

Mira Ghneim, MD, MS, FACS  
Assistant Professor of Surgery  
University of Maryland School of Medicine

R Adams Cowley Shock Trauma Center  
22 S. Greene Street  
Baltimore, MD 21201  
Foreign language: Arabic

**Education**

1/2021-Present	MPH	Bloomberg School of Public Health
7/2006-6/2010	MD	Rosalind Franklin University of Medicine and Science The Chicago Medical School
7/2004-6/2006	MS Physiology	The University of Maryland Baltimore
1/2001-6/2004	BS	The University of North Carolina at Charlotte Summa Cum Laude

**Post Graduate Education and Training**

7/2015-6/2016	Critical Care Fellow	R Adams Cowley Shock Trauma Center University of Maryland Medical Center
7/2011-6/2015	Surgery Resident	Baylor Scott & White Memorial Hospital Temple, TX
7/2010-6/2011	Surgery Intern	Baylor Scott & White Memorial Hospital Temple, TX

**Certifications**

2016	Surgical Critical Care	American Board of Surgery
2016	General Surgery	American Board of Surgery
2022		Advanced Cardia Life Support (ACLS)
2019	Course Director	Advanced Trauma Life Support (ATLS)
2019	Course Instructor	Advanced Trauma Operative Management (ATOM)
2022		Basic Life Support (BLS)
2019	Instructor	Stop the Bleed

**Medical Licensure**

2017	Maryland	Active
2016	North Carlina	Inactive

**Employment History**

**Academic Appointments**

2018-present	Assistant Professor of Surgery	University of Maryland School of Medicine
2018-2020	Assistant Professors of Surgery	University of Maryland Capital Region Health
2016-2018	Clinical Assistant Professor of Surgery	East Carolina University Brody School of Medicine, Department of Trauma and Acute Care Surgery Greenville, North Carolina

**Professional Memberships**

2023-present	American Association for the Surgery of Trauma
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2022- present Surgical Infection Society  
 2022- present Southeastern Surgical Congress  
 2019-present American College of Surgeons, Maryland Chapter  
 2019- present Fellow, American College of Surgeons  
 2018-present Maryland Committee on Trauma  
 2016-present Eastern Association for the Surgery of Trauma (EAST)  
 2016-present Associate Member, American College of Surgeons

### **Honors and Awards**

2022 UMB Institute for Clinical Research (ICTR) Internal 2022 KL2 Mentored Career Development Award  
 2022 2022 University of Maryland Strategic Partnership MPowering the State Award  
 2019 Eastern Association for the Surgery of Trauma (EAST) Leadership Development Workshop Scholarship Recipient  
 2019 Shock, Trauma and Anesthesiology Research (STAR) Translational Research Pilot Program Awardee  
 2018 NIA Research Centers Collaborative Network Travel Award Recipient  
 2015 Donald R Cooney Award for Excellence in Trauma, Baylor Scott and White/Texas A & M School of Medicine awarded for distinguished clinical performance in Trauma and Acute Care Surgery  
 2013 1<sup>st</sup> Place, American College of Surgeons, Committee on Trauma South Texas Chapter resident paper competition

### **Clinical Activities**

2018-present University of Maryland Medical Center / R Adams Cowley Shock Trauma Center  
 - Emergency General Surgery (approximately 12 weeks annually)  
   o Quaternary referral center for complex gastrointestinal disease in Maryland  
   o Complex re-operative abdominal surgery / surgical rescue  
   o Complex pancreatitis management  
   o Daily rounding on acute and critically ill patients  
   o Lead the Quality Program for the division  
  
 -Trauma Surgery (approximately 12 weeks annually)  
   o Primary adult resource center for traumatic injury in Maryland  
   o Approximately 8,000 total patient encounters annually  
   o Daily rounding on acute and critically ill patient  
  
 2018-2020 Capital Region Health (Prince George's Hospital Center)  
 - Trauma and Emergency General Surgery (approximately 48 weeks annually)  
   o Direct the care of trauma and emergency general surgery teams  
   o Daily rounding on trauma, emergency general surgery, and surgical critical care patients

### **Administrative Service**

#### **Institutional Service**

2023-present	Physician Lead	Surgical Advisor to the UMMC PSI and MHAC Review Committee
2023-present	Co-chair	Geriatric Trauma QI Committee

2022-Present	Associate Fellowship Director of the Surgical Critical Care & Acute Care Surgery	R Adams Cowley Shock Trauma Center
2021-present	Physician Representative	Retained Foreign Body Committee
2021-present	Physician Representative	Emergency Airway and Surgical Airway Management Subcommittee
2021-present	Physician Representative	Airway Safety Council Member
2021-present	Lead Quality Physician	Emergency General Surgery Division
2021-present	Core faculty	R Adams Shock Trauma Center Peer Review Committee
2021-present	Physician Representative	System Pharmacy and Therapeutics Committee
2019-2020	Physician Representative	University of Maryland Capital Region Health Throughput Committee to optimize patient management and discharge
2020-Present	Member	Shock Trauma Research Committee
2020-Present	Course Director	Advanced Trauma Life Support (ATLS)
2019-2020	Physician Representative	Provider communication pathways focused on improving in-patient quality of care
2019-2020	Physician Representative	University of Maryland Capital Region Health, Fall prevention task force
2019-2020		Clinical Quality Value Analysis (CQVA) Perioperative and Surgical Services System Committee
2019-2020	Site Director	Surgical Residency Rotation Capital Region Health for Howard University Surgical Residents
2018-2020	Physician Representative	Capital Regional Health Surgical Site Infection Committee
2017-2018	Acute Care Fellowship Associate Program Director	East Carolina University Brody School of Medicine Department of Trauma & Acute Care Surgery Greenville, NC
2016	Instructor	Advanced Surgical Skills for Exposure in Trauma (ASSET) Fundamental Critical Care Support (FCCS) Basic Endovascular Skills of Trauma (BEST) Mastering Continuous Renal Replacement Therapy

