

Curriculum Vitae
Mira H. Ghneim, M.D., M.S
Associate Professor, Department of Surgery
University of Maryland School of Medicine

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Contact Information

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Foreign Languages: Arabic (native)

Education

2001-2004 BS, Biology, The University of North Carolina at Charlotte (*Summa cum laude*)
2004-2006 MS, Physiology, The University of Maryland, Baltimore
2006-2010 MD, Chicago Medical School, Rosalind Franklin University of Medicine and Science
2021-Present MPH, Johns Hopkins Bloomberg School of Public Health

Post Graduate Education and Training

2010-2011 Internship, General Surgery, Texas A&M Health Science Center College of Medicine
2011-2015 Residency, General Surgery, Texas A&M Health Science Center College of Medicine
2015-2016 Fellowship, Surgical Critical Care, R Adams Cowley Shock Trauma Center/University of Maryland Medical Center

Certifications

2013 Instructor, Advanced Trauma Life Support (ATLS)
2015 Course Instructor, Advanced Trauma Operative Management (ATOM)
2015 Fundamentals of Laparoscopic Surgery
2016 Instructor, Advanced Surgical Skills for Exposure in Trauma (ASSET)
2016 General Surgery, American Board of Surgery
2016 Surgical Critical Care, American Board of Surgery
2016 Instructor, Fundamental Critical Care Support (FCCS)
2016 Instructor, Basic Endovascular Skills of Trauma (BEST)
2016 Instructor, Mastering Continuous Renal Replacement Therapy
2019 Instructor, Stop the Bleed
2021 Course Director, ATLS and ATOM
2022 Basic Life Support (BLS)
2022 Advanced Cardiac Life Support (ACLS)

Medical Licensures

2016 North Carolina (Inactive)
2017 Maryland (Active)

Employment History

Academic Appointments

2016-2018	Clinical Assistant Professor of Surgery, East Carolina University Brody School of Medicine, Department of Trauma and Acute Care Surgery Greenville, NC
2018-present	Assistant Professor, Department of Surgery, UMSOM
2018-present	Member, Program in Trauma, UMSOM

Honors and Awards

2013	1 st Place, American College of Surgeons, Committee on Trauma South Texas Chapter resident paper competition
2015	Donald R Cooney Award for Excellence in Trauma, Baylor Scott and White/Texas A&M School of Medicine
2018	NIA Research Centers Collaborative Network Travel Award Recipient
2019	Shock, Trauma and Anesthesiology Research (STAR) Translational Research Pilot Program Awardee
2019	EAST Leadership Development Workshop Scholarship Recipient
2019	EAST Multicenter Trial Junior Investigator Award
2022	University of Maryland Strategic Partnership MPowering the State Award
2022	UMB Institute for Clinical Research (ICTR) Internal KL2 Mentored Career Development Award
2023	AAST Leadership Academy awardee

Clinical Activities

Clinical Expertise

Board certified in general surgery

Additional board certification in surgical critical care

Clinical focus in areas of trauma, emergency general surgery, soft tissue infections, and surgical critical care

Scope of Clinical Practice

2018-2020	Attending Acute Care Surgeon (Trauma and Emergency General Surgery) Capital Region Health (Prince George's Hospital Center) avg. 32 weeks on-service/year with a daily census of 20-40 patients Call 2-3 24-hour shifts per month with 10-15 admission per call Directed the care of trauma and emergency general surgery teams that included daily rounding on trauma, EGS and surgical critical care patients, out-patient clinic and operative interventions.
2018-present	R Adams Cowley Shock Trauma Center, University of Maryland School of Medicine Attending Surgeon, Trauma Surgery Service avg. 6 weeks on-service/year with a daily census of ~20-40 patients Call ~every third day with ~15-25 admissions per call Attending Surgeon, Acute Care Emergency General Surgery Service avg. 17 weeks on-service/year with a daily census of ~25-45 patients (for 2 attendings) Call ~3/week with 3-5 consults/admissions average/night Attending Surgical Intensivists, Surgical Critical Care (Neurotrauma ICU) avg. 4 weeks on-service/year with daily census of ~10-12 patients

