

AAST and Clinical Congress  
of Acute Care Surgery

program guide



**AAST**

**80<sup>th</sup>** sept. 29 -  
oct. 2  
annual meeting



atlanta

# FROM THE PROGRAM CHAIR AND RECORDER

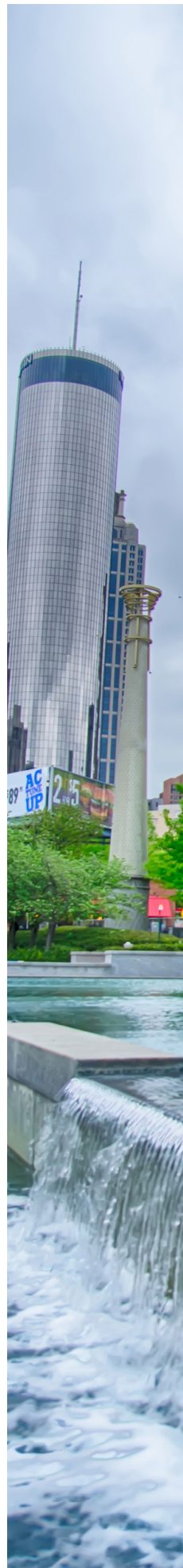
We are putting together the final touches on the program for the 80th Annual Meeting of the AAST and Clinical Congress of Acute Surgery in Atlanta September 29 – October 2, 2021. This year we will be back live and in person with a slightly tweaked schedule – please note the program will begin at **8:00 AM EST** on Wednesday, September 29th as opposed to beginning in the afternoon like previous years. A few highlights:

- AAST Emergency General Surgery Course Monday, September 27th and Tuesday, September 28th
- Three pre-sessions on Tuesday, September 28th. The pre-sessions will be followed by a reception for all pre-session attendees and speakers
- Three add-on sessions during the afternoon of Thursday, September 30th. The add-on sessions will include a break
- 67 Oral Papers starting Wednesday, September 29th
- 26 Quickshot presentations on Saturday, October 2nd
- 140 Electronic Poster Presentations: Poster sessions will take place in two sessions of 70 posters each (Wednesday, September 29th 6:00-7:00 PM EST and Thursday, September 30th 12:10-1:10 PM EST). Posters will be bundled in groups of 10 for professors' rounds
- 12 Lunch Sessions over Wednesday (12:25-1:40 PM EST), Thursday (1:10-2:25 PM EST), and Friday (11:45-1:00 PM EST)
- Fitts Oration: J. David Richardson M.D.
- Two Master Surgeon Lectures: Grace Rozycki, M.D., M.B.A. and L.D. Britt, M.D., M.P.H.
- Presidential Address: David Spain, M.D.
- “Experts on the Hot Seat” panel that will include case-based presentations (trauma, surgical critical care, and emergency general surgery)

The program itself will cover a broad range of Acute Care Surgery topics with more than 50 different institutions represented just in the oral paper sessions. Again this year, Emergency General Surgery pre-sessions, oral sessions, posters, quick shot presentations, and lunch sessions will be highlighted. The social program will also be exceptional. Make your plans early. More than ever, I look forward to seeing you all in person in Atlanta in late September.



Patrick M. Reilly, M.D.  
Program Chair & Recorder







## IN THIS PROGRAM

02	Preliminary Program Message
04	From the President
05	AAST Protocols
06	Hotel Information
07	Travel Information
08	Things To Do
09	Exhibitor List
10	Optional Sessions
15	Schedule At-A-Glance
22	Policies
23	Registration Information



# FROM THE PRESIDENT

Dear AAST Members and Guests,

Can you believe it? We are actually going to meet in Atlanta! It will only be two years since we were together but somehow it feels so much longer. I think that's a testament to how hard the last 18 months have been and how much we miss the great camaraderie and friendship experienced at the AAST meeting. This will be a hybrid meeting with both virtual and in-person options. For those who can attend, we encourage you to explore Atlanta in your free time and support local-owned businesses. For those attending virtually, we encourage you to participate in the meeting as much as possible. As usual, our AAST Team of Sharon Gautschy, Jermica Smith, Brea Sanders, Rachel Sass and Afia Jones have been working tirelessly to make all of this happen. We are fortunate to have such an awesome crew.

The Program Committee, under the leadership of Dr. Reilly, has once again put together an outstanding scientific session. This year's Fitts Lecture will be given by J. David Richardson, M.D. Dr. Richardson is one of the most provocative thinkers that you will ever meet. He is also perhaps the most generous person I know - his legacy as a mentor to so many surgeons is amazing. The Master Surgeon Lectures this year will be given by Drs. Grace Rozycki and L.D. Britt. Dr. Rozycki lives up to her name as one of the most gracious persons in our organization. Dr. Britt's skills as an engaging speaker are unparalleled. These three lectures are sure to be the highlight of the meeting. Finally, this year will bring back the "Experts on the Hot Seat" panel moderated by the always entertaining Dr. Oscar Guillamondegui.

I am especially excited as this will be the first full meeting with our new Associate Members fully participating in-person. This group has really hit the ground running under the leadership of Drs. Knowlton, Dumas, Dultz and Strickland. The Associate Members are bringing new ideas, new initiatives, and boundless energy to our Association. Let's celebrate them this September.



David A. Spain, M.D.  
2019-2021  
AAST President





# Experience AAST is back!

**The Live Auction is Back!**

Get your paddles ready and BID BID BID!

The live auction will take place during the AAST Banquet on Friday night! Join AAST for a night of dancing, dining, and #WINNING! Experience AAST like never before with exclusive vacations created by AAST for you!



Interested in a Kentucky Bourbon Experience (yes, this includes Derby-winning horses) with Dr. Andrew Bernard? What about a stay at Dr. Livingston's New Jersey Beach Retreat? Each package is tailored to immerse you in the family of AAST. An opportunity too good to miss!

**Not able to attend? We got you covered!**

The silent auction will be held online again! The silent auction will close on October 1, 2021 at 5:00 pm EST! With the Experience AAST Auction system, you will never be outbid! Miss out on #quiltgate AGAIN last year? Set a max bid to make sure you get the items you want!

**The AAST Auction website launches Wednesday, September 1!**





# AAST MEETING PROTOCOLS

While the CDC has lifted the mask requirement and the state of Georgia lifted its mask mandate and social distance guidelines. At this time, AAST is still requiring all attendees wear masks at the annual meeting. AAST is asking for your assistance with a “Code of Conduct” for the meeting. COVID-19 testing is not required for the AAST meeting.

The code serves as a reminder of the role we all play as individuals and participants to ensure the resilience of our event ecosystem, while also serving as a resource for event organizers to engage all meeting participants in the health and safety of our events.

The code of conduct below is meant to serve as a reminder and inspiration to know that if we all collectively respect the significance of this contribution, we are by definition advocating for the well-being of our fellow global citizens and our industry.

## BEFORE LEAVING HOME

- Follow relevant guidance provided by the Center for Disease Control (CDC), World Health Organization (WHO), or your local health authority.
- Adhere to government-issued travel restrictions and guidance issued by the region you will be travelling to and the region you are travelling from. Currently there are no capacity limits in Atlanta restaurants and bars; Atlanta requires masks in public and in government buildings. Private bars and restaurants can require masks, so be sure to check with the establishment you plan to visit.
- Evaluate your own health and that of people you are in close contact with; contact the meeting/event organizers if you have concerns.
- Stay home if you feel sick.

## DURING THE EVENT FOR ONSITE ATTENDEE

- Follow guidance from the event organizer for every-day preventive actions to help prevent the spread of respiratory viruses including:
  - Washing hands often with soap and water for at least 20 seconds, or an alcohol-based sanitizer with at least 60% alcohol.
  - Avoiding touching eyes, nose, and mouth with unwashed hands.
  - Covering your nose and mouth when coughing or sneezing; throw used tissues in the trash.
  - Cleaning and disinfecting frequently touched objects and surfaces using a regular household cleaning spray or wipe.
- Agree to wear a mask or facial covering, **required by hotel and the event organizers**. Currently the Hilton Atlanta requires masks in the hotel’s public areas (lobby, guest room registration, restrooms, etc). Currently, the following Hilton Atlanta services and amenities are available, but with **reduced service**: Business Center, Concierge, Fitness Center, and Valet Parking. The following services and amenities are **currently not available at the hotel**: Complimentary Evening Social, Executive Lounge, Pool, Room Service, Spa (as of June 1, 2021).
- Adhere to social distance protocols **put in place by the event organizers** and respect others’ personal space. AAST is still requiring socially distancing at the meeting and is working with the Hilton Atlanta on safe distances throughout the meeting space.
- Agree that none of the following health concerns has been experienced within the last 24hrs – new onset severe headache; chills; new or worsening cough; sore throat; nausea/vomiting/ diarrhea; abdominal pain or fatigue from unknown cause; loss of sense of taste or smell; muscle/body aches from unknown cause.

**\*\* PLEASE VISIT [WWW.AAST.ORG/COVID-PROTOCOLS](http://WWW.AAST.ORG/COVID-PROTOCOLS) FOR THE LATEST MEETING PROTOCOLS**



# OPTIONAL SESSIONS

## PRE-SESSIONS

TUESDAY, SEPTEMBER 28

1:00 PM - 5:00 PM EST

### THE NEW SURGEON: LIFE AFTER RESIDENCY AND FELLOWSHIP

*PRESENTED BY THE AAST ASSOCIATE MEMBER COUNCIL*

This pre-session sponsored by the AAST Associate Member Council is a comprehensive guide to launching your career as a trauma and acute care surgeon. Topics including the fellowship application process, building your clinical practice, coding and billing pearls, and tips for developing a successful research plan and trajectory as an academic surgeon will be covered. The session will be an interactive blend of lectures, and Q&A discussion with the audience.

### EMERGING TECHNOLOGY, ARTIFICIAL INTELLIGENCE, TELEMEDICINE, AND SIMULATION: WHERE ARE WE NOW?

*PRESENTED BY THE EDUCATION COMMITTEE*

This will be a robust session that highlights the newest and most promising technologies and educational techniques in Trauma and Acute Care Surgery. It will also include what you need to know and how can you apply this to your practice. This session will feature a fast-paced window into the future of technology, artificial intelligence, and simulation, showing how these ideas are accessible to everyday practice.