#### Local and National Service

2024		Critical Care Explorations 1 review
2024		Joined the editorial group of BMC Geriatrics
2024	Chair	EAST Multi-Center Trial Committee
2023	State Champion	Maryland Committee on Trauma Stop the Bleed
2023	Member	Southeastern Surgical Congress Research Committee
2022-present		Southeastern Surgical Mock Surgical Oral Boards Instructor
2021-Present	Reviewer	Surgery 2 review
2021-Present	Reviewer	Trauma 4 reviews
2021-Present	Reviewer	American College of Surgeons Case Review in Surgery 2 reviews
2020-Present	Representative	Maryland Chapter, American College of Surgeons Young Fellows

2020-Present	Member	EAST Multicenter Trial Committee
2019-Present	Judge	Maryland Committee on Trauma Resident Trauma Paper Competition
2019-2022	Member	Committee on Trauma, Maryland Chapter
2019-Present	Affiliate Member	Center for Research on Aging, University of Maryland School of Medicine

### **Teaching Service**

2023	Trauma Anesthesia Monthly Conference- Management of Older Adults In Trauma
2023	University of Maryland Medical Center General Surgery Residents- Surgical Airway Workshop
2023	Surgical Critical Care Lecture- Traumatic Injury in Older Adults
2023	Surgical Critical Care Lecture- Diagnosis and Management of Abdominal Compartment Syndrome
2022- Present	Southeastern & Southwestern Surgical Congress Virtual Mock Oral Boards Examiner
2021-Present	Course Director, Medical Student Trauma Simulation Course 6-8 Students per class, bi-weekly 4-hour sessions
2020-present	Serve as research mentor for surgical residents on the following projects <ul style="list-style-type: none"> <li>- Outcomes of Cirrhotic Patients Undergoing Emergency General Surgery Procedures</li> <li>- Infectious complications of DPR in EGS patients</li> <li>- Outcomes in Older Adults Experiencing a Traumatic Brain Injury</li> <li>- Factors Associated with Increased Mortality in EGS and Trauma Patients with Open Abdomen Requiring ECMO support</li> </ul>
2020- present	Serve as a research mentor for a 1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> year medical student on the following projects <ul style="list-style-type: none"> <li>- The Influence of Nutritional Status on Mortality and Discharge Disposition in Older Adults with TBI</li> <li>- The Influence of Advanced Directives on Care Offered in Older Adults With TBI</li> <li>- Outcomes of Cirrhotic Patients Undergoing Emergency General Surgery Procedures</li> <li>- Portomesenteric Venous Thrombosis in Necrotizing Pancreatitis.</li> <li>- Bleeding complications post tracheostomy in the Emergency General Surgery. Three 4<sup>th</sup> year medical students. The project won 1<sup>st</sup> place at the 2020 Medical Student Research Day</li> </ul>
2020	Work up and management of hyperlactatemia lecture for residents
2019	Mock orals, 4 Residents, University of Maryland School of Medicine
2019-2020	4 <sup>th</sup> year medical students' mock interviews to assist in preparing them for residency interviews
2018-present	Management of the Acute Abdomen, Monthly 1-hour session for 5-15 3 <sup>rd</sup> year medical students
2018-2019	Served as a research mentor for a 2 <sup>nd</sup> and 3 <sup>rd</sup> year medical student on The Geriatric Traumatic Brain Injury AAST Multicenter Trial

2018-2020	Planned, participated in, and developed the simulation portion of the Committee for ACGME medical student pre-surgical residency boot
2017-2018	Development of new multidisciplinary clinical rotations, educational curriculum, and research curriculum for fellowship program. Developed an international trauma surgery experience rotation. Oversaw and mentored 2 surgical critical care fellows and 2 acute care surgery fellows. East Carolina University, Brody School of Medicine
2017-2018	Surgical Clerkship Mentor at East Carolina University, Brody School of Medicine. Assigned 1 medical student monthly, 4-5 meetings during the month to teach and help develop patient evaluation and history and physical writing skills
2017-2018	Management of the Acute Abdomen, East Carolina Medical, 3 <sup>rd</sup> year medical student lectures. Bi-monthly 1-hour sessions for 10 medical students
2016-2018	Monthly resident lecture covering topics in general surgery, trauma and surgical critical care, East Carolina University, Greenville, NC