2024-present Attending General Surgeon, Soft Tissue Surgery Service
 avg 5 weeks on-service/year, One 24-hours call per week
 Daily census approximately 10-18 patients

Professional Society Memberships

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

Administrative Service

Institutional Service

2017-2018 Associate Program Director, Surgical Critical Care and Acute Care Fellowship, East Carolina University Brody SOM, Dept of Trauma & Acute Care Surgery
 2018-2020 Member, Capital Regional Health Surgical Site Infection Committee
 2019-2020 Member, CQVA Perioperative and Surgical Services System Committee
 2019-2020 Member, University of Maryland Capital Region Health, Fall Prevention Task Force
 2019-2020 Member, University of Maryland Capital Region Health Throughput Committee
 2019-2020 Site Director, Surgical Residency Rotation, Capital Region Health for Howard University Surgical Residents
 2020-present Member, Shock Trauma Research Committee
 2021-2024 Lead Quality Physician, Emergency General Surgery Division
 2021-present Member, Retained Foreign Body Committee
 2021-present Member, Emergency Airway and Surgical Airway Management Subcommittee
 2021-present Member, Airway Safety Council Member
 2021-present Core faculty, R Adams Shock Trauma Center Peer Review Committee
 2022-present Associate Program Director, Surgical Critical Care (SCC) Fellowship, R Adams Cowley Shock Trauma Center, UMMC
 2022-present Associate Program Director, Acute Care Surgery (ACS) Fellowship, R Adams Cowley, Shock Trauma Center, UMSOM
 2022-present Member, System Pharmacy and Therapeutics Committee
 2022-present Established a palliative care rotation for the R Adams Cowley Shock Trauma Center SCC Fellowship, enhancing end-of life care education & interdisciplinary collaboration
 2022-present Redesigned educational curriculum for the R Adams Cowley Shock Trauma Center SCC Fellowship to include topics in wellness, palliative care, and advanced surgical critical care concepts
 2022-present Curriculum development - created a structured list of topics for the ACS fellows at the Shock Trauma Center, enlisting internal and external faculty with expertise in the topics to deliver lectures, 1-month to develop and implement
 2023-present Curriculum development and digital transition of all educational resources for the Shock Trauma Center SCC and ACS fellows to on-line platform Blackboard, integrating pre-recorded faculty lectures on trauma and core surgical critical topics as well as developing wellness and research resources modules for enhanced accessibility and comprehensive learning, ~7 months to develop and implement

2023-2024	Developed 5 educational modules for the AAST Fellowship Educational Curriculum in the following topics: Diverticulitis, Pancreatitis, Management of Mesenteric Ischemia, Management of the Cirrhotic Patient, Management of C. Diff Colitis, Inflammatory Bowel Disease, and Perianal Disease, 20 hours total
2023-2024	Physician Lead, Surgical Advisor to the UMMC PSI and MHAC Review Committee
2023-present	Co-chair, Geriatric Trauma QI Committee
2024-present	Restructured Journal Club format for the Shock Trauma SCC fellowship, predefined topics, assigned fellows a combination of landmark and cutting-edge topics in acute care surgery, and introduced a mentorship component where fellows collaborate with a faculty mentor on their presentations and discussions prior to presenting
2024	Maryland Committee on Trauma Stop the Bleed Campaign State Champion. Organized a statewide event during the 2024 National Stop the Bleed Day, provided coordination for Maryland trauma centers participating in the training of 224 Marylanders locally and with the help of 42 volunteer providers in a collaborative effort between the 7 trauma centers in the State of Maryland (1-day event).
2025	Maryland Committee on Trauma Stop the Bleed Campaign State Champion. Organized a statewide event during the 2024 National Stop the Bleed Day, provided coordination for Maryland trauma centers participating in the training of 442 Marylanders locally and with the help of 42 volunteer providers in a collaborative effort between the 7 trauma centers in the State of Maryland (1-day event). As Maryland Committee on Trauma Stop the Bleed Campaign State Champion expanded participation as first national Stop the Bleed Day.