### THE AAST NEUROCRITICAL CARE UPDATE AND BOARD REVIEW COURSE

*PRESENTED BY THE EDUCATION, CRITICAL CARE, GERIATRIC  
COMMITTEES*

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 will be a collaborative effort with the American Board of Anesthesiology. This will include a high-stakes board exam to be administered in October of 2021. With the AAST Annual Meeting occurring in September of 2021, we believe this ideally positions us to offer this unique prep course ahead of the exam. Preparation for this exam will require not only familiarization with standard neurotrauma management,

but also knowledge in non-surgical areas 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. 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 would also receive a copy of "The Pocket Guide to Neurocritical Care" which would be included in the registration fee.

## LUNCH SESSIONS

WEDNESDAY, SEPTEMBER 29

12:25 PM - 1:40 PM EST

### JACKS OF ALL TRADES: MILITARY, RURAL, AND HUMANITARIAN SURGICAL PERSPECTIVE ON COMPETENCIES FOR SURGICAL CARE IN AUSTERE SETTINGS

*PRESENTED BY THE MILITARY COMMITTEE*

Surgical care in rural and austere settings requires competencies beyond those routinely employed in the urban medical center environment. Military surgeons, rural surgeons, and those with humanitarian mission experience have a unique and valuable perspective on the knowledge and skill sets required to provide effective care when resources are limited. This session will be a moderated panel discussion/Q&A with surgeons who have experience in the austere surgical environment and will provide insight into these skill sets through discussion of their experiences and lessons learned. Session will consist of an introductory statement followed by brief presentations from panelists on best practices, followed by moderated Q&A.

Proposed agenda:

1. Moderator Introduction (5 min)
2. Specific Topic Presentations (10 min each)
  - Translating civilian best practices into austere, deployed, and mass casualty/humanitarian environments
  - Optimizing resources when resources are scarce
  - Resuscitation practices when blood products are limited/unavailable
  - Damage control surgery anywhere and anytime
  - Subspecialty surgical competencies including vascular, neuro, thoracic, and orthopaedic
3. Group Discussion/Q&A (20 min)

# OPTIONAL SESSIONS

## CULTURAL COMPLICATIONS: USING M&M TO LEARN, CHANGE, IMPROVE

PRESENTED BY THE DEI, PATIENT ASSESSMENT, AND ACUTE CARE SURGERY COMMITTEES

The session will engage the audience in active participation.

- Introduction (10 minutes): The Cultural Complications Curriculum will be introduced; this curriculum uses a case-based format to teach 12 diversity, equity, and inclusion themes including but not limited to implicit bias and microaggressions, stereotype threat, and intersectionality. The cases are presented as part of morbidity and mortality (M&M) conference.
- How to Get Started (10 minutes): Practical tips on how to start a cultural complications M&M.
- Mock Cultural Complications M&M Cases (20 minutes): One trauma and one emergency general surgery (EGS) case will be presented using the cultural complications curriculum format. Audience participation will be encouraged.
- Q&A (15 minutes): All speakers and M&M participants will be available for Q&A

## BEYOND HOSPITAL SURVIVAL: IMPROVING OUTCOMES AFTER INJURY

PRESENTED BY THE PATIENT ASSESSMENT, PALLIATIVE CARE COMMITTEES

Although trauma systems have improved in-hospital mortality following moderate to severe trauma, many patients suffer long-term disability, increased risk for both repeated injury and long-term mortality compared to the general population. We propose a discussion to educate the audience on the issues as well as identifying potential solutions to improve outcomes.

- Long-term consequences of acute injuries
- Thirty-day mortality doesn't mean survival for adult
- Moderate to Severe Traumatic Brain Injury – A lifelong condition
- How can we improve these outcomes?



## DISASTER MEDICINE OPPORTUNITIES FOR THE INTERESTED SURGEON: HOW TO GET INVOLVED AND WHAT TO EXPECT

PRESENTED BY THE DISASTER COMMITTEE

Surgeons interested in practicing disaster medicine have opportunities to get involved with both national and international disaster response organizations. This includes the National Disaster Medical System (DMAT, TCCT), FEMA (USAR) and non-governmental organizations (NGO's) among others.

The purpose of this session will be to provide an overview of the various opportunities available to the interested surgeon. Practical tips regarding how to get involved, how to prepare and what to expect will be shared.





# OPTIONAL SESSIONS

## LUNCH SESSIONS

THURSDAY, SEPTEMBER 30

1:10 PM - 2:25 PM EST

### STAFFING A TRAUMA/ACUTE CARE SURGERY SERVICE – WHAT IS A FULL-TIME EMPLOYEE (FTE)

*PRESENTED BY THE ACUTE CARE SURGERY COMMITTEE*

The idea behind this session is providing guidance on staffing an acute care surgery service (trauma, EGS, SICU) at Level 1-4 trauma centers. There are widely differing opinions regarding the clinical and academic responsibilities as well as the remuneration for a 1.0 FTE. This session will explore the challenges and evidence behind answering the question of how many FTEs are required for a well-functioning ACS service.

### TAKING YOUR RESEARCH TO THE NEXT LEVEL: WHAT CAN CNTR DO FOR YOU?

*PRESENTED BY THE PROGRAM COMMITTEE*

This session will provide an overview the Coalition for National Trauma Research with a focus on the resources that have been built to support clinical investigators. These include support for trial design, identification of sites, grant preparation & submission, and study implementation. Dr. Nathens will describe the opportunity to utilize the TQIP data platform to support data collection for clinical trials. Dr. Zarzaur will discuss CNTR's mentorship program for investigators and Drs Joseph and Haut will discuss their experience working with CNTR for grant submission and project execution. Participants will learn about the submission and review process for proposals to CNTR.

### ACS FELLOWSHIPS: HOT TOPICS FOR PROGRAM DIRECTORS

*PRESENTED BY THE ACUTE CARE SURGERY AND ACS PROGRAM DIRECTORS COMMITTEES*

This session will focus on the more difficult aspects of running a AAST ACS Fellowship. This will not only provide a forum for shared experiences, problems, and solutions but to explore best practices. This will also provide institutions interested in starting fellowships a venue to have questions answered. (Acute Care Surgery and Program Directors Committees)

### THE POWER OF MENTORSHIP: A NO-LECTURE, ROUNDTABLE DISCUSSION

*PRESENTED BY THE AAST ASSOCIATE MEMBER COUNCIL AND MILITARY COMMITTEE*

As part of the AAST mission to serve as the premier scholarly organizations for surgeons in the field of trauma and critical care, we value and prioritize the importance of mentorship as a key to success. AAST Associate Members (including resident, fellow and junior faculty) have unique needs within the AAST and would benefit from the guidance of senior AAST members with respect to research mentorship, career development and coaching.

In partnership with the Military Liaison Committee, the Associate Member Council executive will offer a no-powerpoint, interactive and lively discussion among new and experienced surgeons about creating lasting mentorship pairings (in both civilian and military settings).

Mentors and mentees from both organically developed, as well as organizationally paired, groups will discuss the evolution of their mentorship and how to make the most of it. The group will discuss how each set have built a long-term mentorship & maximized their role with encouragement from the other; additionally, they will describe how to work in tandem for career goals & accomplishments for both the mentee and mentor, alike. Practical tips on how to maximize this mentorship through letters of recommendation and support, research collaboration, professional advancement, and job opportunities will also be discussed.

Mentorship of active-duty military trainees will be addressed, with emphasis on opportunities to be better engaged in the broader AAST community and navigating transition or return to civilian practice.

This session will serve as a springboard for the launch of a longitudinal mentoring program by the AMC and AAST-MLC. Following the 2021 meeting, interested mentees will be paired with senior AAST mentors based upon their career goals and academic interests. The mentor will be expected to help facilitate opportunities and help their mentee achieve their defined goal for the year.

# OPTIONAL SESSIONS

## ADD-ON SESSIONS

THURSDAY, SEPTEMBER 30

2:30 PM - 6:00 PM EST

### CONTINUOUS CERTIFICATION: HOT TOPICS, CASE CHALLENGES, AND CURRENT LITERATURE IN TRAUMA AND EMERGENCY GENERAL SURGERY

PRESENTED BY THE EDUCATION COMMITTEE

#### SESSION 1: EMERGENCY GENERAL SURGERY

##### HOT TOPICS IN EGS TALKS:

- Choledocholithiasis: The Surgical “One-Stop Shopping” Approach
- Duodenal Disasters: Repair, Resect, Exclude, or Bail?

##### CHALLENGING EGS CASES AND CURRENT MANAGEMENT EXPERT PANEL

##### 2021 FAVORITE PAPERS: EMERGENCY GENERAL SURGERY

#### SESSION 2: TRAUMA

##### HOT TOPICS IN TRAUMA TALKS:

- Direct Peritoneal Lavage: When, Why, and How
- Always Be Closing! Novel Open Abdomen Management Strategies

##### CHALLENGING TRAUMA CASES AND CURRENT MANAGEMENT EXPERT PANEL

##### 2021 FAVORITE PAPERS: TRAUMA AND TRAUMA SYSTEMS

### MASTERING DIFFICULT CONVERSATIONS IN ACUTE CARE SURGERY

PRESENTED BY THE PALLIATIVE CARE COMMITTEE

One of the most critical skills for a practicing acute care surgeon is patient and family communication surrounding serious illness. This effort has been supported by the American College of Surgeons through the development of the Best Practice Palliative Care Guidelines. However, mastery of the difficult conversation is not an innate skill and requires formal training, practice, and repetition. Just like learning how to place a chest tube, there is a sequence of steps that one must develop toward mastery to be an effective communicator with patients and their families. We propose a 4-hour pre-course session utilizing trained subject experts, implementing adult-learning techniques, to highlight three key communication

skills surgeons can easily add to their toolkit. These include preparing and sequencing the delivery of serious news, responding to emotion, and reframing goals of care during clinical transitions. The course will include didactic sessions and facilitated sessions with actors.

The goal of this session is for participants to identify key communication skills that resonates with them and commit to working with it in their surgical practice. The session will be opened with an overview of the agenda and an introductory of the “why” of good patient/family communication in the ICU, the ward, and the resuscitation room (Zonies). Subsequent high impact talks will include preparing to deliver serious news, responding to emotion, and reframing acute care delivery (Cook, Brasel, O’Connell). Following these brief practical solution sessions, participants will practice newly learned skills with trained actors.

Although these skills are key for all practicing acute care surgeons, based on broad feedback, will intentionally focus this session at trainee fellows who strongly desires acquisition of these vital skills.

### PEDIATRIC TRAUMA UPDATE COURSE

PRESENTED BY THE PEDIATRIC COMMITTEE

This would be the first of a year or bi-yearly pediatric trauma update course for Trauma Surgeons in practice. The primary audience is for surgeons who are moving from a Center where they don’t manage injured children to a facility that does. Additionally, it will update current evidence-based practice to facilitate the management of injured children.





