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Education and Training

Extracorporeal Life Support (ECLS) Fellowship University of Maryland Medical Center, Baltimore, Maryland	2020 - 2021
Fellowship, Surgical Critical Care, R Adams Cowley Shock Trauma Center, University of Maryland Medical Center, Baltimore, Maryland	2018 - 2020
Residency, Emergency Medicine, Albany Medical Center, Albany, New York Chief Resident	2015 - 2018
Doctor of Osteopathic Medicine, NYIT College of Osteopathic Medicine, Old Westbury, New York	2011 - 2015
Bachelor of Arts, Villanova University, Villanova, Pennsylvania	2004 - 2008

Current Academic Appointment

Assistant Professor, University of Maryland School of Medicine, Department of
Emergency Medicine, Baltimore, MD

Employment and Education Leadership

Chief Resident, Emergency Medicine Class of 2018, Albany Medical Center, Albany, NY	2017 - 2018
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Board Certifications and Licensure

Board Certified, Surgical Critical Care	2021
Board Certified, Emergency Medicine	2019
Maryland State Medical License - Active	
New York State Medical License - Inactive	

Instructor Certifications

Basic Endovascular Skills for Trauma (BEST)	2019 - present
Fundamental Critical Care Support (FCCS)	2019 - present
Stop the Bleed	2019 - present
Advanced Trauma Life Support (ATLS)	2018 - present

Other Certifications

Advanced Cardiac Life Support (ACLS)	2021 - present
Pediatric Advanced Life Support (PALS)	2021 - present
Basic Life Support (BLS)	2021 - present
Cardiac Surgery Advanced Life Support (CALS)	2020 - present
Extracorporeal Life Support Training	2018 - present
Mastering Continuous Renal Replacement Therapy	2018 - present

Professional Memberships and Activities

Society for Critical Care Medicine (SCCM)	2019 - present
American College of Emergency Medicine Physicians (ACEP)	2015 - present
American Medical Association (AMA)	2011 - present
Society for Academic Emergency Medicine (SAEM)	2011 - present
Council of Emergency Medicine Residency Directors (CORD)	2016 - 2018

Proficiencies and Skills

Molecular Adsorbent Recirculating System (MARS)	2019 - present
Resuscitative Endovascular Balloon Occlusion of Aorta (REBOA)	2019 - present
Extracorporeal Life Support (ECLS)	2018 - present
Continuous Renal Replacement Therapy (CRRT)	2018 - present
Emergency Ultrasound	2018 - present

Honors and Awards

Journal of Trauma and Acute Care Surgery – Best Paper Award Factors associated with stroke formation in blunt cerebrovascular injury (BCVI): An EAST multicenter study	February 2022
Aurelio Rodriguez, MD Award -For commitment to education, leadership, and willingness to contribute to the R Adams Cowley Shock Trauma Center	2020
Surgical Critical Care Program Directors Society (SCCPDS) “Excellence in Research” Award – Honorable Mention	2020
Madeline McCormick Scholarship -Osteopathic manipulative medicine scholarship, University of New England College of Osteopathic Medicine	2012

Administrative Services

University of Maryland Medical Center Opioid Safety Council -Trauma and ICU Physician Representative	2022 - present
ICU Physician Representative, Materials Management and Substitutions -Physician liaison for supply and materials backorders, substitutions, etc	2022 - present
Vasoactive Titration Committee -Redesigning electronic medical record vasoactive and inotropic drug order Sets for the University of Maryland Medical System	2021 – present
Critical Care Resuscitation Unit Morbidity and Mortality Review, R Adams Cowley Shock Trauma Center	2020 - present
Molecular Adsorbent Recirculating System (MARS) Committee -Physician Consultant	2019 - present
Trauma Committee, Department of Trauma Surgery, Albany Medical Center -Emergency Medicine Resident Representative, Appointed	2017 - 2018
Transitions of Care Taskforce, CORD -Resident Representative, Elected	2017 - 2018
Discharge Process Committee, Department of Emergency Medicine, Albany Medical Center -Redesigned ED patient discharge process	2015 - 2016