### **Research/Grant Support**

#### **Active**

07/2022-present	(PI) The Prospective Geriatric Patient Reported Outcomes (GERI-PRO) UMB ICTR Internal KL2 Award Award Amount: \$25,000
03/2022-present	(Co-PI) Blended Reality Immersion for Geriatric Head Trauma: The BRIGHT Study 2022 University of Maryland Strategic Partnership MPowering the State Award Award Amount: \$250,000
05/2022-present	(PI) Endoscopic vs Surgical Management of Walled-off Pancreatic Necrosis
01/2022-present	(Co-PI) Cytokine Clearance in Patients infected with COVID-19
08/2022-present	(PI) Portomesenteric Venous Thrombosis in Necrotizing Pancreatitis
04/2019-present	(PI) Outcomes of Patients with Open Abdomens Managed with Extracorporeal Membrane Oxygenation

#### **Completed**

10/2021-10/2022	(Site PI ) Venous thromboembolism Prophylaxis in Blunt Solid Organ Injury American Association for the Surgery of Trauma Multicenter Trial
08/2020-08/2021	(Site PI)

05/2021-03/2022	Prospective Multicenter Trial Assessing Outcomes in Trauma Patients Presenting with Seatbelt sign. (Site PI) Management of Post Traumatic Duodenal Injury
01/2020-01/2023	Eastern Association for the Surgery of Trauma Multicenter Trial (PI) Trajectories of Long-term Functional and Cognitive Outcomes in Geriatric Trauma Patients Pilot project funding through Center for Shock, Trauma and Anesthesiology (STAR) Award amount: \$30,000
06/2019-04/2022	(PI) Brain vs Bone: Does Fracture Fixation Type Influence Outcomes in Patients with Traumatic Brain Injury? Eastern Association for the Surgery of Trauma Multicenter Trial Award amount: \$6,000
06/2019-04/2022	(Co-PI) Anticoagulation in Emergency General Surgery: Who Bleeds more? Eastern Association for the Surgery of Trauma Multicenter Trial
01/2017-01/2019	(PI) Geri-TBI Association for the Surgery of Trauma Multicenter Trial

## **Publications**

### **Peer Reviewed**

1. **Ghneim MH**, Regner JL, Jupiter DC, Kang F, Bonner GL, Bready MS, Frazee R, Ciceri D, Davis ML. Goal directed fluid resuscitation decreases time for lactate clearance and facilitates early fascial closure in damage control surgery. Am J Surg. 2013. Dec;206(6):995-9. PMID: 242961010
2. Schnell K, **Ghneim MH**, Kang F, Jupiter DC, Davis ML, Regner JL. A pilot single-institution predictive model to guide rib fracture management in elderly patients. J. Trauma Acute Care Surg. 2015 May;78(5):970-5; PMID: 25909417
3. Angel M, **Ghneim M**, Song J, Brocker J, Tipton PH, David M. The effects of a rapid response team on decreasing cardiac arrest rates and improving outcomes for cardiac arrests outside critical care areas. Medsurg Nurs. 2016 May-Jun;25(3):153-8. PMID: 27522841
4. Isbell C, Cohn SM, Inaba K, O'Keefe T, De Moya M, Demissie S, **Ghneim M**, Davis ML Cirrhosis, operative trauma, transfusion, and mortality: A multicenter retrospective observational study. Cereus. 2018. Aug 2;10(8):e3087. doi: 10.7759/cureus.3087
5. Lauerma MH, Haase DJ, Teeter W, Kufera J, **Ghneim M**, Betzold R, Scalea T, Murthi S. Surgical intensivist-lead training in critical care ultrasound improves performance. Am Surg. 2020. Dec 19;3134820972984. doi: 10.1177/0003134820972984

