

Curriculum Vitae

Susan I. Brundage, MD, MPH, FACS, FRCPSG

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Contact Information

Business Address: SI Brundage, MD, MPH, FACS, FRCPSG
Professor of Surgery
R Adams Cowley Shock Trauma Center
University of Maryland School of Medicine
22 S. Greene Street
Baltimore, MD USA 21201

Email: sbrundage@som.umaryland.edu

Education

1986 B.S., Biology, Stanford University, (Honors)
1990 M.D., University of Iowa College of Medicine
1998 M.P.H., University of Washington

Post Graduate Education and Training

1990-1991 Internship, University of California at San Francisco, San Francisco, CA.
1991-1996 Residency, General Surgery, George Washington University, Washington, D.C.
1996-1998 Fellowship, Trauma and Surgical Critical Care, Harborview Medical Center, University of Washington, Seattle, WA.

Medical Licensure

1994 Active, California
2017 Active, United Kingdom
2020 Active, Maryland

Certifications

1993 Federation Licensing Examination – FLEX
2000-Present American Board of Surgical Critical Care - Board Certification
2000-Present American Board of General Surgery - Board Certification
2001-Present Fellow - American College of Surgeons (ACS)
2015-Present Advanced Trauma Life Support Instructor (ATLS) - RCS England
2016-Present Fellow - Royal College of Physicians and Surgeons Glasgow

Professional Society Memberships

1998-Present Member, Association for Academic Surgeons (AAS)
2001-Present Member, Western Trauma Association (WTA)
2001-2012 Member, WTA Multicenter Trial Committee
2002-Present Member, American Association for the Surgery of Trauma (AAST)
2003-Present Member, Eastern Association for the Surgery of Trauma (EAST)
2003-2013 Member, Society of University Surgeons (SUS)
2004-2005 Member, AAS Program Committee
2005-2005 Member, AAS Audit Committee
2005-2006 Chair, AAST Financial Committee
2007-2009 Member, AAST Multicenter Trials Committee
2008-2011 Member, SUS Membership Committee
2009 Member, WTA Nominating Committee
2009-2013 Board of Directors, Society for International Humanitarian Surgeons OverSeas
2010-2012 Member, WTA Publications Committee
2016-2022 Member, AAST International Relations Committee
2017-Present Member, International Association for Trauma Surgery & Intensive Care (IATSIC)
2018-Present European Society for Trauma and Emergency Surgery (ESTES), Member
2021-Present ESTES Visceral Trauma Committee, Member
2023-2025 Vice-Chair, ESTES Visceral Trauma Committee
2023-Present ESTES Advisory Council
2025-Present Chair, ESTES Visceral Trauma Committee
2025-Present ESTES Executive Board

Employment History

Academic Appointments

1996-1998 Clinical Instructor, University of Washington/Harborview Medical Center,
Department of Surgery, Seattle, WA USA
1997-1998 Representative, Surgical Critical Care Quality Improvement Advisory Board University
of Washington School of Medicine/Harborview Medical Center, Seattle, WA
1998-2002 Assistant Professor, Tenure Track Line, Baylor College of Medicine,
Department of Surgery, Houston, TX USA
1998-2001 Director; Emergency Center Surgical Services Ben Taub General Hospital Baylor
College of Medicine Department of Surgery, Houston, TX USA
2002-2009 Associate Professor, Medical Center Line, Department of Surgery
Stanford University Medical Center, Stanford, CA USA
2006-2009 Director; Stanford Trauma Quality Improvement Program
Stanford University Medical Center, Stanford, CA USA
2007-2009 Associate Director Trauma Services, Stanford University Medical Center. Stanford, CA
2009-2011 Associate Professor, Clinical, Department of Surgery New York University Medical
Center, NYU School of Medicine, New York, NY USA
2011-2012 Professor, Clinical, Department of Surgery New York University Medical Center, NYU
School of Medicine, New York, NY USA

- 2009-2012 Director; Acute Care Surgery and Surgical Intensive Care Unit, New York University. Medical Center, NYU School of Medicine, New York, NY USA
- 2013-2013 Consulting Professor, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, Blizard Institute, Centre for Trauma Sciences, London UK
- 2014-2017 Lead for Postgraduate Education Barts and The London School of Medicine, Queen Mary University of London, London UK
- 2013-2020 Director; International Masters in Trauma Sciences Suite of Programmes, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, Blizard Institute, Centre for Trauma Sciences, London UK
- 2013-2025 Professor and Chair of Trauma Education, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, Blizard Institute, Centre for Trauma Sciences, London UK
- 2020-Present Clinical Professor of Surgery, Department of Surgery, R Adams Cowley Shock Trauma Center, University of Maryland School of Medicine, Baltimore, MD USA

Locum Tenens

- 2012-2013 Locum Tenens → Full Faculty Appointment
Trauma Surgeon East Texas Medical Center – ETMC Tyler

Administrative Service

Institutional Service

- 2008-2008 Advisor Editor, World Health Organization - WHO Guidelines: Trauma Quality Improvement Programmes Violence and Injury Prevention
- 2009-2013 Society for International Humanitarian Surgeons Board of Directors - Surgeons Overseas
- 2011-2012 Director, Surgical Intensive Care Unit New York University Medical Center Department of Surgery
- 2014-2017 Lead for Postgraduate Education Barts and The London School of Medicine QMUL - The Blizard Institute Queen Mary University of London

Teaching Service

Medical Student Teaching

- 1997-Present Research Mentor; Medical Students, and Undergraduate Students
- 1997-Present Academic Faculty with Teaching Responsibilities for Medical Students

Resident and Fellow Teaching

- 1997-Present Research Mentor; Surgical Fellows and Residents
- 1997-Present Academic Faculty with Teaching Responsibilities for General Surgical Residents, Fellows, and Medical Students

Post-Graduate Teaching

2004-2009	Lead Author; Stanford University Surgical Critical Care Fellowship Program Information Form (PIF Application) for Accreditation of Council of Graduate Medical Education in Research. Approved. Faculty Mentor for Surgical Critical Care Fellows at Stanford University Critical Care Fellowship
2004-2019	Faculty; Association for Academic Surgery Educational Courses - Currently active in International Fundamentals of Surgical Research and Career Development Courses. (Active in past in US National courses)
2013-2017	QMUL / Blizard Institute Postgraduate Education Lead, Barts and The London School of Medicine and Dentistry, London, UK
2013-2025	Professor of Trauma Education, Director - International Masters in Trauma Sciences Suite of Programmes, Barts and The London School of Medicine and Dentistry, QMUL, London, UK

Additional Relevant Activities

Professional Service

1996-1998	Mentor, University of Washington Medical Student Research Fellowship
1997-1998	Quality Improvement and Outcomes Management Surgical Critical Care Advisory Board Harborview Medical Center University of Washington.
1997-1998	American College of Surgeons, Vice-Chairman Committee on Trauma Washington State Chapter
1998-2002	Faculty, Baylor College of Medicine General Surgery Residency Program Basic Science Series
1998-2003	Faculty, Baylor College of Medicine Medical Student Surgery Core Curriculum
1999-2002	Faculty, Baylor College of Medicine General Surgery Residency Leadership Skills Series
2001-2002	Faculty, Baylor College of Medicine NIH Clinical Scientist Training Program Grant NIH 5K30HL004107-03
2001-2002	PhD Advisory Committee, Baylor College of Medicine NIH Clinical Scientist Training Program Grant NIH 5K30HL004107-03
2003-2003	Deschappelles, Haiti Ben Taub General Hospital, Houston, Texas Director, Emergency Center Surgical Services
2004-2004	Department of Surgery Elective Rotations
2004-2004	Hospital Albert Schweitzer
2005-2005	Stanford University Faculty Mentor
2005-2005	American College of Surgeons Judge Committee on Trauma, Region IX Competition.
2009	Invited Reviewer, Centers for Disease Control
2005-Present	Journal of Surgical Research Ad Hoc Referee

