



THE AMERICAN ASSOCIATION
FOR THE SURGERY OF TRAUMA
ADVANCING TRAUMA AND ACUTE CARE SURGERY THROUGH
COMPASSION, DISCOVERY, AND DEDICATION

Preliminary Program

84TH ANNUAL MEETING
OF AAST AND CLINICAL CONGRESS
OF ACUTE CARE SURGERY



THE AMERICAN ASSOCIATION FOR THE SURGERY OF TRAUMA

Boston
AAST

**CLICK HERE TO VIEW
THE SCHEDULE**

PLEASE NOTE:

Please see the AAST
website for the most up-
to-date schedule

welcome to BOSTON

Message From The Program Chair & Recorder

RAMINDER NIRULA, MD, MPH

Welcome to Boston and the AAST's 84th Annual Meeting!

Boston is a fantastic city rich with the country's history making it one of my favorite locations for what is sure to be an engaging and informative meeting. One of our most relevant panel discussions will explore how best to prepare for a large-scale combat and mass casualty event.



This year, our expert surgeon lecture will be delivered by one of the most highly regarded surgeons of our time - Dr. Timothy C. Fabian. Our presidential address from Dr. Ronald Stewart will be provocative and inspiring, and the Fitts lecture will be given by the accomplished Dr. Brian Eastridge. **New this year** is a special panel discussion regarding recent developments in hemorrhagic shock resuscitation with a review of literature over the last decade to give you the latest evidence and where our knowledge gaps lie.

Back by popular demand are the always well-attended Emergency General Surgery and Neurocritical Care Board Review Courses. The other add-on and lunch sessions are not to be missed with topics ranging from AI (its potential and pitfalls) to setting yourself up for success in obtaining research funding.

The oral presentations, quickshots, and posters have been selected to provide you with high yield evidence focused on ways in which we can improve our clinical care as well as translational science to inspire further research that will continue to evolve care.

I am so excited to see you all for my first meeting as Program Chair and welcome your thoughts on how we can continue to provide you with an annual meeting that fuels your passion in what we do.

Content



Introduction

Message from the Program Chair	2
Message from the President	4

Optional Sessions

Pre-sessions	6
Lunch Sessions	8, 12
Add-on sessions	11

Meeting Events

Schedule at a glance	15
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Exhibitor Information

List of Exhibitors	22
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Travel Information

Hotel Information	24
Air and Ground Transportation	25
Things To Do	26

Registration Information

Policies and Hours	27
Registration Form	28





Message from the President

RONALD STEWART, MD

Dear AAST Members and Meeting Attendees,

We are excited to welcome you to the 84th Annual Meeting, which will be held in Boston this September. Our Program Committee, under the able leadership of Dr. Raminder Nirula, has assembled an outstanding program with the opportunity to learn about the latest advances in our field. I am delighted to announce that Dr. Brian J. Eastridge has agreed to be our Fitts Orator this year. Dr. Eastridge is the Director of the Military Health System Strategic Partnership American College of Surgeons. He is a critical developer and leader of military-

civilian partnerships and has unique perspectives as both a civilian and military surgical leader.

Dr. Timothy C. Fabian will deliver the Expert Surgeon Lecture. Dr. Fabian is a past President of the American Association for the Surgery of Trauma (2007-2008), Editor Emeritus of TSACO, a past Fitts Orator, and an internationally recognized mentor, educator, and surgical scientist. I look forward to both featured orations and am honored to introduce these two exceptional surgical leaders.

In addition to these two lectures, there will be two panel sessions. One will address the need for and value of a National Trauma and Emergency Preparedness System (NTEPS) and the second

will focus on state-of-the-art blood and blood component resuscitation. As you know, there are also multiple interactive pre/add-on sessions and numerous lunch sessions, each representing great content from our hard-working committees at the AAST. And finally, the science presented in our main sessions, poster session, and quickshot session should have you up to date on the latest developments in Trauma and Acute Care Surgery.

We are excited about the program and are looking forward to seeing you all in Boston this September. Boston is a wonderful place to host great science, educational programs, and meaningful connections with friends from all over the world.



September is an amazing time to visit Boston. I couldn't ask for a better location, a better time, or a better mix to bring us all together in this incredible and historic city.

Have a wonderful summer and see you this fall in Boston!

-RONNY



2025

OPTIONAL SESSIONS

Tuesday, September 9th**1:00 PM - 5:00 PM****PRE-SESSIONS****The 2025 AAST Neurocritical Care Update and Board Review Course**

This session will be a high-level review of modern neurocritical care concepts and practice and serve as a board exam preparation course. Neurocritical care has traditionally been a major component of both medical and surgical critical care practice but has lacked a formal subspecialty certification process that is readily open to surgical intensivists. In 2021, the American Board of Surgery announced a newly established subspecialty certification in Neurocritical Care that is a collaborative effort with the American Board of Anesthesiology and the American Board of Neurology and Psychiatry. The exam has been offered in 2021, 2022, and 2024. The Neurocritical Care board certification exam offered in 2026 by the ABPN will be the final opportunity for surgical intensivists to obtain neurocritical care certification through the practice pathway. In preparation for this exam, a very successful AAST Neurocritical Care Board Review Course has been conducted at the AAST Annual Meeting. This review course has been offered yearly, even in a non-testing year (2023), due to the level of demand. Preparation for this exam requires not only familiarization with standard neurotrauma management, but also knowledge in nonsurgical areas of neurocritical care such as acute stroke and other neurologic emergencies, neuroanatomy and MRI interpretation, and neuropharmacology. This session will provide an intense focused review covering the core topics and focus areas that will be covered on the Neurocritical Care Exam. As this is a non-testing year, we will also highlight areas with recent updates in management including TBI, neuromonitoring, and the role of craniectomy with emphasis on functional outcomes. The format will involve short didactic lectures on high-yield topics as well as case examples with sample question and answer reviews. In addition to the syllabus materials, attendees will also receive a copy of The Pocket Guide to Neurocritical Care, which will be included in the registration fee. We believe there is also an opportunity to either offer this course to virtual attendees and/or record the course and make it available for purchase through the AAST.

Moderators: Deborah Stein, MD, MPH; Tanya Egodage, MD; Purvi Patel, MD

Speakers: Matthew Martin, MD; Deborah Stein, MD, MPH; Purvi Patel, MD; Tanya Egodage, MD; Krista Kaups, MD, MS; Samuel Tisherman, MD; Anaar Siletz, MD; Kelsey Ensor, MD; Salina Wydo, MD; Jose Pascual, MD, PhD, Jay Doucet, MD, MS

Hands-on Laparoscopic Common Bile Duct Exploration Seminar

This hands-on course will provide participants with a comprehensive overview of the indications, technique, and clinical considerations for transcystic common bile duct exploration. Following a focused didactic session, participants will engage in practical skills training using simulators and commonly used equipment to reinforce key concepts and build technical proficiency.

Please note this session is broken up into two groups (both teaching the same content). Group 1 will meet from 1:00-3:30 PM EST, and Group 2 will meet from 3:30-6:00 PM EST

Moderator: Marc de Moya, MD

Speakers: TBD



The Communication Toolkit for Success in Acute Care Surgery

A unique and tailored program created to close the gap of communication skills for acute care surgeons at all levels of training and work experience. All courses include both direct teaching and coaching following didactic sessions to ensure immediate skill acquisition and application.

Gap Analysis: Surgical education and practice is appropriately focused on procedural development and knowledge acquisition without the allocation of significant time or formal programmatic elements for other accessory skills such as written and verbal communication. While individuals and institutions may address these gaps with local efforts or the pursuit of additional educational platforms away from clinical surgery, standing opportunities to address these skill deficiencies are needed. Public speaking, research presentations, dynamic meetings and negotiations, media interactions and education formats are several key examples of areas without formal training, continuing education, or standard feedback. Importantly, expansion into positions outside of the procedural realm will only be successful if these skills are obtained.

The Communications Toolkit for Acute Care Surgeons aims to provide tangible, timely, and impactful interpersonal communication skills development. Years of experience study confirm: when it comes to communication – passive learning is a start, but only through intentional practice and direct coaching can expertise be achieved.

Participants are asked to come prepared to interact and speak with the learning group and faculty candidly about a number of topics ranging broadly: personal story and branding needs, research and academic interests, difficult messages received and given, and collaborative opportunities and needs.

TANGIBLE SKILLS IN THIS SESSION INCLUDE:

1. Harnessing emotional intelligence and situational awareness cues
2. Using pace, pitch and pause processes for optimal connectivity
3. Evaluating breakdowns and failures and applying direct corrective techniques
4. Learning to give and receive feedback
5. Improving public speaking style
6. Reading and delivering effective non-verbal cues and body language
7. Creating a virtual presence to emit confidence and capability

COURSE PARTICIPANTS WILL BE INVITED TO:

1. Interact directly with course speakers/instructors to practice skills
2. Submit real world questions and challenges to the experts
3. Select one or more coaching components to focus on personal areas of need

This comprehensive communication training course will include 4 distinct sessions. Each component will include approx. 30 minutes of didactic direction and training followed by a 30-minute interactive teaching and coaching workshop (time allocation with vary based on number of participants). Faculty will rotate through speaking, moderation, and training roles accordingly.

