

Jared R. Gallaher, MD, MPH, FACS
Curriculum Vitae

July 1, 2024

PERSONAL INFORMATION

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Address: UNC School of Medicine, Department of Surgery
4006 Burnett-Womack Building, CB #7228, Chapel Hill NC 27599

EDUCATION

Postdoctoral Training

08/2018 – 07/2019 Fellow, Surgical Critical Care
Oregon Health Sciences University (OHSU)
Department of Surgery, Portland, Oregon

06/2011 – 06/2018 Resident, General Surgery
UNC Department of Surgery,
University of North Carolina at Chapel Hill, NC

06/2014 – 06/2016 Research Fellow
Malawi Surgical Initiative
UNC Department of Surgery, Lilongwe, Malawi

Graduate

08/2014 – 05/2016 Master of Public Health
Gillings School of Global Public Health
University of North Carolina at Chapel Hill, NC
Public Health Leadership Program

07/2007 – 05/2011 Doctor of Medicine
Wake Forest University School of Medicine

Undergraduate

08/2001 – 05/2004 Bachelor of Arts, Theological Studies,
Magna Cum Laude
HNGR (Human Needs and Global Resources) Program Certificate
Wheaton College (IL)

PROFESSIONAL EXPERIENCE

Academic Appointments

08/2020 – Present Assistant Professor (Tenure Track)
UNC School of Medicine
Department of Surgery
General and Acute Care Surgery Division

11/2019 – Present Adjunct Assistant Professor
Gillings School of Global Public Health
Public Health Leadership Program

08/2019 – 08/2020 Nominated Assistant Professor (Tenure Track)
UNC School of Medicine
Department of Surgery
General and Acute Care Surgery Division

Administrative Appointments

07/2024 – Present Research Director
UNC Division of Trauma and Acute Care Surgery
UNC School of Medicine, Chapel Hill, NC

11/2021 – Present Medical Director
Intermediate Surgical Unit
University of North Carolina Medical Center, Chapel Hill, NC

09/2020 – Present Co-Director
UNC - Malawi Surgical Initiative
UNC School of Medicine, Chapel Hill, NC

Clinical Appointments

08/2019 – Present Attending Surgeon University of North Carolina Medical Center
Chapel Hill, NC

LICENSURE AND CERTIFICATION

11/2021 – Present American College of Surgeons
Fellow
Member # 3176258

09/2019 – Present American Board of Surgery
Certification in Surgical Critical Care
Certificate # 004669

10/2018 – Present American Board of Surgery
Certification in Surgery
Certificate # 063890

03/2014 – Present North Carolina Medical License
License # 2014-00528. Renewal date: 03/30/2025

HONORS

Faculty

06/2023 2023 Outstanding Medical Student Teaching by Faculty Award

06/2020 2020 Resident “Rookie of the Year” Faculty Award in Department of Surgery

06/2020 2020 Outstanding Resident Teaching by Faculty Award

Residency

07/2019 2019 SCCPDS (Surgical Critical Care Program Directors Society)
“Excellence in Research” Award: Honorable Mention

03/2018 National Committee on Trauma (COT) Paper Competition
Clinical Second Place Winner

11/2017 Region IV Committee on Trauma (COT) Paper Competition
Clinical Paper Winner

07/2017 NC/SC ACS Chapter Meeting (Pinehurst, NC)
1st Place Overall Resident Paper
1st Place Clinical Science Resident Paper Competition

06/2017 Administrative Chief
UNC General Surgery Residency

06/2017 UNC Proctor Award for Resident Research Excellence
UNC Department of Surgery

11/2016 Region IV Committee on Trauma (COT) Paper Competition
Clinical Paper Winner

10/2016 Owen H Wangenstein Scientific Forum Excellence in Research Award
American College of Surgeons (ACS) Annual Scientific Forum

07/2016 NC/SC ACS Chapter Meeting (Myrtle Beach, SC)
2nd Place Clinical Science Resident Paper Competition

05/2016 George F. Sheldon, MD Surgical Research Award
UNC Department of Surgery

07/2015 NC/SC ACS Chapter Meeting (Pinehurst, NC)
2nd Place Clinical Science Resident Paper Competition

10/2014 Womack Surgical Research and Outreach Grant
Annual research award from the Womack Surgical Society at UNC

Graduate School

05/2016 Delta Omega Member Induction
Honorary Public Health Society
UNC Gillings School of Global Public Health

09/2010 Alpha Omega Alpha Member Induction (AOA)
Wake Forest University School of Medicine

07/2010 Academic Merit Award Scholarship
Full Tuition Scholarship
Wake Forest University School of Medicine

BIBLIOGRAPHY AND PRODUCTS OF SCHOLARSHIP

Book Chapters

1. **Gallaher JR**, Freeman CM, Schreiber MA. Adjunct Factor Replacement. In: Trauma Induced Coagulopathy 2020 Oct 12 (pp. 443-454). Springer, Cham.
2. **Gallaher JR**, Purcell LN. I Am a Surgery Resident Now, 10 Things I Wish I Had Learned as a Medical Student. In: A How To Guide For Medical Students. Springer International Publishing; 2017 (pg 155-163)

1. Akinkuotu AC, Burkbauer L, Phillips MR, **Gallaher J**, Williams FN, McLean SE, Charles AG. Neighborhood Child Opportunity is Associated with Hospital Length of Stay Following Pediatric Burn Injury. *Burns*. 2024 Aug;50(6):1487-1493.
2. An SJ, Ngwira N, Davis D, **Gallaher J**, Charles A. Transfusion and Mortality in Acute Care Surgical Patients in Malawi: A Propensity-Matched Analysis. *J Surg Res*. 2024 May 1;297:121-127.
3. An SJ, Smith C, Davis D, **Gallaher J**, Tignanelli CJ, Charles A. Predictors of Functional Decline Among Critically Ill Surgical Patients: A National Analysis. *J Surg Res*. 2024 Apr;296:209-216.
4. An SJ, Kayange L, Davis D, Peiffer S, **Gallaher J**, Charles A. Predictors of mortality following electrical and lightning injuries in Malawi: A decade of experience. *Burns*. 2024 Apr;50(3):754-759.
5. Reid TD, Crespo Regalado R, Carlson R, Schneider A, Boone JS, Hockran S, Butler LR, Perez DL, Holloway AD, Nguyen PG, **Gallaher J**, Charles AG, Raff L. Outcomes in Obese Adult Venovenous Extracorporeal Membrane Oxygenation: A Systematic Review. *ASAIO J*. 2024 Feb 1;70(2):86-92.
6. Davis D, An S, Kayange L, Wolf L, Boddie O, Charles A, **Gallaher J**. The Timing of Operative Intervention for Pediatric Burn Patients in Malawi. *World J Surg*. 2023 Dec;47(12):3093-3098.
7. Atkins K, Schneider A, **Gallaher J**, Cairns B, Charles A. Who benefits from resuscitative thoracotomies following penetrating trauma: The patient or the learner? *Injury*. 2023 Nov;54(11):111033.
8. An SJ, Davis D, Peiffer S, **Gallaher J**, Tignanelli CJ, Charles A. Arrhythmias in Critically Ill Surgical and Non-surgical Patients: A National Propensity-Matched Study. *World J Surg*. 2023 Nov;47(11):2668-2675.
9. **Gallaher J**, An S, Varela C, Schneider A, Charles A. The Bidirectionality of Global Surgical Research: The Utility of the Malawi Trauma Score in the United States Trauma Population. *J Surg Res*. 2023 Nov;291:459-465.
10. Atkins K, Schneider A, **Gallaher J**, Charles A. The effect of transport mode on mortality following isolated penetrating torso Trauma. *Am J Surg*. 2023 Oct;226(4):542-54.
11. Holloway A, Williams F, Akinkuotu A, Charles A, **Gallaher JR**. Race, area deprivation index, and access to surgical burn care in a pediatric population in North Carolina. *Burns*. 2023 Sep;49(6):1298-1304.
12. An SJ, Kumwenda K, Peiffer S, Davis D, **Gallaher J**, Charles A. Pediatric Traumatic Brain Injury in Malawi: A Propensity-Weighted Analysis of Outcomes and Trends Over Time. *World Neurosurg*. 2023 Aug;176:e704-e710.
13. **Gallaher J**, An SJ, Kayange L, Davis D, Charles A. Tri-modal Distribution of Trauma Deaths in a Resource-Limited Setting: Perception Versus Reality. *World J Surg*. 2023 Jul;47(7):1650-1656.
14. An SJ, Ngwira N, Davis D, **Gallaher J**, Charles A. Fall-Related Injuries in Malawi: Outcomes and Trends Over Time. *World J Surg*. 2023 Jun;47(6):1411-1418.
15. **Gallaher J**, Raff L, Schneider A, Reid T, Miller MB, Boddie O, Charles A. The role of ECMO in COVID-19 acute respiratory failure: Defining risk factors for mortality. *Am J Surg*. 2023 Jun;225(6):1096-1101.
16. An SJ, Davis D, Kayange L, **Gallaher J**, Charles A. Predictors of mortality for perforated peptic ulcer disease in Malawi. *Am J Surg*. 2023 Jun;225(6):1081-1085.
17. Reid T, Kincaid J, Shrestha R, Strassle PD, Maine R, Charles A, **Gallaher J**, Manjolo M, Gondwe J, Wren SM. Perceptions of Gender Disparities in Access to Surgical Care in Malawi: A Community Based Survey. *Am Surg*. 2023 Jun;89(6):2545-2553.
18. **Gallaher J**, Burton V, Schneider AB, Reid T, Raff L, Smith CB, Charles A. The Effect of Angioembolization Versus Open Exploration for Moderate to Severe Blunt Liver Injuries on Mortality. *World J Surg*. 2023 May;47(5):1271-1281.
19. Yohann A, Mulima G, Kayange L, Purcell L, **Gallaher J**, Charles A. Sex-Based Differences in Survival Among Patients with Acute Abdomen Undergoing Surgery in Malawi: A Propensity Weighted Analysis. *World J Surg*. 2023 Apr;47(4):895-902.
20. Atkins K, Schneider A, Rodriguez C, **Gallaher J**, Charles A. The predictive probability of mortality in the presence of full-thickness burns. *Burns*. 2023 Apr;225(4):793-799.
21. Adams UC, Herb JN, Akinkuotu AC, **Gallaher JR**, Charles AG, Phillips MR. Nonoperative Management Versus Laparoscopic Appendectomy in Children: A Cost-Effectiveness Analysis. *J Surg Res*. 2023 Mar;283:929-936.