2005-2009 Stanford University Medical Center Lead Author
Program Information Form (PIF) Faculty Mentor
Stanford, CA Surgical Critical Care Fellowship

2006-2006 American College of Surgeons Coordinator/Host Committee on Trauma, Region IX
Competition. Injury Control and Research Grants

2006-2006 American Board of Surgery Associate Examiner

2006-2007 Stanford Surgical Intensive Care Unit (SICU) Project Leader
Program Documentation Development Team
Developed Comprehensive Documentation
Adherent to Compliance and Coding Standards

2006-2009 Stanford University Medical Center Director Trauma Quality Improvement Program
Stanford, CA

2006-Present Journal of the American College of Surgeons Ad Hoc Referee

2006-Present Journal of Trauma Reviewer

2007-2009 Katherine McCormick Fellowships and Travel Award Committee

2007-2009 Stanford University Diversity Award Committee

2007-2009 Stanford University Medical Center Associate Director Trauma Services, Stanford, CA

2008 Invited Reviewer, Centers for Disease Control Injury Control and Research Center
Grants, Atlanta, Georgia.

2008 Invited External Examiner; University of Cape Town Masters in Public Health
Program. Dissertation "Selective Non-Operative Management of Abdominal Gunshot
Wounds at Groote Schuur Hospital: A Cohort Study on Clinical Outcomes and
Financial Costs."

2008 World Health Organization, Advisor Division of Violence and Injury Prevention,
Geneva, Switzerland Co-Editor: WHO Guidelines for Trauma Quality Improvement
Programmes.

2008-2009 Invited Academic Advisor; Office of Undergraduate Affairs
Stanford University Freshmen Class of 2012

2008-2010 American College of Surgeons Vice-Chairman Committee on Trauma
Northern California State Chapter

2008-Present Surgery Ad Hoc Referee

2009 Invited Reviewer, Centers for Disease Control
Injury Control and Research Grants, Atlanta, Georgia. March 19, 2009

2009-2013 Board of Directors, Society for International Humanitarian Surgeons
Surgeons OverSeas New York, NY

2010-2012 Faculty Advisor – 4th Year Medical Students NYU School of Medicine

2010-2013 Study Section Appointment - Centers for Disease Control, CDC
Injury Research and Prevention Initial Review Group (IRG)

2012-Present World Journal of Surgery Reviewer

2013-Present Editorial Board – Journal of Trauma and Acute Care Surgery

2015-Present British Journal of Surgery Reviewer

2019 Invited External Examiner; Stellenbosch University PhD Program Thesis: "Multi-Level
System Assessment of The Ghanaian Emergency, Trauma, And Surgical Care System:
A Roadmap for Development." Stellenbosch, South Africa

2020 Invited External Examiner; University of KwaZulu Natal School of Clinical
Medicine PhD Program Thesis: "An Evaluation of the Evolution and Current
Management of Penetrating Neck Injuries." Pietermaritzburg, South Africa

2025 Invited External Examiner, Assessment Committee, First Opponent;
University of Bergen PhD Program Thesis; "Health preparedness for mass casualty incidents and disasters - prospective methods in a Norwegian context." Bergen, Norway

Honors and Awards

1985 Stanford University Vice-Provost for Undergraduate Research Grant
1994 Pfizer Pharmaceuticals Research Grant
1998-2004 Medic One Foundation Grant
1999-2001 Centers for Disease Control Traumatic Brain Injury
Outcomes Grant, Co-Investigator 5RO1 NS21889-18
2000-2001 Efficacy of rHuEPO in the Critically Ill Patient: A Randomized,
Double Blind, Placebo Controlled Trial: Ortho-Biotech
2001-2003 National Institutes of Health, Mentored Clinical Scientist Development Award Primary
Investigator 1K12 HD01426-01/05
2002-2003 Stanford Vice-Provost for Undergraduate Research Grant.
Impact of Recombinant Interleukin-6 on Intestinal Cytokine Production.
2002-2003 American Association for the Surgery of Trauma (AAST)
Research and Education Foundation Scholarship Award
2003-2004 Stanford Vice-Provost for Undergraduate Research Grant.
Analysis of the Mechanism by which Recombinant Interleukin-6 Protects Against
Dysfunctional Inflammation.
2005 Stanford University Excellence in Teaching Award in Recognition of Significant
Contributions to Medical Student Education
2006-2007 Stanford University Physician Leadership Development Program
2010-2013 Centers for Disease Control, CDC Study Section Appointment
Injury Research and Prevention Initial Review Group (IRG)
2019 Queen Mary University of London. Inaugural Excellence in Education Award.
University Wide Faculty Education Prize. Awarded for the development, successes, and
superior student feedback for an international blended E-learning Postgraduate Program
in Trauma Sciences

PUBLICATIONS

Peer-Reviewed Manuscripts

1. Fahnestock M, **Brundage SI**, Shooter EM. The Sequence of A cDNA Clone Coding for A Novel Kallikrein From Mouse Submaxillary Gland. *Nucleic Acids Research*. 1986. 14: 4823-4835.
2. Smith EM, Johnson SR, Liang D, Zaleski S, Lynch C, **Brundage SI**, Anderson RA, Turek LP. Pregnancy and HPV Prevalence. *Cancer Detection and Prevention*. 1991. 15: 397-402.
3. **Brundage SI**, Block MA, Billingsley K, Alexander HR. Role of Leukemia Inhibitory Factor in Experimental Sepsis. *Surgical Forum, Supplement to The Journal of the American College of Surgeons*. 194. Vol. 45. 1-3.
4. Al-Ahmade M, **Brundage SI**, Brody F, Jacobs L, Sackier, JM. Splenosis of the Mesoappendix: Case Report and Review of the Literature. *J R Coll Surg Edinb*. 1998. 43(3): 200-202.
5. **Brundage SI**, Harruff R, Jurkovich GJ, and Maier RV. The Epidemiology of Thoracic Aortic Injuries in Pedestrians. *Journal of Trauma*. 1998. 45(6): 1010-14.