Moderators: Shannon Foster, MD; Adrian Maung, MD; Julia Coleman, MD, MPH; Jeffry Nahmias, MD, MHPE; Jeremy Levin, MD; Simin Golestani, MD; Kaitlin Ritter, MD; Alex Brito, MD; Nicole Goulet, MD; Joshua Dilday, DO

Speakers: Lewis Kaplan, MD; Lucy Kornblith, MD; Shannon Foster, MD; Eileen Bulger, MD; Jeffry Nahmias, MD, MHPE; Paula Ferrada, MD; Jamie Coleman, MD; Bellal Joseph, MD; Marc de Moya, MD; Joseph Sakran, MD, MPA, MPH; Jason Smith, MD, PhD, MBA; Cynthia Talley, MD; Nicole Fox, MD, MPH; Adrian Maung, MD; Julia Coleman, MD, MPH; Kaitlin Ritter, MD; Alex Brito, MD; Simin Golestani, MD; Joshua Dilday, DO; Nicole Goulet, MD



OPTIONAL SESSIONS

Wednesday, September 10th

12:50 PM - 2:00 PM

LUNCH SESSIONS**Everything (almost) You Need to Know About Hospital Finances and How to Sell Return on Investment in Acute Care Surgery to the Health Care System**

Trauma and ACS Surgeon's knowledge and practical application of professional coding and billing systems has increased significantly over the years. There have been lesser gains in our knowledge of hospital finance, a more complex and opaque system but one with substantially larger impacts, financial and otherwise. To begin to fill this potential gap and enable Trauma and ACS surgeons to better interface with hospital leadership for the benefit of their programs, this lunch session aims to inform surgeons about key parts and processes of hospital finance and the associated lexicon. This includes key hospital accounting principles and common reimbursement rules and strategies. Understanding the language of hospital finance should help Trauma and ACS surgeons more effectively communicate with hospital leadership and make a strong case on the value and return on investment in Acute Care Surgery programs.

1. How Do Hospitals Get Paid: Contracts, Capitation, Base rates, CC/MCC - John Osborn, MS
2. The Bottom-Line vs the Contribution Margin: Leveraging Your Productivity in Negotiations with the Hospital - Samir Fakhry, MD
3. Calculating ROI for an Emergency General Surgery Program - Matthew Neal, MD

Moderator: Samir Fakhry, MD

Speakers: John Osborne, MS; Samir Fakhry, MD; Matthew Neal, MD

Starting from Scratch: Achieving EGS Verification for Your System

Surgeons who are considering ACS EGS-verification for their hospital would learn the essentials of what it takes from experts who have been through it. The hope is that participants return to their institutions feeling empowered to start the verification process. The session will include talks on:

1. The similarities and differences between EGS and trauma verifications
2. Administrative buy-in and resource planning
3. Strategies for developing EGS tools & processes from scratch
4. Things I wish I knew before verification
5. Panel Q & A

Moderator: Nicole Werner, MD, MS

Speakers: Jennifer Hartwell, MD; Stephanie Savage, MD, MS; Denise Abernathy, MD

Case-Based Ethical Challenges

This lunch session will highlight common challenging clinical issues encountered in critically ill adult and pediatric trauma and acute care patients. Using a case-based approach, participants will review the four principal tenants of bioethics—autonomy, non-maleficence, beneficence, and justice—and how they relate to patient care. Partnering with the AAST Geriatrics, Palliative Care, and Pediatric Trauma committee, this interactive panel will explore these complex situations in the various phases of life, the bioethical principles which can help guide clinical care, and discuss communication strategies to help patients and families navigate complex decision making.

Moderator: Kaitlin Ritter, MD

Speakers: Thaddeus Puzio, MD, MS; Mary Fallat, MD; Christopher Newton, MD; Christine Toevs, MD

Jack of All Trades, Master of Multiple - Adding Subspecialty Skills to ACS Fellowships

As Acute Care Surgery (ACS) fellowships evolve, the demand for well-rounded surgeons who can navigate both the breadth of emergency surgical care and the depth of subspecialty expertise is greater than ever. With ACS surgeons increasingly involved in robotics, burn care, military surgery, and other specialized fields, fellowship programs must strike a balance between comprehensive training and subspecialty development to ensure graduates are prepared for the full spectrum of modern surgical practice.

This dynamic session will explore the expanding role of subspecialty training within ACS fellowships, highlighting key opportunities in robotics, burn, and military surgery, as well as emerging areas that may shape the future of the field. Attendees will gain valuable insights into how these training pathways enhance clinical proficiency, career trajectories, and overall preparedness for both civilian and military practice. Expert panelists will share firsthand experiences, discuss best practices for integrating subspecialty training without compromising core ACS principles, and offer a vision for the future of ACS education.

PRESENTATION TOPICS AND SPEAKERS:

Speaker 1: Incorporating Subspecialty Training in Fellowship, *Michael Cripps, MD*

- Emerging subspecialties within ACS education
- Technological advancements shaping ACS training
- Strategies for fellowship directors to enhance subspecialty training
- Examples of ACS fellowship subtracks (e.g. pediatric surgery)

Speaker 2: Robotics and ROBO-TRACS, *Matthew Martin, MD*

- The role of robotics in trauma and acute care surgery
- Training pathways and competency development
- Challenges and opportunities for ACS fellows and programs

Speaker 3: Military Unique Curriculum, *Valerie Sams, MD*

- The unique demands of military surgical critical care
- How ACS fellowships can incorporate military-relevant training and disaster management
- Lessons from deployed surgical environments

Speaker 4: Burn Care Training in ACS Fellowships, *Stephanie Savage, MD, MS*

- Importance of burn expertise for ACS graduates
- Fellowship integration models and training approaches
- Future trends in burn critical care education

Whether you are a fellow, faculty member, or program director, this session will provide actionable strategies for optimizing ACS fellowship training in an era of increasing specialization.

Moderators: Joshua Dilday, DO; Navpreet Dhillon, MD; Milos Buhavac, MD

Speakers: Matthew Martin, MD; Valerie Sams, MD; Michael Cripps, MD; Stephanie Savage, MD, MS

After the Disaster: Managing Communications, Resources, and Yourself after Mass Casualty Incidents

Having a plan for responding to mass casualty incidents (MCIs), where needs of patients exceed hospital resources, is critical. Participation in Hospital Regional Disaster Committees as well as Disaster Management Planning are type II requirements for COT verification of all trauma centers. While resources such as the Disaster Management and Emergency Preparedness (DMEP) course serve as valuable guides to creating management plans for MCIs, there is less guidance on what to do after the needs of patients have been met. This course will aim to review how to approach the challenges trauma surgeons as team leaders, community leaders or administrators may face as the dust settles and a trauma team faces recovery and rebuilding after an MCI.

Moderators: Alex Brito, MD; Patricia Martinez Quinones, MD, PhD; Adam Fox, DO

Speakers: Jason Smith, MD, PhD, MBA; Megan Quintana, MD; Andrew Fisher, MD; Caleb Butts, MD

OPTIONAL SESSIONS

Behind Closed Doors: How to Recognize and Prevent Injury in the Surgical Workforce

Dr. Woolery was a member of the ACS Resident and Associate Society and a promising first-year general surgery resident at the Morehouse School of Medicine in Atlanta, Georgia when she was killed by her ex-husband. Like so many before her, no one knew that she had been a victim of IPV.

IPV is an underrecognized source of injury among physicians. Studies report IPV prevalence between 6% and 24%, with one study reporting an incident of 61% amongst surgeons and trainees. Recent tragedies require that the surgeon be able to recognize and mitigate the signs and symptoms amongst colleagues amongst trainees. This interactive luncheon session will discuss how to recognize IPV in the surgeon and ways to mitigate it.

Moderator: D'Andrea Joseph, MD

Speakers: Carrie Simms, MD, PhD; Christine Castater, MD, MBA; Amanda Teichman, MD; Randi Smith, MD, MPH; Kevin Simon, MD

Elements of a Well-Conducted Scientific Study—A JTACS Lunch Session

This session will feature three educational lectures followed by a moderated discussion. Dr. Tabitha Garwe will begin with "Scientific Question, Hypothesis, and Study Design," providing guidance on formulating strong research questions and selecting appropriate study methodologies. Next, Dr. Jeff Choi will present "Biostatistics 101 in Clinical Research," offering a foundational overview of key statistical concepts relevant to clinical investigations. Dr. Avery Nathens will then discuss "Using TQIP Data for Clinical Research: When and How," highlighting practical approaches to leveraging trauma quality data in research. The session will conclude with a group discussion led by Dr. Raul Coimbra.

Moderator: Raul Coimbra, MD, PhD

Speakers: Tabitha Garwe, PhD; Jeff Choi, MD; Avery Nathens, MD



Thursday, September 11th

3:00 PM - 6:00 PM

ADD-ON SESSIONS

Beyond the Grant: Diversifying Funding Opportunities Outside Traditional Mechanisms

In an increasingly competitive funding landscape, surgeon scientists and injury prevention leaders must employ adaptive and innovative strategies to sustain research, injury prevention initiatives, and translational efforts. This session will explore opportunities to diversify funding beyond traditional federal mechanisms. Participants will also learn how to strategically reposition unfunded research proposals to align with alternative funding priorities and enhance scholarly impact. Through expert-led discussions, attendees will gain insights into the development and management of non-research-based grants, community engagement best practices, and the formation of strategic partnerships with industry and community stakeholders.

