October, 2010.

- 25. Practical Implementation of Induced Hypothermia for Out of Hospital Cardiac Arrest. Brown University Medical School Emergency Medicine Residency. October, 2010.
- 26. Enhanced Electrocardiography for Diagnosing ST Elevation Myocardial Infarction. Brown University Medical School Emergency Medicine Residency. November, 2010.
- 27. Electrocardiography Case Conference Electrolyte Disorders. . Brown University Medical School Emergency Medicine Residency. December, 2010.
- 28. Electrocardiography Case Conference Clinical Disorders 1. Brown University Medical School Emergency Medicine Residency. January, 2011.
- 29. Electrocardiography Case Conference Clinical Disorders 2. Brown University Medical School Emergency Medicine Residency. March, 2011.
- 30. Induced Hypothermia after Out of Hospital Cardiac Arrest and Prehospital Care. Rhode Island Emergency Medical Services Annual Lecture Series, May, 2011.
- 31. Electrocardiography Case Conference The Normal ECG,, Axis & Voltage. Brown University Medical School Emergency Medicine Residency. August, 2011.
- 32. Electrocardiography Case Conference Electrocardiographic Diagnosis of Atrial & Ventricular Chamber Hypertrophy. Brown University Medical School Emergency Medicine Residency. September, 2011.
- 33. Electrocardiography Case Conference Diagnosing Sinus Rhythm Abnormalities. Brown University Medical School Emergency Medicine Residency. October, 2011.
- 34. Know & Grow: Faculty Promotions. Brown University Medical School Department of Emergency Medicine. Panel Discussion. October, 2011.
- 35. Aortic Dissection: Diagnosis & Management. Brown University Medical School Department of Emergency Medicine. Panel Discussion. November, 2011.
- 36. Electrocardiography Case Conference Diagnosing Atrioventricular Conduction Abnormalities. Brown University Medical School Emergency Medicine Residency. January, 2012.
- 37. Electrocardiography Case Conference Diagnosing Intraventricular Conduction Abnormalities and Clinical Consequences. Brown University Medical School Emergency Medicine Residency. February, 2012.
- 38. Clinical Application of Sensitivity, Specificity, Predictive Values, and Likelihood Ratios. Department of Emergency Medicine Student Summer Journal Club. July, 2012.
- 39. Management of Acute Decompensated Heart Failure in the Emergency Department. Brown University Medical School Emergency Medicine Residency. August, 2012.
- 40. Diagnosis & Risk Stratification in Acute Decompensated Heart Failure. Brown University Medical School Emergency Medicine Residency. August, 2012.
- 41. Electrocardiography Case Conference Recognizing ST Segment Elevation Myocardial Infarctions. Brown University Medical School Emergency Medicine Residency. August, 2012.

- 42. Diagnosis and Management of Shock. Society of Critical Care Medicine Fundamental Critical Care Support Course. Brown University Medical School Emergency Medicine Residency. September, 2012.
- 43. Acute Coronary Syndromes. Society of Critical Care Medicine Fundamental Critical Care Support Course. Brown University Medical School Emergency Medicine Residency. September, 2012.
- 44. The Master Emergency Medicine Clinician-Educator efficiency, productivity, and getting the most out of your team. Know & Grow Faculty Workshop, panelist. October, 2012.
- 45. Enhanced Electrocardiography for ST Segment Elevation Acute Myocardial Infarctions tools to recognize subtle killer ECGs. Brown University Medical School Emergency Medicine Residency. October, 2012.
- 46. Electrocardiographic recognition of Clinical Disorders Part 1. Brown University Medical School Emergency Medicine Residency. December, 2012.
- 47. Electrocardiographic recognition of Clinical Disorders Part 2. Brown University Medical School Emergency Medicine Residency. January, 2013.
- 48. Electrocardiographic recognition of Clinical Disorders Part 3. Brown University Medical School Emergency Medicine Residency. March, 2013.
- 49. Recognizing the Normal Electrocardiogram. Brown University Medical School Emergency Medicine Residency. September, 2013.
- 50. Best Practices in Emergency Department Observation Medicine. Blue Cross Blue Shield Observation Medicine Symposium. September, 2013
- 51. Recognizing Normal and Abnormal Electrocardiographic Axis and Voltage in the Emergency Department Patient. Brown University Medical School Emergency Medicine Residency. October, 2013.
- 52. The Affordable Care Act, Healthcare Reform, and the Future of Emergency Medicine and Healthcare in Rhode Island. Executive Master of Healthcare Leadership, Departments of Public Health and Emergency Medicine, Brown University. November, 2013.
- 53. Chamber Enlargement and Hypertrophy. Brown University Medical School Emergency Medicine Residency. December, 2013.
- 54. AV Blocks Annoyance or Impending Doom?, Brown University Medical School Emergency Medicine Residency. February, 2014.
- 55. SA Blocks Or is it an AV Block? Brown University Medical School Emergency Medicine Residency. April, 2014
- 56. What is a STEMI? STEMI or Imposter? Brown University Medical School Emergency Medicine Residency. August, 2014.
- 57. What is a STEMI? Diagnosing and Managing Inferior STEMIs Brown University Medical School Emergency Medicine Residency. September, 2014.