# OPTIONAL SESSIONS

## LUNCH SESSIONS

FRIDAY, OCTOBER 1

11:45 AM - 1:00 PM EST

### WHAT YOU NEED TO KNOW ABOUT POST-ICU SYNDROME

*PRESENTED BY THE PALLIATIVE CARE, CRITICAL CARE, AND PATIENT ASSESSMENT COMMITTEES*

Due to increased utilization of the ICU, especially during the pandemic, increasing numbers of patients discharged from the ICU suffer from declines in physical, cognitive and psychiatric function, known as post-ICU syndrome. Both medical literature and lay press have begun to show the debilitating and long-term symptoms that prevent full recovery for a substantial number of patients who have been in the ICU. As ICU care continues to improve survival for select patients, post-ICU syndrome is an increasing concern for patients and families. Trauma surgeons should understand the complexity and prognostic implications of PICS in the injured patient and facilitate setting expectations for patients and families. In this case-based panel we will discuss 1) the epidemiology, pathophysiology and symptom burden of PICS; 2) delivering supportive and palliative care for patients and families; 3) models of outpatient post-discharge care (e.g., PICU clinics).

### LAPAROSCOPIC CBD EXPLORATION: WHEN, WHY, AND HOW TO START DOING THEM

*PRESENTED BY THE ACUTE CARE SURGERY COMMITTEE AND SAGES*

This session will focus on the emerging trends in ACS surgeons performing Laparoscopic CBD explorations for biliary stone disease. We will review the evidence, indications, techniques, and how to set up a program.

### FOSTERING DIVERSE & INCLUSIVE INTER-PROFESSIONAL ACUTE CARE SURGERY TEAMS

*PRESENTED BY THE DIVERSITY, EQUITY, AND INCLUSION COMMITTEE*

Our cultural backgrounds and lived personal and professional experiences shape how we deliver care. Acute care surgical teams are increasingly diverse – both from the perspective of ever more diverse surgeons and from the integration of advanced practice providers, case management providers, and therapy providers into inter-professional acute care surgery teams. Cultural dexterity is a key tool to not only to help optimize the function of such teams but also to deliver person-

centered care with cultural humility. This luncheon session will achieve the following objectives for attendees.

1. Define diversity & inclusion and explain the differences between the two terms
2. Explain the meaning of culture at the societal and organizational level
3. Understand how culture forms implicit assumptions regarding various traits, visible or not, among recruits, team members, and patients/families
4. Deploy a cultural dexterity tool kit for your team leaders and team members
5. Develop strategies to promote, build, and sustain diverse and inclusive inter-professional acute care surgery teams that provide empathic, culturally sensitive, patient/family-centric care

### TECHNICAL ASPECTS OF CHALLENGING VASCULAR INJURIES FOR MILITARY AND CIVILIAN TRAUMA SURGEONS

*PRESENTED BY THE MILITARY COMMITTEE*

Vascular injuries have vexed civilian and military surgeons since World War I and II. Beginning with the Surgical Mavericks in Korea that challenged the dictum of ligation; followed by the efforts for the development of defined outcome oriented strategies during the Vietnam conflicts and culminating with the Damage Control Strategies of the Iraq and Afghanistan Conflicts. Despite all the advances; vascular injuries still pose a great operative challenge to all civilian and military surgeons.

Penetrating vascular injuries requiring operative intervention account for approximately 5% of all Trauma patients even in busy urban Trauma Centers. Their low incidence, along with and ever-decreasing number of Trauma surgeons possessing the skills to manage them, pose a difficult didactic challenge to the training of military, civilian trauma and acute care surgeons.

In this session, the presenters will review the current training requirements in vascular injury management for military and civilian trauma surgeons, along with presenting operative techniques and tips and tricks to deal with vessel-specific injuries by experienced trauma surgeons. This session should be highly interactive, encouraging audience participation. Most importantly, it aims to provide clinically useful and relevant technical information and strategies for the management of these injuries for surgeons; whom either infrequently or regularly provide operative care of vascular injuries.

# SCHEDULE AT A GLANCE

## MONDAY, SEPTEMBER 27, 2021

7:30 AM - 4:00 PM Emergency Surgery Course (additional fee)

## TUESDAY, SEPTEMBER 28, 2021

7:30 AM - 4:00 PM Emergency Surgery Course (additional fee)

7:30 AM - 4:30 PM **AAST BOARD OF MANAGERS MEETING**

1:00 PM - 5:00 PM **PRE-SESSION: THE NEW SURGEON: LIFE AFTER RESIDENCY AND FELLOWSHIP**

1:00 PM - 5:00 PM **PRE-SESSION: EMERGING TECHNOLOGY, ARTIFICIAL INTELLIGENCE, TELEMEDICINE, AND SIMULATION: WHERE ARE WE NOW?**

1:00 PM - 5:00 PM **PRE-SESSION: NEUROCRITICAL CARE UPDATE AND BOARD REVIEW COURSE**

5:00 PM - 6:00 PM **PRE-SESSION RECEPTION (ATTENDANCE AT A PRE-SESSION REQUIRED)**

12:00 PM - 7:00 PM Registration

## WEDNESDAY, SEPTEMBER 29, 2021

6:30 AM - 7:30 AM **RESIDENT/STUDENT/IN-TRAINING FELLOW BREAKFAST**

Presenter: David Livingston, M.D.

6:30 AM - 5:15 PM Registration

7:30 AM - 8:30 AM Breakfast

7:30 AM - 2:30 PM/ Exhibits Open

5:30 PM-7:00 PM \*exhibitors break for 3 hours

8:00 AM - 7:30 PM Donor Lounge

6:30 AM - 7:45 AM **COMMITTEE MEETINGS I**

ACS PROGRAM DIRECTORS

COMMUNICATIONS COMMITTEE

EDUCATION COMMITTEE

PEDIATRIC COMMITTEE

PREVENTION COMMITTEE

HEALTHCARE ECONOMICS COMMITTEE

RESEARCH AND EDUCATION FUND

8:00 AM - 8:20 AM **WELCOME**

8:20 AM - 11:00 AM **SESSION I: PLENARY PAPERS I-8**

**PAPER 1: 8:20 AM** HARD, SOFT, & IRRELEVANT: HEMORRHAGIC & ISCHEMIC SIGNS BETTER DISTINGUISH IMPORTANT CHARACTERISTICS OF EXTREMITY VASCULAR INJURIES Speaker: Anna Romagnoli, M.D.

**PAPER 2: 8:40 AM** IMPACT OF TIME TO SURGERY ON MORTALITY IN HYPOTENSIVE PATIENTS WITH NON-COMPRESSIBLE TORSO HEMORRHAGE: AN AAST MULTICENTER PROSPECTIVE STUDY Speaker: Juan Duchesne, M.D.

**PAPER 3: 9:00 AM** AFTER 9,000 LAPAROTOMIES FOR BLUNT TRAUMA, RESUSCITATION IS BECOMING MORE BALANCED AND TIME TO INTERVENTION SHORTER: HOW LOW CAN WE GO? Speaker: Molly Douglas, M.D.

**PAPER 4: 9:20 AM** ADMISSION THROMBOELASTOGRAPHY REFLECTS THE RELATIONSHIP BETWEEN CYTOKINES AND COAGULOPATHY: A PROPPR SUB-ANALYSIS Speaker: Stephanie Savage, M.D., M.S.

**PAPER 5: 9:40 AM** EMERGENCY GENERAL SURGERY TRANSFER TO LOWER ACUITY FACILITY: THE ROLE OF RIGHT-SIZING CARE IN EGS REGIONALIZATION Speaker: Maria Baimas-George, M.D.

**PAPER 6: 10:00 AM** FINANCIAL VULNERABILITIES OF AMERICAN COLLEGE OF SURGEONS VERIFIED TRAUMA CENTERS: A STATEWIDE ANALYSIS Speaker: Derek Benham, M.D.

**PAPER 7: 10:20 AM** EARLY METABOLIC SUPPORT FOR CRITICALLY ILL TRAUMA PATIENTS – A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL Speaker: Allan Stolarski, M.D., M.S.

**PAPER 8: 10:40 AM** ALIVE AND AT HOME: FIVE-YEAR OUTCOMES AMONG OLDER ADULTS WITH SEVERE TRAUMATIC INJURY Speaker: Matthew Guttman, M.D.



# SCHEDULE AT A GLANCE

11:00 AM - 11:25 AM

Break

11:25 AM - 12:25 PM

## SESSION II: PRESIDENTIAL ADDRESS: "BE WORTHY"

Presenter: David Spain, M.D.

12:25 PM - 1:40 PM

## LUNCH SESSIONS

*JACKS OF ALL TRADES: MILITARY, RURAL, AND HUMANITARIAN SURGICAL PERSPECTIVE ON COMPETENCIES FOR SURGICAL CARE IN AUSTERE SETTINGS*

*CULTURAL COMPLICATIONS: USING M&M TO LEARN, CHANGE, IMPROVE*

*BEYOND HOSPITAL SURVIVAL: IMPROVING OUTCOMES AFTER INJURY*

*DISASTER MEDICINE OPPORTUNITIES FOR THE INTERESTED SURGEON: HOW TO GET INVOLVED AND WHAT TO EXPECT*

1:40 PM - 5:20 PM

## SESSION IIIA: PAPERS 9-19

**PAPER 9: 1:40 PM** SOCIOECONOMIC DISADVANTAGE IS ASSOCIATED WITH HIGHER MORTALITY AFTER EMERGENCY SURGERY *Speaker: Brian Cain, M.D.*

**PAPER 10: 2:00 PM** A REVISED AAST GRADING SYSTEM FOR ACUTE CHOLECYSTITIS RESULTS IN SIGNIFICANTLY IMPROVED OUTCOME PREDICTIONS *Speaker: Kevin Schuster, M.D., M.P.H.*

**PAPER 11: 2:20 PM** A NOVEL PREOPERATIVE SCORE TO PREDICT SEVERE ACUTE CHOLECYSTITIS *Speaker: Kali Kuhlenschmidt, M.D.*

**PAPER 12: 2:40 PM** ANALYSIS OF REACTIVE ASCITES COLLECTED IN ACUTE APPENDICITIS OR SMALL BOWEL OBSTRUCTION *Speaker: Melissa Hausburg, M.D.*

**PAPER 13: 3:00 PM** THE UNEQUAL IMPACT OF INTER-HOSPITAL TRANSFERS ON EMERGENCY GENERAL SURGERY PATIENTS: PROCEDURE RISK MATTERS *Speaker: Raul Coimbra, M.D., Ph.D.*