Moderators: Julia R. Coleman, MD, MPH; Jonathan P. Meizoso, MD, MSPH

Speakers: Stephanie Bonne, MD; Megan L. Brenner, MD, MS; Sigrid Burrus, MD; Rachael A. Callcut, MD, MSPH; John B. Holcomb, MD; Laura J. Moore, MD; Matthew D. Neal, MD; Ben L. Zarzaur, MD, MPH.

2025 Continuous Certification Course: Mastery of Trauma Surgery Techniques and Practice: How I Do It and Papers You Need to Know

The 2025 AAST Mastery of Acute Care Surgery Course returns with renewed focus on skill acquisition and advancement. Trauma and Emergency General Surgery components will be focused on tangible takeaways for surgeons at all levels of experience and practice type. Using a combination of video, How-I-Do-It presentations, and real-world case examples, experts in the field will share best practices and “tips & tricks” for managing Trauma and Emergency General Surgery challenges. Speakers will incorporate useful references and landmark/recent scientific publications that have contributed to the skills demonstrated. These practice-leading surgeons will be available for direct audience engagement as panelists for moderated panel discussions following each presentation (Trauma/EGS).

Moderators: Shannon Foster, MD; Ryan Dumas, MD; Matthew Martin, MD; Nicole Stassen, MD; Paula Ferrada MD

Speakers: Shannon Foster, MD; Ryan Dumas, MD; Matthew Martin, MD; Nicole Stassen, MD; Paula Ferrada MD; Kenji Inaba, MD; Daniel Yeh, MD; Rachel Appelbaum, MD; Joseph Forrester, MD, MS; Walter Biffl, MD; Chad Ball, MD, MS

Leveling Up: Mastering Statistics, Study Design, and Writing to Fuel Your Career Growth

The Associate Member Council is offering its annual research course. This year’s focus will be strengthening key analytical and writing skills. Specifically, we will discuss nuances in designing robust studies and impactful writing skills.

TOPICS INCLUDE:

1. Commonly overlooked nuances of inference analysis (e.g., variable selection, directed acyclic graphs, propensity score choice, Bradford-Hill criteria)
2. Regression models beyond simple multivariable logistic/linear models (e.g., instrumental variable analysis, regression discontinuity, binomial/multilevel/Poisson regression)
3. How to navigate suboptimal sample size (e.g., bootstrapping, cross-validation, synthetic data)
4. Common misinterpretations that statistical reviewers will catch
5. Elevating writing style to deliver findings concisely and impactfully

Moderators: Navpreet Dhillon, MD; Jeff Choi, MD

Speakers: Cheryl Zogg, MD, PhD, MSPH, MHS; Molly Jarman, PhD, MPH; John Scott, MD, MPH; Joshua Brown, MD, MS

OPTIONAL SESSIONS

Friday September 12th**12:30 PM - 1:45 PM****LUNCH SESSIONS****Under the Lens: Utilizing Trauma Video Review for PI, QI, and Resident and Fellow Education**

While video review has been utilized as a tool to teach surgical techniques since the 1960's, trauma video review (TVR) was first described in the 1980s by Dr. Hoyt at the University of California, San Diego as a tool for quality improvement. Since then, TVR has been utilized in numerous quality improvement (QI), performance improvement (PI), and education initiatives including resuscitation efficiency, procedural times, and leadership skills of both the surgical and emergency medicine teams.

Developed in partnership with the Acute Care Surgery Committee's Program Directors Subcommittee, Educational Development Committee, and the Patient Assessment Committee, the AAST Associate Member Council presents this session focused on all things TVR, the purpose of this session is two-fold. First, the session will briefly touch on the "nuts and bolts" of starting a TVR program at an institution including a brief overview of the necessary technology needed and how to navigate the potential medico-legal issues that may arise throughout the process. Second, the majority of the session will focus on all of the various applications of TVR including how to use it in the setting of QI, PI, and resident and fellow education both from a technical and non-technical standpoint. Our goal is that each attendee leaves the session with a roadmap for how to both implement and utilize TVR at their institution. Our proposed speakers are leaders in the field of TVR, having started programs, published extensively in the field, and pushed the technology beyond just video review.

Moderators: Alexander Schwed, MD; Joshua Dilday, DO

Speakers: Ryan Dumas, MD; Michael Vella, MD, MBA; Daniel Holena, MD; Caitlin Fitzgerald, MD; Amelia Maiga, MD, MPH

Artificial Intelligence (AI) in Trauma/Critical Care — the Future is Now

This lunch session will feature three presenters followed by a panel discussion. The focus is to help providers understand the current state of the art as it relates to artificial intelligence (AI) in trauma and critical care.

THREE TOPICS WILL BE PROPOSED:

1. AI-Enhanced Ultrasound and Imaging Technologies - The use of AI to rapidly identify pathology in injured patients in both pre-hospital and hospital settings. Examples include AI-enhanced lung ultrasound, echocardiography, and FAST scans performed by non-expert clinicians.
2. AI-Based Clinical Decision Support in Critical Care - AI-based alerts are already demonstrating performance on par with, or better than, clinicians in early diagnosis of critical illness and patient deterioration. This talk will highlight the capabilities and limitations of AI in clinical decision-making.
3. Human and Machine Working Together? - With current legislation proposing to allow AI to prescribe medications—and, in some states, to be granted medical licenses—this discussion will address how providers can effectively use AI tools, adapt to the integration of AI in patient management, and ensure they remain relevant in the evolving landscape of healthcare.

Moderators: Randeep Jawa, MD; Joseph Cuschieri, MD

Speakers: Kristan Staudenmayer, MD, MS; Timothy Buchman, MD, PhD; Mayur Narayan, MD, MPH, MBA, MHPE; Haytham Kaafarani, MD, MPH



Hot off the Press: Newly Published Organ Injury Scales and AAST-COT Clinical Protocols

The AAST Patient Assessment Committee has recently produced important clinical content that the membership at large may not be familiar with. This session would highlight this information in a quick, high-yield format. Specifically, the work to be covered is:

SPECIFICALLY, THE WORK TO BE COVERED INCLUDES:

1. 2025 Revision Kidney OIS
(DOI: 10.1097/TA.0000000000004509)
2. 2024 Revision Pancreas OIS
(DOI: 10.1097/TA.0000000000004522)
3. AAST-COT clinical protocol for postdischarge venous thromboembolism prophylaxis after trauma
(DOI: 10.1097/TA.0000000000004307)
4. AAST-COT clinical protocol for damage-control resuscitation for the adult trauma patient
(DOI: 10.1097/TA.0000000000004088)
5. AAST-COT clinical protocol on chest wall injury
(AWAITING PUBLICATION)

Presentations will focus on the important content, e.g., how the OIS changed or explaining the clinical protocol. Presentations will also include some of the rationale behind the decisions made during development. There is a planned 5-10 minutes at the end for questions.

Moderators: Krista Kaups, MD, MS; Nicole Werner, MD, MS

Speakers: Sorena Keihani, MD; Allison Berndson, MD; Laura Haines, MD; Lacey LaGrone, MD, MPH, MA; Milos Buhavac, MD

Before the Door: Advances and Future Horizons in Prehospital Trauma and ACS Care

This lunch session, featuring panelists from across the healthcare spectrum, will explore recent advances in prehospital care for trauma and acute care surgery patients. The panel will explore the considerations and challenges in the design and implementation of new technologies and the results of advances such as mobile ECMO units, telemedicine and AI in clinical decision-making assistance, and prehospital hemorrhage control. The role of physician staffing in prehospital EMS teams and its potential for aiding in military preparedness will also be discussed. The goals of this session include reviewing these new advances and technologies, as well as discussing challenges to implementation with the hopes of inspiring other trauma surgeons to bring these ideas back to their institutions/prehospital systems.

Moderators and Speakers: TBD

Surgical Emergencies in the Post-Bariatric Surgery Patient: Management Principles for the Acute Care Surgeon

This session will provide a focused educational review of bariatric surgical procedures, highlighting both early and late complications. The session will conclude with a panel discussion featuring complex post-bariatric surgery complications, exploring operative management options and postoperative care considerations.

SESSION OBJECTIVES

1. Describe the anatomic modifications associated with common bariatric procedures.
2. Identify and manage early and late complications of bariatric surgery.
3. Develop strategies for managing bariatric complications for the acute care surgeon.

Moderators: Jason Butler, MD; Ashley Meagher, MD, MPH

Speakers: Matthew Martin, MD; Alec Beekley, MD; Kovi Bessoff, MD; Caitlin Fitzgerald, MD

OPTIONAL SESSIONS

Exactly How Peds Ready Are You?

The data is compelling: being ready to care for children in a trauma center simply saves lives. The annual Pediatric Trauma Society (PTS) and the AAST Peds Committee lunch session will explore the many aspects of the NPRP Peds Ready Program required for all trauma centers.

An expert panel will cover key topics with the objective of helping every trauma program, no matter how many children you normally care for. The first speaker from the EITC Trauma Committee will discuss the elements of the Peds Ready Program, some of the resources available, and perspectives about what scores to strive for.