22. Raulli SJ, Schneider AB, **Gallaher J**, Motta F, Parodi E, Farber MA, Pascarella L. Trends and Outcomes in Management of Thoracic Aortic Injury in Children, Adolescent, and Mature Pediatric Patients using Data from the National Trauma Data Bank. *Ann Vasc Surg.* 2023 Feb;89:190-199.
23. Yohann A, Chise Y, Manjolo C, Purcell LN, **Gallaher J**, Charles A. Malawi Trauma Score is Predictive of Mortality at a District Hospital: A Validation Study. *World J Surg.* 2023 Jan;47(1):78-85.
24. Schneider AB, Adams U, **Gallaher J**, Purcell LN, Raff L, Eckert M, Charles A. Blood Utilization and Thresholds for Mortality Following Major Trauma. *J Surg Res.* 2023 Jan;281:82-88.
25. Reid TD, Kratzke I, Dayal D, Raff L, Serrano P, Kumar A, Boddie O, Zendel A, **Gallaher J**, Carlson R, Boone J, Charles AG, Desai CS. The role of extracorporeal membrane oxygenation in adult kidney transplant patients: A qualitative systematic review of literature. *Artif Organs.* 2023 Jan;47(1):24-37.
26. Yohann A, Kayange L, Purcell L, **Gallaher J**, Charles A. Acute care surgery in a Malawian district hospital: Epidemiology, outcomes, and assessment of operative capacity. *Trop Doct.* 2023 Jan;53(1):73-80.
27. Schneider AB, **Gallaher J**, Burton V, Reid T, Charles A, Raff LA. Extracorporeal Membrane Oxygenation for Refractory Acute Respiratory Failure Following Traumatic Injury: Analysis of the National Trauma Data Bank (2007-2019). *Am Surg.* 2023 Dec;89(12):6230-6232.
28. Raff LA, **Gallaher JR**, Johnson D, Raff EJ, Charles AG, Reid TS. Time to Cannulation after ICU Admission Increases Mortality for Patients Requiring Venovenous ECMO for COVID-19 Associated Acute Respiratory Distress Syndrome. *Annals of Surgery.* 2022 Dec 1;276(6):e659-e663.
29. **Gallaher J**, Abid M, Kayange L, Purcell L, Charles A. The Effect of COVID-19 on Burn Management and Outcomes in a Resource-Limited Setting. *Burns.* 2022 Nov;48(7):1584-1589.
30. **Gallaher JR**, Yohann A, Kajombo C, Schneider A, Purcell L, Charles A. Reallocation of Hospital Resources During COVID-19 Pandemic and Effect on Trauma Outcomes in a Resource-Limited Setting. *World J Surg.* 2022 Sep;46(9):2036-2044.
31. Abid M, Schneider A, Raff L, Charles A, **Gallaher JR**. Validating the danger of vehicular protective devices and bowel injury. *Injury.* 2022 Sep;53(9):3047-3051.
32. Yohann A, Kajombo C, Mulima G, **Gallaher J**, Charles A. Inter-hospital Transfer Delays to a Tertiary Referral Center and Postoperative Outcomes in Patients with Abdominal Surgical Emergencies in Malawi. *World J Surg.* 2022 Sep;46(9):2085-2093.
33. Gribensk A, Schneider A, **Gallaher JR**, Reid TS, Kindell DG, Charles AG, Raff LA. Post-hospitalization outcomes following extracorporeal membrane oxygenation (ECMO) for COVID-19. *Surgery.* 2022 Jul;172(1):466-469.
34. Jensen S, Abrahamsen I, Baumgarten M, **Gallaher J**, Feltner C. Screening Tools for Predicting PTSD in Acutely Injured Adult Trauma Patients: a Systematic Review. *J Trauma Acute Care Surg.* 2022 Jun 1;92(6):e115-e126.
35. **Gallaher J**, Yohann A, Schneider AB, Raff L, Reid T, Charles A. The Use of Head Computerized Tomography in Patients with GCS 15 following Trauma: Less is More. *Injury.* 2022 May;53(5):1645-1651.
36. **Gallaher J**, Stone L, Marquart G, Freeman C, Zonies D. Do I Really Need This Transthoracic ECHO? An Over-Utilized Test in Trauma and Surgical Intensive Care Units. *Injury.* 2022 May;53(5):1631-1636.
37. Williams BM, Schneider A, **Gallaher J**, Charles A. Racial and ethnic disparities in withdrawal of life-sustaining treatment after non-head injury trauma. *Am J Surg.* 2022 May 1;223(5):998-1003.
38. Reid TD, Kratzke IM, Dayal D, Raff L, Serrano P, Kumar A, Zendel A, Herdman V, **Gallaher J**, Carlson R, Charles AG, Desai CS. The role of extracorporeal membrane oxygenation in adult liver transplant patients: A qualitative systematic review of literature. *Artif Organs.* 2022 Apr;46(4):578-596.
39. Schneider A, **Gallaher J**, Purcell LN, Raff L, Eckert M, Charles A. Risk of acute kidney injury requiring hemodialysis after contrast-enhanced imaging after traumatic injury: A National Trauma Databank analysis. *Surgery.* 2022 Apr;171(4):1085-1091.
40. **Gallaher JR**, Charles A. Acute Cholecystitis: A Review. *JAMA.* 2022 Mar 8;327(10):965-975.
41. Yohann A, Kayange L, Purcell LN, **Gallaher J**, Charles A. Direct Transfer to a Tertiary Care Hospital After Traumatic Injury is Associated with a Survival Benefit in a Resource-Limited Setting. *World J Surg.* 2022 Mar;46(3):504-511.