Local and National Service

2019-present	Member, Committee on Trauma, Maryland Chapter
2019-present	Affiliate Member, Center for Research on Aging, UMSOM
2019-present	Judge, Maryland Committee on Trauma Resident Trauma Paper Competition
2020-2023	Maryland ACS Chapter Young Fellow Association Representative
2020-present	Member, EAST Multicenter Trial Committee
2020-present	Representative, Maryland Chapter, American College of Surgeons
2021-present	Reviewer, <i>American College of Surgeons Case Review in Surgery</i> (2 reviews)
2021-present	Reviewer, <i>Trauma</i> (4 reviews)
2021-present	Reviewer, <i>Surgery</i> (3 reviews)
2022-present	Examiner, Southeastern Surgical Mock Surgical Oral Boards
2023-present	State Champion, Maryland Committee on Trauma Stop the Bleed
2023-present	Member, Southeastern Surgical Congress Research Committee
2023-present	Member, American Board of Surgery Surgical Critical Care EPA Writing Group
2024-present	Chair, EAST Multi-Center Trial Committee
2024-present	Editor, BMC Geriatrics editorial group
2024-present	Reviewer, <i>Critical Care Explorations</i> (1 review)
2024-present	Member, R Adam Cowley Shock Trauma Center Point Counterpoint Conference Committee

Teaching Service

Graduate Teaching

2023-present	Small Group Leader, CIPP 907: Research Ethics Class, UMB Session #1 (2023): Grants and Peer Review Session #2 (2024): Research with Human Subjects
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~10-12 students, 1.5 hours virtually

Post-Graduate Teaching

2019-present	Research Mentor, 1 advanced practice provider, 30-40 hours/year
2023	Lecturer, Trauma Anesthesia monthly conference, 1 hour/year
2025	Lecturer, 35 graduate/post graduate students, Johns Hopkins Bloomberg School of Public Health, Brandon Behavior and Mental Health Disorders course, 1 hour/yr

Medical Student Teaching/Mentoring

2018-2021	Course developer/SIMs Instructor, ACGME Medical Student Pre-Surgical Residency Boot Camp, 8- 15 students, 5 days
2018-2020	Research mentor, 2 students, 7 hours/year
2019-2020	Research mentor, 3 students, 8 hours/year
2019-2021	Research mentor, 1 student, 12 hours/year
2019-2023	Lecturer, “Management of the Acute Abdomen”, UMSOM 5-15 medical students, 4 hours/year
2019-2020	Residency Interview Preparer, UMSOM 6 students, 30 minutes each encounter
2021-2022	Research mentor, 1 student, 6 hours/year
2022-present	Course Director, Medical Student Trauma Simulation Lab 4-6 students, 5-6 hours twice a month
2022-2023	Research mentor, 3 students, 6 hours/year
2022	Research mentor, 1 student, 5 hours/year
2023-2024	Research mentor, 1 student, 8 hours/year
2024	Research mentor, 1 student, 5 hours/year
2024-present	Research mentor, 1 student, one hour/month
2024-present	Research mentor, 1 student, one hour/month
2025-present	Research mentor, 1 student, one hour/month
2025-present	Research mentor, 1 student, one hour/month

Resident Teaching/Mentoring

2019	Mock orals examiner, UMMC, 4 surgical residents
2020	Lecturer, “The Work-up and Management of Hyperlactatemia” lecture to the UMMC PGY-3 surgical residents, UMMC, 1 hour.
2021-2022	Research mentor, 1 surgical resident, 9 hours/year
2021-2022	Research mentor, 1 surgical resident, 6 hours/year
2021-2022	Mentor, 1 medicine resident, 25 hours/year
2022- present	Southeastern & Southwestern Surgical Congress Virtual Mock Oral Boards Examiner
2023	Mentor, 1 surgical resident, 5 hours/year
2023-2024	Research mentor, 1 surgical resident, 10 hours/year
2023-2024	Research mentor, 1 research resident, 8 hours/year
2023	Instructor, PGY-1 to PGY-5 surgical residents, 4 hours/year
2024-present	