The second topic will explore the Pediatric Readiness Program from a trauma systems lens, covering aspects of rural communities, pre-hospital care, and complex needs patients. Finally, we will cover some of the most impactful examples of how higher-level centers serve as pediatric trauma mentors to others in their region. You will come away from this session with guidance about some of the most meaningful elements to focus on to elevate the care of children both within your center and throughout your region.

Moderator: Eileen Bulger, MD

Speakers: John Petty, MD; Aaron Jensen, MD, MS; Mary Fallat, MD; Christopher Newton, MD

All general sessions, lunch sessions, add-on/pre-sessions (except the Laparoscopic course), posters, and the Military Track will be available for viewing after the meeting.

Archived content will be available three days after the live session date (example, the sessions on Wednesday will be available beginning Saturday on the virtual site). Please note viewing of archived content - whether you are a virtual or on-site attendee - can count towards your total CME count. Stay on the lookout for correspondence regarding the On-Demand site!

AAST VIRTUAL GRAND ROUNDS



SCAN HERE TO VIEW DATES

DISCOVER THE FOREFRONT OF SURGICAL EXPERTISE AND CRITICAL CARE ADVANCEMENTS WITH AAST'S VIRTUAL GRAND ROUNDS WEBINAR SERIES.

As a leading scholarly organization for trauma surgeons and dedicated professionals in the field, the American Association for the Surgery of Trauma invites you to join their web-based educational series.

Immerse yourself in an exceptional learning experience, where renowned experts will share their invaluable insights, innovative approaches, and cutting-edge research. Don't miss this unparalleled opportunity to expand your knowledge and elevate your practice. Mark your calendars for upcoming dates by scanning below! Elevate your skills and connect with the brightest minds in trauma care at an AAST Virtual Grand Rounds.

Schedule

AT A GLANCE

Monday, September 8, 2025

7:30 AM - 4:00 PM Emergency Surgery Course (ADDITIONAL FEE)

Tuesday, September 9, 2025

7:30 AM - 4:00 PM Emergency Surgery Course (ADDITIONAL FEE)

7:30 AM - 4:30 PM AAST Board of Managers Meeting

7:30 AM - 6:00 PM Registration

8:00 AM - 5:00 PM 3rd Annual AAST Fallen Surgeons Military Educational Symposium (ADDITIONAL FEE)

10:00 AM - 1:00 PM AAST #STOPTHEFALL Community Outreach Event, Presented By the AAST Geriatric and Prevention Committees (INVITE ONLY)

Pre-Sessions

1:00 PM - 5:00 PM THE 2025 AAST NEUROCRITICAL CARE UPDATE AND BOARD REVIEW COURSE

1:00 PM - 3:30 PM HANDS-ON LAPAROSCOPIC COMMON BILE DUCT EXPLORATION SEMINAR (TWO SESSIONS AVAILABLE - SAME CONTENT): SESSION I

1:00 PM - 5:00 PM THE COMMUNICATION TOOLKIT FOR SUCCESS IN ACUTE CARE SURGERY

3:30 PM - 6:00 PM HANDS-ON LAPAROSCOPIC COMMON BILE DUCT EXPLORATION SEMINAR (TWO SESSIONS AVAILABLE - SAME CONTENT): SESSION II

Wednesday, September 10, 2025

6:30 AM - 7:30 AM Resident/Student/In-training Fellow Breakfast
Presenter: Kimberly Davis, MD, MBA

6:30 AM - 6:00 PM Registration

6:45 AM - 7:45 AM Committee Meetings I
DEI, GERIATRICS, PALLIATIVE CARE, HEALTHCARE ECONOMICS, CRITICAL CARE, COMMUNICATIONS

7:30 AM - 8:30 AM Breakfast

ONGOING Mother's Room

8:00 AM - 8:45 AM Welcome

8:45 AM - 9:45 AM Session I: Plenary Papers 1-8

Moderator: Ronald Stewart, MD; Recorder: Raminder Nirula, MD MPH

CHILLING THE NERVE, EASING THE PAIN: A RANDOMIZED CLINICAL TRIAL EVALUATING SURGEON-ADMINISTERED BEDSIDE PERCUTANEOUS CRYONEUROLYSIS FOR RIB FRACTURE PAIN

SPLENIC ARTERY EMBOLIZATION IS ASSOCIATED WITH SPLENIC SALVAGE EVEN WHEN ANGIOGRAPHY IS NEGATIVE: AN AAST MULTI-INSTITUTIONAL STUDY

WHAT'S A TRAUMA SURGEON WORTH? A 2025 RE-EXAMINATION OF THE QUESTION POSED IN 2000

ANTI-IMPULSE THERAPY FOR BLUNT THORACIC AORTIC INJURY: DOES IT AFFECT OUTCOMES IN PATIENTS WITH CONCOMITANT TRAUMATIC BRAIN INJURY?

MEETING EVENTS

ACUTE TRAUMATIC PAIN TREATMENT WITH KETAMINE DECREASED PTSD AND ANXIETY SYMPTOMS 6 MONTHS POST HOSPITAL DISCHARGE

ENDOTHELIAL PROTEIN C RECEPTOR RS867186 VARIANT ALLELE IS ASSOCIATED WITH PULMONARY EMBOLISM IN BLEEDING TRAUMA PATIENTS

EFFECTIVENESS OF PRE-EMPTIVE TARGETED MUSCLE REINNERVATION IN DECREASING THE POSTAMPUTATION PAIN IN AN ACUTELY INJURED PATIENTS UNDERGOING ABOVE KNEE AMPUTATION

THE COST OF DELAY: EVALUATING THE EFFECTIVENESS OF TIERED OPERATING ROOM POSTINGS ON PATIENT OUTCOMES

11:25 AM - 11:50 AM Break in the Exhibit Hall

11:50 AM - 12:50 PM **Session II: Presidential Address**

"Harmoniously Spanning the Divide: What the World Could Needs to Learn from Trauma System Development"

Presenter: Ronald Stewart, MD

12:50 PM - 2:00 PM **Lunch Sessions I**

EVERYTHING (ALMOST) YOU NEED TO KNOW ABOUT HOSPITAL FINANCES AND HOW TO SELL RETURN ON INVESTMENT IN ACUTE CARE SURGERY TO THE HEALTH CARE SYSTEM

STARTING FROM SCRATCH: ACHIEVING EGS VERIFICATION FOR YOUR SYSTEM

JACK OF ALL TRADES, MASTER OF MULTIPLE - ADDING SUBSPECIALTY SKILLS TO ACS FELLOWSHIPS

CASE-BASED ETHICAL CHALLENGES

AFTER THE DISASTER: MANAGING COMMUNICATIONS, RESOURCES, AND YOURSELF AFTER MASS CASUALTY INCIDENTS

BEHIND CLOSED DOORS: HOW TO RECOGNIZE AND PREVENT INJURY IN THE SURGICAL WORKFORCE

ELEMENTS OF A WELL-CONDUCTED SCIENTIFIC STUDY - A JTACS LUNCH SESSION

12:50 PM - 2:00 PM Lunch on own (IF NOT ATTENDING A LUNCH SESSION)

2:10 PM - 5:30 PM **Session IIIA: Papers 9-18**

Moderator: Christine Gaarder, MD, PhD; Recorder: Krista Kaups, MD, MS

A 2-GRAM BOLUS OF TXA IN PATIENTS WITH MODERATE OR SEVERE TBI MAY BE PROTECTIVE IN MALES BUT NOT IN FEMALES

TXA AFTER SEVERE TBI: BENEFITS IN LEARNING AND MEMORY PROMINENT IN MALES, LESS PERVASIVE IN FEMALES.

PREHOSPITAL TRANEXAMIC ACID BOLUS IMPROVES OUTCOMES IN TRAUMATIC BRAIN INJURY: A BAYESIAN REANALYSIS OF THE PREHOSPITAL TXA FOR TBI TRIAL

TRANEXAMIC ACID BOLUS PLUS DRIP PARADOXICALLY INCREASES COMPLEMENT ACTIVATION: A PATCH TRIAL SECONDARY STUDY

A SMALL MOLECULE THERAPEUTIC TARGETING THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY ATTENUATES TRAUMA-INDUCED ACUTE LUNG INJURY

FLUID-FOCUSED RESUSCITATION ENHANCES ORGAN RECOVERY IN SEPTIC EGS PATIENTS: A TIME-VARYING ANALYSIS

MICROVESICLES IN STORED HUMAN WHOLE BLOOD INCREASE THROMBIN GENERATION VIA PHOSPHATIDYLSERINE

ROLE OF PEPTIDYLARGININE DEAMINASE 2 IN A MURINE MODEL OF TRAUMATIC BRAIN INJURY

INTRAVENOUS AC01 SELECTIVELY TARGETS INJURED SPINAL NEURONS AND DISPLAYS NEUROPROTECTIVE ACTION

DAILY STRESS FOLLOWING TRAUMATIC BRAIN INJURY INDUCES UNIQUE DIFFERENTIAL NEUROINFLAMMATORY GENE TRANSCRIPTION COMPARED TO INJURY ALONE.