**PAPER 14: 3:20 PM** REOPERATIVE SURGERY FOLLOWING CAWR: WE SHOULD LOOK PAST 30 DAYS *Speaker: Matthew McGuirk, M.D.*

**PAPER 15: 3:40 PM** READY OR NOT? A COMPARISON OF IN-THEATER AND STATESIDE TRAUMA EXPOSURE AMONG MILITARY OTOLARYNGOLOGISTS *Speaker: Matthew Ward, M.D.*

**PAPER 16: 4:00 PM** HYPER-REALISTIC ADVANCED SURGICAL SKILLS PACKAGE WITH CUT SUIT SURGICAL SIMULATOR IMPROVES SURGERY TRAINEE CONFIDENCE IN OPERATIVE TRAUMA *Speaker: Michael Klein, M.D.*

**PAPER 17: 4:20 PM** ERROR REDUCTION IN TRAUMA CARE: LESSONS FROM AN ANONYMIZED, NATIONAL, MULTI-CENTER MORTALITY REPORTING SYSTEM *Speaker: Doulia Hamad, M.D.*

**PAPER 18: 4:40 PM** FALL RISK IDENTIFICATION THROUGHOUT THE CONTINUUM OF CARE *Speaker: Meaghan Crawley, MSN, RN, TCRN*

**PAPER 19: 5:00 PM** IMPROVED MORTALITY PREDICTION WITH NSQIP COMPARED TO TRISS AND ASA IN ELDERLY TRAUMA PATIENTS UNDERGOING SURGERY *Speaker: Stephen Stopenski, M.D.*

1:40 PM - 5:20 PM

## SESSION IIIB: PAPERS 20-30

**PAPER 20: 1:40 PM** INTERCOSTAL LIPOSOMAL BUPIVACAINE INJECTION FOR RIB FRACTURES *Speaker: Taylor Wallen, M.D.*

**PAPER 21: 2:00 PM** IMPLEMENTATION OF BRAIN INJURY GUIDELINES (BIG) FOR ISOLATED TRAUMATIC BRAIN INJURY IN ADULTS DECREASES RESOURCE USE WITHOUT ADVERSELY IMPACTING OUTCOMES *Speaker: Kevin Kuruvilla, M.D.*

**PAPER 22: 2:20 PM** DETERIORATION INDEX IN CRITICALLY INJURED PATIENTS: A FEASIBILITY ANALYSIS *Speaker: Rebecca Fabian, B.S.*

**PAPER 23: 2:40 PM** DOES TREATMENT DELAY FOR BLUNT CEREBROVASCULAR INJURY AFFECT STROKE RATE?: AN EAST MULTICENTER TRIAL *Speaker: Rachel Appelbaum, M.D.*

**PAPER 24: 3:00 PM** THE USE OF PREDEFINED SCALES AND SCORES WITH EYE-TRACKING DEVICES TO SYMPTOM IDENTIFICATION IN CRITICALLY ILL NON-VERBAL PATIENTS *Speaker: Christopher Ull*

**PAPER 25: 3:20 PM** VALIDATING THE BRAIN INJURY GUIDELINES (BIG): RESULTS OF AN AAST PROSPECTIVE MULTI-INSTITUTIONAL TRIAL *Speaker: Bellal Joseph, M.D.*

# SCHEDULE AT A GLANCE

5:20 PM - 5:50 PM

**PAPER 26: 3:40 PM** PREDICTING ARDS EARLY IN CRITICAL SURGICAL ILLNESS: A MODEL USING SERUM INFLAMMATORY MARKERS AND CLINICAL DATA Speaker: Felipe Lisboa, M.D.

**PAPER 27: 4:00 PM** PLATELET TRANSFUSION REDUCES PLATELET DYSFUNCTION IN TRAUMATIC BRAIN INJURY Speaker: Victoria Miles, M.D.

**PAPER 28: 4:20 PM** LOW PREVALENCE BUT HIGH IMPACT OF COVID-19 + STATUS: A MULTI-INSTITUTIONAL ANALYSIS OF 28,904 PATIENTS Speaker: Samir Fakhry, M.D.

**PAPER 29: 4:40 PM** RESPIRATORY COMPLICATIONS AFTER INTENSIVE CARE UNIT DISCHARGE IN TRAUMA PATIENTS: A HIGH CONSEQUENCE EVENT Speaker: Joshua Rosen, M.D., M.H.S.

**PAPER 30: 5:00 PM** AGITATION IN THE TRAUMA BAY AS AN EARLY INDICATOR OF SEVERE INJURY AND HEMORRHAGIC SHOCK Speaker: Mary Bokenkamp, M.D.

**SESSION IV: MASTER SURGEON LECTURE: THE USE OF ULTRASOUND IN THE ACUTE SETTING: LESSONS LEARNED AFTER 30 YEARS;** Grace Rozycki, M.D., M.B.A.

5:50 PM - 6:00 PM

Break

6:00 PM - 7:00 PM

**SESSION V: POSTERS SESSION (70 POSTERS)**

GROUP ONE: THORACIC TRAUMA

GROUP TWO: ABDOMINAL TRAUMA

GROUP THREE: TRAUMA EDUCATION/PREVENTION

GROUP FOUR: PEDIATRIC TRAUMA/NEUROTRAUMA

GROUP FIVE: GERIATRIC TRAUMA

GROUP SIX: TRAUMA SYSTEMS

GROUP SEVEN: TRAUMA SYSTEMS II

7:00 PM - 8:00 PM

Welcome Reception (Open to all registered attendees)

## THURSDAY, SEPTEMBER 30, 2021

7:00 AM - 8:00 AM

Breakfast in Exhibit Hall

7:00 AM - 1:00 PM

Exhibits

7:00 AM - 3:00 PM

Registration

7:00 AM - 6:00 PM

Donor Lounge

6:15 AM - 7:15 AM

**COMMITTEE MEETINGS II**

ACUTE CARE SURGERY COMMITTEE

DIVERSITY, EQUITY, AND INCLUSION COMMITTEE

DISASTER COMMITTEE

PALLIATIVE CARE COMMITTEE

GERIATRICS COMMITTEE

6:15 AM - 7:15 AM

**INTERNATIONAL ATTENDEE BREAKFAST: TBD**

Sponsored by the International Relations Committee

7:30 AM - 8:30 AM

**SESSION VI: PAPERS 31-33**

**PAPER 31: 7:30 AM** PEDIATRIC TRAUMA IN THE CALIFORNIA-MEXICO BORDER REGION: INJURY DISPARITIES BY AREA DEPRIVATION INDEX Speaker: Alicia Sykes, M.D.

**PAPER 32: 7:50 AM** SEX DIMORPHISMS IN COAGULATION CHARACTERISTICS IN THE PEDIATRIC TRAUMA POPULATION APPEAR AFTER PUBERTY Speaker: Katherine Hrebinko, M.D.

**PAPER 33: 8:10 AM** ASSOCIATION OF SOCIAL VULNERABILITY INDEX WITH RISK-ADJUSTED TRAUMA OUTCOMES Speaker: Pooja Neiman, M.D., M.P.A.

8:30 AM - 9:00 AM

**SESSION VII: MASTER SURGEON LECTURE II: TAILWINDS & HEADWINDS;** L.D. Britt, M.D., M.P.H.

# SCHEDULE AT A GLANCE

9:00 AM - 9:30 AM

## SESSION VIII: SCHOLARSHIP PRESENTATIONS

Presenter: David Spain, M.D.

9:30 AM - 10:50 AM

## SESSION IX: PAPERS 34-37

**PAPER 34: 9:30 AM RACE AND TRAUMA: THE EFFECT OF HOSPITAL BLACK-WHITE PATIENT RACE DISTRIBUTION ON MORTALITY** Speaker: Sami Kishawi, M.D.

**PAPER 35: 9:50 AM A NATIONAL STUDY DEFINING 1.0 FULL-TIME EMPLOYMENT FOR TRAUMA/ACUTE CARE SURGERY** Speaker: Marc deMoya, M.D.

**PAPER 36: 10:10 AM LENGTH OF STAY AND TRAUMA CENTER FINANCES: A TALE OF TWO PAYERS** Speaker: Marin Chavez, M.D.

**PAPER 37: 10:30 AM INSURANCE CHURN AFTER TRAUMATIC INJURY: NATIONAL EVALUATION AMONG A LARGE PRIVATE INSURANCE DATABASE** Speaker: Sue Fu, M.D.

10:50 AM - 11:10 AM

Break

11:10 AM - 12:10 PM

## SESSION X: FITTS LECTURE:

**TRAUMA AND ACUTE CARE SURGERY: THE EVOLUTION OF A SPECIALTY;** J. David Richardson, M.D.

12:10 PM - 1:10 PM

## SESSION XI: POSTER SESSION II

GROUP EIGHT: SHOCK/TRANSFUSIONS

GROUP NINE: SHOCK/TRANSFUSIONS II

GROUP TEN: SHOCK/TRANSFUSIONS III

GROUP ELEVEN: CRITICAL CARE

GROUP TWELVE: EMERGENCY GENERAL SURGERY

GROUP THIRTEEN: EMERGENCY GENERAL SURGERY/OUTCOMES

GROUP FOURTEEN: OUTCOMES/GUIDELINES

1:10 PM - 3:10 PM

**TSACO EDITORIAL BOARD MEETING (INVITE ONLY)**

1:10 PM - 2:25 PM

## LUNCH SESSIONS II

STAFFING A TRAUMA/ACUTE CARE SURGERY SERVICE – WHAT IS A FULL-TIME EMPLOYEE (FTE)

TAKING YOUR RESEARCH TO THE NEXT LEVEL: WHAT CAN CNTR DO FOR YOU?