- 58. Therapeutic Hypothermia, Hypothermia after Cardiac Arrest, Neuroprotective Hypothermia, or Targeted Temperature Management Brown University Medical School Cardiology Fellows Conference. October, 2014.
- 59. Electrolyte Disorders that can Kill. Brown University Medical School Emergency Medicine Residency. January, 2015.
- 60. Killer Clinical ECGs Part 1. Brown University Medical School Emergency Medicine Residency. February, 2015.
- 61. Killer Clinical ECGs Part 2. Brown University Medical School Emergency Medicine Residency. March, 2015.
- 62. Flipping The Classroom: Therapeutic Hypothermia are you too cool to cool? Brown University Medical School Emergency Medicine Residency. March, 2015.
- 63. Killer Syncope in the Young: Hypertrophyic Cardiomyopathy and Brugada Syndrome Brown University Medical School Emergency Medicine Residency. August, 2015.
- 64. The Lifespan Accelerated Diagnostic Protocol for Chest Pain. Brown University Medical School Emergency Medicine Residency. August, 2015.
- 65. What is a STEMI? STEMI or Imposter? Brown University Medical School Emergency Medicine Residency. August, 2016.
- 66. Killer ECGs Clinical Disorders I. Brown University Medical School Emergency Medicine Residency. January, 2017
- 67. Killer ECGs Clinical Disorders II. Brown University Medical School Emergency Medicine Residency. February, 2017.
- 68. Assessing the Risk and Appropriate Triage of Patients with Worsening Heart Failure. American College of Emergency Physicians. January, 2018.

### **GRANTS**

- 1. Effectiveness of Non-Invasive Ventilatory Support (BiLevel Positive Airway Pressure) to Avoid Intubation in the ED: A Comparison of Hypercapnic vs. Hypoxic Respiratory Failure. Source: EMF/SAEM Medical Student Grant. \$5,000 Award, 2001 2002. Principal Researcher.
- 2. Normalization of the D-dimer in Post-Arthroscopy Patients. Source: Brown University Department of Emergency Medicine Seed Grant \$10,000 Award, 2006 2009. Principal Researcher.
- 3. Utilization of Near Infrared Spectroscopy in the Diagnosis of Acute Compartment Syndrome in Lower Extremity Trauma. Source: Foundation for Orthopedic Trauma, \$23,000 Award, 2007 2009. Coinvestigator.

- 4. Utilizing Non-invasive Techniques to Understand Cardiovascular Hemodynamics and Cardiac Dysfunction in Sepsis. Source: Junior Faculty Research Development Award, \$40,000 Award, 2007 2009. Principal Investigator.
- 5. ED Bouncebacks Identifying Risk Factors and Implementing an Automated Provider Notification System. Source: Lifespan Loss Prevention Fund, \$30,000 Award, 2011 2013. Co-investigator.
- 6. Characterization and Consequences of Lytic Cell Activation in Patients with Severe Sepsis. Source: The Rhode Island Foundation, \$15,000 Award, 2011 2012. Principal Investigator. '
- 7. Emergency Department Observation Medicine and its impact on Emergency Department Care. Source: Brown University Department of Emergency Medicine Mid-Career Academic Development Award, \$80,000 Award, 2013- 2015. Principal Investigator.
- 8. A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter, Dose Escalation and Proof-of-Concept Study to Evaluate the Safety and Efficacy of Razuprotafib in Hospitalized Subjects With Moderate to Severe Coronavirus Disease 2019 (COVID-19) (RESCUE Study). Site, co-I 2020 2021.
- 9. A Study to Evaluate the Safety and Efficacy of Razuprotafib, a Novel Tie 2 Activator, in Hospitalized Subjects With Moderate to Severe Coronavirus Disease 2019 (COVID-19) (RESCUE). Site co-Investigator, 2020 2021. https://clinicaltrials.gov/ct2/show/NCT04511650?term=razuprotafib&draw=2&rank=1
- 10. Effects of a Pulmonary Embolism Diagnostic Guideline on Test Utilization and Operations. Brown University Department of Emergency Medicine Faculty Development Award, \$40,000. Senior Investigator