MEETING EVENTS

2:10 PM - 5:30 PM

Session IIIB: Papers 19-28*Moderator: TBA; Recorder: Nicole Fox, MD, MPH*

SCHEDULING THE ACS SURGEON: MINIMIZING ERROR RISK

THE UNWRITTEN COST OF TRANSFER: SMALL BOWEL OBSTRUCTION TRANSFERS TO HIGHER LEVEL OF CARE LARGELY AFFECT SOCIOECONOMICALLY DISADVANTAGED PATIENTS

BEYOND THE BLUSH: IS ANGIOEMBOLIZATION NECESSARY FOR STABLE GRADE III LIVER INJURIES?

CLOSING THE GAP BETWEEN EVIDENCE AND PRACTICE: UNDERUTILIZATION OF SAME-ADMISSION CHOLECYSTECTOMY IN MILD ACUTE BILIARY PANCREATITIS - A MULTICENTER PROSPECTIVE STUDY

IS IT TIME TO UNBUNDLE THE 'TRACH-PEG' DURING TBI RECOVERY?

REASSESSING THE TIMING OF PEG TUBE PLACEMENT: TOO MANY TOO SOON

DIVERTING LOOP ILEOSTOMY WITH ANTEGRADE COLONIC LAVAGE V.S. COLECTOMY IN FULMINANT C. DIFFICILE COLITIS: A DECADE-LONG PROPENSITY SCORE-MATCHED ANALYSIS OF SURGICAL OUTCOMES

TO IMAGE OR NOT TO IMAGE: THE ROLE OF PRE-OPERATIVE IMAGING IN OSTOMY REVERSAL AFTER TRAUMA

WHOLE BLOOD LOSES ABILITY TO CORRECT TPA-MEDIATED HYPERFIBRINOLYSIS DURING STORAGE

TO PACK OR PLUG: AAST MULTICENTER EVALUATION OF HEMORRHAGE CONTROL STRATEGIES IN PELVIC FRACTURE MANAGEMENT

5:30 PM - 6:30 PM

Welcome Reception with Exhibitors (IN THE EXHIBIT HALL)

6:30 PM - 8:30 PM

WITS Reception

Thursday, September 11, 2025

6:15 AM - 7:15 AM

Networking Breakfast

6:15 AM - 7:15 AM

Committee Meetings II
INTERNATIONAL RELATIONS, PREVENTION, EGS AD HOC, ACUTE CARE SURGERY

7:00 AM - 2:00 PM

Registration

7:00 AM - 2:00 PM

Exhibit Hours

7:00 AM - 8:00 AM

Breakfast in Exhibit Hall

ONGOING

Mother's Room

7:30 AM - 9:30 AM

Session IV: Papers 29-34*Moderator: Lucy Kornblith, MD; Recorder: Walter Biffl, MD*

REBOA COE DESIGNATION AND PARTIAL OCCLUSION IS ASSOCIATED WITH REDUCED MORTALITY, RESUSCITATION VOLUME, AND END-ORGAN DAMAGE

NO INJURY LEFT BEHIND: EFFECTS OF IMPLEMENTING A UNIVERSAL SCREENING PROTOCOL FOR BLUNT CEREBROVASCULAR INJURY AT A LEVEL 1 TRAUMA CENTER

OPTIMIZATION OF PLATELET-DERIVED EXTRACELLULAR VESICLE PREPARATION FOR HEMOSTATIC EFFICACY DURING MAJOR HEMORRHAGE

REPEAT IMAGING OF HIGH-GRADE BLUNT SPLEEN AND LIVER INJURIES IN PEDIATRIC TRAUMA PATIENTS ALLOWS FOR EARLIER IDENTIFICATION OF COMPLICATIONS: RESULTS OF THE RADIOGRAPHIC EVALUATION OF DELAYED SOLID ORGAN COMPLICATIONS (REDSOC) EAST MULTICENTER TRIAL

PARTIAL AORTIC OCCLUSION DURING HEMORRHAGIC SHOCK PRESERVES THE INTESTINAL PERFUSION

DIRECT PERITONEAL RESUSCITATION VS OPEN ABDOMEN ALONE IN TRAUMA AND EMERGENCY GENERAL SURGERY: EARLY RESULTS OF A SINGLE-CENTER RANDOMIZED TRIAL

9:30 AM - 9:50 AM

Break

MEETING EVENTS

9:50 AM - 10:50 AM

Session V: Panel I

"Looking to the Future: Developing a National Trauma & Emergency Preparedness System (NTEPS)"

What is NTEPS? Jeffrey Kerby, MD, PhD

Preparing for Large Scale Combat Operations: The NDMS Pilot, Jeffrey Freeman, PhD, MPH

Developing Regional Medical Operations Centers: The RDHRS Program, Charity Evans, MD, MS

Regionalized efforts for Pediatric Preparedness, Chris Newton, MD

10:50 AM - 11:15 AM

Session VI: Scholarship Presentations

Melike Harfouche, MD, MPH; "EVALUATION OF HEMORRHAGE CONTROL TECHNIQUES IN HEMODYNAMICALLY UNSTABLE PELVIC FRACTURES: A FEASIBILITY STUDY"

Lacy LaGrone, MD, MPH, "TRAUMA CLINICAL GUIDANCE OPTIMIZED FOR THE END-USER: A MIXED-METHODS, OBSERVATIONAL AND CONSENSUS-BUILDING INTERVENTION OF, AND BY, THE INJURY COMMUNITY"

Grace Martin Nizolek, MD, "DETERMINING THE IMPACT OF TRAUMATIC BRAIN INJURY AND HEMORRHAGIC SHOCK ON THE CEREBRAL VASCULAR ENDOTHELIUM"

Patricia Martinez Quinones, MD, PhD: ASSOCIATE MEMBER MENTORING SCHOLAR

11:15 AM - 12:15 PM

Session VII: Fitts Lecture

"Forged in the Crucible of Life and Death: Built Upon Legacy and Bound by Mission"

Presenter: Brian Eastridge, MD

12:30 PM - 1:30 PM

Session VIII: Poster Session

Group One: Shock/Preclinical/Translational

Group Two: Injury Prevention, Access to Care

Group Three: Injury/EGS Special Populations I

Group Four: Organ-based Trauma (includes soft tissue, head and neck/extremity and vascular/thoracic)

Group Five: Abdominal Trauma

Group Six: Injury/EGS Special Populations II

Group Seven: Trauma Systems

Group Eight: Neurotrauma

1:30 PM - 2:00 PM

Grab n' Go Lunch with Exhibitors (AAST SPONSORED)

1:45 PM - 2:45 PM

NEW! Session IX: Evolution of Trauma Resuscitation Over the Last Decade

Moderator: Paula Ferrada, MD

Whole Blood Resuscitation - Where Are We Now?, Bellal Joseph, MD

Early Plasma and the Shift to Hemostatic Resuscitation, Elizabeth Benjamin, MD, PhD

Prehospital Changes: From EMS to the Trauma Bay, Juan Duchesne, MD

Resuscitation in Action - Case-Based Challenges, Stephen Varga, MD

2:45 PM - 3:00 PM

Nothing to Fear, Surgical Critical Care EPAs are Here

Presenters: Saman Arbabi, MD, MPH; Trauma, Burn, Surgical Critical Care Board Members

3:00 PM - 5:30 PM

JTACS Editorial Board Meeting (INVITE ONLY)

3:00 PM - 6:00 PM

Add-on Sessions

BEYOND THE GRANT: DIVERSIFYING FUNDING OPPORTUNITIES OUTSIDE TRADITIONAL MECHANISMS

2025 CONTINUOUS CERTIFICATION COURSE: MASTERY OF TRAUMA SURGERY TECHNIQUES AND PRACTICE: HOW I DO IT AND PAPERS YOU NEED TO KNOW

LEVELING UP: MASTERING STATISTICS, STUDY DESIGN, AND WRITING TO FUEL YOUR CAREER GROWTH

MEETING EVENTS

- 3:00 PM - 7:00 PM Leadership Academy (INVITE ONLY)
- 5:00 PM - 8:00 PM SCCPDS Board of Directors Meeting (INVITE ONLY)
- 6:00 PM - 7:30 PM Associate Member Business Meeting
(AAST ASSOCIATE MEMBERS ONLY)

Friday, September 12, 2025

- 6:15 AM - 7:15 AM International Attendee Breakfast
- 6:15 AM - 7:15 AM Board of Managers Meeting (INVITE ONLY)
- 6:15 AM - 7:15 AM Committee Meetings III
MILITARY, PEDIATRIC, PATIENT ASSESSMENT, EDUCATION, ACS PROGRAM DIRECTORS
- 7:00 AM - 3:00 PM Registration
- 7:00 AM - 11:00 AM Exhibit Hours
- 7:00 AM - 8:00 AM Breakfast in Exhibit Hall
- ONGOING Mother's Room
- 7:30 AM - 10:10 AM **Session X: Papers 35-42**
Moderator: Babak Sarani, MD; Recorder: Martin Zielinski, MD
TIMING THE FEED: THE IMPACT OF EARLY ENTERAL NUTRITION ON ABDOMINAL TRAUMA OUTCOMES AFTER ANASTOMOSIS

OUTCOMES AFTER SPLENIC INJURY IN GERIATRIC TRAUMA: IS SPLENIC EMBOLIZATION HELPFUL?