ACS FELLOWSHIPS: HOT TOPICS FOR PROGRAM DIRECTORS

THE POWER OF MENTORSHIP: A NO-LECTURE, ROUNDTABLE DISCUSSION

2:30 PM - 6:00 PM

**ADD-ON SESSION: MASTERING DIFFICULT CONVERSATIONS IN ACUTE CARE SURGERY**

2:30 PM - 6:00 PM

**ADD-ON SESSION: PEDIATRIC TRAUMA UPDATE COURSE**

2:30 PM - 6:00 PM

**ADD-ON SESSION: CONTINUOUS CERTIFICATION: HOT TOPICS, CASE CHALLENGES, AND CURRENT LITERATURE IN TRAUMA AND EGS**

4:00 PM - 7:00 PM

**JTACS EDITORIAL MEETING AND DINNER (INVITE ONLY)**

5:00 PM - 7:00 PM

**SCCPDS BOARD OF DIRECTORS MEETING (INVITE ONLY)**

6:00 PM - 7:00 PM

**ASSOCIATE MEMBER BUSINESS MEETING AND HAPPY HOUR (AAST ASSOCIATE MEMBERS ONLY)**

FRIDAY, OCTOBER 1, 2021

6:15 AM - 7:15 AM

## COMMITTEE MEETINGS III

AAST ASSOCIATE MEMBER COUNCIL

CRITICAL CARE COMMITTEE

INTERNATIONAL COMMITTEE

MULTI-INSTITUTIONAL TRIALS COMMITTEE

MILITARY COMMITTEE

PATIENT ASSESSMENT COMMITTEE



# SCHEDULE AT A GLANCE

6:15 AM - 7:15 AM  
7:00 AM - 8:00 AM  
7:00 AM - 1:30 PM  
7:00 AM - 3:00 PM  
7:00 AM - 4:00 PM  
7:30 AM - 10:10 AM

## BOARD OF MANAGERS MEETING (INVITE ONLY)

Breakfast in Exhibit Hall

Exhibits

Registration

Donor Lounge

## SESSION XII: PAPERS 38-45

**PAPER 38: 7:30 AM** IT'S TIME TO LOOK IN THE MIRROR: INDIVIDUAL SURGEON OUTCOMES AFTER EMERGENT TRAUMA LAPAROTOMY *Speaker: Parker Hu, M.D.*

**PAPER 39: 7:50 AM** NATIONAL ADHERENCE TO THE ASGE-SAGES GUIDELINES FOR MANAGING SUSPECTED CHOLEDOCHOLITHIASIS *Speaker: Brett Tracy, M.D.*

**PAPER 40: 8:10 AM** A PROSPECTIVE RANDOMIZED TRIAL COMPARING TWO STANDARD DOSES OF ENOXAPARIN FOR PREVENTION OF THROMBOEMBOLISM IN TRAUMA *Speaker: Laura Trujillo, M.D.*

**PAPER 41: 8:30 AM** THE VOLUME OF THORACIC IRRIGATION AFFECTS LENGTH OF STAY IN PATIENTS WITH TRAUMATIC Hemothorax *Speaker: Laura Crankshaw, M.D.*

**PAPER 42: 8:50 AM** SUCCESSFUL NON-OPERATIVE MANAGEMENT OF ADHESIVE SMALL BOWEL OBSTRUCTION: IS IT REALLY A SUCCESS? *Speaker: William Terzian, M.D.*

**PAPER 43: 9:10 AM** CHARACTERISTICS AND OUTCOMES OF PRE-HOSPITAL TOURNIQUET USE FOR TRAUMA IN THE UNITED STATES *Speaker: Zain Hashmi, M.B.B.S.*

**PAPER 44: 9:30 AM** EVERY MINUTE COUNTS: GEOSPATIAL ACCESS TO TRAUMA CENTER CARE PREDICTS FIREARM INJURY MORTALITY *Speaker: James Byrne, M.D., Ph.D.*

**PAPER 45: 9:50 AM** BEYOND RECIDIVISM: HOSPITAL BASED VIOLENCE INTERVENTION IMPROVES HEALTH AND SOCIAL OUTCOMES *Speaker: Elizabeth Gorma, M.D.*

10:10 AM - 10:30 AM

Break

10:30 AM - 11:45 AM

## SESSION XIII: PANEL: EXPERTS ON THE HOT SEAT

Moderator: Oscar Guillamondegui, M.D., M.P.H.

11:45 AM - 1:00 PM

## LUNCH SESSIONS III

WHAT YOU NEED TO KNOW ABOUT POST-ICU SYNDROME

LAPAROSCOPIC CBD EXPLORATION: WHEN, WHY, AND HOW TO START DOING THEM

FOSTERING DIVERSE & INCLUSIVE INTER-PROFESSIONAL ACUTE CARE SURGERY TEAMS

TECHNICAL ASPECTS OF CHALLENGING VASCULAR INJURIES FOR MILITARY AND CIVILIAN TRAUMA SURGEONS

11:45 AM - 1:00 PM

Lunch with Exhibitors (AAST Sponsored)

1:00 PM - 4:40 PM

## SESSION XIVA: PAPERS 46-56

**PAPER 46: 1:00 PM** BONE MARROW ADIPOKINE EXPRESSION ASSOCIATED WITH DECREASED ERYTHROID COLONY GROWTH AFTER TRAUMA *Speaker: Lauren Kelly, M.D.*

**PAPER 47: 1:20 PM** A NEW TRAUMA FRONTIER: PLATELET TRANSCRIPTOMICS *Speaker: Lucy Kornblith, M.D.*

**PAPER 48: 1:40 PM** THE EFFECT OF TRANEXAMIC ACID DOSING REGIMEN ON TRAUMA/HEMORRHAGIC SHOCK RELATED GLYCOALYX DEGRADATION AND ENDOTHELIAL BARRIER PERMEABILITY: AN IN VITRO MODEL *Speaker: Michael Carge, M.D.*

**PAPER 49: 2:00 PM** PLASMA AND WOUND FLUIDS FROM TRAUMA PATIENTS SUPPRESS NEUTROPHIL EXTRACELLULAR RESPIRATORY BURST *Speaker: Carl Hauser M.D.*

**PAPER 50: 2:20 PM** BETABLOCKADE IN TBI: DOSE DEPENDENT REDUCTIONS IN BBB LEUKOCYTE MOBILIZATION & PERMEABILITY IN VIVO *Speaker: Alfonso Lopez, M.D.*

**PAPER 51: 2:40 PM** MESENCHYMAL STEM CELL EXTRACELLULAR VESICLES MITIGATE VASCULAR PERMEABILITY AND INJURY IN MULTIPLE ORGANS IN HEMORRHAGIC SHOCK AND TRAUMA *Speaker: Mark Barry, M.D.*

**PAPER 52: 3:00 PM** ADENOSINE, LIDOCAINE, AND MAGNESIUM (ALM) TO MITIGATE INJURY FROM RESUSCITATIVE ENDOVASCULAR BALLOON OCCLUSION OF THE AORTA (REBOA) *Speaker: Jace Franko, M.D.*

# SCHEDULE AT A GLANCE

1:00 PM - 4:40 PM

**PAPER 53: 3:20 PM** CELLULAR MICRORNAS CORRELATE WITH OUTCOMES IN POLYTRAUMA PATIENTS

Speaker: Diego Vicente, M.D.

**PAPER 54: 3:40 PM** SEX DIFFERENCES ASSOCIATE WITH LATE MICROBIOME ALTERATIONS AFTER MURINE

SURGICAL SEPSIS Speaker: Philip Efron, M.D.

**PAPER 55: 4:00 PM** PRECISION TARGETING OF THE VAGAL ANTI-INFLAMMATORY PATHWAY ATTENUATES THE SIRS RESPONSE TO INJURY Speaker: Todd Costantini, M.D.

**PAPER 56: 4:20 PM** THE 35-MM RULE TO GUIDE PNEUMOTHORAX MANAGEMENT: INCREASES APPROPRIATE OBSERVATION AND DECREASES UNNECESSARY CHEST TUBES Speaker: Juan Figueroa, M.D.

## SESSION XIVB: PAPERS 57-67

**PAPER 57: 1:00 PM** BLOOD PRODUCT RESUSCITATION MITIGATES THE EFFECTS OF AEROMEDICAL EVACUATION AFTER POLYTRAUMA Speaker: Taylor Wallen, M.D.

**PAPER 58: 1:20 PM** DIRECT TO OR RESUSCITATION OF ABDOMINAL TRAUMA: AN NTDB PROPENSITY MATCHED OUTCOMES STUDY Speaker: Theodore Habarth, M.D.

**PAPER 59: 1:40 PM** PROSPECTIVE RANDOMIZED TRIAL OF METAL VS RESORBABLE PLATES IN SURGICAL STABILIZATION OF RIB FRACTURES Speaker: Dennis Ashley, M.D.

**PAPER 60: 2:00 PM** COVER WITH CAUTION: MANAGEMENT OF THE LEFT SUBCLAVIAN ARTERY IN TEVAR FOR TRAUMA Speaker: Anna Romagnoli, M.D.

**PAPER 61: 2:20 PM** PRACTICAL MACHINE LEARNING APPLICATION TO CHARACTERIZE GERIATRIC TRAUMA FRAILTY Speaker: Jeff Choi, M.D., Ms.C.

**PAPER 62: 2:40 PM** SOCIAL DETERMINANTS OF HEALTH AND PATIENT-LEVEL MORTALITY PREDICTION AFTER TRAUMA Speaker: Heather Phelos, M.D., Ms.C.

**PAPER 63: 3:00 PM** TRAUMA TRANSFERS DISCHARGED FROM THE EMERGENCY DEPARTMENT- IS THERE A ROLE FOR TELEMEDICINE? Speaker: Amanda Celii, M.D.

**PAPER 64: 3:20 PM** MEDICAL MANAGEMENT OF GRADE I-II SPLENIC INJURIES WITH ACTIVE EXTRAVASATION HAS A HIGH FAILURE RATE: AN EAST MCT Speaker: Kristen Spoor, M.D.

**PAPER 65: 3:40 PM** TIMING IS EVERYTHING: IMPACT OF COMBINED LONG BONE FRACTURE AND MAJOR ARTERIAL INJURY ON OUTCOMES Speaker: Richard Lewis, M.D., M.A.

**PAPER 66: 4:00 PM** TIME TO THE OR AFTER GUNSHOT WOUNDS TO THE ABDOMEN: A POTENTIAL PROCESS MEASURE TO ASSESS THE QUALITY OF TRAUMA CARE? Speaker: Arielle Thomas, M.D., M.P.H.

**PAPER 67: 4:20 PM** LONG-TERM FUNCTIONAL AND PATIENT REPORTED OUTCOMES AFTER ISOLATED RIB FRACTURES Speaker: Patrick Heindel, M.D.

## AAST ANNUAL BUSINESS MEETING

AAST Banquet and Experience AAST Live Auction

4:45 PM - 6:15 PM

7:30 PM - 11:00 PM

## SATURDAY, OCTOBER 2, 2021

7:00 AM - 8:00 AM

7:30 AM - 10:00 AM

7:30 AM - 8:30 AM

8:00 AM - 9:18 AM

## NEW MEMBER BREAKFAST

Registration (if needed)

Breakfast

## SESSION XV: QUICKSHOT SESSION I I-13

**QS1: 8:00 AM** PREHOSPITAL WHOLE BLOOD IS ASSOCIATED WITH IMPROVED HEMOSTASIS AND CLINICAL OUTCOMES: RESULTS OF A PROSPECTIVE RANDOMIZED PILOT TRIAL Speaker: Francis Guyette, M.D.