6. **Brundage SI**, Harruff R, Jurkovich GJ, and Maier RV. The Epidemiology of Thoracic Aortic Injuries in Pedestrians. *Journal of Trauma*. 1998. 45(6): 1010-14.
7. Karmy-Jones R, Vallieres E, Kralovich K, Gasparri M, Sorenson VJ, Horst HM, Patton JH, Wagner J, Wood D, **Brundage SI**, Obeid FN. A Comparison of Rigid Versus Video Thoracoscopy in the Management of Chest Trauma. *Injury*. 1998. 29(9): 665-659.
8. Keenan HT, **Brundage SI**, Maier RV, Rivara FP. Does the Face Protect the Brain: A Case Control Study of Traumatic Brain Injury and Facial Fractures. *Archives of Surgery*. 1999. 134(1): 14-17.
9. **Brundage SI**, CD Mack, Tong TC, Grossman D, Jurkovich GJ, Maier RV. Stapled versus Sutured Gastrointestinal Anastomoses in the Trauma Patient. *Journal of Trauma*. 1999. 47(3): 500-508.
10. Arbabi S, **Brundage SI**, Gentilello LM. Near Infrared Spectroscopy: Continuous Transcutaneous Monitoring of Skeletal Muscle Oxygen Saturation for Detection of Compartment Syndrome in Critically Injured Patients. *Journal of Trauma*. 1999. 47(5): 829-833.
11. Holmes JH, **Brundage SI**, Yuen PC, Hall RA, Maier RV, Jurkovich GJ. Complications of Surgical Feeding Jejunostomy in Trauma Patients. *Journal of Trauma*. 1999. 47(6): 1009-1012.
12. **Brundage SI**, CD Mack, Tong TC, Grossman D, Jurkovich GJ, Maier RV. Stapled versus Sutured Gastrointestinal Anastomoses in the Trauma Patient. *Journal of Trauma*. 1999. 47(3): 500-508.
13. **Brundage SI**, Jurkovich GJ, Hoyt D, Patel N, Ross S, Marburger R, Stoner M, Ivatury R, Ku J, Rutherford E, Maier RV. WTA Multi-Institution Study Group. Stapled Versus Sutured Gastrointestinal Anastomoses in the Trauma Patient: A Multicenter Trial. *Journal of Trauma*. 2001. 51(6): 1054-1061.
14. Asensio JA, Chahwan S, Forno W, MacKersie R, Wall M, Lake J, Minard G, Kirton O, Nagy K, Karmy-Jones R, **Brundage SI**, Hoyt D, Winchell R, Kralovich K, Shapiro M, Falcone R, McGuire E, Ivatury R, Stoner M, Yelon J, Ledgerwood A, Luchette F, Schwab CW, Frankel H, Chang B, Coscia R, Maull K, Wang D, Hirsch E, Cue J, Schmach D, Dunn E, Miller F, Powell M, Sherck J, Enderson B, Rue L 3rd, Warren R, Rodriguez J, West M, Weireter L, Britt LD, Dries D, Dunham CM, Malangoni M, Fallon W, Simon R, Bell R, Hanpeter D, Gambaro E, Ceballos J, Torcal J, Alo K, Ramicone E, Chan L. Penetrating Esophageal Injuries: Multicenter Study of The American Association For The Surgery Of Trauma. *Journal of Trauma*. 2001. 50(2): 289-296.
15. Karmy-Jones R, Carter YM, Nathans AB, **Brundage SI**, Meissner MH, Borsa J, Dehiner S, Jurkovich GJ. Impact of Presenting Physiology and Associated Injuries on Outcome Following Traumatic Rupture of the Aorta. *The American Surgeon*. 2001. 67:61-66.
16. Karmy-Jones R, Jurkovich GJ, Nathans AB, Shatz DV, **Brundage SI**, Wall MJ, Englehardt S, Hoyt DB, Holcroft J, Knudson MM. Urgent Thoracotomy for Hemorrhage Following Trauma: A Multicenter Study. *Archives of Surgery*. 2001. 136(5): 513-518.
17. Levin HS, Boake C, Song J, McCauley S, Contant C, Diaz-Marchan P, **Brundage SI**, Goodman H, Kotrla KJ. Validity and Sensitivity to Change of the Extended Glasgow Outcome Scale in Mild to Moderate Traumatic Brain Injury. *J Neurotrauma*. 2001. 18(6): 575-584.
18. **Brundage SI**, Maier RV, Jurkovich GJ. Stapled Versus Hand Sewn Anastomoses in Patients with Small Bowel Injury: A Changing Perspective. *Journal of Trauma*. 2001. 51(1): 179-182.
19. Carter Y, Meissner M, Bulger E, Demirer S, **Brundage SI**, Jurkovich G, Borsa J, Mulligan MS, Karmy-Jones R. Anatomical Considerations in The Surgical Management of Blunt Thoracic Aortic Injury” *J Vasc Surg*. 2001. 34(4): 628-633.
20. **Brundage SI**, McGhan R, Jurkovich GJ, Mack CD, Maier RV. Timing of Femur Fracture Fixation: Effect on Outcome in Patients with Thoracic and Head Injuries. *Journal of Trauma*. 2002. 52 (2): 299-307.
21. Brill SA, Stewart TR, **Brundage SI**, Schreiber MA. Base Deficit Does Not Predict Mortality When Secondary to Hyperchloremic Acidosis. *Shock*. 2002. 17(6): 459-462.

22. Schreiber MA, Holcomb JB, Hedner U, **Brundage SI**, Macaitis JM, Hoots K. The Effect of Recombinant Factor VIIa on Coagulopathic Pigs with Grade V Liver Injuries. *Journal of Trauma*. 2002. 53(2): 52-7; discussion 257-259.
23. Schreiber MA, Holcomb JB, Hedner U, **Brundage SI**, Macaitis JM, Aoki N, Meng ZH, Tweardy DJ, Hoots K. The Effect of Recombinant Factor VIIa on Non-Coagulopathic Pigs with Grade V Liver Injuries. *Journal of the American College of Surgeons*. 2003 May; 196(5): 691-697.
24. **Brundage SI**, Schreiber MA, Holcomb JB, Mastrangelo MA, Xu XQ, Macaitis J, Tweardy DJ. Amplification of the Pro-Inflammatory Transcription Factor Cascade Increases with Severity of Uncontrolled Hemorrhage in Swine. *Journal of Surgical Research*. 2003. July; 113(1): 74-80.
25. Kozar RA, Lucci A, Miller C, Azzizadeh A, Cocanour CS, Potts J, Fischer C, **Brundage SI**. A Brief Intervention by Surgeons can Influence Medical Students Toward a Career in Surgery. *Journal of Surgical Research*. 2003. May 1; 111(1): 166-9.
26. Nathans AB, Maier RV, **Brundage SI**, Jurkovich GJ, Grossman DC. The Effect of Interfacility Transfer on Outcome in an Urban Trauma System. *Journal of Trauma*. 2003. Sep; 55(3): 444-9.
27. **Brundage SI**, Zautke NA, Holcomb JB, Spain DA, Lam JC, Mastrangelo MA, Macaitis JM, Tweardy DJ. Interleukin-6 Infusion Blunts Pro-Inflammatory Cytokine Production Without Causing Systemic Toxicity in a Swine Model of Uncontrolled Hemorrhagic Shock. *Journal of Trauma*. 2004 Nov; 57(5): 970-7; discussion 977-8.
28. Boake C, McCauley SR, Levin HS, Pedroza C, Contant CF, Song JX, Brown SA, Goodman H, **Brundage SI**, Diaz-Marchan PJ, Merritt SG. Limited Agreement Between Criteria-Based Diagnoses of Postconcussional Syndrome. *J. of Neuropsychiatry and Clinical Neurosciences*. 2004 Fall; 16(4): 493-9.
29. Watters JM, **Brundage SI**, Todd SR, Zautke NA, Stefater JA, Lam JC, Malinoski D, Schreiber MA. Resuscitation with Lactated Ringer's Does Not Increase Inflammatory Response in a Swine Model of Uncontrolled Hemorrhagic Shock. *Shock*. 2004 Sep; 22(3): 283-7.
30. Kozar RA, Anderson KD, Escobar-Chaves SL, Thiel MA, **Brundage SI**. Preclinical Students: Who Are Surgeons? *Journal of Surgical Research*. 2004 June; 15; 119(2): 113-6.
31. Karmy-Jones R, Nathans AB, Jurkovich GJ, Shatz DV, **Brundage SI**, Wall MJ, Englehardt S, Hoyt DB, Holcroft J, Knudson MM, Michaels A, Long W. Urgent and Emergent Thoracotomy for Penetrating Chest Trauma. *Journal of Trauma*. 2004 Mar; 56(3): 664-8; discussion 668-9.
32. Holmes JH 4th, Wiebe DJ, Tataria M, Mattix KD, Scaife ER, Brown RI, Groner JI, **Brundage SI**, Tres Scherer LR 3rd, Nance MI. The Failure of Non-Operative Management in Solid Organ Injury: A Multi-Institutional Pediatric Trauma Center Experience. *Journal of Trauma*. 2005 Dec; 59(6): 1309-1313.
33. Kirilcuk NN, Herget EJ, Dicker RA, Spain DA, Hellinger JC, **Brundage SI**. Are Temporary Inferior Vena Cava Filters Really Temporary? *American Journal of Surgery*. 2005 Dec; 190(6): 858-63.
34. Tataria M, Dicker RA, Melcher M, Spain DA, **Brundage SI**. "Spontaneous" Splenic Rupture: The Masquerade of Minor Trauma. *Journal of Trauma*. 2005 Nov; 59(5): 1228-30.
35. **Brundage SI**, Lucci A, Miller CC, Azizzadeh A, Kozar RA. Potential Targets to Encourage a Surgical Career. *Journal of the American College of Surgeons*. 2005 June; 200(6): 946-953.
36. Levin HS, McCauley SR, Josic CP, Boake C, Brown SA, Goodman HS, Merritt SG, **Brundage SI**. Predicting Depression Following Mild Traumatic Brain Injury. *Arch Gen Psychiatry*. 2005 May; 62(5): 523-528.
37. Boake C, McCauley SR, Pedroza C, Levin HS, Brown SA, **Brundage SI**. Lost Productive Work Time after Mild to Moderate Traumatic Brain Injury with and Without Hospitalization. *Neurosurgery*. 2005; 56:994-1003.