SEAL OF APPROVAL: CELOX GRANULES ARE AN EFFECTIVE TOOL FOR HEMORRHAGE CONTROL IN BLUNT AND PENETRATING CIVILIAN TRAUMA PATIENTS

PLATELET FUNCTION ASSAYS FAIL TO DETECT DIFFERENCES BETWEEN TRANSFUSION OF COLD OR ROOM TEMPERATURE PLATELETS IN TRAUMATIC BRAIN INJURY PATIENTS

A NATIONWIDE COMPARISON OF ICP MONITORING DEVICES IN PEDIATRIC SEVERE TBI: IMPACT ON SURGICAL INTERVENTION AND MORTALITY

AORTIC CARDIOPULMONARY RESUSCITATION IN TRAUMA: CONTROLLED EXTRACORPOREAL CPR SIGNIFICANTLY OUTPERFORMS CONVENTIONAL RESUSCITATIVE THORACOTOMY IN A PORCINE MODEL OF EXSANGUINATION CARDIAC ARREST

EVERY HOUR COUNTS: VENOUS THROMBOEMBOLISM PROPHYLAXIS AFTER SPINAL TRAUMA

A NOVEL FILTRATION DEVICE TO INCREASE THE EFFICACY OF PLASMA IN HEMORRHAGIC EVENTS
- 9:00 AM - 4:30 PM AAST Pipeline Program Workshop
- 10:10 AM - 10:50 AM **NEW!** Raffle with Exhibitors
- 10:50 AM - 11:20 AM **Session XI: Expert Surgeon Lecture**
"Colon Injury: Tracking the Advances in Surgical Management"
Presenter: Timothy Fabian, MD
- 11:20 AM - 12:20 PM **Session XII: Panel II**
"Blood Product Based Resuscitation: State of the Science"
Moderator: Rosemary Kozar, MD, PhD
Invitees: Donald Jenkins, MD, Matthew Neal, MD and Jennifer Gurney, MD
- 12:30 PM - 1:45 PM TSACO Editorial Meeting (INVITE ONLY)
- 12:20 PM - 1:45 PM Lunch on own (IF NOT ATTENDING LUNCH SESSION)
- 12:30 PM - 1:45 PM **Lunch Sessions II**
UNDER THE LENS: UTILIZING TRAUMA VIDEO REVIEW FOR PI, QI, AND RESIDENT AND FELLOW EDUCATION

ARTIFICIAL INTELLIGENCE (AI) IN TRAUMA/CRITICAL CARE - THE FUTURE IS NOW

HOT OFF THE PRESS: NEWLY PUBLISHED ORGAN INJURY SCALES AND AAST-COT CLINICAL PROTOCOLS

MEETING EVENTS

2:00 PM - 5:00 PM

BEFORE THE DOOR: ADVANCES AND FUTURE HORIZONS IN PREHOSPITAL TRAUMA AND ACS CARE

SURGICAL EMERGENCIES IN THE POST-BARIATRIC SURGERY PATIENT: MANAGEMENT PRINCIPLES FOR THE ACUTE CARE SURGEON

EXACTLY HOW PEDS READY ARE YOU?

Session XIII A: Papers 43-51

Moderator: Marta McCrum, MD, MPH; Recorder: Michael Cripps MD

ASSESSING EQUITY WITHIN TRAUMA CENTERS: A CALL TO INTEGRATE EQUITY MEASURES INTO QUALITY IMPROVEMENT PROGRAMS

THE IMPACT OF VIOLENCE INTERVENTION PROGRAMS ON POST-DISCHARGE SERVICES AMONG PATIENTS INJURED BY GUNFIRE: REVIEW OF A MULTICENTER DATABASE

DEVELOPMENT AND VALIDATION OF THE AIR MEDICAL INTERFACILITY TRIAGE SCORE: PREDICTING THE BENEFIT OF INTERFACILITY HELICOPTER TRANSPORT FOR TRAUMA PATIENTS

STATE-LEVEL VARIABILITY IN DISCHARGE TO INPATIENT REHABILITATION AFTER SEVERE TRAUMATIC INJURIES

RADIOGRAPHIC PROGRESSION GUIDELINES FOR WORSENING TRAUMATIC BRAIN INJURY ON HEAD CT SCANS

INTRACRANIAL HEMORRHAGE IN ISOLATION: IS THE SUM BETTER THAN ITS PARTS? AN ANALYSIS OF THE MODIFIED BRAIN INJURY GUIDELINES

REMOTE TELEMENTORING LEADS TO ORTHO TRAUMA AND ORTHOPLASTIC SURGICAL INDEPENDENCE IN A HUMANITARIAN CRISIS

IMPLEMENTATION OF A SMARTPHONE BASED ULTRASOUND PROGRAM TO IMPROVE TIMELY DIAGNOSIS OF LIFE-THREATENING INJURIES IN CAMEROON: RESULTS FROM A PROSPECTIVE, MULTISITE FEASIBILITY STUDY

DISCHARGE FUNCTIONAL STATUS AND PREDICTORS OF ALL-CAUSE GERIATRIC TRAUMA READMISSION ACROSS A MATURE TRAUMA NETWORK

2:00 PM - 5:00 PM

Session XIII B: Papers 52-60

Moderator: David Blake, MD, MPH; Recorder: Mathew Neal, MD

LACTATE MODULATES TGF- β 1- AND IL-18-INDUCED TRANSCRIPTIONAL PROGRAMS IN HUMAN DERMAL FIBROBLASTS: POTENTIAL IMPLICATIONS FOR WOUND MANAGEMENT.

PLATELET RECEPTOR SHEDDING: AN IN VITRO STUDY IN SHOCK RELATED PLATELET FUNCTIONAL IMPAIRMENT

THE PYRUVATE KINASE ACTIVATOR TEPP-46 SUPPRESSES VESSEL LEAKAGE INDUCED BY SEVERE BURN

EOTAXIN & MCP-1 DOMINATE TIME-DEPENDENT CHEMOKINE SIGNATURES IN TRAUMATIC BRAIN INJURY

BLUNT TRAUMA INDUCES A PRO-INVASIVE TRANSCRIPTIONAL PROGRAM IN ISOLATED CIRCULATING HUMAN NEUTROPHILS

TRAUMA-INDUCED ALTERATIONS IN BONE MARROW EXOSOME MIRNA PROFILES

GERIATRIC TRAUMA COAGULATION PROFILES: IMPACT OF GENDER ON CLOT FORMATION

DOES CORRECTING PLATELET INHIBITION DESPITE NORMAL TEG MA IMPROVE OUTCOMES IN ISOLATED NEUROSURGICAL TRAUMA?

WHOLE BLOOD RESUSCITATION IS ASSOCIATED WITH DECREASED END-ORGAN DYSFUNCTION IN PEDIATRIC TRAUMA PATIENTS

5:30 PM - 7:00 PM

AAST Business Meeting (AAST MEMBERS ONLY)

7:00 PM - 7:30 PM

Reception
PHOTO OPPORTUNITY & CERTIFICATE PICKUP FOR 2023-2024 NEW FELLOW MEMBERS AND 2025 NEW ASSOCIATE MEMBERS

7:30 PM - 11:00 PM

Auction and Banquet

Saturday, September 13, 2025

7:00 AM - 8:00 AM New Member Breakfast

7:30 AM - 10:00 AM Registration (IF NEEDED)

ONGOING Mother's Room

7:00 AM - 8:00 AM Breakfast

8:00 AM - 9:18 AM **Session XIV: Quickshot Session I 1-13**

Moderator: Lillian Kao, MD, MBA, MS

PERSONALIZED STROKE RISK IN BLUNT CEREBROVASCULAR INJURY (BCVI): AN INTERACTIVE ONLINE TOOL

TO DIVERT OR NOT TO DIVERT: RETHINKING PROXIMAL DIVERSION IN ISOLATED NON-DESTRUCTIVE PENETRATING RECTAL TRAUMA

THE IMPACT OF MEDICAID POLICIES ON REDUCING INSURANCE-BASED DISPARITIES IN COMPLICATED APPENDICITIS RATES: A 30-YEAR ANALYSIS

TRAUMATIC INJURY IN PREGNANCY - AN AAST-SPONSORED MULTI-INSTITUTIONAL REVIEW OF FETAL OUTCOMES

IS IT TIME TO RETIRE THE INJURY SEVERITY SCORE (ISS)? ISS IS OUT, REAL-TIME MACHINE LEARNING-ISS (RT-MLISS) IS IN.

HAVE WE LEVELED THE PLAYING FIELD IN ACCESS TO PELVIC ANGIOEMBOLIZATION IN PATIENTS WITH PELVIC FRACTURE ASSOCIATED HEMORRHAGE? A MULTICENTER AAST STUDY

TRANEXAMIC ACID ADMINISTRATION FOLLOWING SHOCK: PROTECTIVE OR INJURIOUS EFFECTS ON THE MICROCIRCULATION?