**QS2: 8:06 AM** LIFE OVER LIMB: VASCULAR LIMB COMPLICATIONS FOLLOWING REBOA Speaker: Robert Laverty, M.D., M.P.H.

**QS3: 8:12 AM** BALLOONS FOR KIDS: ANATOMIC CANDIDACY AND OPTIMAL CATHETER SIZE FOR PEDIATRIC REBOA Speaker: Alicia Skyes, M.D.

**QS4: 8:18 AM** FOLLOW YOUR COMPASS: REBOA MANAGEMENT GUIDED BY A NOVEL HANDHELD PRESSURE TRANSDUCER Speaker: Torbjorg Holtestaul, M.D.

# SCHEDULE AT A GLANCE

**QS5: 8:24 AM** ADVANCED PARTIAL OCCLUSION CONTROLLER FOR REBOA IN A PORCINE MODEL OF HEMORRHAGIC SHOCK Speaker: Alexis Lauria, M.D.

**QS6: 8:30 AM** PROSPECTIVE VALIDATION OF THE RIB INJURY GUIDELINES (RIG) FOR TRAUMATIC RIB FRACTURES Speaker: Adam Nelson, M.D.

**QS7: 8:36 AM** NOT SO FAST- CHEST ULTRASOUND UNDERDIAGNOSES TRAUMATIC PNEUMOTHORAX Speaker: Jarrett Santorelli, M.D.

**QS8: 8:42 AM** UROLOGIC CONSULTATION IMPROVES RENAL SALVAGE RATES AT A REGIONAL LEVEL I TRAUMA CENTER Speaker: Joseph Kim, M.D.

**QS9: 8:48 AM** RISK FACTORS FOR STROKE IN PENETRATING CAROTID TRAUMA IN THE AAST PROOVIT REGISTRY Speaker: Leigh Ann O'Banion, M.D.

**QS10: 8:54 AM** DELETERIOUS EFFECTS OF PLASMA-DERIVED CELLULAR DEBRIS IN A PORCINE MODEL OF HEMORRHAGIC SHOCK Speaker: Colin Buckley, M.D.

**QS11: 9:00 AM** IMAGE BASED DETECTION AND ANALYSIS OF STROKE DUE TO BLUNT CEREBROVASCULAR INJURY Speaker: Jonathan Black, M.D.

**QS12: 9:06 AM** HEMORRHAGE PROGRESSION IN TRAUMATIC BRAIN INJURY OCCURS EARLY AND IS NOT INCREASED BY ADMINISTRATION OF NAPROXEN Speaker: Kayla Isbell, M.D.

**QS13: 9:12 AM** DEVELOPMENT OF AN AI-DRIVEN POINT-OF-CARE TRAUMA BIOMARKER PANEL TO IDENTIFY INJURY PRESENCE AND SEVERITY Speaker: Deniz Vurmaz, Ph.D.

Break

## SESSION XVI: QUICKSHOT SESSION II

**QS14: 9:40 AM** SMALL BOWEL OBSTRUCTION IN THE VIRGIN ABDOMEN Speaker: Panagiotis Liasidis, M.D.

**QS15: 9:46 AM** BURNOUT REDUCTION IN ACUTE CARE SURGEONS: IMPACT OF A FACULTY SCHEDULE CHANGE AT A LEVEL I TRAUMA AND TERTIARY CARE CENTER Speaker: Caitlin Jones, D.O.

**QS16: 9:52 AM** CODE CRITICAL AIRWAY: A COLLABORATIVE SOLUTION TO A CATASTROPHIC PROBLEM Speaker: Amber Himmler, M.D.

**QS17: 9:58 AM** DOES PRACTICE MATCH TRAINING? CONSULTATION PRACTICES IN SURGICAL CRITICAL CARE Speaker: Christopher Michetti, M.D.

**QS18: 10:04 AM** ESTRADIOL REDUCES MORTALITY IN A SWINE MODEL OF POLY TRAUMA AND HEMORRHAGIC SHOCK Speaker: Hossam Abdou, M.D.

**QS19: 10:10 AM** THE INTERACTION BETWEEN  $\beta$ -ADRENERGIC BLOCKADE AND THE REVISED CARDIAC RISK INDEX IN RELATION TO MORTALITY AFTER TRAUMATIC HIP FRACTURE SURGERY IN GERIATRIC PATIENTS Speaker: Ahmad Mohammad Ismail, M.D.

**QS20: 10:16 AM** HEMORRHAGE INCREASES CAPILLARY CONGESTION IN A PORCINE MULTIPLE TRAUMA MODEL Speaker: S. James El Haddi, M.D., M.S.

**QS21: 10:22 AM** DEFINING SEPSIS PHENOTYPES - TWO MURINE MODELS OF SEPSIS AND MACHINE LEARNING Speaker: Allan Stolarski, M.S., M.D.

**QS22: 10:28 AM** IMPACT OF COVID STATUS COMPLICATIONS IN PATIENTS IN HEMORRHAGIC SHOCK Speaker: Jason Brill, M.D.

**QS23: 10:34 AM** THE NEW FACE OF WAR: CRANIOFACIAL INJURIES FROM OPERATION INHERENT RESOLVE Speaker: Daniel Neubauer, M.D.

**QS24: 10:40 AM** LIFE THREAT DURING ASSAULTIVE TRAUMA: CRITICAL PERI-TRAUMATIC RISK FACTORS FOR INJURED PATIENTS Speaker: Sydney Timmer-Murillo, M.S.

**QS25: 10:46 AM** ACUTE STRESS DISORDER IN TRAUMA PATIENTS DISCHARGED IN 72 HOURS OR LESS Speaker: Aaron Veenis, B.S.

**QS26: 10:52 AM** EARLY PREDICTORS OF POST DISCHARGE DEATH IN THE ELDERLY TRAUMA POPULATION TO GUIDE PALLIATIVE CARE DISCUSSIONS Speaker: Andrew Chang, M.D.

MEETING ADJOURNED

9:18 AM - 9:40 AM

9:40 AM - 10:58 AM

11:00 AM

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





# 80<sup>TH</sup> ANNUAL MEETING CONTESTS



## best of

We Need Your Help! Best Of Contest! At the Annual Meeting, attendees will be selecting the Best of Exhibitors. Exhibitors will compete in various categories including best product, technology, service, and more!

### ***In Order to Participate:***

1. Locate the Best of Card in your conference badge.
2. As you visit the exhibitors, select who has the best of in each category.
3. Turn in the card at the AAST Information Desk.
4. Take home an AAST logo item for your card!

Prize: Eligible for up to one prize! Visit the Info Desk to claim your prize!

*\*Only exhibitors in the exhibit hall are eligible\**

## passport to prizes

Want an easy way to get free registration and hotel accommodations for an upcoming AAST Annual Meeting?!? Three lucky winners will get the opportunity to experience the AAST Annual Meeting for free! All you have to do is visit the exhibit hall and scan the exhibitor QR codes! To start playing:

### ***How to Play Click:***

It's simple—just take photos that represent each exhibitor and submit them for points!

1. Tap Profile at the top of the screen to see a list of badges and challenges to complete.
2. Pick a challenge, then tap the camera to go to the camera view.
3. Take a photo, choose from your gallery, or tap X to cancel.
4. Confirm your photo on the submission page by tapping Submit.
5. You're all set! You'll be awarded the points for your challenge, and the camera icon will become your submission photo.

Not satisfied with your submission? Tap the photo icon to resubmit the challenge.

This grand prize includes: One 2022 or 2023 Annual Meeting Registration, four nights hotel accommodations, and an extra banquet ticket or lunch/presession package!

*Note: Spouse/Guest registrants are not eligible to win. Medical Students and Residents are not eligible for the Grand Prize.*

## in-app game

The in-app game experience is a great way to learn how to use the AAST Annual Meeting app in a short period of time and discover new networking opportunities. You'll earn points for exploring the app and earning achievements. AND you can even opt in to compete on the leader board against other attendees! You never know who will be right on your heels. Everyone wins by playing, but only a few earn the right to be in top place on the leader board.

Just download the app and start exploring. Be a good sport. We want you to engage with the app, event, and other attendees, not spam people.

*Please note: The game is accessible immediately, and can be played at any time. The leader board competition ends when the Annual Meeting ends. Everyone can play. Bad behavior can get you banned from the leader board.*

# HOTEL INFORMATION

## Hilton Atlanta

255 Courtland Street NE

Atlanta, GA 30303

Phone: 404-659-2000

<https://www.hilton.com/en/hotels/atlahhh-hilton-atlanta/>

**Group Rate: \$219 single/double per night, plus tax and fees**

### BOOKING YOUR ROOM

A block of rooms has been reserved at the Hilton Atlanta at the special group rate of \$219 single/double per night, plus tax and fees.

Reservations can be made online at <https://book.passkey.com/go/AAST2021> or calling 888-225-9664 and reference: American Association for the Surgery of Trauma (AAST) Annual Meeting.

Hotel check-in is 4:00 PM EST local time. Every effort will be made to accommodate guests arriving before the check-in time; however, rooms may not be immediately available. Checkout time is 11:00 AM EST local time.

\*\* Please note that a credit card is required at time of booking to guarantee the reservation. The credit card will only be charged for a late cancellation fee or no-show fee.

### RESERVATION DEADLINE

The cut-off date to receive the special group rate is Friday, September 3, 2021. Reservations received after this date, or once the room block fills, will be based on space and rate availability.

The AAST group room rate will be honored three days prior and three days after the Annual Meeting dates of September 29 - October 2, 2021, based on hotel's availability.

### CANCELLATIONS

Reservation cancellations must be received by the hotel 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 Hilton Atlanta. 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)
- U.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)
- U.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 cannot provide one of these forms of identification, the hotel will provide you with the standard Group Rate per night (\$219 plus applicable taxes and fees) at the time of check-in.**

If you can meet these requirements, reservations can be made online at:

<https://book.passkey.com/go/AASTGov>

### AIRPORT

The Hilton Atlanta is 10 miles from the Hartsfield Jackson International Airport (ATL); the hotel does not have a hotel shuttle for transport, but there are plenty of taxis, Ubers, etc. at both the airport and hotel.