Fellow Teaching

2020-2022	Lecturer, Management of Cervical Spinal Injury Patients, 1 hour/year
2022-2023	Research mentor, 1 ACS fellow, 12 hours/year
2022-present	Lecturer, Diagnosis & Management of Abdominal Compartment Syndrome, 1 hour/year
2022-present	Lecturer, Traumatic Injury in Older Adults, 1 hour/year
2022-present	Lecturer, AAST ACS Fellowship Core Conference, 1 hour/year
2022-present	Lecturer, SCC Core Conference, 1 hour/year
2022-2024	Research mentor, 1 SCC/ACS fellow, 20 hours/year
2022-present	Mentor, Fellows Medical Peer Review Committee, quarterly 1-hour QI Conference
2024-present	Research mentor, 1 SCC/ACS fellow, 20 hours/year
2024-present	Research mentor, 1 EM/SCC fellow, 20 hours/year

Young Faculty Mentoring

2025 – present	Mentor, 1 early career acute care surgeon at SSM Health St. Louis University Hospital, 12 hours/year, EAST Mentoring Program
2025 – present	Research Mentor, 1 early career acute care surgeon at R Adams Cowley Shock Trauma, 12 hours year

Institutional/Community Teaching

2018-present	ATLS Instructor, 15 classes taught, class-size ~8 to 25 learners
2021-present	ATLS Course Director, 2 classes taught, class size ~8 to 25 learners
2018-present	ATOM Instructor, 6 classes taught, class size ~6-10 students
2021-present	ATOM Course Director, 1 class, class size ~6-10 students
2018-present	ASSET Instructor, 4 classes taught, class size ~6-10 surgeons

Research Activities

Primary research interests include 1) focus management, clinical outcomes, and patient reported outcomes in older adult trauma and emergency general surgery patients; 2) the influence of the lived environment on outcomes in older adults (current capstone project at the Bloomberg School of Public Health); 3) the influence of frailty and dementia on outcomes of older adults with traumatic brain injury. Recipient of the 2022 UMB/ICTR Internal KL2 Mentored Career Development Award.

Grant Support

Current

2025	PI, 0% effort budgeted Burroughs-Wellcome Scholar-AHEAD Program Total Direct Cost: \$5,000
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Completed

2019-2022	PI, 0% effort budgeted Brain vs Bone: Does Fracture Fixation Type Influence Outcomes in Patients with Traumatic Brain Injury? Eastern Association for the Surgery of Trauma Multicenter Trial Total Direct Cost: \$6,000
2020-2023	PI, 0% effort budgeted Trajectories of Long-term Functional and Cognitive Outcomes in Geriatric Trauma Patients Center for Shock, Trauma and Anesthesiology (STAR) pilot project Total Direct Cost: \$25,000

2022-2024	PI, 0% effort budgeted Blended Reality Immersion for Geriatric Head Trauma: The BRIGHT Study University of Maryland Strategic Partnership MPowering the State Award Annual Direct Cost: \$125,000 Total Direct Cost: \$250,000
2022-2024	PI, 50% effort The Prospective Geriatric Patient Reported Outcomes (GERI-PRO) UMB ICTR Internal KL2 Award Total Direct Cost: \$250,000

Publications

Peer-reviewed Journal Articles

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'Keeffe T, De Moya M, Demissie S, **Ghneim M**, Davis ML. Cirrhosis, Operative Trauma, Transfusion, and Mortality: A Multicenter Retrospective Observational Study. *Cureus*. 2018 Aug;10(8):e3087. doi: 10.7759/cureus.3087. PMID: 30324043.
5. Lauerman MH, Haase DJ, Teeter W, Kufera J, **Ghneim M**, Betzold R, Scalea T, Murthi S. Surgical Intensivist-Led Training in Critical Care Ultrasound Improves Performance. *Am Surg*. 2021 Aug;87(8):1238-1244. doi: 10.1177/0003134820972984. Epub 2020 Dec 19. PMID: 33345585.
6. **Ghneim M**, Diaz JJ Jr. Dementia and the Critically Ill Older Adult. *Crit Care Clin*. 2021 Jan;37(1):191-203. doi: 10.1016/j.ccc.2020.08.010. Epub 2020 Oct 26. PMID: 33190770.
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 Dec;7:39, <https://dx.doi.org/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 Feb;9,5. doi: 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, Schroepel 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. PMID: 34395918.
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. Epub 2021 May 5. PMID: 33964401.