### UNIVERSITY TEACHING ROLES

2019 – Present	Co-director, Emergency Medicine Healthcare Leadership and Administrative Fellowship. Brown Emergency Medicine, Warren Alpert School of Medicine of Brown University.
2015 – Present	Rotation Coordinator, Newport Hospital Emergency Department, Brown University Medical School, Emergency Medicine Residency – 12 residents/year
2015 – Present	Elective Coordinator, Newport Hospital Emergency Department, Brown University Medical School, Emergency Medicine Residency – 5 residents/year
2009 – Present	Electrocardiography in Emergency Medicine, Curriculum Coordinator, Brown University Medical School Emergency Medicine Residency – 20 hrs/yr
2008 – Present	Cardiology Curriculum co-coordinator, Brown University Medical School Emergency Medicine Residency – 30 hrs/yr
2008 – Present	Cardiology Elective Coordinator, Brown University Medical School Emergency Medicine Residency - 5 hrs/yr

2008 – Present	Emergency Medicine Research Elective, Brown University Medical School Emergency Medicine Residency – 20 hrs/yr
2007 – Present	Resident Coordinator, Society of Academic Emergency Medicine Research Forum Retreat, Brown University Medical School Emergency Medicine Residency – 50 hrs/yr
2012 – 2016	Critical Care & Resuscitation Curriculum co-coordinator, Brown University Medical School Emergency Medicine Residency – 20 hrs/yr
2009, 2011, 2012	Summer Research Assistantship in Emergency Medicine, Student Mentor, Brown University Medical School – 50 hrs each respective year
2005 – 2006	Chief Resident, Brown University Medical School Emergency Medicine Residency
2006 – 2008	Trauma Conference, Emergency Medicine Faculty Coordinator, Brown University Medical School Emergency Medicine Residency
2005 – 2006	Emergency Medicine Board Review Course Supervisor, Brown University Medical School Emergency Medicine Residency

## **REGIONAL TEACHING ROLES**

2015 – present	Masters Candidate Advisor, Executive Master of Healthcare Leadership. 1-2 candidates per year.
2012 – 2013	New England Regional Meeting, Society of Academic Emergency Medicine, Moderator
2011	Mid-Atlantic Regional Society of Academic Emergency Medicine Research Forum, Moderator
2010	Brown University Undergraduate Independent Study, Lecturer
2010	New England Research Directors Regional Society of Academic Emergency Medicine Research Forum, Moderator
2008	Graduate Bioengineering Seminar, University of Rhode Island, Lecturer

## **HOSPITAL TEACHING ROLES:**

2022 – Present	Young Investigator Career Award Mentor, Jared Anderson, MD. Effects of a Pulmonary Embolism Diagnostic Guideline on Test Utilization and Operations.
2020 - Present	Emergency Medicine Healthcare Leadership and Administration Fellowship. Co-director
2016 – Present	Masters student Advisor, Brown University Master of Healthcare Leadership (1 per year)
2020 – 2021	Resident administrative elective and research mentor to Jenny Edwards, Department of Emergency Medicine, Brown University
2020 – 2021	Undergraduate research mentor to Christine Etzel, Department of Emergency Medicine and Orthopedics. The Association Between Player Age and Initial Helmet Contact Amongst American Football Players
2019 – 2021	Resident Research Mentor to Ali Shihab, Department of Emergency Medicine, The Association between Institutional Financial Variables and Emergency Department Crowding.
2019 – 2021	Resident Research mentor to Ali Shihab, Department of Emergency Medicine, The Effects of Boarding on Traditional and Provider in Triage Models.
2018 – 2019	Medical Student Research Mentor to Alex Webb, Department of Emergency Medicine, Brown University
2016 – 2021	Master candidate research mentor to Linda Roux RN, Department of Emergency Medicine, Newport Hospital
2018 – 2019	Undergraduate summer elective mentor to Lydia DeAngelo, Department of Emergency Medicine, Newport Hospital. Use of Ipads for adolescent behavioral health patients in the emergency department.
2018 – 2019	Medical Student Research mentor to David Wang, Department of Emergency Medicine, The Association Between Player Age and Initial Helmet Contact Amongst American Football Players.
2015 – Present	Newport Emergency Department Resident Rotation, Department of Emergency Medicine. 12 residents per year.
2017 – 2019	Resident Research Mentor to Timothy Boardman, Department of Emergency Medicine, The Effects of Boarding on Traditional and Provider in Triage Models.
2011 – 2015	Resident Research Mentor to Tracy Madsen, Chief Resident and then fellow in the Department of Emergency Medicine, DISPARITY: Determining if Successful Provision of a Complete Sepsis Resuscitation Bundle Disparity exists Based on Gender.
2011 – 2013	Section Editor, "Did You Know?" The Pulse, Rhode Island Hospital Emergency Department Newsletter