38. Boake C, McCauley SR, Levin HS, Pedroza C, Contant CF, Song JX, Brown SA, Goodman H, **Brundage SI**, Diaz-Marchan PI. Diagnostic Criteria for Postconcussional Syndrome after Mild to Moderate Traumatic Brain Injury. *J Neuropsychiatry Clin Neurosci*. 2005 Summer; 17(3): 350-6.
39. Weissenfluh GM, **Brundage SI**, Spain DA. Early Enteral Nutrition after Abdominal Trauma: Effects on Septic Morbidity and Practicality. *Nutr Clin Pract*. 2006 Oct; 21(5): 479-84.
40. Kozar RA, Moore FA, Cothren CC, Moore EE, Sena M, Bulger EM, Miller CC, Eastridge B, Acheson E, **Brundage SI**, Tataria M, McCarthy M, Holcomb JB. Risk Factors for Hepatic Morbidity Following Nonoperative Management: A Multicenter Study. *Archives of Surgery*. 2006 May; 141(5): 451-8; 458-9.
41. Lebl D, Dicker RA, Spain DA, **Brundage SI**. A Dramatic Shift in the Primary Management of Traumatic Thoracic Aortic Injury. *Archives of Surgery*. 2006 Feb. Vol. 141: 177-180.
42. Fang TA, Peterson D, Kirilcuk NN, Dicker RA, Spain DA, **Brundage SI**. Endovascular Management of a GSW to the Thoracic Aorta. *Journal of Trauma*. 2006 Jan; 60(1): 204- 8.
43. Tataria M, Nance M, Holmes J, Mattix K, Brown R, Mooney D, Scherer LR, Groner JI, Scaife ER, Spain DA, **Brundage SI**: Pediatric Blunt Abdominal Injury: Age Is Irrelevant and Delayed Operation Is Not Detrimental. *Journal of Trauma*. 2007 Sep; 63(3): 608-14.
44. Garland A, Riskin DA, **Brundage SI**, Moritz F, Spain DA, Purtill MA, Sherck J. County Hospital Surgical Practice-A Model of Acute Care Surgery. *American Journal of Surgery*. 2007 Dec; 194(6): 758-63; Discussion 763-4.
45. Spain DA, Bellino M, Kopelman A, Chang J, Park J, Gregg DL, **Brundage SI**. Requests For 692 Transfers to An Academic Level I Trauma Center: Implications of the Emergency Medical Treatment and Active Labor Act. *Journal of Trauma*. 2007 Jan; 62(1): 63-7; Discussion 67-8.
46. Purtill MA, Benedict K, Hernandez-Boussard T, **Brundage SI**, Garland A, Kritayakirana K, Sherck J, Spain DA. Prehospital Trauma Triage: How Wide Should We Cast the Net? *Journal of Trauma*. 2008 Dec; 65(6): 1253-7.
47. Peng PD, Dicker RA, Spain DA, Tataria M, Hellinger JC, Rubin GD, **Brundage SI**. CT Angiography Effectively Evaluates Extremity Vascular Trauma. *The American Surgeon*. 2008 Feb; 74(2): 103-7.
48. **Brundage SI**, Kirilcuk NN, Lam JC, Spain DA, Zautke NA. Insulin Increases the Release of Proinflammatory Mediators. *J of Trauma*. 2008 Aug; 65(2): 367-72.
49. Namias N, Meizoso JP, Livingston DH; Sosick Investigators Group. Survey of Surgical Infections Currently Known (Sosick): A Multicenter Examination of Antimicrobial Use from The Surgical Infection Society Scientific Studies Committee. *Surg Infect (Larchmt)*. 2008 Oct; 9(5): 509-14.
50. Riskin DJ, Tsai TC, Riskin L, Hernandez-Boussard T, Purtill M, Maggio PM, Spain DA, **Brundage SI**. Massive Transfusion Protocols: The Role of Aggressive Resuscitation Versus Product Ratio in Mortality Reduction. *Journal of The American College of Surgeons*. 2009 Aug; 209(2): 198-205.
51. Maggio PM, **Brundage SI**, Hernandez-Boussard T, Spain DA. Commitment to ACS COT Trauma Center Verification Improves Patient and Financial Outcomes. *Journal of Trauma*. Jul; 67(1): 190-4; discussion 194-5.2009.
52. Melkun E, Ford C, **Brundage SI**, Spain DA, Chang J. Demographic and Financial Analysis of EMTALA Hand Patient Transfers. *HAND (NY)*. July 15, 2009.
53. Weiner JB, **Brundage SI**. The Challenge of Eliminating Cervical Cancer In The United States: A Story Of Politics, Prudishness, And Prevention. *Women and Health*. 2009 March-May; 49(2-3): 246-61.
54. Nadler EP, Krishnaswami S, **Brundage SI**, Kim LT, Kingham TP, Olutoye OO, Nwariaku F, Nwomeh BC. Assessing the Efficacy of the Fundamentals of Research and Career Development Course Overseas. *Journal of Surgical Research*. 2010 Oct; 163 (2): 197-200.