Resident and Fellow Education

Instructor, Annual General Surgery Resident Ultrasound Workshop

2019 – present

Peer Reviewed Publications

1. Seethala RR, **Esposito EC**, Abella BS. Approaches to improving cardiac arrest resuscitation performance. *Current Opinions in Critical Care Medicine*. 2010 Jun; 16(3): 196-202.
2. **Esposito EC**, Hollander JE. Predictors of 30-day cardiovascular events in patients with prior percutaneous coronary intervention (PCI) or coronary artery bypass grafting (CABG). *Academic Emergency Medicine*. 2011 Jun; 18(6): 613-618.
3. Blewer AL, Leary M, **Esposito EC**, Gonzalez M, Riegel B, Bobrow BJ, Abella BS. Continuous chest compression cardiopulmonary resuscitation training promotes rescuer self-confidence and increased secondary training: a hospital-based randomized controlled trial. *Critical Care Medicine*. 2012 Mar; 40(3): 787-92.
4. Gonzalez MR, **Esposito EC**, Leary M, Gaieski DF, Kolansky DM, Chang G, Becker LB, Carr BG, Grossestreuer AV, Abella BS. Initial clinical predictors of significant coronary lesions after resuscitation from cardiac arrest. *Therapeutic Hypothermia Temp Management*. 2012 Jun; 2(2): 73-77.
5. Iannacone SM, Leary M, **Esposito EC**, Ruparel K, Savitt A, Mott A, Richard JA, Gurr RC, Abella BS. Feasibility of cognitive functional assessment in cardiac arrest survivors using an abbreviated laptop-based neurocognitive battery. *Therapeutic Hypothermia Temp Management*. 2014 Sep; 4(3): 73-77.
6. Decker CS, **Esposito EC**, Duncan L, Rosati C, Stain S. Downstream effects of a geriatric trauma activation and trauma admission protocol. *J Am Coll Surg*. 2019 Oct; 229(4).
7. **Esposito, EC**, Jones KM, Galvagno SM, Kaczorowski DJ, Mazzeffi MA, DiChiacchio L, Deatrick KB, Madathil RJ, Herrold JA, Rabinowitz RP, Scalea TM, Menaker J. Incidence of healthcare-associated infections in patients with fever during the first 48 hours after decannulation from veno-venous extracorporeal membrane oxygenation. *Perfusion*. 2020 Aug. PMID: 32820708
8. **Esposito, EC**, Lauerman MH. Factors associated with stroke formation in blunt cerebrovascular injury (BCVI): An EAST multicenter study. *Journal of Trauma and Acute Care Surgery*. 2022 Jan; 92(2).
9. Aspirin alone is superior therapy in Grade III blunt carotid injury: A multicenter study from the Eastern Association for the Surgery of Trauma. Kundi R, **Esposito E**, Scalea T, Stein D, Lauerman M, et al. Abstract submitted to the Society for Vascular Surgery, 2021.
10. Palmer J, Fairchild M, Alam Z, Gelmann D, Engelbrecht-Wiggans E, Anderson B, Gasparotti Z, Gerding J, Hart E, Jones K, Niles E, Matta A, Ali A, Boswell K, **Esposito E**, Menne A, Haase D, Powell E, Rea J, Tran QK. Is Arterial Pressure Monitoring Needed in Patients with Acute Aortic Disease? An Observational Study. *Critical Care Medicine*. 2022; 50 (1):682

Other Publications

1. **Esposito EC**, Abella BS. Strengthening the chain of survival. *EMS Mag*. 2009; 38(suppl): 14-15.
2. Scalea TS, Tesoriero R, Weinberg J, **Esposito EC**. "Abdominal Trauma". National Association for Emergency Medicine Technicians, Prehospital Trauma Life Support. 10th Edition Revision. Chapter 11.

Presentations**National****Podium Presentations:**

Jones KM, **Esposito EC**, et al. We Can't Take Them All: Triage of Pulmonary Embolism Transfer Requests to a Regional PERT Center. 2022

Accepted abstract, oral presentation, 51st annual Critical Care Congress, Society for Critical Care Medicine

Tran Q, Esposito EC, et al. Is Arterial Pressure Monitor Needed in Patients With Acute Aortic Disease: An Observational Study. 2022

Accepted abstract, oral presentation, 51st annual Critical Care Congress, Society for Critical Care Medicine

Niles E, **Esposito EC**, et al. Veno-Venous Extracorporeal Membrane Oxygenation Referral Patterns for COVID-19 Respiratory Failure. 2022

Accepted abstract, oral presentation, 51st annual Critical Care Congress, Society for Critical Care Medicine

Esposito, EC, Lauerman MH. Factors associated with stroke formation in blunt cerebrovascular injury (BCVI): An EAST multicenter study. 2021

Oral presentation at 34th Eastern Association for the Surgery of Trauma (EAST) Annual Scientific Assembly, Jan 2021.