PROLONGED PARTIAL AORTIC OCCLUSION WORSENS NEUROLOGIC OUTCOMES WITHOUT AFFECTING BRAIN LESION SIZE IN A SWINE MODEL OF TRAUMATIC BRAIN INJURY AND HEMORRHAGE

TBI IN MICE AND PIGS INCREASES SUSCEPTIBILITY TO BACTERIAL PNEUMONIA BY MODULATING THE INNATE IMMUNE RESPONSE

HIGH FFP:PRBC RATIOS ARE ASSOCIATED WITH LOWER RATES OF AKI AND ARDS IN TQIP: A PROPENSITY SCORE MATCHED ANALYSIS

DELAYED-PHASE CT IN HIGH-GRADE RENAL TRAUMA: INCREASED INTERVENTIONS WITHOUT IMPROVED OUTCOMES AND THE PREDICTIVE VALUE OF SYMPTOMS AT FOLLOW-UP

REEVALUATING C-SPINE CLEARANCE: THE ROLE OF MRI AFTER NEGATIVE CT IN BLUNT TRAUMA PATIENTS

LEFT BEHIND: ASSOCIATION OF PREHOSPITAL FIELD UNDER-TRIAGE AND OUTCOMES AFTER INJURY

9:18 AM - 9:40 AM Break

9:40 AM - 10:58 AM **Session XV: Quickshot Session II 14-26**

Moderator: Kimberly Davis, MD, MBA

LOW MORTALITY IN SEVERE BLUNT AND PENETRATING TRAUMA WITH AN INSTITUTIONAL REBOA PROTOCOL

BREAKING PROTOCOL: SHOULD DESTRUCTIVE COLON INJURIES BE MANAGED DIFFERENTLY IN A BALANCED BLOOD PRODUCT RESUSCITATION ERA?

HEALTHCARE COSTS AFTER OPERATIVE VS. NON-OPERATIVE APPENDICITIS MANAGEMENT

THE METABOLIC PROFILE OF PERITONEAL FLUID FROM TRAUMA PATIENTS UNDERGOING DAMAGE CONTROL LAPAROTOMY (DCL)

ENDOVASCULAR VERSUS OPEN REVASCULARIZATION FOR BLUNT SUPERIOR MESENTERIC ARTERY (SMA) INJURY: ANALYSIS OF THE TQIP DATABASE

THORACIC BRANCH ENDOPROSTHESIS AS SAFE ALTERNATIVE THERAPY FOR BLUNT TRAUMATIC AORTIC INJURY REQUIRING ZONE 2 COVERAGE

"ALL IN GOOD TIME" - THE LIBERAL UTILIZATION OF TEMPORARY INTRAVASCULAR SHUNTING BY TRAUMA SURGEONS TO IMPROVE RESOURCE UTILIZATION IS SAFE AND EFFECTIVE FOR PENETRATING PERIPHERAL VASCULAR TRAUMA

MEETING EVENTS

UTILITY OF TRANSVERSUS ABDOMINIS PLANE BLOCK IN TRAUMA AND EMERGENCY GENERAL SURGERY LAPAROTOMY: A QUALITY IMPROVEMENT PROJECT

PRIMARY CARE ACCESS IS ASSOCIATED WITH IMPROVED LONG-TERM SURVIVAL AFTER SEVERE TRAUMATIC INJURY

DON'T FORGET THE CRYOPRECIPITATE: THE IMPACT OF THE 2019 JOINT TRAUMA SYSTEM DAMAGE CONTROL RESUSCITATION CLINICAL PRACTICE GUIDELINE ON MORTALITY

TRAUMA AND EMERGENCY SURGICAL CARE AT FACILITIES ELIGIBLE FOR RURAL EMERGENCY HOSPITAL DESIGNATION.

ASSESSMENT OF PREHOSPITAL AIRWAY MANAGEMENT IN THE SETTING OF TRAUMA: AN AMERICAN ASSOCIATION FOR THE SURGERY OF TRAUMA MULTICENTER STUDY

IMPACT OF YOGA INTERVENTION ON FUNCTIONAL ASSESSMENT AND QUALITY OF LIFE IN PELVIC INJURIES PATIENTS -A RANDOMIZED CONTROLLED TRIAL

11:00 AM

Meeting Adjourned

SCHEDULE SUBJECT TO CHANGE. PLEASE CHECK CONFERENCE APP AND ONLINE PROGRAM BOOK FOR MOST UP-TO-DATE SCHEDULE AND ROOM NAMES.

Exhibitors AAST 2025

AS OF MAY 21ST



American College
of Surgeons
(ACS) Emergency
General Surgery
Verification
Program

American Trauma
Society

AROA Biosurgery

Beeken
Biomedical

Cerus
Corporation

CLR Medical

Coalition for
National Trauma
Research

Excelsior Surgical
Society

Haemonetics

Humacyte
Global Inc.

Integra
LifeSciences

InventoRR
MD Inc.

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Johnson
MedTech

Kerecis

KLS Martin

LifeNet Health

Omni-stat
Medical Inc.

Prytime Medical
Devices, Inc.

Synapse
Biomedical Inc.

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Trauma Center
Association of
America

Trauma Surgery &
Acute Care Open

TRAUMAGEL

Wellstar Health
System



**3rd Annual AAST Sponsored
MILITARY FALLEN SURGEONS
EDUCATIONAL SYMPOSIUM**
September 9, 2025
Boston, MA



Join Us for the Second Annual Networking Breakfast hosted by the AAST DEI Committee!

Calling all surgical trainees and faculty members! Are you looking to connect with others in the acute care surgery community who are committed to building a welcoming and supportive professional environment—including AAST leadership?

Look no further! You're invited to an exclusive networking breakfast hosted by engaged AAST members and faculty who are passionate about creating opportunities for meaningful connection, mentorship, and collaboration.

Supporting Excellence and Opportunity in Acute Care Surgery

What to Expect:

- Small, round-table, moderated discussions with trainees and surgeons at all stages of their careers
- Insight and guidance on research in acute care surgery
- Mentorship and conversation with senior members of the field
- Advice on personal and professional growth from AAST members and leaders
- Breakfast provided in a friendly, open atmosphere

Discussion topics include:

- Mentorship
- Research focused on health outcomes and access to care
- Health services and outcomes research
- Career and professional development



DATE: Thursday, September 11, 2025

TIME: 6:15 AM - 7:15 AM

Don't miss this valuable opportunity to connect, share, and grow within a community that supports the next generation of acute care surgeons.

RSVP NOW TO SECURE YOUR SPOT!

Contact Kaitlyn Sanders at ksanders@aast.org for more information.

Let's continue building a stronger, more connected future for acute care surgery. See you at the breakfast!

HOTEL INFORMATION

Hotel Information

Boston Marriott Copley Place
110 Huntington Avenue
Boston, MA
617-236-5800

Booking Your Room:

A block of rooms has been reserved at the Boston Marriott Copley Place at the group rate of \$315 single/double per night, plus tax. This includes access to the hotel's fitness center and guest room internet.

RESERVATIONS CAN BE MADE BY VISITING [HERE](#) OR CALLING 888-236-2427. PLEASE REFERENCE: AMERICAN ASSOCIATION FOR THE SURGERY OF TRAUMA (AAST) ANNUAL MEETING.

Hotel check-in is 3:00 pm local time. Every effort will be made to accommodate guests arriving before check-in; however, rooms may not be available immediately. Checkout time is 12:00 noon local time.

**** PLEASE NOTE THAT A CREDIT CARD IS REQUIRED AT THE TIME OF BOOKING TO GUARANTEE THE RESERVATION; HOWEVER, IT WILL NOT BE CHARGED.**

Reservation Deadline:

The cut-off date to receive the special group rate is **WEDNESDAY, AUGUST 13, 2025**. Reservations received after this date, *or once the room block fills*, will be based on space and rate availability.

Cancellation:

Reservation cancellations must be received at least 72 hours prior to the scheduled arrival date to avoid a cancellation fee of one night's room and tax.

Government-Rated Rooms:

A limited number of government-rated rooms have been contracted at the Boston Marriott Copley Place. To qualify for government per diem rates, guests must present a valid form of identification at check-in that consists of:

FOR U.S. FEDERAL GOVERNMENT PER DIEM RATES:

- Personnel badge or ID card issued to U.S. Federal Government civilian employees
- Official Government/Military Travel Orders/Proof of Official Duty Status (some hotels may require travel orders in addition to another form of ID)
- S. Military ID card issued to U.S. Military Personnel on Official Travel
- Common Access Card (CAC) issued to U.S. Federal Government civilian employees and U.S. Military Personnel on Official Travel (excludes CAC cards issued to contractors and retired military)
- S. Federal Government issued Visa, MasterCard or American Express Card (i.e. SmartPay Credit Card)
- Federally Funded Research and Development Center (FFRDC) identification card
- Native American Tribal Government ID card
- Canadian government or active-duty military issued ID or credit card

FOR STATE AND LOCAL GOVERNMENT PER DIEM RATES:

- State or local government issued personnel badge or ID card
- Official Travel orders on original state or local government letterhead

**IF YOU CAN MEET THESE REQUIREMENTS,
RESERVATIONS CAN BE MADE [HERE](#).**

If you cannot provide one of these forms of identification, the hotel will provide you with the standard Group Rate per night (\$315 plus applicable taxes and fees) at the time of check-in.

TRAVEL INFORMATION



REGISTER TODAY FOR AN UPCOMING
EMERGENCY SURGERY
COURSE

ESTES / AAST

EMERGENCY SURGERY COURSE

The ESC® (joint collaboration between ESTES and AAST) aims to **aid surgeons in non-trauma emergency surgery** by providing the know-how and the decision-making skills necessary for daily practice. The course consists of **theoretical sessions, case scenarios** and **state-of-the-art videos**. The course is especially designed in an interactive format from the beginning until the end.