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;56(4):529-536. doi: 10.1097/SHK.0000000000001772. PMID: 34524267.
12. 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*. 2021.5(3):143-146. doi: 10.26676/jevtm.v5i3.210.
13. 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 assessment in COVID-19 venovenous extracorporeal membrane oxygenation. *Ann Thorac Surg*. 2021 Dec;112(6):1983-1989. doi: 10.1016/j.athoracsur.2020.12.050. Epub 2021 Jan 21. PMID: 33485917.
14. 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 hematomas. *World Neurosurg*. 2022 Jan;157:3179-e187. doi:10.1016/j.wneu.2021.09.121. Epub 2021 Oct 7. PMID: 34626845.
15. **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, Schroepel 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; s1525-8610(22)00163-3. doi: 10.1016/j.jamda.2022.01.085. Epub 2022 Mar 10. PMID: 35283084.
16. **Ghneim MH**, Sadler CA, Kufera JA, Hendrix CJ, Herrold JA, Clark J, O'Meara LB, Diaz JJ. Cost Differences Between Teaching and Nonteaching Hospitals for Older Adults Requiring Emergency General Surgery Procedures in the State of Maryland. *Am Surg*. 2022 Aug;88(8):1783-1791. doi: 10.1177/00031348221083948. Epub 2022 Apr 4. PMID: 35377258.
17. Delaplain PT, Tay-Lasso E, Biffl WL, Schaffer KB, Sundel M, Behdin S, **Ghneim M**, Costantini TW, Santorelli JE, Switzer E, Schellenberg M, Keeley JA, Kim DY, Wang A, Dhillon NK, Patel D, Campion EM, Robinson CK, Kartiko S, Quintana MT, Estroff JM, Kirby KA, Nahmias J. Excluding Hollow Viscus Injury for Abdominal Seat Belt Sign Using Computed Tomography. *JAMA Surg*. 2022 Sep 1;157(9):771-778. doi: 10.1001/jamasurg.2022.2770. PMID: 35830194.
18. **Ghneim MH**, Kufera JA, Clark J, Harfouche MN, Hendrix CJ, Diaz JJ. Emergency General Surgery Procedures and Cost of Care for Older Adults in the State of Maryland. *Am Surg*. 2022 Mar;88(3):439-446. doi: 10.1177/00031348211048838. Epub 2021 Nov 3. PMID: 34732080.
19. 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.
20. Powell E, Lankford A, **Ghneim M**, Rabin J, Haase D, Dahi S, Deatrck 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*. 2023 Nov;38(8):1623-1630. doi: 10.1177/02676591221128237. Epub 2022 Sep 16. PMID: 36114156.
21. **Ghneim M**, Adams S, Stein DM. Frailty Assessment in the Older Adult Surgical Patient-Crucial Questions for the Future. *JAMA Surg*. 2023 May 1;158(5):483-484. doi: 10.1001/jamasurg.2022.8350. PMID: 36811899.