42. Raff LA, Reid TD, Johnson D, Raff EJ, Schneider AB, Charles AG, **Gallagher JR**. Comparative outcomes between COVID-19 and influenza patients placed on veno-venous extracorporeal membrane oxygenation for severe ARDS. *Am J Surg*. 2022 Feb;223(2):388-394.
43. **Gallagher J**, Kayange L, Purcell LN, Reid T, Charles A. Are Surgeons Enough? The Relationship between Increasing Surgical Demand and Access to Surgery in a Resource-Limited Environment. *J Surg Res*. 2021 Nov;267:569-576.
44. Reid TD, Shrestha R, Stone L, **Gallagher J**, Charles AG, Strassle PD. Socioeconomic disparities in ostomy reversal among older adults with diverticulitis are more substantial among non-Hispanic Black patients. *Surgery*. 2021 Oct;170(4):1039-1046.
45. Williams BM, Purcell LN, Varela C, **Gallagher J**, Charles A. Non reducible inguinal hernias in Malawi: an occupational hazard. *Hernia*. 2021 Oct;25(5):1339-44.
46. **Gallagher JR**, Banda W, Lachiewicz AM, Krysiak R, Purcell LN, Charles AG. Predictors of Multi-Drug Resistance in Burn Wound Colonization Following Burn Injury in a Resource-Limited Setting. *Burns*. 2021 Sep;47(6):1308-1313.
47. Williams BM, Kayange L, Purcell L, Charles A, **Gallagher J**. Elderly trauma mortality in a resource-limited setting: A benchmark for process improvement. *Injury*. 2021 Sep;52(9):2651-2656.
48. Williams BM, Purcell L, Kayange L, **Gallagher J**, Charles A. Characteristic and Outcomes of Human and Animal Bites in Malawi. *Injury*. 2021 Aug;52(8):2188-2193.
49. Schneider AB, **Gallagher J**, Raff L, Purcell LN, Reid T, Charles A. Splenic preservation after isolated splenic blunt trauma: The angioembolization paradox. *Surgery*. 2021 Aug;170(2):628-633.
50. Williams BM, Kayange L, Purcell L, **Gallagher J**, Charles A. Self-inflicted injuries: The intersection of mental health and traumatic injury in Malawi. *Trop Doct*. 2021 Jul;51(3):390-397.
51. **Gallagher J**, Purcell LN, Banda W, Reid T, Charles A. The Association Between Burn Unit Census and Operative Intervention in a Resource-Limited Setting. *World J Surg*. 2021 Jun;45(6):1686-1691.
52. **Gallagher JR**, Yohann A, Purcell LN, Kumwenda KK, Charles A. Trends in head injury associated mortality in Malawi. *Injury*. 2021 May;52(5):1170-1175.
53. Agwu C, Purcell LN, **Gallagher J**, Young S, Banza L, Mansfield AJ, Charles A. Cost-Effectiveness analysis of the surgical management of fractures in Malawi: An economic evaluation of a high and low-income country surgical collaboration. *Injury*. 2021 Apr;52(4):767-773.
54. Robinson B, Purcell LN, Kajombo C, **Gallagher J**, Charles A. Outcomes of stab wounds presenting to Kamuzu Central Hospital in Malawi. *Malawi Med J*. 2021 Mar;33(1):1-6.
55. Purcell LN, Mulima G, Nip E, Yohan A, **Gallagher J**, Charles A. Police Transportation Following Vehicular Trauma and Risk of Mortality in a Resource-Limited Setting. *World J Surg*. 2021 Mar;45(3):662-667.
56. Williams BM, Purcell LN, Varela C, **Gallagher J**, Charles A. Appendicitis Mortality in a Resource-Limited Setting: Issues of Access and Failure to Rescue. *J Surg Res*. 2021 Mar;259:320-325.
57. **Gallagher JR**, Chise Y, Reiss R, Purcell LN, Manjolo M, Charles A. Underutilization of Operative Capacity at the District Hospital Level in a Resource-Limited Setting. *J Surg Res*. 2021 Mar;259:130-136.
58. **Gallagher J**, Purcell LN, Banda W, Reid T, Charles A. Re-evaluation of the Effect of Age on In-hospital Burn Mortality in a Resource-Limited Setting. *J Surg Res*. 2021 Feb;258:265-271.
59. Purcell LN, Yohann A, Banda W, **Gallagher J**, Charles A. Sex dimorphism in pediatric burn mortality in Malawi: A propensity matched analysis. *Burns*. 2021 Feb;47(1):228-233.
60. Purcell LN, Sincavage J, Banda W, Cairns B, Phillips MR, **Gallagher JR**, Charles A. The effect of burn mechanism on pediatric mortality in Malawi: A propensity weighted analysis. *Burns*. 2021 Feb;47(1):222-227.
61. **Gallagher JR**, Purcell LN, Banda W, Charles A. The effect of traditional healer intervention prior to allopathic care on pediatric burn mortality in Malawi. *Burns*. 2020 Dec;46(8):1952-1957.
62. **Gallagher JR**, Banda W, Robinson B, Purcell LN, Charles A. Access to Operative Intervention Reduces Mortality in Adult Burn Patients in a Resource-Limited Setting in Sub-Saharan Africa. *World J Surg*. 2020 Nov;44(11):3629-35.
63. **Gallagher JR**, Mulima G, Qureshi J, Shores CG, Charles AG. The role of endoscopy after upper gastrointestinal bleeding in sub-Saharan Africa: A prospective observational cohort study. *Malawi Med J*. 2020 Sep;32(3):139-145.

64. Purcell LN, Kayange L, **Gallaher J**, Varela C, Charles A. The Inter-Relationship Between Employment Status and Interpersonal Violence in Malawi: A Trauma Center Experience. *World J Surg.* 2020 Sep;44(9):2927-34.
65. Purcell LN, Banda W, Williams B, **Gallaher J**, Charles A. The Effect of Surgical Intervention on Pediatric Burn Injury Survival in a Resource-Poor Setting. *J Surg Res.* 2020 Sep;253:86-91.
66. **Gallaher JR**, Dixon A, Cockcroft A, Grey M, Dewey E, Goodman A, Schreiber M. Large Volume Transfusion with Whole Blood is Safe Compared to Component Therapy. *J Trauma Acute Care Surg.* 2020 Jul;89(1):238-245.
67. Purcell LN, Nip E, **Gallaher J**, Varela C, Gondwe Y, Charles A. Design and Implementation of a Hospital-based Trauma Surveillance Registry in a Resource-Poor Setting: A Cost Analysis Study. *Injury.* 2020 Jul;51(7):1548-1553.
68. Purcell LN, Robinson B, Msosa V, **Gallaher J**, Charles A. District General Hospital Surgical Capacity and Mortality Trends in Patients with Acute Abdomen in Malawi. *World J Surg.* 2020 Jul;44(7):2108-15.
69. Purcell LN, Reiss R, Mabedi C, **Gallaher J**, Maine R, Charles A. Characteristics of Intestinal Volvulus and Risk of Mortality in Malawi. *World J Surg.* 2020 Jul;44(7):2087-93.
70. Purcell LN, Mulima G, Reiss R, **Gallaher J**, Charles A. Epidemiological comparisons and risk factors for pre-hospital and in-hospital mortality following traumatic injury in Malawi. *World J Surg.* 2020 Jun;44(6):1727-35.
71. Maine RG, Kajombo C, Mulima G, Kincaid J, Purcell L, **Gallaher JR**, Reid TD, Charles AG. Secondary overtriage of trauma patients to a central hospital in Malawi. *World J Surg.* 2020 Jun;44(6):1727-35.
72. **Gallaher JR**, Varela C, Purcell LN, Maine R, Charles A. Diurnal variation in trauma mortality in sub-Saharan Africa: A proxy for health care system maturity. *Injury.* 2020 Jan 1;51(1):97-102.
73. Purcell L, Ngwira N, **Gallaher J**, Cairns B, Charles A. Characteristics and outcomes in paediatric patients presenting with congenital colorectal diseases in sub-Saharan Africa. *Trop Doct.* 2019 Oct;49(4):256-9.
74. **Gallaher J**, Jefferson M, Varela C, Maine R, Cairns B, Charles A. The Malawi trauma score: A model for predicting trauma-associated mortality in a resource-poor setting. *Injury.* 2019 Sep 1;50(9):1552-1557.
75. Maine RG, Kajombo C, Purcell L, **Gallaher JR**, Reid TD, Charles AG. Effect of in-hospital delays on surgical mortality for emergency general surgery conditions at a tertiary hospital in Malawi. *BJS open.* 2019 Jun;3(3):367-75.
76. Reiter AJ, Schlottmann F, Kajombo C, **Gallaher J**, Charles AG. Surgical Outcomes of Acute Appendicitis in High-Middle-and Low-Income Countries. *Am Surg.* 2019 Feb 1;85(2):e97-e99.
77. Maine RG, Williams B, Kincaid JA, Mulima G, Varela C, **Gallaher JR**, Reid TD, Charles AG. Interpersonal violence in peacetime Malawi. *Trauma Surg Acute Care Open.* 2018 Dec 27;3(1):e000252.
78. **Gallaher JR**, Bonde W, Lachiewicz A, Krysiak R, Cairns BA, Charles AG. Colonization with Multidrug Resistant Enterobacteriaceae is Associated with Increased Mortality Following Burn Injury in Sub Saharan Africa. *World J Surg.* 2018 Oct;42(10):3089-96.
79. Reid TD, Strassle PD, **Gallaher J**, Grudziak J, Mabedi C, Charles AG. Anatomic location and mechanism of injury correlating with prehospital deaths in Sub-Saharan Africa. *World J Surg.* 2018 Sep;42(9):2738-44.
80. Grudziak J, Snock C, Zalinga T, Banda W, **Gallaher J**, Purcell L, Cairns B, Charles A. Pre-burn malnutrition increases operative mortality in burn patients who undergo early excision and grafting in a sub-Saharan African burn unit. *Burns.* 2018 Sep;44(6):1615-1616.
81. Banza LN, **Gallaher J**, Dybvik E, Charles A, Hallan G, Gjertsen JE, Mkandawire N, Varela C, Young S. The rise in road traffic injuries in Lilongwe, Malawi: A snapshot of the growing epidemic of trauma in low income countries. *Int J Surg Open.* 2018 Jan 1;10:55-60.
82. Grudziak J, **Gallaher J**, Banza L, Cairns B, Varela C, Young S, Charles A. The effect of a surgery residency program and enhanced educational activities on trauma mortality in sub-Saharan Africa. *World J Surg.* 2017 Dec 1;41(12):3031-7.
83. Haac BE, **Gallaher JR**, Mabedi C, Geyer AJ, Charles AG. Task Shifting: The Use of Laypersons for Acquisition of Vital Signs Data for Clinical Decision Making in the Emergency Room Following Traumatic Injury. *World J Surg.* 2017 Dec;41(12):3066-73.