2011 – 2012	Medical Student Research Mentor for Bethany Desroches through SUNY Brooklyn Medical School, Racial Disparities in Stress Test Utilization in an Emergency Department Chest Pain Observation Unit and Cytolytic Effector Molecules in Emergency Department patients with Severe Sepsis and Septic Shock
2011 – 2012	Medical Student Research Mentor for Jessica Dai through Brown Medical School PLME program, Cytolytic Effector Molecules in Emergency Department patients with Severe Sepsis and Septic Shock and Racial Disparities in Stress Test Utilization in an Emergency Department Chest Pain Observation Unit.
2010 - 2014	Faculty Advisor, Chad Van Ginkel, MD
2010 – 2013	Faculty Research Mentor for Todd Siegel, MD Noninvasive Assessment of Fluid Responsiveness Utilizing Ultrasound, Respiratory Variation in Pulse Oximetry Plethysmography, and Impedance Cardiography
2010 – 2014	Faculty Research Mentor for Tobias Kummer, MD Pilot Study of Sonographic Analysis of Muscle Perfusion in Sepsis Patients
2010 – 2014	Resident Research Mentor for Brandon Maughan, MD Utility of a Novel Hemodynamic Monitoring Algorithm in Predicting Fluid Responsiveness. Recipient of Emergency Medicine Resident Research Grant.
2008 - 2012	Lecturer, Morning report, Department of Emergency Medicine – 5 hrs/yr
2010 – 2012	Resident Research Mentor for Chad Van Ginkel, MD Predicting Fluid Responsiveness in the Emergency Department
2010 – 2011	Resident Research Mentor for Jennifer Carey, MD Emergency Presentation of Tension Pneumoperitoneum in Elective post Colonoscopy Patients
2009 – 2011	Faculty Research Mentor for Keith Corl, MD Inferior Vena Cava Caval Index is a Poor Predictor of Fluid Responsiveness in Emergency Department Patients.
2009 – 2011	Faculty for Mock Oral Boards Examination, Department of Emergency Medicine – 5 hrs/yr
2007 – 2011	Resident Research Mentor for Matthew Siket, MD Physician Discretion is Safe and May Lower Overall Utilization in Emergency Department Chest Pain Unit Patients.
2007 – 2011	Faculty Advisor, Keith Corl, MD
2007 – 2011	Faculty Advisor, Matthew Siket, MD
2008 - 2009	Brown University Medical Student Advisor, Soyum Kim
2007 – 2009	Resident Research Mentor for Jeanine Ward, MD Methamphetamine Use in Admitted Trauma Patients

2008 – 2009	Resident Research Mentor for Ahteri Forcada, MD Tissue Oxygenation vs. Central Venous Oxygenation in Sepsis Patients
2008 – 2009	Resident Research Mentor for Keith Corl, MD Impedance Cardiography for Predicting Mortality in Sepsis Patients
2008	Medical Student Research Mentor for Liam Sullivan through Brown Medical School PLME program, Impedance Cardiography for Predicting Mortality in Sepsis Patients
2007 – 2008	Resident Research Mentor for Anand Shah, MD Determining the availability of Clinical Useful Information through Electronic Medical Records

### **VOLUNTEER ACTIVITIES:**

2018 – present	Board of Directors, North Kingstown – Wickford Little League Baseball
2020	Rhode Island Speaker of the House Citation, State of Rhode Island an Providence Plantation, Assistant Coach on State All-star Baseball Team
2012 – 2021	Volunteer baseball coach, North Kingstown - Wickford Little League Baseball
2012 – 2019	Volunteer football coach, North Kingstown Jaguars