Clinical Pathologic Case Conference (CPC) 2016
CORD Academic Assembly, Nashville, TN

Oral E-Poster Presentations:

Downstream effects of a geriatric trauma activation and trauma admission protocol. 2019
Abstract, Acute Care Surgery Clinical Congress, San Francisco, CA

Poster Presentations:

Esposito EC, Hollander JE. Predictors of 30-day cardiovascular events in patients with prior percutaneous coronary intervention (PCI) or coronary artery bypass grafting (CABG). 2010

Society for Academic Emergency Medicine Annual Meeting, Phoenix, AZ

International Conferences

Jones KM, DiChiacchio L, **Esposito EC**, et al. Fever Within 48 hours of Decannulation from Veno-Venous Extracorporeal Membrane Oxygenation: To Culture or Not to Culture? 2018

European Extracorporeal Life Support Organization, Barcelona, Spain
Presented by Laura DiChiacchio

Young BA, Powell E, Krause E, Bittle G, Dahi S, Lankford A, Haase D, Hamera J, **Esposito E**, Boswell K, Deatrick K, Tabatabai A. Morbidly obese COVID-19 patients have similar survival rates to the non-morbidly obese when supported by veno-venous extracorporeal membrane oxygenation. 2022

Accepted for poster presentation, EuroELSO May 2022, London, UK

Local

Esposito EC. Downstream Effects of a Geriatric Trauma Activation and Trauma Admission Protocol. 2019
Maryland Committee on Trauma Annual Meeting, Baltimore, MD

Departmental

Core Concepts of Extracorporeal Membrane Oxygenation Therapy. Extracorporeal Membrane Oxygenation Course, University of Maryland Medical Center, R Adams Cowley Shock Trauma Center	Aug 2020 – present (quarterly)
Shock Trauma: Electrical Injuries. Critical Care Grand Rounds, R Adams Cowley Shock Trauma Center	May 2020
Surgical Critical Care Journal Club – R Adams Cowley Shock Trauma Center Trends in the Use of Midodrine in the ICU – A Single-center Retrospective Case Series	Apr 2020
Surgical Critical Care Journal Club – R Adams Cowley Shock Trauma Center Bag-mask Ventilation During Tracheal Intubation of Critically Ill Adults. Casey, JD et al. N Engl J 2019. Feb 28; 380(9):811-821	Nov 2019
Complete Heart Block. Surgical Critical Care Case Conference	Sept 2019
Fever within 48 Hours of Decannulation from Veno-Venous Extracorporeal Membrane Oxygenation: To Culture or Not to Culture? Annual Surgical Critical Care Research Forum Department of Surgery Grand Rounds R Adams Cowley Shock Trauma Center, University of Maryland Medical Center	June 2019
Surgical Critical Care Journal Club - R Adams Cowley Shock Trauma Center Effect of Early Sustained Prophylactic Hypothermia on Neurologic Outcomes Among Patients with Severe Traumatic Brain Injury (POLAR RCT)	Mar 2019
Case presentation, Visiting Professor Case Conference, R Adams Cowley Shock Trauma Center	Feb 2019
Good Samaritan Law. Are We Protected? Chief Lecture, Department of Emergency Medicine, Albany Medical Center	Jan 2018
Diabetic Ketoacidosis, Alcoholic Ketoacidosis and Hyperglycemia in the ED. Senior Talk, Department of Emergency Medicine, Albany Medical Center	Jan 2018
Morbidity and Mortality Conference. Department of Emergency Medicine, Albany Medical Center	Dec 2017
Penetrating Chest Trauma: Cardiac and Great Vessel Injury. Trauma Conference, Albany Medical Center	Jan 2017
End-Stage Renal Disease, Hyperkalemia and Acute Kidney Injury in Trauma. EMS Regional Conference, Albany, NY	Jan 2017
Tube Thoracostomy: Physiology and Chest Tube Management. Chief Lecture, Albany Medical Center	Aug 2017