55. Kritayakirana K, Maggio PM, **Brundage SI**, Purtil MA, Staudenmayer K, A Spain D. Outcomes and Complications of Open Abdomen Technique for Managing Non-Trauma Patients. *Journal of Emergency Trauma Shock*. 2010 April; 3(2): 118-22.
56. Hsia RY, Mahadevan SV, **Brundage SI**. Penetrating Cardiac Injury from a Wooden Knitting Needle. *Journal of Emergency Medicine*. 2010 Sept 10.
57. Rowell SE, Barbosa RR, Diggs BS, Schreiber MA; Trauma Outcomes Group, Holcomb JB, Wade CE, Brasel KJ, Vercruyse G, MacLeod J, Dutton RP, Hess JR, Duchesne JC, McSwain NE, Muskat P, Johannigam J, Cryer HM, Tillou A, Cohen MJ, Pittet JF, Knudson P, De Moya MA, Schreiber MA, Tieu B, **Brundage SI**, Napolitano LM, Brunsvold M, Sihler KC, Beilman G, Peitzman AB, Zenait MS, Sperry J, Alarcon L, Croce MA, Minei JP, Kozar R, Gonzalez EA, Stewart RM, Cohn SM, Mickalek JE, Bulger EM, Cotton BA, Nunez TC, Ivatury R, Meredith JW, Miller P, Pomper J, Marin B. Specific abbreviated injury scale values are responsible for the underestimation of mortality in penetrating trauma patients by the injury severity score. *Journal of Trauma*. 2011 Aug;71(2 Suppl 3): S384-8.
58. Rowell SE, Barbosa RR, Allison CE, Van PY, Schreiber MA; Trauma Outcomes Group, Holcomb JB, Wade CE, Brasel KJ, Vercruyse G, MacLeod J, Dutton RP, Hess JR, Duchesne JC, McSwain NE, Muskat P, Johannigam J, Cryer HM, Tillou A, Cohen MJ, Pittet JF, Knudson P, De Moya MA, Schreiber MA, Tieu B, **Brundage SI**, Napolitano LM, Brunsvold M, Sihler KC, Beilman G, Peitzman AB, Zenait MS, Sperry J, Alarcon L, Croce MA, Minei JP, Kozar R, Gonzalez EA, Stewart RM, Cohn SM, Mickalek JE, Bulger EM, Cotton BA, Nunez TC, Ivatury R, Meredith JW, Pomper P, Pomper GJ, Marin B. Gender-based differences in mortality in response to high product ratio massive transfusion. *Journal of Trauma*. 2011 Aug;71(2 Suppl 3): S375-9.
59. Spoerke N, Michalek J, Schreiber M; Trauma Outcomes Group, Brasel KJ, Vercruyse G, MacLeod J, Dutton RP, Duchesne JC, McSwain NE, Muskat P, Johannigam J, Cryer HM, Tillou A, Cohen MJ, Pittet JF, Knudson P, De Moya MA, Tieu B, **Brundage SI**, Napolitano LM, Brunsvold M, Sihler KC, Peitzman AB, Zenait MS, Sperry J, Alarcon L, Croce MA, Minei JP, Stewart RM, Cohn SM, Mickalek JE, Bulger EM, Cotton BA, Nunez TC, Ivatury R, Meredith JW, Miller P, Pomper GJ, Marin B. Crystalloid resuscitation improves survival in trauma patients receiving low ratios of fresh frozen plasma to packed red blood cells. *Journal of Trauma*. 2011 Aug;71(2 Suppl 3): S380-3.
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- Peitzman AB, Zenati MS, Sperry JL, Alarcon LH, Croce MA, Minei JP, Steward RM, Cohn SM, Michalek JE, Bulger EM, Nunez TC, Ivatury RR, Meredith JW, Miller PR, Pomper GJ, Marin B. Increased platelet:RBC ratios are associated with improved survival after massive transfusion. *Journal of Trauma*. 2011 Aug;71(2 Suppl 3): S318-28.
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71. Sim V, Kao LS, Jacobson J, Frangos S, **Brundage S**, Wilson CT, Simon R, Glass NE, Pachter HL, Todd SR. Can old dogs learn new 'TRICCS - transfusion requirements in critical care': a survey of packed red blood cell transfusion practices among members of The American Association for the Surgery of Trauma. *Am J Surg*. 2015 Jul; 210(1): 45-51.
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73. Glasgow S, Vasilakis C, Perkins Z, **Brundage SI**, Tai N, Brohi K. Managing the Surge in Demand for Blood Following Mass Casualty Events: Early Automatic Restocking May Preserve Red Cell Supply. *J Trauma Acute Care Surg*. 2016 July; 81(1): 50-7.
74. Glasgow S, Vasilakis C, Perkins Z, **Brundage SI**, Tai N, Brohi K. Managing the Surge in Demand for Blood Following Mass Casualty Events: Early Automatic Restocking May Preserve Red Cell Supply. *J Trauma Acute Care Surg*. 2016 July; 81(1): 50-7.
75. Zhang G, **Brundage SI**, Jansen JO. An Exploratory Analysis of the Geographical Distribution of Trauma Incidents in Shenzhen, China. *World Journal of Surgery*. 2017 May; 41(9), 2207-2214.
76. Crichton J, Naidoo K, Yet, B, **Brundage SI**, Perkins Z. The Role of Splenic Angio-Embolisation as an Adjunct to Non-Operative Management of Blunt Splenic Injuries: A Systematic Review and Meta-Analysis. *J Trauma Acute Care Surg*. 83(5): 934-943, November 2017.
77. Ali A, **Brundage SI**. The Variables Affecting Decision-Making Factors & Outcomes in Salvage Versus Amputation for Complex Limb Injuries. *Irish Med J*. 2017 December 18; 110 (10): 661.
78. Adams RDF, Cole E, **Brundage SI**, Morrison JJ, Jansen JO. Beliefs and expectations of rural hospital practitioners towards a developing trauma system: A qualitative case study. *Injury*. 2018 June; 49(6): 1070-1078.

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80. Schyma BM, Cole E, Wren SM, Brohi K, **Brundage SI**. Delivering Trauma Mastery With An International Trauma Masters. *Injury*. 2019 Apr; 50 (4): 877-882.
81. Malkin M, Nevo A, **Brundage SI**, Schreiber M. Effectiveness and safety of whole blood compared to balanced blood components in resuscitation of hemorrhaging trauma patients - A systematic review. *Injury*. 2021 Feb;52(2):182-188.
82. Hietbrink F, Mohseni S, Mariani D, Naess PA, Rey-Valcárcel C, Biloslavo A, Bass GA, **Brundage SI**, Alexandrino H, Peralta R, Leenen LPH, Gaarder T; Visceral Trauma Section of the European Society of Trauma, Emergency Surgery. What trauma patients need: the European dilemma. *Eur J Trauma Emerg Surg*. 2024 Jun;50(3):627-634.
83. Cioffi SBP, Benuzzi L, Herbolzheimer M, Marrano E, Bellio G, Kluijfhout WP, Wijdicks FJ, Hättich A, Talving P, Bulger E, Tilsed J, Mariani D, Rey Valcarcel C, Mohseni S, **Brundage SI**, Yanez C, Verbruggen JPAM, Hildebrand F, Schipper IB, Gaarder C, Cimbanassi S, Kurihara H, Bass GA. Identifying and addressing mentorship gaps in European trauma and emergency surgical training. *European Journal of Trauma and Emergency Surgery*. 2024 August; 50, 2539–2549.
84. Yeung DE, Morrison JJ, Wang H, **Brundage SI**, Green DR, Jansen JO. Hotspots of Trauma Activity: Prehospital Injury Data Can Be Geospatially Analysed To Determine Areas of Risk. Submitted for publication. 2025.
85. Ross J, Reynolds T, **Brundage SI**, Jansen JO. Trauma Care in Scotland: An Evaluation of Service Provision Using the WHO Emergency Care Assessment Tool. Submitted for publication. 2025.
86. Bentley D, Bentley A, Rappoport J, **Brundage, SI**. Does Fibrinogen Concentrate Improve Outcomes in Traumatic Haemorrhage? A Systematic Review. *Trauma*. Submitted for Publication 2025.
87. Douglas A, Morrison JJ, **Brundage SI**, Wilson M, Jansen JO. Systematic Review and Meta-Analysis of The Effect of Platelet Transfusion on Survival in Patients with Traumatic Intracranial Haemorrhage Who Were Taking Aspirin or Clopidogrel. Submitted for Publication. 2025
88. The BAD GUY Study: Multicenter Audit on Blunt ADrenal Gland injury. Cioffi SPB, Benuzzi L, Fransvea P, La Greca A, Brachini G, Meneghini S, Diego Visconti D, Campos-Serra A, Biloslavo A, Bellio G, Kurihara H, Ciabattini G, Perini D, Spota A, Altomare M, Viridis F, Bini R, Granieri S, Mohseni S, Bass GA, **Brundage SI**, Mingoli A, Cimbanassi S. Submitted for Publication. 2025
89. Designing A Trauma Traveling Fellowship: A Survey Of the European Society of Trauma and Emergency Surgery (ESTES) Membership. Wohlgenut JM, Gupta S, Cioffi SPB, Llaquet-Bayo H, Wohlgenut HS, Hobby J, Shahin Mohseni S, Gaarder C, Bass GA, **Brundage SI**. Submitted for Publication. 2025

Non-Peer-Reviewed Articles

1. Mattox KL, **Brundage SI**, Hirshberg A. Initial Resuscitation New Horizons: The Science and Practice of Acute Medicine. 1999. 7 (1): 4-9.
2. **Brundage SI**, McGhan R, Jurkovich GJ, Mack CD, Maier RV. Incidence of Acute Respiratory Distress Syndrome as a Function of Timing of Femur Fracture Fixation. *Trauma, Shock Inflammation and Sepsis*. 2000. (1): 113-118.
3. **Brundage SI**. “Systematic Review and Meta-analysis of Antibiotic Prophylaxis to Prevent Infections from Chest Drains in Blunt And Penetrating Thoracic Injuries – Invited Commentary. *British Journal of Surgery*. 2012. 99(4): 513-4.