84. Grudziak J, Snock C, Mjuweni S, **Gallaher JR**, Cairns B, Charles AG. The effect of pre-existing malnutrition on pediatric burn mortality in a sub-Saharan African burn unit. *Burns*. 2017 Nov 1;43(7):1486-92.
85. Shah M, **Gallaher J**, CO NM, McLean SE, Charles AG. Colostomy as a Bridge to Definitive Pediatric Surgical Care: A Sub-Saharan African Experience. *Am Surg*. 2017 Sep 1;83(9):e367-e369.
86. Tyson AF, **Gallaher J**, Mjuweni S, Cairns BA, Charles AG. The effect of seasonality on burn incidence, severity and outcome in Central Malawi. *Burns*. 2017 Aug 1;43(5):1078-1082.
87. Purcell L, Mabedi CE, **Gallaher J**, Mjuweni S, McLean S, Cairns B, Charles A. Variations in injury characteristics among paediatric patients following trauma: A retrospective descriptive analysis comparing pre-hospital and in-hospital deaths at Kamuzu Central Hospital, Lilongwe, Malawi. *Malawi Med J*. 2017 Jun;29(2):146-150
88. Young S, Banza L, Munthali BS, Manda KG, **Gallaher J**, Charles A. The impact of the increasing burden of trauma in Malawi on orthopedic trauma service priorities at Kamuzu Central Hospital. *Acta orthopaedica*. 2016 Nov 1;87(6):632-6.
89. **Gallaher JR**, Haac BE, Geyer AJ, Mabedi C, Cairns BA, Charles AG. Injury characteristics and outcomes in elderly trauma patients in Sub-Saharan Africa. *World J Surg*. 2016 Nov;40(11):2650-7.
90. Shah M, **Gallaher JR**, Msiska N, McLean SE, Charles AG. Pediatric Intestinal Obstruction in Malawi: Characteristics and Outcomes. *Am J Surg*. 2016 Apr;211(4):722-6.
91. **Gallaher JR**, Wildfire B, Mabedi CE, Cairns BA, Charles AG. Intentional Injury Against Children in Sub-Saharan Africa: A Tertiary Trauma Center Experience. *Injury*. 2016 Apr;47(4):837-41.
92. Becher RD, Peitzman AB, Sperry JL, **Gallaher JR**, Neff LP, Sun Y, Miller PR, Chang MC. Damage control operations in non-trauma patients: defining criteria for the staged rapid source control laparotomy in emergency general surgery. *World J Emerg Surg*. 2016 Dec;11:1-8.
93. **Gallaher JR**, Mjuweni S, Shah M, Cairns BA, Charles, AG. Timing of Early Excision and Grafting following Burn Injury in Sub-Saharan Africa. *Burns*. 2015 Sep;41(6):1353-9.
94. **Gallaher JR**, Mjuweni S, Cairns BA, Charles, AG. Burn Care Delivery in a Sub-Saharan African Unit: A Cost Analysis Study. *Int J Surg*. 2015 Jul;19:116-20.
95. Ladd MR, Pajewski NM, Becher RD, Swanson JM, **Gallaher JR**, Pranikoff T, Neff LP. Delays in treatment of pediatric appendicitis: a more accurate variable for measuring pediatric healthcare inequalities? *Am Surg*. 2013 Sep;79(9):875-81.
96. Groves L B, Ladd MR, **Gallaher JR**, Swanson J, Becher RD, Pranikoff T, Neff LP. Comparing the cost and outcomes of laparoscopic versus open appendectomy for perforated appendicitis in children. *Am Surg*. 2013 Sep 1;79(9):861-4.
97. Ladd MR, Neff LP, Becher RD, **Gallaher JR**, Pranikoff T. Computerized tomography in the workup of pediatric appendicitis: why are children scanned? *Am Surg*. 2012 Jun;78(6):716-21.
98. Neff LP, Ladd MR, Becher RD, Jordanhazy RA, **Gallaher JR**, Pranikoff T. Computerized tomography utilization in children with appendicitis-differences in referring and children's hospitals. *Am Surg*. 2011 Aug;77(8):1061-5.

Other Peer-Reviewed Articles

1. **Gallaher JR**, Schreiber MA. A Review of Whole Blood: Current Trauma Reports. *Curr Trauma Rep*. 2019 Dec 1;5(4):210-5.
2. **Gallaher JR**, Grudziak J, Schreiber MA. Consideration of Anticoagulation: Surgical Care for the Elderly in Current Geriatrics Reports. *Curr Geriatr Rep*. 2019 Sep 15;8(3):173-9.
3. Charles A, **Gallaher JR**, Cairns BA. Burn Care in Low-and Middle-Income Countries. *Clinics in Plastic Surgery*. In ed: Hultman CS, Neumeister MW. *Burn Care: Rescue, Resuscitation, and Resurfacing, an Issue of Clinics in Plastic Surgery*. Elsevier Health Sciences; 2017 Jul;44(3):479-83.

Editorials, Case Reports, Technical Notes, Research Letters

1. Adams U, Greenberg CC, **Gallaher J**. Empowering Surgeons to Help Increase Value in Health Care Requires Better Data. *JAMA Surg*. 2024 Feb 1;159(2):159-160.
2. Raff L, **Gallaher J**, Charles AG. Operative Treatment of Acute Unstable Chest Wall Injuries-Let Us All Take a Deep Breath. *JAMA Surg*. 2022 Nov 1;157(11):990.

3. **Gallaher J**, Stone L, Marquart G, Freeman C, Zonies D. Reply to Letter to the Editor. *Injury*. 2022 Aug;53(8):2900.
4. **Gallaher JR**, Charles A. A Review of Acute Cholecystitis-Reply. *JAMA*. 2022 Jul 5;328(1):77.
5. Raff LA, Schneider AB, Charles AG, **Gallaher JR**. Treatment of Acute Severe Asthma Exacerbation with Extracorporeal Membrane Oxygenation and Inhaled Volatile Anesthetic. *Am Surg*. 2023 Jun;89(6):2755-2757.
6. **Gallaher J**, Charles A. An invited commentary on “Impact of a bundle on surgical infections after hip arthroplasty. A cohort study in Italy” The reality of bundles in a resource-limited environment. *Int J Surg*. 2020 Nov;83:156.
7. Purcell LN, Reiss R, Mabedi C, **Gallaher J**, Maine R, Charles A. Authors’ Reply: Characteristics of Intestinal Volvulus and Risk of Mortality in Malawi. *World J Surg*. 2020 Jul;44(7):2450.
8. **Gallaher J**, Charles A. Look at the patient, not the vital signs: An Invited Commentary on “The use of vital signs in predicting surgical intervention in a South African population.” *Int J Surg*. 2020 Jul;79:162.
9. **Gallaher J**, Charles A. Developing Guidelines for COVID-19 Management: A Moving Target. An invited commentary on “Evidence Based Management Guideline for the COVID-19 Pandemic- Review article.” *Int J Surg*. 2020 Jun;78:42
10. **Gallaher J**, Charles A. An Invited Commentary on “Comparative analysis of weight loss and resolution of comorbidities between laparoscopic sleeve gastrectomy and Roux-en-Y gastric bypass: A systematic review and meta-analysis based on 18 studies” (*Int J Surg* 2020; 76: 101-110)-Time for Shared Decision Making. *Int J Surg*. 2020 May;77:128.
11. **Gallaher J**, Charles A. Developing a Surgical Assessment Tool in Sub-Saharan Africa: One Size Does Not Fit All-An invited commentary on “Development of a Surgical Assessment Tool for National Policy Monitoring & Evaluation in Ethiopia: A Quality Improvement Study.” *Int J Surg*. 2020 May;77:138.
12. **Gallaher JR**, Cairns B, Varela C, Charles AG. Mortality After Peritonitis in Sub-Saharan Africa: An Issue of Access to Care. *JAMA Surg*. 2017 Apr 1;152(4):408-410.
13. **Gallaher JR**, Mulima G, Kopp D, Shores CG, Charles AG. Consequences of centralised blood bank policies in sub-Saharan Africa. *Lancet Glob Health*. 2017 Feb;5(2):e131-e132.
14. **Gallaher JR**, Molyneux E, Charles, AG. Sub-Saharan African Hospitals Have a Unique Opportunity to Address Intentional Injury to Children. *Afr J Emerg Med*. 2016 Jun;6(2):59-60.

Published Abstracts

1. Burton V, Schneider AB, Raff L, Reid TD, Charles AG, **Gallaher JR**. The Effect of Angioembolization vs Open Exploration for Moderate to Severe Blunt Liver Injuries on Mortality. *J Am Coll Surg*. 2023 May 1;236(5):S137
2. Rouan J, **Gallaher JR**, Raff L, Reid TD, Purcell LN, Eckert MJ, Charles AG, Schneider AB. Intracranial Pressure Monitoring Following Severe Traumatic Brain Injury: Trends and Outcomes. *J Am Coll Surg*. 2023 May 1;236(5):S127.
3. Yohann AN, Kajombo C, Purcell LN, Charles AG, **Gallaher JR**. Reallocation of Hospital Resources During COVID-19 Pandemic and Effect on Trauma Outcomes in a Resource-Limited Setting. *J Am Coll Surg*. 2022 Nov 1;235(5):S116
4. Yohann AN, Kajombo C, Kayange L, **Gallaher JR**, Charles AG. Inter-Hospital Transfer Delay to a Tertiary Referral Center and Postoperative Outcomes in Patients with Abdominal Surgical Emergency in Malawi. *J Am Coll Surg*. 2022 Nov 1;235(5):S114.
5. Abid M, Kayange L, Purcell LN, Charles AG, **Gallaher JR**. The Effect of COVID-19 on Burn Management and Outcomes in a Resource-Limited Setting. *J Am Coll Surg*. 2022 Nov 1;235(5):S118.
6. Purcell LN, Kayange L, Charles AG, **Gallaher JR**. Are Surgeons Enough? The Relationship Between Increasing Surgical Demand and Access to Surgery in a Resource-limited Environment. *J Am Coll Surg*. 2021 Nov 1;233(5):S108.
7. Abid M, Schneider A, Purcell LN, Charles A, **Gallaher J**. Validating the Danger of Lap Belts in Blunt Small Bowel Trauma. *J Am Coll Surg*. 2021 Nov 1;233(5):S285-6.
8. Herb J, Adams U, Akinkuotu A, **Gallaher JR**, Charles AG, Phillips MR. Cost-Effectiveness of Nonoperative Management vs Appendectomy for Acute Appendicitis in a Pediatric Population. *J Am Coll Surg*. 2021 Nov 1;233(5):S184.