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 AL, Bargoud CG, Sciarretta JD, Smith RN, Hanos DS, Afif IN, Beard JH, Dhillon NK, Zhang A, **Ghneim M**, (...) et al. Outcomes among trauma patients with duodenal leak following primary versus complex repair of duodenal injuries: An Eastern Association for the Surgery of Trauma multicenter trial. *J Trauma Acute Care Surg*. 2023 Jul 1;95(1):151-159. doi: 10.1097/TA.0000000000003972. Epub 2023 Apr 19. 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. Hosseinpour H, El-Qawaqzeh K, Magnotti LJ, Bhogadi SK, **Ghneim M**, Nelson A, Spencer AL, Colosimo C, Anand T, Dittillo M, Joseph B. The unexpected paradox of geriatric traumatic brain injury outcomes: Uncovering racial and ethnic disparities. *Am J Surg*. 2023 Aug;226(2):271-277. doi: 10.1016/j.amjsurg.2023.05.017. Epub 2023 May 18. PMID: 37230872.
27. O'Meara L, Zhang A, Baum JN, Cooper A, Decker C, Schroepel 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;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, et al. 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 Oct;95(4):516-523. doi: 10.1097/TA.0000000000004095. Epub 2023 Jun 19. PMID: 37335182.
29. Stey AM, **Ghneim M**, Gurney O, Santos AP, Rattan R, Abahuje E, Baskaran A, Nahmias J, Richardson J, Zakrisson TL, Bailly ZD, Haut ER, Chaudhary M, Joseph B, Zarzaur B, Hendershot K. Creation of standardized tools to evaluate reporting in health research: Population Reporting of Gender, Race, Ethnicity & Sex (PROGRES). *PLOS Glob Public Health*. 2023 Sep;3(9):e0002227. doi: 10.1371/journal.pgph.0002227. PMID: 37676874.
30. Santos J, Delaplain PT, Tay-Lasso E, Biffl WL, Schaffer KB, Sundel M, **Ghneim M**, Costantini TW, Santorelli JE, Switzer E, Schellenberg M, Keeley JA, Kim DY, Wang A, Dhillon NK, Patel D, Campion EM, Robinson CK, Kartiko S, Quintana MT, Estroff JM, Kirby KA, Grigorian A, Nahmias J. Development and Validation of a Novel Hollow Viscus Injury Prediction Score for Abdominal Seatbelt Sign: A Pacific Coast Surgical Association Multicenter Study. *J Am Coll Surg*. 2023 Dec;237(6):826-833. doi: 10.1097/XCS.0000000000000863. Epub 2023 Sep 13. PMID: 37703489.
31. **Ghneim M**, Stein DM. Management of traumatic brain injury in older adults: What you need to know. *J Trauma Acute Care Surg*. 2023 Nov;95(5):780-789. doi: 10.1097/TA.0000000000004118. Epub 2023 Aug 17. PMID: 37590010.
32. Harfouche MN, **Ghneim M**, Nezami N, Vesselinov R, Diaz JJ. Greater cost without greater benefit: The need to refine transfer criteria for patients with severe acute pancreatitis. *Pancreatolgy*. 2023 Nov;23(7):784-788. doi: 10.1016/j.pan.2023.08.010. Epub 2023 Aug 30. PMID: 37696729.
33. Schellenberg M, Owattanapanich N, Emigh B, Van Gent JM, Egodage T, Murphy PB, Ball CG, Spencer AL, Vogt KN, Keeley JA, Doris S, Beiling M, Donnelly M, **Ghneim M**, Schroepel T, Bradford J, Breinholt CS, Coimbra R, Berndtson AE, Anding C, Charles MS, Rieger W, Inaba K, and AAST VTE Prophylaxis Study Group. When is it safe to start venous thromboembolism prophylaxis after blunt solid organ injury? A prospective American Association for the Surgery of Trauma multi-institutional trial. *J*