Book Chapters

1. **Brundage SI**: Invited Commentary on Cardiovascular Failure, In: Trauma, 4th Edition, Mattox, KL, Feliciano, DV, Moore, EE (Editors): McGraw Hill, New York, December 1999. p 13-19.
2. **Brundage SI**, Davies JK, and Jurkovich GJ: Trauma to the Pregnant Patient. In Textbook of Critical Care. 4th Edition. Shoemaker WC, Grenvik A. (Editors). Philadelphia, PA: W.B. Saunders Company. 2000. p 383-391.
3. Mattox KL, **Brundage SI**, Hirshburg A. Vascular Trauma. In: Sabiston Textbook of Surgery. 16th Edition. Philadelphia, PA: W.B. Saunders Company. 2001. Chapter 63. p 1403-1417.
4. **Brundage SI**, Scott BG, Karmy-Jones R. Pericardiocentesis/Pericardial Window. In: Procedures and Monitoring for the Critically Ill. Demetriades D, Velmahos G. (Editors). W.B. Saunders Company. 2002.
5. DiBardino DJ, **Brundage SI**. Abbreviated Thoracotomy; The Evolving Role of Damage Control in Thoracic Trauma. In: Textbook of Thoracic Trauma and Critical Care. Maier RV, Hudson L, Stern E, Karmy-Jones R (Editors). Kluwer Academic Publishers. Chapter 2.5, Section 2. 2002. p 69-76.
6. Jou R, Maggio P, **Brundage SI**: Management of Duodenal and Pancreatic Injury in Adults. Up-to-Date. Wolters Kluwer Health. Waltham, MA USA. Online 2007-2013
7. **Brundage SI**: Invited Commentary on Injuries to the Stomach and Small Bowel. In: Trauma, 6th Edition, Mattox, KL, Feliciano, DV, Moore, EE (Editors): McGraw Hill, New York. 2008.
8. Williams DB, Raghunathan A, Spain DA, **Brundage SI**: Nosocomial Pneumonia. In: Current Therapy of Trauma and Surgical Critical Care. In: Critical Care II. Special Issues and Treatments. Asensio JA, Trunkey D (Editors) W.B. Saunders/Elsevier Co. of Philadelphia. 2008. p 682- 688.
9. Editors; Mock C, Juillard C, **Brundage SI**, Joshipura M, and Goosen J: Guidelines for Trauma Quality Improvement Programmes. Department of Violence and Injury Prevention and Disability. A Publication of the World Health Organization, the International Association for Trauma Surgery and Intensive Care, and the International Society of Surgery. Geneva, Switzerland. 2009. http://whqlibdoc.who.int/publications/2009/9789241597746_eng.pdf
10. Jou R, Spain DA, **Brundage SI**. Emergency Surgery for Stomach and Duodenum Injuries. In: Acute Care Surgery: A Guide for General Surgeons. Gracias VH, Reilly PM, McKenny MG, Velmahos GC (Editors) McGraw Hill, New York. 2009. p 53-63
11. **Brundage SI**, Parikh, Pachter HL. Liver Injuries. In: Current Therapy of Trauma and Surgical Critical Care. Second Edition. Asensio JA, Trunkey D (Editors). W.B. Saunders/Elsevier Company of Philadelphia. 2016. p 358-372.
12. The ACS Patient in Resource-Limited Setting: How to Get the Maximum from the Minimum! Chichom-Mefire A, Wehliye L, **Brundage SI**. In: Intensive Care for Emergency Surgeons. Picetti E, Pereira BM, Razek T, Narayan M, Kashuk J. (Editors) Springer Nature Switzerland AG. 2019. p 347-356.

Major Invited Speeches / National

1. Role of Leukemia Inhibitory Factor in Experimental Sepsis. Surgical Forum, American College of Surgeons, 80th Annual Clinical Congress. Chicago, Illinois. October 1994.
2. Incidence and Management of Thoracic Aortic Injuries in Pedestrians. Ninth Annual Trauma Conference. Harborview Medical Center. Seattle, Washington. March 1998.
3. Does the Face Protect the Brain: A Case Control Study of Traumatic Brain Injury and Facial Fractures. ACS Washington State Chapter Meeting. Lake Chelan, Washington. June 1998.
4. Stapled versus Sutured Gastrointestinal Anastomoses in the Trauma Patient. American Association for the Surgery of Trauma (AAST). Baltimore, Maryland. September 1998

5. Stapled versus Sutured Gastrointestinal Anastomoses in the Trauma Patient. Western Trauma Association (WTA). Crested Butte, Colorado. February 1999.
6. Current Controversies in the Management of Intestinal Injuries. Baylor Department of Surgery Grand Rounds Presentation. Houston, Texas. May 1999.
7. Current Controversies in the Management of Intestinal Injuries. Fourth Annual United States Army Trauma Symposium. San Antonio, Texas. August 1999.
8. Invited Speaker, Baylor College of Medicine Medical Student Surgical Society. Houston, Texas. February 2001.
9. Invited Speaker, Baylor College of Medicine American Medical Women's Association (AMWA) Medical Student Retreat. Houston, Texas. May 2001 and November 2001.
10. Uncontrolled Hemorrhagic Shock in Swine Causes Liver Injury Accompanied by Local Production of Interleukin-6 (IL-6) and Granulocyte Colony-Stimulating Factor (G-CSF) mRNA. Eastern Association for the Surgery of Trauma. Orlando, Florida. January 2002.
11. Invited Panel Discussant: National Institutes of Health, Women's Health Advisory Committee on Research on Women's Health. NIH. Bethesda, MD. March 2002.
12. Invited Speaker, Baylor College of Medicine American Medical Women's Association and Student Surgical Society Joint Meeting, Women in Surgery. Houston, Texas. May 2002.
13. Amplification of the Pro-Inflammatory Transcription Factor Cascade Increases with Severity of Uncontrolled Hemorrhage in Swine. Association for Academic Surgery. Boston, Massachusetts. November 2002.
14. Thoracic Trauma and Pulmonary Critical Care. Stanford Critical Care Nursing Symposium. Stanford, California. January 2003.
15. Trauma in the Obstetrical Patient. Stanford Lifeflight Conference. Stanford, California. February 2003.
16. Trauma and Pregnancy: Field and Hospital Issues. Guest Lecturer. Santa Clara County Trauma Audit Committee. Santa Clara County, California. March 2003.
17. Interleukin-6 Infusion Blunts Pro-Inflammatory Cytokine Production Without Causing Systemic Toxicity in A Swine Model of Uncontrolled Hemorrhagic Shock. American Association for the Surgery of Trauma Minneapolis, MN. September 2003.
18. Clinical Research. Fundamentals of Surgical Research Course. Association for Academic Surgery. Sacramento, CA November 2003.
19. Does it Take Guts to Sew an Anastomosis? The Evolution of the Management of Intestinal Injuries. Stanford Department of Surgery Grand Rounds. April 2004.
20. Staples or Sutures for Bowel Anastomosis After Trauma? New Frontiers in Trauma and Critical Care 11th Annual Symposium. Los Angeles, CA. May 2004.
21. Prophylactic Fasciotomy is Always Advisable. New Frontiers in Trauma and Critical Care 11th Annual Symposium. Los Angeles, CA. May 2004.
22. Generating Passion for Surgery in Generation X: Factors Influencing Career Choices of Medical Students. Halstead Society. Stanford, CA. September 2004.
23. Insulin Increases the Release of Pro-Inflammatory Mediators. American Association for the Surgery of Trauma. Maui, HI. September 2004.
24. Clinical Research. Fundamentals of Surgical Research Course. Association for Academic Surgery. Houston, TX November 2004.
25. A Dramatic Shift in the Primary Management of Traumatic Thoracic Aortic Injury. Western Surgical Association. Las Vegas, NV. November 2004.
26. Clinical Research. Fundamentals of Surgical Research Course. Association for Academic Surgery. San Francisco, CA. October 2005.