9. Yohann AN, Purcell LN, Schneider AB, Charles AG, **Gallaher JR**. Head CT in Patients with Glasgow Coma Scale Score of 15 after Trauma: Who Needs It. *J Am Coll Surg*. 2021 Nov 1;233(5):S277.
10. An SJ, Kayange L, Purcell LN, **Gallaher JR**, Charles AG. Non-Ground Level Fall-Related Injuries and Seasonality in Malawi. *J Am Coll Surg*. 2021 Nov 1;233(5):S109.
11. Adams U, Schneider AB, Purcell LN, Raff L, **Gallaher JR**, Charles AG. Drawing the Red Line: Mortality and Transfusion in Trauma Patients (National Trauma Data Bank Analysis). *J Am Coll Surg*. 2021 Nov 1;233(5):S292.
12. Williams BM, Schneider A, **Gallaher JR**, Charles AG. Discharge to Rehabilitation after Traumatic Injury: A Propensity Matched Analysis of Racial and Ethnic Disparities. *J Am Coll Surg*. 2021 Nov 1;233(5):S275-6.
13. Herdman V, Purcell LN, Schneider AB, **Gallaher JR**, Charles AG. Prevalence of Reported Domestic Abuse Among Trauma Patients. *J Am Coll Surg*. 2021 Nov 1;233(5):e207.
14. Williams BM, Thomas CL, Wang M, **Gallaher JR**, Charles AG, Mody GN. Implementation of Patient-Reported Outcomes Collection after Traumatic Injury: An Interim Analysis. *J Am Coll Surg*. 2021 Nov 1;233(5):S278-9.
15. Yohan AN, Kayange L, Purcell LN, **Gallaher JR**, Charles AG. Relationship Between Transfer Status and Risk of Mortality Following Traumatic Injury in a Resource-Limited Setting. *J Am Coll Surg*. 2021 Nov 1;233(5):S115.
16. Reiss R, Purcell LN, Kajombo C, Nip E, **Gallaher JR**, Charles AG. Traumatic Injuries and Resource-Poor Setting: Does Injury Intent Predict Risk of Mortality?. *J Am Coll Surg*. 2020 Oct 1;231(4):e141.
17. Purcell LN, Mulima G, Nip E, Yohann AN, **Gallaher JR**, Charles AG. Police Transportation of the Critically Injured to a Trauma Center and Risk of Mortality in a Resource-Poor Setting. *J Am Coll Surg*. 2020 Oct 1;231(4):S128.
18. Robinson B, Purcell LN, Banda W, Williams B, Charles AG, **Gallaher JR**. Effect of Surgical Intervention on Mortality in Adult Burn Patients in a Resource-Poor Setting. *J Am Coll Surg*. 2020 Oct 1;231(4):S123.
19. Yohann A, Purcell LN, Banda W, **Gallaher JR**, Charles AG. Sex Disparities in Pediatric Burn Mortality in Malawi: A Propensity Matched Analysis. *J Am Coll Surg*. 2020 Oct 1;231(4):e148.
20. Reiss R, Chise YJ, Purcell LN, Manjolo M, **Gallaher JR**, Charles AG. Mismatch of Surgical Intervention with Operative Capacity at the District Hospital-Level in a Resource-Poor Setting. *J Am Coll Surg*. 2020 Oct 1;231(4):S126-7.
21. **Gallaher JR**, Yohann A, Maine RG, Charles AG. Trends in Head Injury-Associated Mortality in Sub-Saharan Africa: Moving Beyond Surgical Workforce. *J Am Coll Surg*. 2019 Oct 1;229(4):S139-40.
22. **Gallaher JR**, Maine R, Kajombo C, Reid T, Charles AG. Diurnal Variation in Trauma Mortality in a Resource-Poor Tertiary Trauma Center in Sub-Saharan Africa. *J Am Coll Surg*. 2018 Oct 1;227(4):S129.
23. Purcell LN, Reid T, Kajombo C, **Gallaher JR**, Charles AG, Maine R. In-Hospital Delays to Surgical Intervention Are Associated with Increased Mortality for Emergent General Surgery Conditions at a Tertiary Hospital in Malawi. *J Am Coll Surg*. 2018 Oct 1;227(4):S130.
24. Grudziak J, Snock C, Phiri TZ, **Gallaher JR**, Cairns BA, Charles AG. Pre-Existing Malnutrition Increases Operative Mortality in a Sub-Saharan Africa Burn Unit. *J Am Coll Surg*. 2017 Oct 1;225(4):S107.
25. **Gallaher JR**, Grudziak J, Msosa V, Cairns BA, Charles AG. Multi-Drug Resistance Colonization Is Associated with Increased Mortality Following Burn Injury in Sub-Saharan Africa. *J Am Coll Surg*. 2016 Oct 1;223(4):S69.
26. **Gallaher JR**, Grudziak J, Banza L, Cairns BA, Charles AG. Independent Effect of a New Surgical Residency Program on In-Hospital Trauma Mortality at a Sub-Saharan Africa Tertiary Center. *J Am Coll Surg*. 2016 Oct 1;223(4):S71.
27. Purcell LN, **Gallaher JR**, Cairns BA, Charles AG. Variations in Injury Characteristics in Pediatric Patients after Trauma: Pre-Hospital vs In-Hospital Deaths. *J Am Coll Surg*. 2016 Oct 1;223(4):S71-2.
28. Haac BE, **Gallaher JR**, Mabedi C, Charles AG. Task-Shifting: Use of Laypersons for Acquisition of Vital Signs Data for Clinical Decision-Making in the Emergency Room after Traumatic Injury. *J Am Coll Surg*. 2016 Oct 1;223(4):S70-1.

29. **Gallaher JR**, Mabedi CE, Cairns BA, Charles AG. Outcomes of peritonitis in Sub-Saharan Africa: an issue of access to surgical care. *J Am Coll Surg*. 2015 Oct 1;221(4):S87-8.
30. **Gallaher JR**, Mabedi CE, Cairns BA, Charles AG. An Age Old Problem: Geriatric Trauma in Sub-Saharan Africa. *J Am Coll Surg*. 2015 Oct 1;221(4):S86.
31. McMullan J, **Gallaher J**, Askew K, Zhang Z, Hoekstra J, Miller C. The Association between Frontal Plane QRS/T Angle and Short-term Adverse Events in ED Patients with Chest Pain: 285. *Academic Emergency Medicine*. 2009 Apr 1;16(4).

Oral Presentations (Presented and mentored)

1. An S, Kayange L, **Gallaher JR**, Charles AG. Health Center versus District Hospital Transfers Following Traumatic Injuries in Malawi. Oral (Quick Shot) presentation at the Academic Surgical Congress (ASC) Annual Scientific Meeting. Washington D.C. February 2024. Presentation given by Selena An.
2. Abid M, An S, Schneider A, **Gallaher JR**, Charles AG. Traumatic Gallbladder Injury and Mortality: A Propensity-Matched National Trauma Data Bank Study. Oral (Quick Shot) presentation at the Academic Surgical Congress (ASC) Annual Scientific Meeting. Washington D.C. February 2024. Presentation given by Mustufa Abid.
3. Abid M, An S, Schneider A, **Gallaher JR**, Charles AG. Self-Inflicted Injuries Among Adults: A Propensity-Matched National Trauma Data Bank Study. Oral (Quick Shot) presentation at the Academic Surgical Congress (ASC) Annual Scientific Meeting. Washington D.C. February 2024. Presentation given by Mustufa Abid.
4. An S, Smith C, Davis D, Schneider A, **Gallaher JR**, Tignanelli C, Charles AG,. Predictors of Functional Decline Among Critically Ill Surgical Patients. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, Massachusetts. October 2023. Presentation given by Charlotte Smith.
5. Peiffer S, Kayange L, An S, Davis D, Charles AG, **Gallaher JR**. Operative Intervention Should Be Prioritized for Flame Compared to Scald Burns in Resource-Limited Settings. Oral (Quick Shot) presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, Massachusetts. October 2023. Presentation given by Sarah Peiffer.
6. Davis D, An S, Kayange L, Wolfe L, Charles AG, **Gallaher JR**. The Timing of Operative Intervention for Pediatric Burn Patients in Malawi. Oral (Quick Shot) presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, Massachusetts. October 2023. Presentation given by Selena An.
7. An S, Kayange L, Davis D, Peiffer S, **Gallaher JR**, Charles AG. Predictors of Mortality Following Electrical and Lightning Injuries. Oral (Quick Shot) presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, Massachusetts. October 2023. Presentation given by Selena An.
8. Adams U, Schneider A, Charles AG, **Gallaher JR**. Pragmatic Injury Severity Scoring: A Comparison Of Real-time (MGAP) Versus Retrospective (ISS) Scoring In Trauma Mortality Prediction. Oral (Quick Shot) presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, Massachusetts. October 2023. Presentation given by Ursula Adams.
9. Davis D, An S, Kayange L, **Gallaher J**, Charles A. Predictors of Mortality Following Gunshot Wounds in Peacetime Malawi. Oral (quick-shot) presentation at the Academic Surgical Congress (ASC) Annual Scientific Forum. Houston, Texas. February 2023. Presentation given by Dylane Davis.
10. An S, Davis D, Kayange L, **Gallaher J**, Charles A. Predictors of Mortality Following Surgery for Perforated Peptic Ulcer Disease in Malawi. Oral (quick-shot) presentation at the Academic Surgical Congress (ASC) Annual Scientific Forum. Houston, Texas. February 2023. Presentation given by Selena An.
11. Yohann T, Kajombo, C, Purcell LN, Charles AG, **Gallaher JR**. Reallocation of Hospital Resources during COVIC-19 Pandemic and Effect on Trauma Outcomes in a Resource Limited Setting. Oral (Quick Shot) presentation at the American College of Surgeons (ACS) Annual Scientific Forum. San Diego, California. October 2022. Presentation given by Tali Yohann.