Airport:

The Boston Marriott Copley Place is located approximately 4.5 miles (approximately 15-20 minutes depending on traffic) from Boston Logan International Airport (BOS); the hotel does not have a hotel shuttle for transport. However, car services and taxis serve both the airport and the hotel.

Hotel Parking:

Valet Parking (per day): \$75 daily fee

Two garages are attached to the Marriott Copley Place:

Copley Place Mall: [Click HERE](#) | Prudential Center Parking: [Click HERE](#)

Travel Information:**AIR TRANSPORTATION**

AAST has arranged special meeting discounts on Southwest and United Airlines. These special discounts are available by booking with United directly, through a travel agent, or online.

United Airlines

800-426-1122

7:00 am–9:00 pm CST; Monday–Friday

ACS Z Code: <ZQ52651938>

Agreement Code: <52651938>

Purchase your ticket online at united.com and receive a discount off the lowest applicable fares. When booking online, please enter ZQ52651938 to receive your discount. Area/Zone fares based on geographic location are also available with no Saturday night stay required.

Southwest Airlines

Southwest Airlines is pleased to offer AAST attendees discounted fares for the upcoming annual Meeting-9/5/2025-9/13/2025. The discount is valid for travel from 9/2/2025 to 9/16/2025. No promo code is required; it is automatically populated based on your dates of travel and meeting city. To utilize the discount, book via [SWABIZ®](#).

GROUND TRANSPORTATION:

Taxi and ride share (Lyft and Uber) are available from Boston Logan International Airport (BOS). Prices can vary based on surge times; depending on your travel time, cab fares generally average around \$25.

CAR RENTAL:

Your Avis Worldwide Discount or AWD number is B169699

When calling Avis at 1 (800) 331-1600 to make reservations, attendees should provide our reservations agents with this AWD number: B169699. The AWD will be effective from seven days before the event until seven days after the event.

[Click here to access Avis for the AAST 84th Annual Meeting](#)

For print materials, please take a look at the [Avis.com](#) website. Please enter the assigned AWD number in the AWD or rate code box (B169699)

Dining

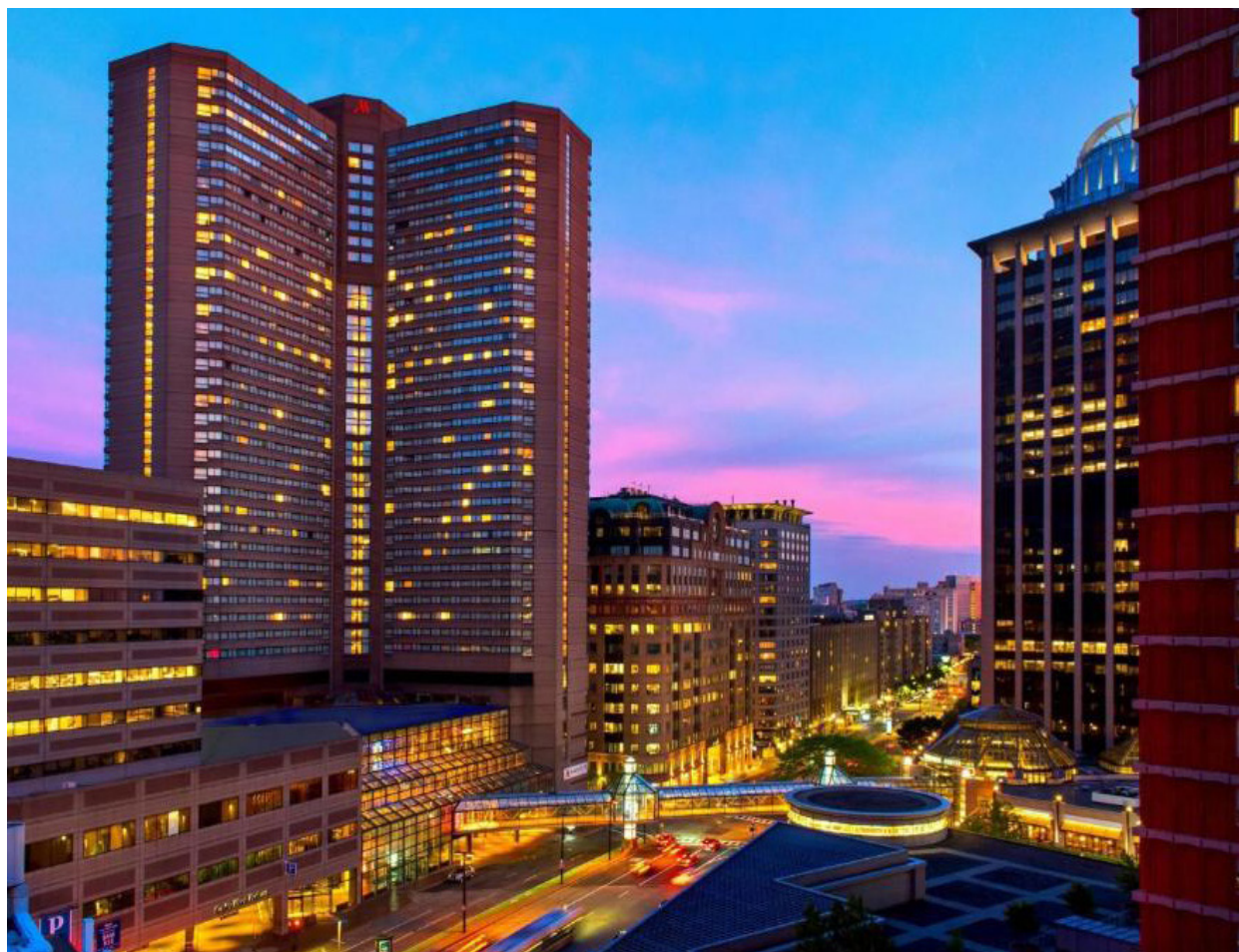
(TYPICALLY OUTLETS ARE OPEN PER THE TIMES BELOW. HOWEVER, THEY ARE BASED ON HOTEL OCCUPANCY)

The Marriott Copley Place offers three prime dining facilities—Yardhouse (classic American fare), Starbucks, and Room Service.

The Marriott Copley Place is adjacent to Prudential where you'll also find a wide variety of restaurants within walking distance of the hotel.

Things to Do:

Boston offers a wealth of sites and places to visit, many of them steeped in history; visit [HERE](#) for more ideas.



REGISTRATION POLICIES**Registration Cancellation Policy:**

Requests for refunds must be made in writing and received on or before Friday, August 1, 2025. There is a \$150 processing fee for all refunds and returned checks. Cancellations and registration postmarked after the deadline date will not be eligible for refunds. Please submit all written cancellation requests to Registration Services at registration@facs.org.

Conference attendee substitution is permitted and will be dealt with on a case-by-case basis.

AAST reserves the right to cancel any regularly scheduled session prior to the start of the meeting.

Badge/Event Ticket Policy:

All AAST name badges and event tickets are non-transferable. Badges must be worn at all times INCLUDING the Banquet. All attendees over the age of two (2) must have a badge to enter the Banquet.

If you purchased additional sessions, the information will be tracked through the bar code on your badge. Badges MUST be presented for any sessions that require additional payment. If you did not purchase a session, you will not be admitted. Banquet tickets are nonrefundable.

Solicitation Policy:

The AAST strictly prohibits the solicitation and distribution of products and equipment at the AAST Annual Meeting in educational sessions or in the main foyer near educational sessions from 7:00 am to 5:00 pm Wednesday - Friday and 8:00 am - 11:00 am on Saturday. All company products and equipment business MUST be conducted in the exhibit hall area with official exhibitors to the AAST Annual Meeting. Non-exhibiting company personnel are prohibited from soliciting AAST attendees at any time during the meeting. Please report any unauthorized solicitation to AAST staff immediately.

Notice of Filming & Photography:

By attending the AAST Annual Meeting and Clinical Congress of Acute Care Surgery, you are participating in an event where photography, audio recording, and video recording may occur. By agreeing to these terms, you consent to photography, audio recording, video recording, and its release, publication, exhibition, or reproduction to be used for promotional purposes, advertising, inclusion on websites, social media, or any other purpose by AAST and its representatives. You release AAST, its employees, and each and all persons involved from any liability connected with the taking, recording, digitizing, or publication and use of interviews, photographs, computer images, video and/or audio recordings, and you waive all rights to any claims for payment or royalties in connection with any use of these materials. You also waive any right to inspect or approve any photo, video, or audio recording taken by AAST or the person or entity designated to do so by AAST.

Holds Harmless:

On behalf of themselves and any individuals they are registering, the registrant acknowledges that travel to and attendance at in-person meetings entails the risk of contracting communicable diseases. The registrant agrees to waive and hold harmless the American Association for the Surgery of Trauma, the American College of Surgeons, the facility, and each of their agents from any liability, damages, or expenses arising from travel to or attendance at the event. The registrant further agrees to follow all health and safety protocols announced by the American Association for the Surgery of Trauma or the facility. By completing the registration, the registrant confirms they are authorized to make these agreements on behalf of each individual being registered.