6. **Ghneim M**, Diaz J. Dementia and the critically ill older adult. (Review). Crit Care Clin. 2021. Jan;37(1):191-203. doi: 10.1016/j.ccc.2020.08.020
7. Maldarelli MD, Bonin JE, Shah A, Dave S, Mazzeffi MA, Boswell K, Madathil RJ, Tabatabai A, **Ghneim MH**. An oxygen balancing act: A narrative review of red blood cell transfusion in extracorporeal membrane oxygenation. Ann Blood. 2021. doi:10.21037/aob-21-29
8. Marsh A, Betzold R, Rueda M, Morrow M, Lottenberg L, Borrego R, **Ghneim M**, Morrison J, Azar F. Clinical use of resuscitative endovascular balloon occlusion of the Aorta (REBOA) in the management of hemorrhage control: Where are we now? Curr Surg Rep. 2021. doi:org/10.1007/s40137-021-00285-7
9. **Ghneim M**, Albrecht J, Brasel K, Knight A, Liveris A, Watras J, Michetti CP, Haan, J, Lightwine K, Winfield RD, Adams SD, Podbielski J, Armen S, Zacho JC, Nasrallah FS, Schaffer KB, Dunn JA, Smoot B, Schroepfel TJ, Stillan Z, Cooper Z, Stein DM, Geri-TBI Study. Factors associated with receipt of intracranial pressure monitoring in older adults with traumatic brain injury. Trauma Surg Acute Care Open. 2021. Jul 23;6(1):e000733. doi: 10.1136/tsaco-2021-000733
10. Nahmias J, Zakrison TL, Haut ER, Gurney O, Joseph B, Hendersot K, **Ghneim M**, Stey A, Hoffnagle MH, Bailey Z, Rattan R, Richardson JB, Santos AP, Zarzaur B. Call to action on the categorization of sex, gender, race, and ethnicity in surgical research. J Am Coll Surg. 2021. Aug;233(2):316-319. Doi: 10.1016/j.jamcollsurg.2021.04.025
11. Chow JH, Richards JE, Galvagno SM, Coleman PJ, Lankford AS, Hendrix C, Dunitz J, Ibrahim I, **Ghneim M**, Tanaka KA, Scalea TM, Mazzeffi MA, Hu P. The algorithm examining the risk of massive transfusion (ALERT) score acutely predicts massive transfusion at the scene of injury and on arrive to the trauma bay. Shock. 2021, Oct 1;56(4):529-536, doi: 10.1097/SHK.0000000000001772
12. Tabatabai A, **Ghneim MH**, Kaczorowski DJ, Shah A, Dave S, Haase DJ, Vesselinov R, Deatrck KB, Rabin J, Rabinowitz RP, Galvagno S, 'Connor JV, Menaker J, Herr DL, Gammie JS, Scalea TM, Madathil RJ. Mortality risk assessmetni n COVID-19 venovenous extracorporeal membrane oxygenation. Ann Thorac Surg. 2021. Dec;112(6):1983-1989 doi: 10.1016/j.athoracsur.2020.12.050
13. Kashkoush A, Petitt JC, Ladhani H, Ho VP, Kelly ML American Association for the Surgery of Trauma GERI-TBI Study Group. Predictors of mortality, withdrawal of life-sustaining measures and discharge disposition in octogenarians with subdural hemotomas. World Neurosurg. 2022. Jan;157:3179-e187. doi:10.1016/j.wneu.2021.09.121. Epub 2021 Oct 7
14. **Ghneim MH**, Brasel K, Vesselinov R, Albreacht J, Liveris A, Watras J, Michetti C, Haan J, Lightwine K, Winfield R, Adams S, Podbielski J, Armen S, Zacko JC, Nasrallah F, Schaffer K, Dunn J, Smoot B, Schroepfel T, Stillman Z, Cooper Z, Stein D, GERI-TBI Study Group. Traumatic brain injury in older adults: Characteristics, outcomes and considerations. Results from the American Association for the Surgery of Trauma Geriatric Traumatic Brain Injury (GERI-TBI) Multicenter Trial. J Am Med Dir Assoc. 2022 Mar 10;s1525-8610(22)00163-3. doi: 10.1016/j.jamda.2022.01.085

15. **Ghneim MH**, Sadler C, Kufera JA, Herrold J, Clark J, Hendrix CJ, O'Meara L, Diaz JJ. Cost differences between teaching and non-teaching hospitals for older adults in emergency general surgery. *Am Surg*. 2022 Apr 4;31348221083948. doi: 10.1177/00031348221083948
16. Jinadasa S, **Ghneim M**, Aicher B, Kundi R, Karwowski J, Diaz J, Dubose J. Hybrid management of acute portal vein thrombosis complicated by mesenteric ischemia. *J Endovascular Resuscitation and Trauma Management*. 2022. doi: 10.26676/jevtm.v5i3.210
17. Powell E, Lankford A, **Ghneim M**, Rabin J, Haase D, Dahi S, Deatrick K, Krause E, Galvagno S, Scalea T, Tabatabai A. Decreased PRESET score corresponds with improved survival in COVID-19 veno-venous extracorporeal membrane oxygenation. *Perfusion*. 2022 Sep 16;2676591221128237. doi: 10.1177/02676591221128237
18. Delaplain PT, Tay E, Biffl W, Schaffer KB, Sundel M, Behdin S, **Ghneim M**, Constantini TW, Santorelli J, Switzer E, Schellenberg M, Keeley JA, Kim DY, Want A, Patel D, Campion E, Robinson CK, Kartiko S, Quintana M, Estroff JM, Kirby K, Nahmias J. Pacific Coast Surgical Association Multicenter Study. Excluding hollow viscus injury for abdominal seat belt sign using computed tomography. *JAMA Surg*. 2022; 157(9):771-778. doi:10.1001/jamasurg.2022.2770
19. **Ghneim MH**, Kufera JA, Clark J, Harfouche MN, Hendrix CJ, Diaz JJ. Emergency general surgery procedures and costs of care for older adults in the State of Maryland. *Am Surg*. 2021. doi:10.1177/00031348211048838. Online ahead of print
20. Hughes JM, Brown RT, Fanning J, Raj M, Bisson A, **Ghneim M**, Kritchevsky SB. Achieving and sustaining behavior change for older adults: A Research Centers Collaborative Network workshop report. *Gerontologist*. 2022 Dec 6;63(8):1268–78. doi: 10.1093/geront/gnac173. Epub ahead of print. PMID: 36473052; PMCID: PMC10474593.
21. **Ghneim M**, Adams S, Stein D. Frailty Assessment in the Older Adult Surgical Patient- Critical Questions for the Future. *JAMA Surgery*. 2023 Feb 22 doi: 10.1001/jamasurg.2022.8350. Online ahead of print
22. Dhillon NK, Kufera J, **Ghneim M**. Emergency General Surgery Procedures in Older Adults: Where You Live Matters! *Am Surg*. 2023 Jul;89(7):3180-3186. doi: 10.1177/00031348231160838. Epub 2023 Mar 2. PMID: 36861456.
23. Choron RL, Teichman A, Bargoud C, Sciarretta JD, Smith R, Hanos D, Afif IN, Beard JH, Dhillon NK, Zhang A, **Ghneim M**, Devasahayam RJ, Gunter OL Jr, Smith AA, Sun B, Cao CS, Reynolds JK, Hilt LA, Holena DN, Chang G, Jonikas M, Echeverria-Rosario K, Fung NS, Anderson A, Dumas RP, Fitzgerald CA, Levin JH, Trankiem CT, Yoon J, Blank J, Hazelton JP, McLaughlin CJ, Al-Aref R, Kirsch JM, Howard DS, Scantling DR, Dellonte K, Vella M, Hopkins B, Shell C, Udekwu PO, Wong EG, Joseph B, Lieberman H, Ramsey WA, Stewart CH, Alvarez C, Berne JD, Nahmias J, Puente I, Patton JH Jr, Rakitin I, Perea L, Pulido O, Ahmed H, Keating J, Kodadek LM, Wade J, Henry R, Schreiber MA, Benjamin AJ, Khan A, Mann LK, Mentzer CJ, Mousafeiris V, Mulita F, Reid-Gruner S, Sais E, Foote C, Palacio CH, Argandykov D, Kaafarani H, Coyle S, Macor M, Bover Manderski MT, Narayan M, Seamon MJ. Outcomes Among Trauma Patients with Duodenal Leak Following