12. Abid M, Kayange L, Purcell LN, Charles AG, **Gallaher JR**. The Effect of COVID-19 on Burn Management and Outcomes in a Resource- Limited Setting. Oral (Quick Shot) presentation at the American College of Surgeons (ACS) Annual Scientific Forum. San Diego, California. October 2022. Presentation given by Mustafa Abid.
13. Yohann T, Kajombo C, Mulima G, **Gallaher JR**, Charles AG. Inter-hospital Transfer Delays To A Tertiary Referral Center And Postoperative Outcomes In Patients With Abdominal Surgical Emergencies In Malawi. Oral (quick-shot) presentation at the American College of Surgeons (ACS) Annual Scientific Forum. San Diego, California. October 2022. Presentation given by Tali Yohann.
14. Taylor J, Benefield T, Brown B, **Gallaher JR**, Charles A, McGinity, K. Trauma Imaging in a Resource-Poor Setting: Analysis of the Malawi Trauma Surveillance Registry. Oral (quick-shot) presentation at the Academic Surgical Congress (ASC) Annual Scientific Forum. Houston, Texas. February 2023. Presentation gives by Jordan Taylor.
15. Purcell LN, Kayange L, Charles AG, **Gallaher JR**. Are Surgeons Enough? The Relationship Between Increasing Surgical Demand and Access to Surgery in a Resource-limited Environment. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Laura Purcell.
16. Abid M, Schneider A, Purcell LN, Charles A, **Gallaher J**. Validating the Danger of Lap Belts in Blunt Small Bowel Trauma. *J Am Coll Surg*. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Mustafa Abid.
17. Herb J, Adams U, Akinkuotu A, **Gallaher JR**, Charles AG, Phillips MR. Cost-Effectiveness of Nonoperative Management vs Appendectomy for Acute Appendicitis in a Pediatric Population. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Josh Herb
18. Yohann AN, Purcell LN, Schneider AB, Charles AG, **Gallaher JR**. Head CT in Patients with Glasgow Coma Scale Score of 15 after Trauma: Who Needs It. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Avital Yohann.
19. An SJ, Kayange L, Purcell LN, **Gallaher JR**, Charles AG. Non-Ground Level Fall-Related Injuries and Seasonality in Malawi. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Selena An.
20. Adams U, Schneider AB, Purcell LN, Raff L, **Gallaher JR**, Charles AG. Drawing the Red Line: Mortality and Transfusion in Trauma Patients (National Trauma Data Bank Analysis). Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Ursula Adams.
21. Williams BM, Schneider A, **Gallaher JR**, Charles AG. Discharge to Rehabilitation after Traumatic Injury: A Propensity Matched Analysis of Racial and Ethnic Disparities. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Brittney Williams.
22. Herdman V, Purcell LN, Schneider AB, **Gallaher JR**, Charles AG. Prevalence of Reported Domestic Abuse Among Trauma Patients. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Victoria Herdman.
23. Williams BM, Thomas CL, Wang M, **Gallaher JR**, Charles AG, Mody GN. Implementation of Patient-Reported Outcomes Collection after Traumatic Injury: An Interim Analysis. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Brittney Williams.
24. Yohan AN, Kayange L, Purcell LN, **Gallaher JR**, Charles AG. Relationship Between Transfer Status and Risk of Mortality Following Traumatic Injury in a Resource-Limited Setting. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2021. Presentation given by Avital Yohann.
25. Robinson B, Purcell LN, Banda W, Williams B, Charles AG, **Gallaher JR**. Effect of Surgical Intervention on Mortality in Adult Burn Patients in a Resource-Poor Setting. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2020. Presentation given by Brittany Robinson.

26. Reiss R, Chise YJ, Purcell LN, Manjolo M, **Gallaher JR**, Charles AG. Mismatch of Surgical Intervention with Operative Capacity at the District Hospital-Level in a Resource-Poor Setting. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2020. Presentation given by Rachel Reiss.
27. **Gallaher JR**, Dixon A, Cockcroft A, Grey M, Dewey E, Goodman A, Schreiber M. "Massive Transfusion with Whole Blood is Safe Compared to Component Therapy." Oral presentation (quick-shot) at the Eastern Association for the Surgery of Trauma (EAST) Annual Scientific Conference. Orlando, FL. January 16, 2020.
28. **Gallaher JR**, Yohann A, Maine RG, Charles AG. Trends in Head Injury-Associated Mortality in Sub-Saharan Africa: Moving Beyond Surgical Workforce. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. San Francisco, CA. October 2019. Presentation given by Avital Yohann.
29. **Gallaher JR**, Maine R, Kajombo C, Varlea C, Reid T, Charles AG. "Diurnal Variation in Trauma Mortality in a Resource-Poor Tertiary Trauma Center in Sub-Saharan Africa." Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, MA. October 2018
30. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the National Committee on Trauma National Paper Competition. San Antonio, TX. March 8, 2018. Clinical Paper Second Place Winner.
31. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the Academic Surgical Congress Annual Conference. Jacksonville, FL. February 2018.
32. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the College of Surgeons of East, Central and Southern Africa (COSECSA) Annual Scientific Conference. Maputo, Mozambique. December 2017.
33. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the Region IV Committee on Trauma Paper Competition. Biloxi, Mississippi. November 17, 2017. Clinical Paper Winner.
34. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the NC/SC ACS Chapter Meeting Trauma Competition. Pinehurst, NC. July 14, 2017.
35. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, "The Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center." Oral presentation at the National Committee on Trauma National Paper Competition. Washington, D.C. March 2, 2017.
36. **Gallaher JR**, Mulima G, Shores C, Charles AG. "The Effect of a Centralized Blood Banking Policy on Blood Product Availability in Sub-Saharan Africa." Quick shot oral presentation at the Academic Surgical Congress Annual Conference. Las Vegas, NV. February 2017.
37. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, "The Independent Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center." Oral presentation at the Region IV Committee on Trauma Paper Competition. Louisville, KY. November 12, 2016. Clinical Paper Winner.
38. **Gallaher JR**, Grudziak J, Msoa V, Cairns BA, Charles AG. "Multi-Drug Resistance Colonization Is Associated with Increased Mortality Following Burn Injury in Sub-Saharan Africa." Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Washington, D.C. October 2016.
39. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, "The Independent Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center." Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Washington, D.C. October 2016.
40. **Gallaher JR**, Grudziak J, Banza L, Cairns BA, Charles AG, "The Independent Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center." Oral presentation at the NC/SC American College of Surgeons (ACS) Chapter Meeting. Myrtle Beach, SC, July 2016.

41. **Gallaher JR**, Mulima G, Qureshi J, Shores C, Cairns BA, Charles AG, “The Role of Endoscopy After Upper Gastrointestinal Bleeding in Sub-Saharan Africa: A Prospective Study.” Oral presentation at the Academic Surgical Congress Annual Conference. Jacksonville, Florida. February 2016.
42. **Gallaher JR**, Mjuweni S, Cairns BA, Charles AG, “Timing of Early Excision and Grafting following Burn Injury in Sub-Saharan Africa.” Oral presentation at the Frederick A. Collier Surgical Society Annual Conference. Amelia Island, Florida. October 2015.
43. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “An Age Old Problem: Geriatric Trauma in Sub-Saharan Africa.” Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Chicago, IL. October 2015.
44. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “Outcomes of Peritonitis in Sub-Saharan Africa: An Issue of Access to Surgical Care.” Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Chicago, IL. October 2015.
45. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “Injury Characteristics and Outcomes in Elderly Trauma Patients in Sub-Saharan Africa.” Oral presentation at the NC/SC American College of Surgeons (ACS) Chapter Meeting. Pinehurst, NC. July 2015.
46. **Gallaher JR**, Mjuweni S, Cairns BA, Charles AG, “Timing of Early Excision and Grafting following Burn Injury in Sub-Saharan Africa.” Oral presentation at the College of Surgeons of East, Central and Southern Africa (COSECSA) Annual Scientific Conference. Dar es Salaam, Tanzania. December 2014.