27. Complications Associated with Small Bowel Resections: Concurrent Injuries Are More Relevant to Morbidity Than Method of Gastrointestinal Anastomosis.” Western Trauma Association Multicenter Trial Group. Western Trauma Association. Big Sky, Montana. February 2006.
28. Spores of Wrath: A Case of Disseminated Mucormycosis Post-Trauma.” Western Trauma Association. Big Sky, Montana. February 2006.
29. Non-Antibiotic Management of Infection.” Advances in Critical Care for Surgeons. 92nd Clinical Congress American College of Surgeons, Chicago, IL. October 2006.
30. Negotiating for Success: What to Ask For?” 2nd Annual Career Development Course. Association for Academic Surgery. Chicago, IL. October 2006.
31. Clinical Research” Fundamentals of Surgical Research Course. Association for Academic Surgery. Chicago, IL. October 2006.
32. Improved Outcomes: The Benefits of Enhanced Commitment to Trauma at Stanford.” Stanford University Department of Surgery Grand Rounds. Stanford, CA. April 2007.
33. Guest Faculty. Northwest States Trauma Conference hosted by Oregon Health Sciences University. Sun River, Oregon. “Trauma Triage: When to Transfer.” April 2007.
34. Guest Faculty. Northwest States Trauma Conference hosted by Oregon Health Sciences University. Sun River, Oregon. “Management of the Pregnant Trauma Patient.” April 2007.
35. Trauma and Emergency Surgery Cases: Experts on the Hot Seat. Invited Expert on the Trauma Panel. 94th Clinical Congress American College of Surgeons, San Francisco, CA. October 2008.
36. Invited Discussant. Quality, Outcomes and Costs III: Trauma, Acute Care Surgery. 94th Clinical Congress American College of Surgeons Annual Conference, San Francisco, CA. October 2008.
37. Western Trauma Association Point-Counterpoint. Colostomy versus Primary repair after Damage Control Surgery. Brundage SI vs. Schreiber M. Western Trauma Association Annual Meeting. Crested Butte, CO. February 2009.
38. Is Observation Safe? Results of a Prospective, AAST Multicenter Study. 69th Annual American Association for the Surgery of Trauma Meeting. Boston, MA. September 2010.
39. Invited Faculty. American College of Surgeons (ACS) Inaugural Comprehensive General Surgery Review Course. American College of Surgeons – Division of Education. Chicago, IL. June 2010.
 - ACS Comprehensive General Surgery Review Course Designated Topics of Expertise and Lectures in 2010:
 - 1) Shock and Initial Resuscitation
 - 2) Sepsis – The Surviving Sepsis Campaign Guidelines
 - 3) Monitoring in the Surgical Intensive Care Unit
 - 4) Nutrition
40. Invited Discussant. The Natural History of Upper Extremity Deep Venous Thromboses in Critically Ill Surgical and Trauma Patients: What is the Role of Anticoagulation? Eastern Association for the Surgery of Trauma 24th Annual Scientific Assembly. Naples, Florida. January 2011.
41. Invited Discussant. Blunt Traumatic Occult Pneumothorax: Is Observation Safe? Results of a Prospective, AAST Multicenter Study. 69th Annual American Association for the Surgery of Trauma Meeting. Boston, MA. September 2010.
42. Invited Discussant. Withdrawal of Care: A 10-Year Perspective at a Level I Trauma Center. American Association for the Surgery of Trauma (AAST) 70th Annual Meeting. Chicago, IL. September 2011.

43. Invited Faculty. The Second Annual American College of Surgeons (ACS) Comprehensive General Surgery Review Course. American College of Surgeons – Division of Education. Chicago, IL. May and June 2011.
ACS Comprehensive General Surgery Review Course Designated Topics of Expertise and Lectures in 2011:
 - 1) Shock
 - 2) Sepsis – The Surviving Sepsis Campaign Guidelines
 - 3) Monitoring: Use of the Pulmonary Artery Catheter in Critically Ill Patients
 - 4) Trauma ABCs: Initial Resuscitation and ATLS Principles
 - 5) The Focused Assessment with Sonography for Trauma (FAST) Exam
 - 6) Penetrating Neck and Extremity Traumatic Injuries; Identification, Classification and Management
 - 7) Blunt Pelvic Fracture Injuries: Priorities and Management
44. Invited Discussant. Stapled Versus Hand-Sewn Anastomoses in Emergency General Surgery: A Retrospective Review of Outcomes in A Unique Patient Population. American Association for the Surgery of Trauma (AAST) 71st Annual Meeting. Kauai, Hawaii. September 2012.

Major Invited Speeches / International

1. Incidence of Acute Respiratory Distress Syndrome as a Function of the Timing of Femur Fracture Fixation. 5th World Congress on Trauma, Shock, Inflammation and Sepsis. Munich, Germany. March 2000.
2. Potential Targets to Encourage A Surgical Career. Western Surgical Society, Vancouver, British Columbia, Canada. November 2002.
3. TNF-Alpha mRNA Expression Decreases in Swine Ileum During Shock. 6th World Congress on Trauma, Shock and Sepsis. Munich, Germany. March 2004.
4. Lactated Ringers Does Not Increase Inflammation After Shock. 6th World Congress on Trauma, Shock and Sepsis. Munich, Germany. March 2004.
5. Guest Faculty. Association of Surgeons of South Africa. Trauma Association of South Africa. Pilanesberg, South Africa.” Management of Trauma Thoracic Aortic Injuries” August 9, 2007; Intestinal Injuries: Sew Staple or Divert. August 2007.
6. Guest Faculty. Association of Surgeons of South Africa. Critical Care Congress. Pilanesberg, South Africa. Management of the Open Abdomen. August 14, 2007; Supranormal Resuscitation: The Evidence. August 15, 2007 (plenary session); Initial Resuscitation. August 15, 2007; Lactated Ringers vs. Normal Saline Resuscitation. August 17, 2007 (plenary session).
7. Guest Faculty. West African College of Surgeons. Reading the Literature and Developing a Hypothesis. The Inaugural Fundamentals of Surgical Research and Development Course by the Association of Academic Surgery in conjunction with the 48th Annual Meeting of West African College of Surgeons. Freetown, Sierra Leone. February 2008.
8. Guest Faculty. West African College of Surgeons. Delivering an Effective Research Presentation. The Inaugural Fundamentals of Surgical Research and Development Course by the Association of Academic Surgery in conjunction with the 48th Annual Meeting of West African College of Surgeons. Freetown, Sierra Leone. February 2008.
9. Guest Faculty. West African College of Surgeons. How to Develop and Evaluate a Fundable Idea. The Second Annual Fundamentals of Surgical Research and Career Development Course. Association of Academic Surgery. Abjua, Nigeria. July 2009.
10. Guest Faculty. West African College of Surgeons. Quality of Life and Survey Research. The Second Annual Fundamentals of Surgical Research and Career Development Course.