Primary vs Complex Repair of Duodenal Injuries: An EAST Multicenter Trial. *J Trauma Acute Care Surg.* 2023 Apr 19. doi: 10.1097/TA.0000000000003972. Online ahead of print. PMID: 37072889.

24. St John A, Murray R, Cooper L, Diaz J, Ghneim M. Cecal-Colon Intussusception due to Appendiceal Mucinous Adenocarcinoma. *Am Surg.* 2023 Sep;89(9):3822-3825. doi: 10.1177/00031348231175489. Epub 2023 May 24. PMID: 37222408.
  
25. Kim K, Clark J, **Ghneim M**, Feliciano D, Diaz J, Harfouche M. Not All Fluids collections are created equal: clinical course and outcomes of pancreatic pseudocysts and acute peripancreatic fluid collections requiring intervention. *Am Surg.* 2023 May;89(5): 1774-1780. doi: 10.1177/00031348221078955. PMID:35220758
  
26. Joseph B, Hosseinpour H, El-Qawaqzeh K, Magnotti L, Bhogadi S, **Ghneim M**, Nelson A, Spencer A, Colosimo C, Anand T, Dittilo MD The Unexpected Paradox of Geriatric Traumatic Brain Injury Outcomes: Uncovering Racial and Ethnic Disparities. *Am J Surg.* 2023 May 18:S0002-9610(23)00203-9. doi: 10.1016/j.amjsurg.2023.05.017. Online ahead of print.PMID: 37230872
  
27. O'Meara L, Zhang A, Baum JN, Cooper A, Decker C, Schroepfel T, Cai J, Cullinane DC, Catalano RD, Bugaev N, LeClair MJ, Feather C, McBride K, Sams V, Leung PS, Olafson S, Callahan DS, Posluszny J, Moradian S, Estroff J, Hochman B, Coleman NL, Goldenberg-Sandau A, Nahmias J, Rosenbaum K, Pasley JD, Boll L, Hustad L, Reynolds J, Truitt M, Vesselinov R, **Ghneim M**. Anticoagulation in emergency general surgery: Who bleeds more? The EAST multicenter trials ACES study. *J Trauma Acute Care Surg.* 2023 Oct 1;95(4):510-515. doi: 10.1097/TA.0000000000004042. Epub 2023 Jun 23. PMID: 37349868.
  
28. **Ghneim M**, Kufera J, Zhang A, Penaloza – Villalobos L, Swentek L, Watras J, Smith A, Hahn A, Rodriguez Mederos D, Timothy John Dickhudt MD, Paige Laverick M.S, Kyle Cunningham MD, Scott Norwood MD, Luis Fernandez MD, Lewis E. Jacobson MD, Jamie M. Williams MSML, Lawrence Lottenberg MD, Faris Azar MD, William Shillinglaw DO, Andrea Slivinski DNP, Jeffry Nahmias MD, Megan Donnelly MD, Miklosh Bala MD, Tanya Egodage MD, Clara Zhu MD, Pascal O. Udekwu MBBS, Hannah Norton DO, Julie Dunn MD, Robert Baer MD, Katherine McBride MD, Ariel Santos MD, Kripa Shrestha MBBS, Caleb Metzner DO, Jade Murphy BS, Thomas J. Schroepfel MD, Zachery Stillman MS, Rick O'Connor RN, Dirk Johnson MD, Cherisse Berry MD, Molly Ratner MD, Jessica Reynolds MD, Mackenzie Humphrey MD, Mark Scott MD, Zachary Hickman MD, Kate Twelker MD, Candice Legister BS, Nina Glass MD, Christa Siebenburgen MD, Brandi Palmer MS, Gregory Semon DO, Mark Lieser MD, Hannah McDonald, Nikolay Bugaev MD, Madison LeClair BS, Deborah Stein MD, and the Brain vs. Bone Study Group. Does Lower Extremity Fracture Fixation Technique Influence Neurologic Outcomes in Patients with Traumatic Brain Injury? The EAST Brain vs. Bone Multicenter Trial *J Trauma Acute Care Surg.* 2023 Jun 19. Doi10.1097/TA0000000000004095.Online ahead of print. PMID: 3733518
  