### PARKING

Self-parking (per day): \$32.00

Valet Parking (per day): \$46.00



# TRAVEL INFORMATION

## AIR TRANSPORTATION

AAST has arranged special meeting discounts on 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

8:00 am–5:00 pm CST; Saturday–Sunday

ACS Z Code: ZJT9

Agreement Code: 276592

Purchase your ticket online at [united.com](https://www.united.com) and receive a discount off the lowest applicable fares. **When booking online, please enter ZJT9276592 to receive your discount.** Area/Zone fares based on geographic location are also available with no Saturday night stay required.



## DOMESTIC TRAVEL POLICY

The Transportation Security Administration's (TSA) mandate of wearing masks on all domestic transportation networks is in effect until September 13, 2021. This network includes travelers at airports, on aircraft, commercial buses, and commuter bus and rail systems (including Amtrak). In addition, many ride-share services are requiring riders to wear masks.

**PLEASE VISIT THIS SITE FOR CURRENT TRAVEL PROTOCOLS** <https://www.tsa.gov/coronavirus>.

While you are travelling:

- Wear a mask over your nose and mouth.
- Avoid crowds and stay at least 6 feet from anyone who is not travelling with you.
- Wash your hands often or use hand sanitizer.

**Vaccinated travelers:** Fully vaccinated individuals do not need to get tested before or after travel unless their destinations require it and quarantine is not necessary.

## GROUND TRANSPORTATION

Public Transit is available from Hartsfield-Jackson Airport to the Peachtree Center Transit Station. The Hilton Atlanta is approximately a seven-minute walk from this station. MARTA tickets can be purchased at stations, and a one-way ride is \$2.50.

Taxi and ride shares from the airport to the Hilton Atlanta are available. Prices can vary based on surge times but are generally around \$35 each way.





# THINGS TO DO



For information on things to do while staying at the Hilton Atlanta visit:

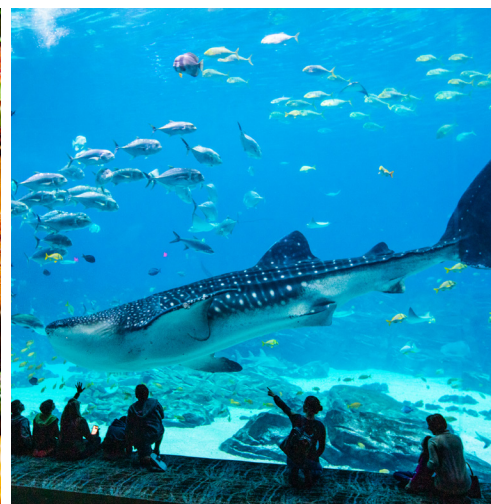
- [www.hilton.com/en/hotels/atlahhh-hilton-atlanta/explore/](http://www.hilton.com/en/hotels/atlahhh-hilton-atlanta/explore/)
- [discoveratlanta.com](http://discoveratlanta.com)

Additional Dining:

- [www.hilton.com/en/hotels/atlahhh-hilton-atlanta/dining/](http://www.hilton.com/en/hotels/atlahhh-hilton-atlanta/dining/)

For dining options supporting black owned business visit:

- [www.atlantaeats.com/blog/50-black-owned-restaurants-in-atlanta/](http://www.atlantaeats.com/blog/50-black-owned-restaurants-in-atlanta/)





# EXHIBITOR INFORMATION

## 2021 AAST EXHIBITORS (as of July 1, 2021)

- ACS Committee on Trauma
- **Alexion Pharmaceuticals Inc.**
- American Trauma Society
- Arcos
- Coalition for National Trauma Research (CNTR)
- DePuy Synthes (Key card sponsor)
- **Envision Physician Services**
- Front Line Medical Technologies, Inc.
- Haemonetics
- Journal of Trauma and Acute Care Surgery
- KLS Martin Group
- LifeScience PLUS
- Prytime Medical
- Trauma Center Association of America (TCAA)
- Teleflex
- Trauma Surgery & Acute Care Open - BMJ
- United States Navy Recruiting
- Wolters Kluwer
- Zimmer Biomet

- **2021 SILVER SPONSOR**
- **2021 BRONZE SPONSOR**

## EXHIBITOR HOURS

- Wednesday, September 29  
7:00 AM-1:00 PM/  
5:30 PM-7:00 PM
- Thursday, September 30  
7:00 AM-1:00 PM
- Friday, October 1  
7:00 AM – 1:30 PM





# POLICIES

## CANCELLATION POLICY

Requests for refunds must be made in writing and received on or before Friday, September 3, 2021. There is a \$150 processing fee for all refunds and returned checks. Cancellations and registrations postmarked after September 4, 2021, will not be eligible for refunds.

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

AAST reserves the right to cancel any regularly scheduled session prior to the start of the meeting. Please contact AAST Registration Services with any questions.

## AAST Registration Services

Email: [registration@facs.org](mailto:registration@facs.org)

Phone: (312) 202-5244

Fax: (312) 202-5003

## TICKETS

All tickets are nontransferable. This includes the preconference sessions, add-on sessions, lunch sessions, special breakfasts, and the banquet.

## REGISTRATION INFORMATION

Registration for the 80th Annual Meeting of the American Association for the Surgery of Trauma & Clinical Congress of Acute Care Surgery is now open. To register online or download the registration form, visit [www.aast.org/Annual-Meeting/Registration.aspx](http://www.aast.org/Annual-Meeting/Registration.aspx).

## REGISTRATION HOURS\*

Tuesday, September 28:	12:00 PM – 7:00 PM
Wednesday, September 29:	6:30 AM – 5:15 PM
Thursday, September 30:	7:00 AM – 3:00 PM
Friday, October 1:	7:00 AM – 3:00 PM
Saturday, October 2:	7:30 AM – 10:00 AM**

\*Registration hours are subject to change.

\*\*If needed.

## REGISTRATION RATES

Full Meeting Registration – includes continental breakfasts Wednesday-Saturday, Wednesday Welcome Reception and Thursday box lunch. Tuesday pre-conference sessions, Wednesday & Friday box lunch sessions, special breakfast sessions and the AAST Banquet/Auction on Friday night are an additional fee. The two-day Emergency Surgery Course is Monday and Tuesday and is also an extra fee.

Active Duty US Military – AAST offers a discount to active duty military for AAST Member and Non-Member categories. To register a letter verifying active duty status is required.

FULL CONFERENCE FEES – The official AAST program will begin at 8:00 am EST on Wednesday, September 29.





# REGISTRATION INFORMATION

<b>IN-PERSON REGISTRANTS</b>	<b>2021 MEETING RATES</b>
AAST Member	\$575
Members On-site	\$685
Non-Member	\$645
Non-Members late	\$695
Non-Member on-site	\$735
Associate Member Resident	\$250
Associate Member In-Training Fellows	\$285
Associate Member Candidate - Resident (app in system)	\$275
Associate Member Candidate - In-Training Fellow (app in system)	\$300
Military Early	\$450
Military Late	\$495
Military Onsite	\$535
Nurses/Parmedics	\$510
Nurses/Paramedics late	\$560
Nurses/Paramedics Onsite	\$610
Nuses/Paramedics Comp	\$560
Other - Early	\$510
Other - Late	\$560
Other - Onsite	\$610
Guest Registration	\$200
AAST Banquet Fee	\$50
Corporate Representatives	\$1,500

<b>VIRTUAL REGISTRANTS</b>	<b>2021 MEETING RATES</b>
Members Virtual	\$400
Non-Member Virtual	\$450
Associate Member Jr Faculty Virtual	\$210
Associate Member Resident	\$0
Associate Member In-Training Fellow	\$0
Military Virtual	\$250
Nurses/Paramedics Virtual	\$355
Other - Virtual	\$355
Residents Virtual	\$0
In-Training Virtual	\$0
Students Virtual	\$0
Low Income Country Virtual	\$85
Low-Middle Income Country Virtual	\$170

# REGISTRATION INFORMATION

<b>SINGLE DAY REGISTRANTS</b>	<b>2021 MEETING RATES</b>
Nurses/Paramedics - Wednesday	\$175
Nurses/Paramedics - Thursday	\$175
Nurses/Paraedics - Friday	\$155
Nurses/Paramedics - Saturday	\$25
Other - Wednesday	\$175
Other - Thursday	\$175
Other - Friday	\$155
Other - Saturday	\$25
In-Training Fellows- Wednesday	\$115
In-Training Fellows- Thursday	\$115
In-Training Fellows- Friday	\$95
In-Training Fellows- Saturday	\$25
Resident- Wednesday	\$115
Resident- Thursday	\$115
Resident- Friday	\$95
Resident - Saturday	\$15
Student - Wednesday	\$65
Student - Thursday	\$65
Student - Friday	\$45
Student - Saturday	\$0
Preconference and Add-on Sessions ONLY	\$150



**September 28 – October 2, 2021**  
**Hilton Atlanta**  
**Atlanta, GA**

Early registration deadline:  
**Monday, August 30**

Each registrant must submit a separate form.

**THREE EASY WAYS TO REGISTER!** Please choose one method. **Online:** www.aast.org **Fax:** 312-202-5003  
**Mail:** AAST Registration Services, c/o American College of Surgeons 633 N. Saint Clair St., Chicago, IL 60611

## Attendee Information

FIRST	MIDDLE	LAST	
PROFESSIONAL DEGREE(S)/DESIGNATION(S)/CREDENTIALS		POSITION/TITLE	
INSTITUTION		PREFERRED MAILING ADDRESS	
CITY	STATE	ZIP/POSTAL CODE	COUNTRY
PHONE	FAX	MOBILE	
E-MAIL (confirmation will be sent to the e-mail address provided above and will be used for CME purposes)		ACS MEMBERSHIP ID, IF APPLICABLE	
EMERGENCY CONTACT NAME	PHONE/CELL	RELATIONSHIP TO ATTENDEE	

IS THIS YOUR FIRST AAST ANNUAL MEETING? ☐ YES ☐ NO      MILITARY AFFILIATION: ☐ Active ☐ Reserve ☐ Guard ☐ Retired

PROVIDE THE EMAIL ADDRESS YOU WISH TO RECEIVE CME COMMUNICATION: \_\_\_\_\_

Guest\* Information (if attending)—includes the Opening Reception, Continental Breakfast, Thursday - Saturday, Friday box lunch and Banquet.

FIRST	MIDDLE	LAST	*The guest registration category does not apply to scientific attendees and is intended for a spouse or significant other. Please register under the appropriate category below.
CITY	STATE	E-MAIL	

## Registration Fees

The official AAST program will begin at 8:00 am EST on Wednesday, September 29.