Mentored Poster Presentations

1. Smith C, Schneider A, Reid T, Johnson D, Charles AG, **Gallaher JR**. Racial and Ethnic Disparities in Discharge Planning Among Trauma Patients in the United States. E-poster presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, Massachusetts. October 2023. Poster presentation by Charlotte Smith.
2. An S, Davis D, Peiffer S, **Gallaher JR**, Tignanelli C, Charles AG. Delirium in Critically Ill Surgical Patients: A Propensity-Matched Study. E-poster presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, Massachusetts. October 2023. Poster presentation by Selena An.
3. Lupo R, Lavin K, Lau W, Olm-Shipman C, **Gallaher J**, Raff L, Schneider A, Charles AG, Reid TD. Screening tool to increase Palliative Care Utilization in the Surgical Intensive Care Unit (SICU): A Quality Improvement Project. American College of Surgeons. Boston, MA. Oct 25, 2023. Poster presentation by Ryan Lupo.
4. Crespo-Regalado R, Raff L, Schneider AB, Boone J, Butler LR, Perez D, Holloway A, **Gallaher JR**, Charles AG, Reid TD. Outcomes in obese veno-venous extracorporeal membrane oxygenation: a systematic review. American College of Surgeons. Boston, MA. Oct 23, 2023. Poster presentation by R. Crespo-Regalado.
5. Crespo-Regalado R, Schneider AB, Reid TD, **Gallaher JR**, Charles AG, Raff L. The effect of Body Mass Index (BMI) on mortality for veno-venous extracorporeal membrane oxygenation (V-V EMCO) in acute respiratory failure. American College of Surgeons. Boston, MA. Oct 23, 2023. Poster presentation by R Crespo-Regalado.
6. Burton V, Schneider A, Raff L, Reid T, Eckert M, Charles AG, **Gallaher JR**. The Effect Of Angioembolization Versus Open Exploration For Moderate To Severe Blunt Liver Injuries On Mortality. E-poster presentation at the American College of Surgeons (ACS) Annual Scientific Forum. San Diego, California. October 2022. Poster presentation given by Trista Reid.
7. Rouan J, **Gallaher JR**, Raff L, Reid Tr, Purcell LN, Eckert M, Charles AG, Schneider A. Intracranial Pressure Monitoring Following Severe Traumatic Brain Injury: Trends and Outcomes. E-poster presentation at the American College of Surgeons (ACS) Annual Scientific Forum. San Diego, California. October 2022. Poster presentation given by Jessica Rouan.

Other Research Activities

1. ReverXaL Multi-Institutional Study
UNC Site PI
July 2024 – Present (Expected to complete in June 2025)

International, observational, multi-site study sponsored by AstraZeneca to examine practice patterns and clinical outcomes of patients with traumatic bleeding while taking a FXa inhibitor.

TEACHING ACTIVITIES

Graduate Teaching

1. Full-time co-instructor. PUBH 701: Cost-Effectiveness in Health and Medicine. Spring 2023. Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Approximately 10 students.
2. Full-time co-instructor. PUBH 701: Cost-Effectiveness in Health and Medicine. Spring 2022. Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Approximately 15 students.
3. Full-time co-instructor. PUBH 701: Cost-Effectiveness in Health and Medicine. Spring 2021. Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Approximately 15 students.
4. Full-time co-instructor. PUBH 701: Cost-Effectiveness in Health and Medicine. Spring 2020. Gillings School of Global Public Health, University of North Carolina at Chapel Hill. Approximately 15 students.

Resident Education Responsibilities

July 2021 – Present Resident Journal Club Faculty Mentor

Grand Rounds Lectures

1. “Moving Beyond Mission Trips: The Role of Academia in Global Surgery.” Departmental Grand Rounds. Department of Otolaryngology. University of North Carolina at Chapel Hill. October 26, 2022.
2. “ECMO and COVID-19: The Final Frontier in Life or Death.” Departmental Grand Rounds. Department of Anesthesia. University of North Carolina at Chapel Hill. December 29, 2021.
3. “Moving Beyond Mission Trips: The Role of Academia in Global Surgery.” Departmental Surgical Education Conference. WakeMed Hospital, Department of General Surgery and Trauma. Raleigh, NC. January 15, 2021.
4. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” Departmental Grand Rounds. Department of Anesthesia. University of North Carolina at Chapel Hill. June 17, 2020.

Invited Lectures (other)

1. “Blood, Guts, and Coumadin: Managing Anticoagulation Reversal in Patients with Traumatic Injury.” Annual UNC May Day Trauma Conference. May 2, 2023.
2. Statewide Trauma Patient Management Conference (Virtual). North Carolina Committee on Trauma. Invited Expert Panel. January 25, 2022.
3. “COVID-19: Working at the Intersection of Intervention and Public Health.” Living and Learning International: Washington DC Study Tour | Public Health and Social Justice. December 15, 2020.

Resident and Fellow Education Lectures (average 25 residents)

1. Surgical Critical Care Fellowship Lecture. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” University of North Carolina Hospital. Chapel Hill, NC. August 22, 2023.
2. General Surgery Resident Conference. “Appendicitis and Diverticulitis.” University of North Carolina Hospital. Chapel Hill, NC. May 17, 2023.
3. General Surgery Resident Conference. “Chest Trauma.” University of North Carolina Hospital. Chapel Hill, NC. February 1, 2023.
4. General Surgery Junior Resident Conference. “Post-operative complications.” University of North Carolina Hospital. Chapel Hill, NC. August 17, 2022.
5. Neurocritical Care Fellowship Lecture. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” University of North Carolina Hospital. Chapel Hill, NC. May 19, 2022.
6. Surgical Critical Care Fellowship Lecture. “IV Fluid Resuscitation.” University of North Carolina Hospital. Chapel Hill, NC. September 14, 2021.
7. General Surgery Senior and Junior Resident Conference. “Chest Trauma.” University of North Carolina Hospital. Chapel Hill, NC. August 25, 2021.
8. Surgical Critical Care Fellowship Lecture. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” University of North Carolina Hospital. Chapel Hill, NC. March 2, 2021.
9. Neurocritical Care Fellowship Lecture. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” University of North Carolina Hospital. Chapel Hill, NC. January 21, 2021.
10. Surgical Critical Care Fellowship Lecture. “IV Fluid Resuscitation.” University of North Carolina Hospital. Chapel Hill, NC. January 19, 2021.
11. General Surgery Junior Resident Conference. “Appendicitis and Diverticulitis.” University of North Carolina Hospital. Chapel Hill, NC. November 11, 2020.
12. Emergency Medicine Resident Conference. “The Use of Whole Blood in Trauma.” University of North Carolina Hospital. Chapel Hill, NC. February 19, 2020.
13. General Surgery Junior Resident Conference. “Abdominal Trauma.” University of North Carolina Hospital. Chapel Hill, NC. January 29, 2020.
14. General Surgery Junior Resident Conference. “Absite Review.” University of North Carolina Hospital. Chapel Hill, NC. January 9, 2020.
15. General Surgery Junior Resident Conference. “Chest Trauma.” University of North Carolina Hospital. Chapel Hill, NC. December 11, 2019.

Medical Student Education

1. Invited Faculty Guest Content Expert, “Howard Holderness Seminar: “Antibiotics versus Appendectomy for Acute Appendicitis.” January 25, 2024. Holderness Distinguished Scholars’ Program. Approximately 4 students.
2. Invited Faculty Guest Content Expert, “An Introduction to Cost-Effectiveness Analysis.” December 16, 2021. CardioThoracic Surgery Clinical Outcomes Research Experience (CTSCORE). Approximately 10 students.
3. Invited Faculty Guest Content Expert, “Howard Holderness Seminar: “Antibiotics versus Appendectomy for Acute Appendicitis.” August 19, 2021. Holderness Distinguished Scholars’ Program. Approximately 10 students.

TRAINEES

Mentoring Experience (Research)

Name	Dates	Awards/Grants/Projects
<u>Master’s Students (MPH)</u>		
1. Harlee Johnston	6/2024 – 8/2024	Master’s Paper

2. Liz Nazzal	5/2024 – 8/2024	Master's Paper
3. Jaclyn Portelli Tremont	4/2022 – 8/2022	Master's Paper
4. Kelli Hicks	11/2021 – 12/2021	Master's Paper
5. Richard Erali	2/2021 – 8/2021	Master's Paper and Practicum
6. Stephanie Jensen	1/2020 – 6/2020	Master's Paper and Practicum

Medical Students

1. Charlotte Smith Elective	1/2024 – 5/2024	UNC Medical Student Research
2. Alexa Holloway	6/2020 – 6/2021	UNC Medical Student Summer Research Project Grant. Grant: T35-DK007386 (NIH)

Post-doctoral Fellows

1. Mustafa Abid, MD	7/2023 – 6/2025	NRSA T-32 Research Grant
2. Selena An, MD, MSPH	7/2022 – 6/2024	Fogarty Int. Research Fellowship
3. Avital Yohann, MD, MPH	7/2020 – 6/2022	Fogarty Int. Research Fellowship
4. Brittney Williams, MD, MPH	9/2019 – 6/2021	Fogarty Int. Research Fellowship
5. Laura Purcell, MD, MPH	9/2019 – 6/2020	Fogarty Int. Research Fellowship

GRANTS

Current Research Grants

01/01/24 – 9/29/25	Co-Investigator 5% Effort. Expert on surgical and extracorporeal membrane oxygenation (ECMO) services. Regional Emerging Special Pathogen Treatment Center (RESPTC) Administration for Strategic Preparedness and Response (ASPR) Grant, United States Department of Health & Human Services \$4,200,000 total (09/30/23 – 09/29/25, grant renewed annually)
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Current Industry Grants