29. Stey A, **Ghneim M**, Gurney O, Santos P, Rattan R, Abahuje E, Baskaran A, Nehmias J, Richardson J, Zakrisson T, Baily Z, Haut E, Chaudry M, Joseph B, Zarzaur B, Hendeshot K. Creation of Standardized Tools to Evaluate Reporting on Health Research: Population Reporting of Gender, Race, Ethnicity, & Sex (PROGRES). *PLOS Global Public Health.* Accepted July 2023

30. Santos J, Delaplain P, Tay-Lasso E, Biffl W, Schaffer K, Sundel M, **Ghneim M**, Costantini T, Santorelli J, Switzer E, Schellenberg M, Keeley J, Kim D, Wang A, Dhillon NK, Patel D, Campion E, Robinson C, Kartiko S, Quintana M, Estroff J, Kirby K, Grigorian A, Nahmias J. Hollow Viscus Injury Prediction Scoring System for Abdominal Seatbelt Sign: A PCSA Multicenter Study. *Journal of the American College of Surgeons*. Accepted August 2023
31. **Ghneim, M**; Deborah Stein Management of Traumatic Brain Injury in Older Adults: What You Need to Know. *Journal of Trauma and Acute Care Surgery*. Accepted August 2023  
Doi:10.1097/TA0000000000004118
32. Harfouche M, **Ghneim M**, Nezami N, Vesselinov R, Diaz J. Transfer for Severe Acute Pancreatitis to Academic Centers Leads to Greater Incurred Cost But Not Better Outcomes. *Pancreatology*. 2023 Aug 30:S1424-3903(23)01614-9. doi: 10.1016/j.pan.2023.08.010. Online ahead of print
33. Morgan Schellenberg, Natthida Owattanapanich, Brent Emigh, Jan-Michael Van Gent, Tanya Egodage, Patrick B Murphy, Chad G Ball, Audrey L Spencer, Kelly N Vogt, Jessica A Keeley, Stephanie Doris, Marissa Beiling, Megan Donnelly, **Mira Ghneim**, Thomas Schroepfel, James Bradford, Connor S Breinholt, Raul Coimbra, Allison E Berndtson, Catherine Anding, Michael S Charles, William Rieger, Kenji Inaba; AAST VTE Prophylaxis Study Group When Is It Safe to Start VTE Prophylaxis after Blunt Solid Organ Injury? A Prospective AAST Multi-Institutional Trial. *J Trauma Acute Care Surg*. 2023 Oct 24.doi: 10.1097/TA.0000000000004163. Online ahead of print.
34. Anadalwar S, O'Meara L, Vesselinov R, Zhang A, , Baun J, Cooper A, Decker C, Schroepfel T, Cai J, Cullianane D, Catalano R, Bugaev N, LeClair M, Feather C, McBride K, Sams V, Leung P, Olafson S, Callahan D, Posluszny J, Moradian S, Estroff J, Hochman B, Coleman N, Goldenberg-Sandaue A, Nahmias J, Pasely J, Boll L, Hustad L, Reynolds J, Truitt M, **Ghneim M**. Warfarin, Not Direct Oral Anticoagulant or Antiplatelet Therapy, is Associated with Increased Bleeding Risk in EGS Patients: Implications in this New ERA of Novel Anticoagulants. Accepted by the *J Trauma Acute Care Surg* on 01.30.2024

#### Book Chapters

**Ghneim M**, Tisherman S. (2023) Perioperative management: Practical principles, risk determination, and future decisions. *Fischer's Mastery Of Surgery* 8<sup>th</sup> Edition. ISBN: 9781975176433

**Ghneim, M**, Scalea, T.M. (2023). Critical Care Management of Older Adults. In: Petrone, P., Brathwaite, C.E. (eds) *Acute Care Surgery in Geriatric Patients*. Springer, Cham. [https://doi.org/10.1007/978-3-031-30651-8\\_49](https://doi.org/10.1007/978-3-031-30651-8_49)

**Ghneim MH**, Diaz J. Emergency General Surgery: A Paradigm Shift to Meet the Demand of an Evolving Discipline. *The Acute Management of Surgical Disease* 1<sup>st</sup> edition. ISBN: 978-3-031-07880-4. DOI: <https://doi.org/10.1007/978-3-031-07881-1> . eBook ISBN978-3-031-07881-1