**Full Meeting Registration** • Includes continental breakfast (Wednesday - Saturday), opening reception, and Friday box lunch.

Category	Early Fee on or before 8/30/21	Late Fee 9/28/21	On-site Fees	Total
AAST Member	\$575	\$635	\$685	
Nonmember	\$645	\$695	\$735	
Assoc. Member Jr. Faculty	\$375	\$375	\$375	
Assoc. Member In-Training Fellows	\$285	\$285	\$285	
Assoc. Member Resident	\$250	\$250	\$250	
Assoc. Member Candidate^—Jr. Faculty	\$400	\$400	\$400	
Assoc. Member Candidate^—In-Training Fellow	\$300	\$300	\$300	
Assoc. Member Candidate^—Resident	\$275	\$275	\$275	
Active Military**	\$450	\$495	\$535	
Nurse/Paramedic	\$510	\$560	\$610	
Other (medical personnel [non-MD] not listed)	\$510	\$560	\$610	
In-Training Fellow*	\$335	\$335	\$335	
Resident*	\$300	\$300	\$300	
Student*	\$170	\$170	\$170	
Guest†	\$200	\$200	\$200	
Exhibitors	\$275	\$275	\$275	

	Virtual Fees	Total
Members - Virtual	\$400	
Non-Member - Virtual	\$450	
Associate Member Jr Faculty - Virtual	\$210	
Associate Member In-Training Fellow - Virtual	\$0	
Associate Member Resident- Virtual	\$0	
Military - Virtual	\$250	
Nurses/Paramedics - Virtual	\$355	
Other - Virtual	\$355	
In-Training - Virtual	\$0	
Residents - Virtual	\$0	
Students - Virtual	\$0	
Low-Middle Income Country - Virtual	\$170	
Low Income Country - Virtual	\$85	

**Daily Meeting Registration** • Includes continental breakfast on registered day. Lunch/pre-add-on sessions and banquet are additional.

Check the day(s) you wish to register for.	Wednesday	Thursday	Friday	Friday w/Banquet	Saturday	Total
Nurse/Paramedic	\$175	\$175	\$155	\$225	\$25	
Other (medical personnel [non-MD] not listed)	\$175	\$175	\$155	\$225	\$25	
In-Training Fellow*	\$115	\$115	\$95	\$175	\$25	
Resident*	\$115	\$115	\$95	\$120	\$15	
Student*	\$65	\$65	\$45	\$70	Free	

**Subtotal:**

### Program Book

Program books will be available for download on the AAST website closer to the meeting. If you'd like a printed program book, the cost is \$25 and will be provided to you when you check in at registration. The complete program will also be available on the meeting app.

☐ I would like a printed program book. **\$25**

☐ I will download the program book. **FREE**

**Registration Fee Subtotal:**

### PRE-MEETING EMERGENCY CONTACT INFORMATION:

Please let us know the best method to reach you prior to the meeting in case of an emergency, i.e. natural disaster, meeting cancellation, etc.

☐ Mobile E-mail (please indicate if different from above): \_\_\_\_\_

☐ Mobile Phone (please indicate if different from above): \_\_\_\_\_

☐ Home Phone: \_\_\_\_\_

\* Requires verification letter from department chairman or program director. Online registration is available.

\*\* Requires letter verifying active duty status.

† Friday banquet is included with Guest registrations.

^ Must have applied for membership with AAST as an Associate Member in 2021.

### AMERICANS WITH DISABILITIES ACT

Please indicate if an ADA accommodation is required. If required, an AAST staff person will contact you.

☐ Audio ☐ Visual ☐ Mobile

☐ Other \_\_\_\_\_

☐ Check here if you or your guest has a dietary restriction. Please specify: \_\_\_\_\_



<b>EMERGENCY SURGERY COURSE</b> <i>(includes breakfast/lunch)</i>	
Monday, September 27th - Tuesday, September 28th 7:45 AM – 4:00 PM EST <input type="checkbox"/> Emergency Surgery Course	\$300
<b>PRECONFERENCE SESSIONS</b> <i>(Includes Reception 5:00-6:00 pm)</i>	
Tuesday, September 28th 1:00-5:00 PM EST	
<input type="checkbox"/> The New Surgeon: Life after Residency and Fellowship	\$70
<input type="checkbox"/> Emerging Technology, Artificial Intelligence, Telemedicine, and Simulation: Where are we now?	\$70
<input type="checkbox"/> Neurocritical Care Update and Board Review Course (participants will receive a review book)	\$125
<b>Preconference Session Subtotal</b>	
<b>Add-on Sessions</b> <i>(includes break with refreshments)</i>	
Thursday, September 30th 2:30-6:00 PM EST	
<input type="checkbox"/> Mastering difficult conversations in acute care surgery	\$70
<input type="checkbox"/> Pediatric Trauma Update Course	\$70
<input type="checkbox"/> Continuous Certification: Hot topics, case challenges, and current literature in trauma and EGS (will be available virtually)	
<input type="checkbox"/> In Person	\$70
<input type="checkbox"/> Virtual	\$70
<b>Additional Session Subtotal</b>	
<b>Lunch Sessions</b> <i>(includes lunch)</i>	
Wednesday, September 29th 12:25-1:40 PM EST*	
<input type="checkbox"/> Jacks of All Trades: Military, Rural, and Humanitarian Surgical Perspective on Competencies for Surgical Care in Austere Settings	
<input type="checkbox"/> Cultural Complications: Using M&M to learn, change, improve	
<input type="checkbox"/> Beyond hospital survival: improving outcomes after injury	
<input type="checkbox"/> Disaster medicine opportunities for the interested surgeon: How to get involved and what to expect.	
Thursday, September 30th 1:10-2:25 PM EST*	
<input type="checkbox"/> Staffing a Trauma/Acute Care Surgery Service – What is a full-time employee (FTE)	
<input type="checkbox"/> Taking your Research to the Next Level: What can CNTR do for you?	
<input type="checkbox"/> ACS Fellowships: Hot Topics for Program Directors	
<input type="checkbox"/> The Power of Mentorship: A No-Lecture, RoundTable Discussion	
Friday, October 1st 11:45-1:00 PM EST*	
<input type="checkbox"/> What you need to know about Post-ICU Syndrome	
<input type="checkbox"/> Laparoscopic CBD exploration: When, why, and how to start doing them	
<input type="checkbox"/> Fostering Diverse & Inclusive Inter-professional Acute Care Surgery Teams	
<input type="checkbox"/> Technical Aspects of Challenging Vascular Injuries for Military and Civilian Trauma Surgeons	
<i>*Times subject to change.</i>	
<input type="checkbox"/> If you are a Lunch Session moderator/presenter, please check here to receive your complimentary lunch ticket.	
<small>*AAST will be providing CME credits for all pre/add-on/lunch sessions as required for the fulfillment of Part 2 of the American Board of Surgery Maintenance of Certification (MOC) Program to Physicians.</small>	
<b>Lunch Session Subtotal:</b>	
<b>Friday Evening Banquet</b>	
Friday, October 1st 7:30-10:00 pm EST <i>(Attire is business or black tie optional)</i>	
<input type="checkbox"/> Attendee Ticket*	\$50
<input type="checkbox"/> Student/Resident Ticket*	\$0
*There are a limited number of tickets for the banquet. AAST cannot guarantee onsite ticket sales for the banquet. Tickets are nontransferable and nonrefundable. All attendees attending the banquet <b>must</b> have a ticket and badge. Additional fee does not apply to purchased guest tickets.	
<b>Optional Breakfasts</b>	
<input type="checkbox"/> Resident, Student and In-Training Fellow Breakfast <i>(must be registered as a resident, student or in-training fellow)</i> Wednesday, September 29th 6:30-7:30 AM	FREE
<input type="checkbox"/> International Attendee Breakfast <i>(for all international attendees only)</i> Thursday, September 30th 6:15-7:15 AM EST	FREE
<input type="checkbox"/> New Fellows Breakfast <i>(for new members in the last two years only)</i> Saturday, October 2nd 7:00-8:00 AM EST	FREE
<b>Optional Social Events</b>	
<input type="checkbox"/> Welcome Reception • Wednesday, September 29 - 7:00 - 8:00 PM EST	FREE
<input type="checkbox"/> Friday Luncheon in Exhibit Hall • Friday, October 1st - 11:45-1:00 PM EST	FREE
<b>TOTAL AMOUNT DUE:</b>	

### Solicitation Policy:

The AAST strictly prohibits the solicitation and distribution of products and equipment at the AAST Annual Meeting in educational sessions from 7:30 am to 7:00 pm Wednesday - Friday and 8:00 am – 12:00 pm 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.

☐ I have read and understand the solicitation policy.

SIGNATURE

### Confirmation

Confirmations will be sent via e-mail, fax, or mail to all registrants. Please ensure legibility prior to faxing or mailing, and include all pages of the registration form.

### Cancellation Policy

Requests for refunds must be made in writing and received on or before Friday, September 3, 2021. There is a \$150 processing fee for all refunds and returned checks. Cancellations and registrations postmarked after the deadline date will not be eligible for refunds.

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.

### Registration Questions?

Please contact AAST Registration Services at registration@facs.org or 312-202-5244.

### Badge & Course/Event Ticket Policy:

All AAST name badges and course/event tickets are non-transferable.

☐ Please check this box indicating you understand the following terms regarding COVID-19 Safety Protocols:

I will adhere to mask and social distance protocols **put in place by the event organizers and the hotel and respect others' personal space.** AAST is working with the Hilton Atlanta on safe distances throughout the meeting space.

### EU Residents Only: Opt-in for Purchase of Products, Services, Registration, Other Applications

Personal data collected through registration for events will be held and processed by the American Association for the Surgery of Trauma, their respective employees, agents and contractors (collectively "AAST"), to administer purchased products and services and to conduct such other functions which are necessary to its business operations for three years. AAST may also share your personal data with outside companies offering products and services which may be of interest to you (other purposes).

\_\_\_\_\_ I understand that my personal data collected through my registration for events will be used to process the registration and I consent for my personal data to be used for the other purposes as stated above.

\_\_\_\_\_ I understand that my personal data collected through my registration for events will be used to process the registration. I do not consent for my personal data to be used for the other purposes stated above.

### Payment

Payment must accompany registration. Registration cannot be confirmed without payment. Purchase orders are not accepted.

AAST Tax ID : 36-2985865.

**Fees payable in U.S. funds to AAST.**

☐ Check (enclosed)  
☐ American Express ☐ MasterCard ☐ VISA

CREDIT CARD NUMBER

EXPIRATION DATE

CARD HOLDER NAME

SIGNATURE