09/01/19 – 12/31/24	Co-Investigator 10% Effort. Co-director of Malawi Surgical Initiative, which administers and supervises grant activity in Malawi. Johnson and Johnson Africa Foundation. “Malawi Burn and Surgical Outreach.” \$3,500,000 total (11/2011 – 12/2024, grant renewed annually)
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PROFESSIONAL SERVICE

National Committees

02/2023 – 02/2026	Association for Academic Surgery Global Affairs Committee Member (Elected)
10/2022 – Present	American Association for the Surgery of Trauma (AAST) Education Committee Associate Member

State Committees

11/2022 – Present NC American College of Surgeons
Committee on Trauma Research Committee
Member

National Conference Responsibilities

03/2024 American College of Surgeons
2024 Owen H. Wangenstein Forum, Annual Scientific Forum
Ad Hoc Reviewer

02/2024 Academic Surgical Congress, Washington D.C.
Global Surgery QuickShot Session

02/2021 Academic Surgical Congress, Virtual
Clinical/Outcomes General Surgery and Trauma/Critical Care QuickShot
Session

Journal Responsibilities

10/2023 – Present Trauma Surgery & Acute Care Open, Reviewer Mentoring Program

Reviewer:

- Surgery
- Burns
- Journal of Surgical Research
- JAMA Surgery
- Surgery
- The American Surgeon

UNC Institutional Service

01/2022 – Present Member, Department of Surgery Compensation Committee
11/2020 – 11/2022 Member, Carolina Antimicrobial Stewardship Program Committee

Membership in National Professional Organizations

September 2019 – present Active Member, Association for Academic Surgery
September 2019 – present Active Member, Eastern Association for the Surgery of Trauma (EAST)
September 2022 – present Associate Member, American Association for the Surgery of Trauma
(AAST)

RESEARCH STATEMENT

My research focuses on delivering surgical care in three domains: global health, clinical sciences, and public health. Funding for my global health work has come primarily through industry support from the Johnson & Johnson Africa Foundation, renewed annually since 2011. In addition, the Fogarty International Research Fellowship program has supported most of our research fellows.

I was also recently appointed the Director of Research for the UNC Division of Trauma and Acute Care Surgery, where I coordinate divisional grant applications and research in the US and globally. As part of this, I was added as a co-investigator to the Regional Emerging Special Pathogen Treatment Center

(RESPTC) Grant, where I will focus on evidence-based protocol development for surgical and ECMO care in patients with emerging pathogens such as Avian Flu and Ebola.

1. **Global Health and Trauma.** This work has focused on clinical outcomes of trauma and burn patients treated in Malawi and innovative methods for estimating the burden of disease associated with injury. I developed a novel trauma scoring system, the Malawi Trauma Score (MTS), designed for use in a resource-poor environment. I have published extensively on burn injury, trends in head injury, and the differences between trauma patients presenting during the day and nighttime in sub-Saharan Africa.
 - a. **Gallaher JR**, Yohann A, Purcell LN, Kumwenda KK, Charles A. Trends in head injury associated mortality in Malawi. *Injury*. 2021 May;52(5):1170-1175.
 - b. **Gallaher JR**, Varela C, Purcell LN, Maine R, Charles A. Diurnal variation in trauma mortality in sub-Saharan Africa: A proxy for health care system maturity. *Injury*. 2020 Jan 1;51(1):97-102.
 - c. **Gallaher JR**, Banda W, Robinson B, Purcell LN, Charles A. Access to Operative Intervention Reduces Mortality in Adult Burn Patients in a Resource-Limited Setting in Sub-Saharan Africa. *World J Surg*. 2020 Nov;44(11):3629-35.
 - d. **Gallaher J**, Jefferson M, Varela C, Maine R, Cairns B, Charles A. The Malawi trauma score: A model for predicting trauma-associated mortality in a resource-poor setting. *Injury*. 2019 Sep 1;50(9):1552-7

2. **Global Health Resource Utilization.** A second aspect of my global health research has been investigating how resources are used in a low-income country to treat trauma and emergency general surgery patients. This has included research in trauma care during the COVID-19 pandemic, how system deficiencies affect trauma mortality, and an analysis of how operative capacity has been underutilized at a nearby district hospital. As a resident, I also published a commentary in *Lancet Global Health* examining sub-Saharan Africa's current blood banking policy.
 - a. **Gallaher JR**, Yohann A, Kajombo C, Schneider A, Purcell L, Charles A. Reallocation of Hospital Resources During COVID-19 Pandemic and Effect on Trauma Outcomes in a Resource-Limited Setting. *World J Surg*. 2022 Jun 26.
 - b. **Gallaher J**, An SJ, Kayange L, Davis D, Charles A. Tri-modal Distribution of Trauma Deaths in a Resource-Limited Setting: Perception Versus Reality. *World J Surg*. 2023 Jul;47(7):1650-1656.
 - c. **Gallaher JR**, Chise Y, Reiss R, Purcell LN, Manjolo M, Charles A. Underutilization of Operative Capacity at the District Hospital Level in a Resource-Limited Setting. *J Surg Res*. 2020 Dec 3;259:130-136.
 - d. **Gallaher JR**, Mulima G, Kopp D, Shores CG, Charles AG. Consequences of centralised blood bank policies in sub-Saharan Africa. *The Lancet Global Health*. 2017 Feb 28;5(2):e131-2.

3. **Clinical Outcomes for Acute Care Surgery Patients in the United States.** I also investigate clinical outcomes for acute care surgery patients, including trauma, general surgery, and critical care. I have published work on resource utilization and management in trauma care using a national database. I have also published work on extracorporeal membrane oxygenation (ECMO) for patients with COVID-19 using institutional data from North Carolina. Lastly, I recently authored a review on Acute Cholecystitis management in *JAMA*.
 - a. **Gallaher J**, Burton V, Schneider AB, Reid T, Raff L, Smith CB, Charles A. The Effect of Angioembolization Versus Open Exploration for Moderate to Severe Blunt Liver Injuries on Mortality. *World J Surg*. 2023 May;47(5):1271-1281.
 - b. **Gallaher JR**, Charles A. Acute Cholecystitis: A Review. *JAMA*. 2022 Mar 8;327(10):965-975.
 - c. **Gallaher J**, Yohann A, Schneider AB, Raff L, Reid T, Charles A. The Use of Head Computerized Tomography in Patients with GCS 15 following Trauma: Less is More. *Injury*. 2022 May;53(5):1645-1651.
 - d. **Gallaher J**, Raff L, Schneider A, Reid T, Miller MB, Boddie O, Charles A. The role of ECMO in COVID-19 acute respiratory failure: Defining risk factors for mortality. *Am J Surg*. 2023 Jun;225(6):1096-1101.

TEACHING STATEMENT

Teaching in a clinical environment presents unique challenges for both the educator and the learner and provides opportunities for teaching via different modalities. I primarily teach through the following domains:

Resident and Medical Student Education

Surgical resident education takes place in both didactic and clinical forms. I regularly teach residents in formal lectures for didactics as part of their weekly surgical education and through review courses for their yearly in-service examinations. I also teach surgical critical care fellows regularly through our weekly didactic sessions. In addition to resident education, I have served as an invited lecturer for medical students through the CTSCORE and the Holderness Distinguished Scholars' Program. Since July 2021, I have also been the faculty mentor for the surgery resident journal club. This includes selecting papers for presentation, mentoring resident presentations, and moderating a monthly journal club with residents and medical students. In 2021, I also mentored a student through UNC Medical Student Summer Research Project Grant, completing a poster presentation and a manuscript (T35-DK007386-NIH). Lastly, as part of my responsibilities through the Malawi Surgical Initiative (MSI), I also co-mentor surgery residents completing a research fellowship, focusing on data analysis and manuscript development.

I also educate both residents and students through clinical practice. This presents a unique challenge where the procedural risks for the patient must be weighed against the educational benefit to the surgical trainee. Consequently, one of the most important aspects of surgical education is that teaching surgeons are present and engaged while advocating for the patient's well-being and their trainees. I address this challenge in two ways. First, I work hard to set a good example through my conversations with patients, interactions with staff, and how I approach clinical problems in diagnosis or the operating room. Second, I use these clinical scenarios to teach the principles of surgery to my trainees at any level. For residents, this could involve thinking through possible procedural complications or reviewing published management guidelines, while for a medical student, we would review physiology or the fundamentals of diagnosis. Clinical teaching occurs regularly throughout the year. My teaching has been recognized with three awards as a faculty member: Rookie of the Year Faculty Award, chosen by the chief residents (2020), Outstanding Resident Teaching Award (2020), and the Outstanding Medical Student Teaching by Faculty Award (2023).

Gillings School of Global Public Health

In addition to my teaching at the School of Medicine, I have an adjunct appointment at the Gillings School of Global Public Health. I co-teach a course each spring with Dr. Cindy Feltner that introduces cost-effectiveness research in medicine (PUBH 701: Cost-Effectiveness in Health and Medicine). I am a full-time co-instructor in this course, which includes giving weekly lectures, mentoring student projects, and grading assignments. I have taught this course each spring for four of the last five years and will teach again this spring. I also mentor master's projects for students in the program each spring and summer.

Other Teaching Opportunities

Lastly, I have given several invited lectures as a faculty mentor. These include Grand Rounds lectures for the Department of Anesthesia at UNC, the Department of Otolaryngology at UNC, and the General Surgery Department at Wake Med in Raleigh, NC. I have been an invited faculty speaker at the Annual UNC May Day Conference.