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Book Chapters

1. **Ghneim MH**, Scalea T. Can abdominal decompression improve refractory intracranial hypertension. IN: Wilson K and Rogers SO, editors. *Difficult Decisions in Trauma Surgery: An Evidence Based Approach*. Cham, Springer; 2021. pp. 181-188.
2. **Ghneim MH**, Scalea T. Abdominal compartment syndrome: Open abdomen strategies in acute care surgery. IN: Nigri G and Tsoulfas G, editors. *American College of Surgeons Gastrointestinal Surgical Emergencies*. Chicago, ACS IRC, 2022. pp. 276-288.
3. **Ghneim MH**, Diaz J. Emergency General Surgery: A Paradigm Shift to Meet the Demand of an Evolving Discipline. In: Zeilinski M and Guillaumondegui O., editors. *The Acute Management of Surgical Disease* 1st edition. Cham, Springer, 2022. pp. 1-15.
4. **Ghneim M**, Scalea, T.M. Critical Care Management of Older Adults. In: Petrone, P., Brathwaite, C.E. editors. *Acute Care Surgery in Geriatric Patients*. Cham, Springer; 2023, pp.455-467.
5. **Ghneim M**, Tisherman S. Chapter 2: Perioperative management: Practical principles, risk determination, and future decisions. In: Ellison EC and Upchurch GR, editors. *Fischer's Mastery of Surgery* 8th Edition. Philadelphia, Wolters Kluwer, 2023. pp. 13-25.
6. Dhillon N, **Ghneim M**. Traumatic Brain Injury in Older Adults. In: Brogi E, Coccolini F, Ley EJ and Valadka A, editors. *Traumatic Brain Injury (Hot Topics in Acute Care Surgery and Trauma)*, Cham, Springer; 2024, pp.463-476.
7. **Ghneim MH**, Stein DM. Neuro Critical Care. In: Rodriguez A, Barraco RD, and Ivatury RR, editors. *Geriatric Trauma and Acute Care Surgery* 1st edition, Cham, Switzerland, pp.81-90.
8. **Ghneim M**, Broderick M, Stein DM. Chapter 4: Sleep-Wake Disorders Among Older Adults Following Traumatic Brain Injury. *Traumatic Brain Injuries-Navigating the Unique Terrain of the Injured Young and Aged Brains* (Springer-ISBN 978-031-69831-6). In production.
9. **Ghneim M**, Broderick M, Stein DM. Chapter 5: Dementia and Depression Among Older Adults Following Traumatic Brain Injury. *Traumatic Brain Injuries-Navigating the Unique Terrain of the Injured Young and Aged Brains* (Springer-ISBN 978-031-69831-6). In production.

Published Multimedia

1. **Ghneim MH**, Stein DM. SCORE Surgical Residency geriatric trauma module. *American Board of Surgery*. [Internet] Available from: <https://www.surgicalcore.org/> (Dr. Ghneim was author on a previous version)

Major Invited Speeches

Local

1. **Ghneim MH**, Management of severe traumatic brain injury in ICU, Physical Rehabilitation Grand Rounds, East Carolina University, Greenville, NC. 2016
2. **Ghneim MH**, Management of severe pancreatitis, East Carolina University Brody School of Medicine, Grand Rounds, Greenville, NC. 2017
3. **Ghneim MH**, Management of blunt cerebrovascular injury, Multidisciplinary Trauma Conference, East Carolina University, Greenville, NC. 2017
4. **Ghneim MH**, To REBOA or not to REBOA that is the question. Eastern Area Health Education 14th Annual Trauma Symposium, Greenville, NC. 2018

5. **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 Baltimore, MD. 2021
6. **Ghneim MH**, The American College of Surgeons Point Counter Point Conference- Management of Older Adults in Trauma-What You Need to Know, Baltimore, MD. 2023
7. **Ghneim MH**, Management of the geriatric patient-What you need to know. Suburban Hospital Critical Issues in Trauma Conference, Washington, DC. 2024