- Association of Academic Surgery. Abjua, Nigeria. July 2009.
11. Guest Faculty. West African College of Surgeons. Health Services Research. The Second Annual Fundamentals of Surgical Research and Career Development Course. Association of Academic Surgery. Abjua, Nigeria. July 2009.
 12. Invited Presenter. The Mass Casualty Paradox in Environments with Limited Healthcare Resources. First Israeli International Conference on Preparedness & Response to Emergencies and Disasters. Tel Aviv, Israel, January 2010.
 13. Invited Speaker. The Association of Surgeons of South Africa/The Trauma Society of South Africa – ASSA/TSSA. The Trauma Surgeon in the Intensive Care Unit: What’s New in Trauma and Surgical Critical Care; and An Update on The Evolution of Acute Care Surgery Cape Town, South Africa. April 2011.
 14. Guest Faculty. The Fundamentals of Surgical Research and Development Course. Health Services/Outcomes Research; and How to Develop a Fundable Idea. Association of Academic Surgery. Lagos, Nigeria. July 2011.
 15. Guest Faculty. The Fundamentals of Surgical Research and Development Course. The 5th Annual West African College of Surgeons/Association of Academic Surgery. Trauma, Surgical Critical Care and Acute Care Surgery Training Models in the United States. Monrovia, Liberia. February 2012.
 16. Guest Faculty. West African College of Surgeons - Trauma Systems Symposium. World Health Organization (WHO) Guidelines for Trauma Quality Improvement Programmes. Monrovia, Liberia. February 2012.
 17. Invited Speaker. The Cutting Edge of the Surgical Management of Trauma. The Association of Surgeons in Training Annual Conference. Manchester, England United Kingdom. April 2013.
 18. Invited Speaker. The ABCs of Trauma and Advanced Trauma Principles. Da Nang General Hospital. Da Nang, Vietnam. July 2013.
 19. Invited Speaker. Trauma Surgery. Barts & The London Surgical Society. London, England, UK. October 2013.
 20. Invited Speaker. Trauma Training & Education: Current Concepts & Controversies. The London Trauma Conference. London UK. December 2013.
 21. Invited Speaker. Trauma Surgery: The Cutting Edge. Barts & The London National Undergraduate Surgical Conference. London, UK. January 2014.
 22. Guest Faculty. The Fundamentals of Surgical Research and Development Course. The West African College of Surgeons/Association of Academic Surgery. Survey Based Research, Kumasi, Ghana. February 2014.
 23. Guest Faculty. The West African College of Surgeons Association of Academic Surgery. Symposium on Surgical Subspecialty Training in the US. Kumasi, Ghana. February 2014.
 24. Invited Speaker. Timing of Treatment in the Trauma ICU: The Second Hit Phenomenon. TraumaCare UK. Telford, England, UK. March 2014.
 25. Invited Speaker. Trauma Myths. The London Trauma Conference. London, England, UK. December 2015.
 26. Invited Speaker. Game Changers - Futility in The Emergency Surgical Patient: The Operating Theatre. Glasgow Emergency Surgery & Trauma Symposium. 3rd Annual Meeting. 2016 GESTS. Royal College of Physicians and Surgeons of Glasgow. Glasgow, Scotland, UK. February 2016.
 27. Invited Speaker. 3 Slides In 3 Minutes - A Tip, A Trick and An Error Trap. Glasgow Emergency Surgery & Trauma Symposium. 3rd Annual Meeting. 2016 GESTS. Royal College of Physicians and Surgeons of Glasgow. Glasgow, Scotland, UK. February 2016.

28. Invited Speaker. TXA Is The Magic Bullet: Pro Vs Con. Glasgow Emergency Surgery & Trauma Symposium. 3rd Annual Meeting. 2016 GESTS. Royal College of Physicians and Surgeons of Glasgow. Glasgow, Scotland, UK. February 2016.
29. Invited Speaker. Beyond Borders and Beyond Conflict: Sustainability & Systems. Beyond Borders: The Future of Global Surgery Conference. The Royal Society of Medicine. London, UK April 2016.
30. Invited Speaker. Armchair Internationalisation? Maximising the Role of E-learning in Creating Global Communities of Study. Queen Mary University of London Teaching and Learning Conference. London, UK. January 2017.
31. Invited Speaker. Patient Centered Trauma Care. 2017 International Health Conference. Oxford - St Hugh's College. Oxford, UK. June 2017.
32. Invited Speaker. Neck Injuries: Pearls from A Trauma Surgeon. TacticalTrauma17 Conference. Sundsvall, Sweden. Oct 2017.
33. Invited Speaker. Five Things You MUST Know About Pediatric Trauma. TacticalTrauma17 Conference. Sundsvall, Sweden. Oct 2017
34. Invited Speaker. Comparing & Contrasting US and UK Trauma Systems: Identifying Adoptable points for West African Nations. Presidential Plenary Session. West African College of Surgeons. Dakar, Senegal. January 2019.
35. Convener, Organizer and Speaker. Major Trauma CRaSH Course = C (*C4TS - Centre for Trauma Sciences*) R (*Resuscitation*) a (*and*) S (*Surgical*) H (*Haemorrhage*) Course. UK Association of Surgeons in Training (ASiT) Preconference Course. Belfast, NI. March 2019.
36. Invited Speaker. The Global Evolution of Trauma. Barts and The London Surgical Society. London, UK. March 2019.
37. Invited Speaker. DCS In the Elderly: Futile or Worth the Effort? World Congress of Surgery/ International Association for Trauma and Intensive Care, WCS / IATSIC. Krakow, Poland. August 2019.
38. Convener, Organizer, Speaker. Major Trauma CRaSH Course = C (*C4TS - Centre for Trauma Sciences*) R (*Resuscitation*) a (*and*) S (*Surgical*) H (*Haemorrhage*) Course. UK Association of Surgeons in Training (ASiT) Preconference Course. Birmingham, UK. March 2020.
39. Invited Speaker. Is Diversity in Post Graduate Trauma Training Enough To Ensure Representative Leadership In The Future? European Congress of Trauma and Emergency Surgery – International Association for Trauma Surgery and Intensive Care Symposium. Oslo, Norway April 2020 – 2020 cancelled due to COVID19. Virtual Meeting in September 2021.
40. Invited Speaker. Is Diversity in Post Graduate Trauma Training Enough To Ensure Representative Leadership In The Future? European Congress of Trauma and Emergency Surgery – International Association for Trauma Surgery and Intensive Care Symposium. Virtual Meeting – due to COVID19 - September 2021.
41. Invited Speaker. Traumatic Brain Injury and Lung Injury? European Congress of Trauma and Emergency Surgery. Oslo, Norway. April 2022.
42. Invited Speaker. Social Media in Trauma and Education - Use and Abuse / Ethical Aspects. World Congress of Surgery / International Surgery Week. International Association for Trauma Surgery and Intensive Care. Vienna, Austria. August 2022.
43. Invited Speaker. Communication and Transitions of Care. European Congress of Trauma/Emergency Surgery. Ljubljana, Slovenia. April 2023.
44. Invited Speaker. The Education Perspective: Effects of a Multidisciplinary Trauma Master's Program. European Congress of Trauma/Emergency Surgery. Ljubljana, Slovenia. April 2023.

45. Invited Speaker. Optimizing Handovers in High Acuity Patient Care. European Congress of Trauma and Emergency Surgery. Lisbon, Portugal. April 2024.
46. Invited Speaker. Hidden Complexities in Geriatric Trauma: Epidemiology, Nutrition, Comorbidities, and Polypharmacy. International Surgery Week. International Association for Trauma Surgery and Intensive Care. Kuala Lumpur, Malaysia August 2024.
47. Invited Speaker. Tips and Tricks from the Experts: Thoracoabdominal Trauma. European Congress of Trauma and Emergency Surgery. Aachen, Germany. April 2025.
48. Invited Speaker. Paroxysmal Sympathetic Hyperactivity Syndrome/Delirium. International Association for Trauma Surgery and Intensive Care. Mexico City, Mexico April 2026.

QUALITY IMPROVEMENT / AUDIT ACTIVITIES

- United Kingdom National Health Service: Clinical Audit Projects: Collecting and evaluating data, applying outcome data and clinical practices against National Standards, Guidelines and Benchmarks. Assessing compliance or non-compliance and adherence to standards as well as benchmarks. Making recommendations, follow up, loop closure and re-audit.
- the University of Maryland Medical Center: Monthly Surgical Intensive Care Morbidity and Mortality Conferences
- Royal London Hospital Bi-Weekly Morbidity and Mortality Conferences
- Monthly Trauma Quality Performance Improvement Conferences
- Quarterly Institutional Trauma Audit Committee
- Quarterly Regional Trauma Audit Committee
- Monthly Surgical Critical Care Morbidity and Mortality Conference
- Trauma Outcomes and Performance Improvement Research
- Guidelines for Trauma Quality Improvement Programmes. Editors; Mock C, Juillard C, **Brundage SI**, Joshipura M, and Goosen J. Department of Violence and Injury Prevention and Disability. A Publication of the World Health Organization, the International Association for Trauma Surgery and Intensive Care, and the International Society of Surgery. Geneva, Switzerland. 2009. <https://www.who.int/publications/i/item/guidelines-for-trauma-quality-improvement-programmes>