**Ghneim MH**, Scalea T. Abdominal compartment syndrome: Open abdomen strategies in acute care surgery. *American College of Surgeons Gastrointestinal Surgical Emergencies*. ([https://drmajidakrami.com/wp-content/uploads/2021/11/2021\\_Gastrointestinal\\_Surgical\\_Emergencies.pdf](https://drmajidakrami.com/wp-content/uploads/2021/11/2021_Gastrointestinal_Surgical_Emergencies.pdf) )

**Ghneim MH**, Scalea T. Can abdominal decompression improve refractory intracranial hypertension. Difficult Decisions in Trauma Surgery: An Evidence Based Approach (book series). ISBN: 978-3-030-81666-7. DOI: [https://doi.org/10.1007/978-3-030-81667-4\\_17](https://doi.org/10.1007/978-3-030-81667-4_17). eBook ISBN: 978-3-030-81667-4

**Ghneim MH**, Stein DM. Score surgery geriatric trauma module (<https://www.surgicalcore.org/>)

**Ghneim MH**, Stein DM. Geriatric neurotrauma. Geriatric Trauma and Acute Care Surgery 1<sup>st</sup> edition. eBook ISBN: 9783 319-57403-5

## **Presentations**

### **National**

**Ghneim MH**, Management of thoracic trauma involving rib fractures and surgical techniques for thoracic stabilization, Thoracic Trauma Technology Symposium

**Ghneim MH**, Schnell K, Kang F, Upiter DC, Davis ML, Regner JL, Time is of the essence: Early epidural placement significantly reduces the risk of respiratory failure in the elderly patients with rib fractures. Region VI ACS Committee on Trauma Resident Paper Competition, 2013

**Ghneim MH**, Regner JL, Jupiter DC, Kang F, Bonner GL, Bready MS, Frazee R, Ciceri D, Davis ML. Goal directed fluid resuscitation decreases time for lactate clearance and facilitates early fascial closure in damage control surgery. Southwestern Surgical Congress, 2013

**Ghneim MH**, Berry CD, Tesoriero RB, Torain J, O'Toole RV, Manson TT, Brenner ML, Kufera J, Stein DM, Scalea TM,. Region III ACS Committee on Trauma Fellow Paper Competition, 2015

**Ghneim MH**, Stein DM, Albrecht J, Khor D, Watras JB, Haan JM, Winfield RD, Adams SD, Armen SB, Nasrallah FS, Dunn J, Schroepfel TJ, Cooper A, Brasel K, AAST MITC Geri-TBI Study Group. Geriatric trauma brain injury: What we know now. American Association for the Surgery of Trauma 78<sup>th</sup> Annual Meeting, 2019

Albrecht J, **Ghneim MH**, Stein DM, Khor D, Watras JB, Haan JM, Winfield RD, Adams SD, Armen SB, Nasrallah FS, Dunn J, Schroepfel TJ, Cooper Z, Brasel K, AAST MITC Geri-TBI Study Group. The impact of intracranial pressure monitoring on outcomes in geriatric patients with TBI. American Association for the Surgery of Trauma 78<sup>th</sup> Annual Meeting, 2019

**Ghneim M**, Albrecht JS, Brasel K, Watras JB, Michetti CP, Haan JM, Lightwine K, Winfield RD, Adams SD, Podbielski JM, Armen SB, Zacko C, Nasrallah FS, Schaffer KB, Dunn J, Widdel L, Schroepfel TJ, Stillman Z, Cooper Z, Stein D., Geri-TBI Study Group. The impact of antiplatelet and anticoagulant therapy on outcomes in older adults with traumatic brain injury: Results from the American Association for the Surgery of Trauma Geri-TBI Study. Eastern Association for the Surgery of Trauma 34<sup>th</sup> Annual Meeting, 2020

**Ghneim M**, Albrecht JS, Brasel K, Watras JB, Michetti CP, Haan JM, Lightwine K, Winfield RD, Adams SD, Podbielski JM, Armen SB, Zacko C, Nasrallah FS, Schaffer KB, Dunn J, Widdel L, Schroepfel TJ, Stillman Z, Cooper Z, Stein D., Geri-TBI Study Group. Neurosurgical intervention in geriatric patients with traumatic

brain injury: Results from the American Association for the Surgery of Trauma Geri-TBI Study. Western Trauma Association 50<sup>th</sup> Annual Meeting, 2020

**Ghneim M**, Albrecht JS, Brasel K, Watras JB, Michetti CP, Haan JM, Lightwine K, Winfield RD, Adams SD, Podbielski JM, Armen SB, Zacko JC, Nasrallah FS, Schaffer KB, Dunn J, Widdel L, Schroepel TJ, Stillman Z, Cooper Z, Stein D, Geri-TBI Study Group. Factors influencing change in residence in geriatric patients with mild traumatic brain injury American Association for the Surgery of Trauma 79<sup>th</sup> Annual Meeting, 2020

**Ghneim MH**, Kufera JA, Clark J, Harfouche MN, Hendrix CJ, Diaz JJ. Emergency general surgery procedures and costs of care for older adult in the State of Maryland. Southeastern Surgical Congress Conference, 2021