National

1. **Ghneim MH**, “Geriatric Trauma: The Intricacies of Patient Management” McLaren Health Care Grand Rounds Lansing, MI, 2022
2. **Ghneim MH**, “No Tubes Attached: Why Laparoscopic Cholecystectomy Reigns Supreme in the Management of Acute Cholecystitis” American College of Surgeons Clinical Congress, Boston, MA. 2023
3. **Ghneim MH**, “TBI in Older Adults: Who Goes Home?” American College of Surgeons/Committee on Trauma TQIP Program Meeting. Louisville, KY. 2023
4. **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
5. **Ghneim MH**, “Management of Malignant Bowel Obstructions,” as part of “The Two Hit Hypothesis of EGS: Navigating Surgical Emergencies in Patients with Advanced Co-morbidities.” Eastern Association for the Surgery of Trauma and Western Trauma Association-Collaborative Review of Guidelines with Western Trauma Association, Eastern Association for the Surgery of Trauma National Assembly, Tucson, AZ. 2025
6. **Ghneim MH**, Moderator for “Short Course #2-Trauma Scientists Needed: East Multicenter Trials.” Eastern Association for the Surgery of Trauma National Assembly, Tucson, AZ, 2025.
7. **Ghneim MH**, “Mesenteric Ischemia Session,” American College of Surgeons annual meeting, Chicago, IL 2025.
8. **Ghneim MH**, “Trauma presentation,” Stanford Trauma Group local meeting, Stanford, CA. 2025.

Proffered Communications

1. **Ghneim MH**, Management of thoracic trauma involving rib fractures and surgical techniques for thoracic stabilization, Thoracic Trauma Technology Symposium, West Palm Beach, FL. 2013
2. **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, Dallas, TX. 2013
3. **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, Santa Barbara, CA. 2013
4. **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, Baltimore, MD. 2015
5. **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 78th Annual Meeting, Dallas, TX. 2019
6. 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 78th Annual Meeting, Dallas, TX. 2019
7. **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 34th Annual Meeting, Orlando, FL. 2020
 8. **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 50th Annual Meeting, Sun Valley, ID. 2020
 9. **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, Schroepfel 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 79th Annual Meeting, virtual meeting, 2020
 10. **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. Southeastern Surgical Congress Conference, Atlanta, GA. 2021
 11. **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, Maui, HI. 2021.
 12. **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, Nashville, TN. 2022
 13. **Ghneim M**, Joe Kufera, Ashling Zhang, Liz Penaloza-Villalobos, Lourdes Swentek, Jill Watras, (et al.) 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, Eastern Association for the Surgery of Trauma 36th EAST Annual Scientific Assembly, Lake Buena Vista, FL. 2023.
 14. O'Meara L, Zhang A, Vesselinov R, 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** Anticoagulation in Emergency General Surgery: Who Bleeds More? The EAST Multicenter Trials ACES study. Podium presentation, Eastern Association for the Surgery of Trauma, 36th Annual Scientific Assembly, Lake Buena Vista, FL. 2023
 15. **Ghneim M**, and Stein DM. The Prospective Geriatric Patient Reported Outcomes (GERI-PRO) Study: Understanding the Post-Traumatic Injury Recovery from the Patient's Perspective. Association for Clinical and Translational Science Meeting, Poster Presentation, Washington, DC. 2023
 16. **Ghneim M**, Joe Kufera, Ashling Zhang, Liz Penaloza-Villalobos, Lourdes Swentek, Jill Watras, (et al.) and the Brain vs. Bone Study Group. Podium presentation, 82nd American Association for the Surgery of Trauma, Annual Scientific Assembly, Anaheim, CA. 2023
 17. **Ghneim M**, Hosseinpour H, Joseph B, Stein D. Inverting Assumptions: The Effect of Dementia on Outcomes in Older Adults with Traumatic Brain Injury. Quick shot presentation, Pacific Coast Surgical Association, 95th Surgical Meeting, Rancho Mirage, CA. 2024.
 18. **Ghneim M**, Vesselinov R, Stein DM and the GERI-TBI Study Group. Mild Traumatic Brain Injury in Older Adults: A Prospective Study of Injury Characteristics, Outcomes and Predictors of Poor Outcomes: Results from the American Association for the Surgery of Trauma Geri-TBI Multicenter

Trial. Association for Clinical and Translational Science Meeting, Poster Presentation, Las Vegas, NV. 2024

19. **Ghneim M**, Hossienpour H, Stein D, Joseph B. A Fragile Body and an Injured Brain: The Effect of Frailty on Outcomes in Older Adults with Traumatic Brain Injury. Poster presentation, 83rd American Association for the Surgery of Trauma, Annual Scientific Assembly, Las Vegas, NV. 2024