**Ghneim M**, O'Meara L, Zhang A, Chipman A, Dave S, Roumen V, Tabatabai A, Madathil R, Scalea T, Diaz JJ. Extracorporeal membrane Oxygenation and the open abdomen. Southwestern Surgical Conference, 2021

**Ghneim M**, Sadler C, Kufera JA, Herrold J, Clark J, Hendrix CJ, O'Meara L, Diaz JJ. Cost differences between teaching and nonteaching hospitals for older adults in emergency general surgery. Southeastern Surgical Congress Conference, Podium presentation, 2022

**Ghneim M**, Joe Kufera MA, Ashling Zhang MD, Liz Penaloza – Villalobos ,MD, Lourdes Swentek MD, Jill Watras MD, Alison Smith MD, Alexandra Hahn MD, Dalier Rodriguez Mederos MD, Timothy John Dickhudt MD, Paige Laverick M.S, Kyle Cunningham MD, Scott Norwood MD, Luis Fernandez MD, Lewis E. Jacobson MD, Jamie M. Williams MSML, Lawrence Lottenberg MD, Faris Azar MD, William Shillinglaw DO, Andrea Slivinski DNP, Jeffry Nahmias MD, Megan Donnelly MD, Miklosh Bala MD, Tanya Egodage MD, Clara Zhu MD, Pascal O. Udekwu MBBS, Hannah Norton DO, Julie Dunn MD, Robert Baer MD, Katherine McBride MD, Ariel Santos MD, Kripa Shrestha MBBS, Caleb Metzner DO, Jade Murphy BS, Thomas J. Schroepel MD, Zachery Stillman MS, Rick O'Connor RN, Adrian Maung MD, Cherisse Berry MD, Molly Ratner MD, Jessica Reynolds MD, Mackenzie Humphrey MD, Mark Scott MD, Zachary Hickman MD, Kate Twelker MD, Candice Legister BS, Nina Glass MD, Christa Siebenburgen MD, Brandi Palmer MS, Gregory Semon DO, Mark Lieser MD, Hannah McDonald, Nikolay Bugaev MD, Madison LeClair BS, Deborah Stein MD, and the Brain vs. Bone Study Group. Does Lower Extremity Fracture Fixation Technique Influence Neurologic Outcomes in Patients with Traumatic Brain Injury? The EAST Brain vs. Bone Multicenter Trial. Podium presentation at the 36<sup>th</sup> EAST Annual Scientific Assembly in Lake Buena Vista, Florida on January 17-21,2023.

O'Meara L, Zhang A, Vesselinov R, Baun J, Cooper A, Decker C, Schroepel T, Cai J, Cullianane D, Catalano R, Bugaev N, LeClair M, Feather C, McBride K, Sams V, Leung P, Olafson S, Callahan D, Posluszny J, Moradian S, Estroff J, Hochman B, Coleman N, Goldenberg-Sandaue A, Nahmias J, Pasely J, Boll L, Hustad L, Reynolds J, Truitt M, **Ghneim M** Anticoagulation in Emergency General Surgery: Who Bleeds More? The EAST Multicenter Trials ACES study. Podium presentation at the 36<sup>th</sup> EAST Annual Scientific Assembly in Lake Buena Vista, Florida on January 17-21,2023

#### **Invited Speeches:**

##### **Local**

**Ghneim MH**, Management of severe traumatic brain injury in ICU, Physical Rehabilitation Grand Rounds, East Carolina University, 2016

**Ghneim MH**, Management of severe pancreatitis, East Carolina University Brody School of Medicine, Grand Rounds, 2017

**Ghneim MH**, Management of blunt cerebrovascular injury, Multidisciplinary Trauma Conference, East Carolina University, 2017

**Ghneim MH**, To REBOA or not to REBOA that is the question. Eastern Area Health Education 14<sup>th</sup> Annual Trauma Symposium, 2018

**Ghneim MH**, Management of cervical spinal injury patients, R Adams Cowley Shock Trauma Center, Critical Care Fellowship lecture, 2020, 2021, 2022

**Ghneim MH**, Taking charge of your wellbeing: Steps to decrease burnout and increase happiness, success, and longevity. University of Maryland School of Medicine, Department of Surgery Grand Rounds 2021

**Ghneim MH**, The American College of Surgeons Point Counter Point Conference- Management of Older Adults in Trauma-What You Need to Know 2023

#### National

**Ghneim MH**, “Geriatric Trauma: The Intricacies of Patient Management” McLaren Healthcare Grand Rounds 2022

**Ghneim MH**, “No Tubes Attached: Why Laparoscopic Cholecystectomy Reigns Supreme in the Management of Acute Cholecystitis” American College of Surgeons Clinical Congress 2023

**Ghneim MH**, “TBI in Older Adults: Who Goes Home?” American College of Surgeons/Committee on Trauma TQIP Program Meeting. 2023

**Ghneim MH**, “No Tubes Attached: Why Laparoscopic Cholecystectomy Reigns Supreme in the Management of Acute Cholecystitis” American Association for the Surgery Of Trauma Virtual Grand Rounds 2023