

78th ANNUAL MEETING

of the American Association for the Surgery of Trauma
& Clinical Congress of Acute Care Surgery



September 18-21, 2019
Sheraton Dallas • Texas

aast.org

FROM THE PROGRAM CHAIR AND RECORDER

We are putting together the final touches on the program for the 78th Annual Meeting of the AAST and Clinical Congress of Acute Surgery to be held in Dallas, Texas from September 18 to 21, 2019. This year, we are back to a more traditional schedule. A few highlights:

- 4 pre-meeting sessions on the morning of Wednesday, September 18th. Breakfast will be provided to all presession attendees.
- 66 oral papers presented throughout the four days of the meeting, with the first group of oral presentations starting on Wednesday, September 18th at 1:00 PM
- 26 Quick Shot presentations on Saturday, September 21st
- 140 electronic poster presentations will be split in two sessions of 70 posters each. The first 70 posters will be bundled into groups of 10 for poster professors' rounds, which will occur on Wednesday, September 18th. The remaining 70 posters will be presented on Friday, September 20th.
- 6 lunch sessions on Thursday, September 19th
- 6 sunrise sessions on Friday, September 20th
- A panel session on Wednesday, September 18th focusing on International Trauma Care Economics
- Fitts Oration: Timothy C. Fabian, MD will present "*A Seussian Tale of a Trauma Time Traveler*" on Friday, September 20th.
- Two Master Surgeon Lectures: J. Wayne Meredith, MD will present on Wednesday, September 18th, and Gregory Jurkovich, MD will present on Friday, September 20th.
- Presidential Address: AAST's president, Martin Croce, MD will give his presidential address on Thursday, September 19th.
- Emergency Surgery Course (ESC): New this year on our program is the Emergency Surgery Course, which will take place outside of the traditional Annual Meeting hours. The ESC will be held all day on Monday, September 16th and Tuesday, September 17th. The ESC is a full two-day course that provides emergency surgery education and includes breakout sessions, case discussions, topic reviews, and more. Please note: participants must register separately for this course.

The Annual Meeting program itself will cover a broad range of Acute Care Surgery topics, with more than fifty-five different institutions represented in the oral paper sessions alone. The social program will also be exceptional. Make your plans early. I look forward to seeing you all in Dallas in September.



Patrick M. Reilly, MD,
Program Chair & Recorder





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FROM THE PRESIDENT

Howdy Folks!

It gives me great joy to welcome you to the 78th Annual Meeting of the American Association for the Surgery of Trauma and Clinical Congress of Acute Care Surgery! Our meeting in Dallas, Texas from September 18-21, 2019 is the first ever in Dallas and will be held at the newly-renovated Sheraton. I've heard that the Sheraton renovated their lovely grounds just for us. Dr. Reilly and the Program Committee have put together a first class lineup of presentations and multiple other educational opportunities that are all hat and more cattle.

This year we changed a few things to allow attendees a more engaging, quality experience. First, our new Emergency Surgery Course will take place before the meeting and is a full two-day course with a reception on Tuesday, September 17. We divided the posters into two sessions to avoid the mass confusion that typically accompanies poster sessions – one is Wednesday and the other is Friday. This will allow extended engagement with each presenter. We also introduced an alternative to our traditional lunch sessions, with sunrise sessions taking place on Friday. Make sure to sign up as soon as possible since they fill up quickly! Our last new endeavor is the “Experience AAST Auction” to offer numerous unique AAST member experiences.

One thing that did not change is the outstanding reputation of the Fitts Orator and the Master Surgeon lectures. You may have heard of these people – Dr. Tim Fabian, Past President of the AAST, will deliver the 45th William T. Fitts, Jr. Oration. Two other AAST Past Presidents, Drs. J. Wayne Meredith and Jerry Jurkovich, will deliver the Master Surgeon lectures. We will also have a provocative panel of international surgeons discussing trauma care in their respective countries.

Our meeting is the showcase of many changes at AAST. From our new Associate Member category to our new educational offerings, we hope that this year's meeting really allows you to experience what the AAST has to offer. I would be remiss without a sincere thank you to our committees, who work year round to create presentations, volunteer as moderators, and host lunch sessions. Also, thank you to our staff, who work around the clock to make every meeting an exciting event and for all their efforts behind the scenes. We are incredibly fortunate to have such a group who care so much about everything. And thank you to all of our attendees! It's been a very special privilege to serve as your President this year, and I look forward to delivering my address from a mechanical bull. Maybe.



Martin A. Croce, MD
2018-2019
AAST President

EMERGENCY SURGERY COURSE

Dallas

September 16+17, 2019

Presented by

The American Association for
the Surgery of Trauma

and the

European Society for Trauma
and Emergency Surgery



The course will be held on Monday, September 16th and Tuesday, September 17th from 7:30-4:00. Reception will follow on Monday from 4:00-7:00 PM.

Participants will receive the Emergency Surgery Book and an esyllabus to take home.

COURSE DESCRIPTION

The ESC has the following goals:

- CONFRONT SURGEONS WITH EVERY DAY AND PROBLEMATIC EMERGENCY SCENARIOS
- PROVIDE CONCRETE ANSWERS AND GUIDELINES FOR QUESTIONS EMERGING FROM THESE SITUATIONS
- HONE THE DECISION-MAKING SKILLS NECESSARY TO MANAGE PREOPERATIVE, INTRAOPERATIVE, AND POSTOPERATIVE ISSUES

COURSE CONTENT

Full two days of emergency surgery education that include:

- BREAKOUT SESSIONS
- CASE DISCUSSIONS
- TOPIC REVIEWS
- ETC.

Topics include but are not limited to:

- ABDOMINAL SEPSIS
- BOWEL OBSTRUCTION
- COLORECTAL EMERGENCIES
- ACUTE CHOLECYSTITIS
- OBSTETRIC EMERGENCIES
- ETC.

FEATURED SPEAKERS



Martin A. Croce,
MD, FACS

PRESIDENTIAL ADDRESS

Martin A. Croce, MD, FACS, was born in Camden, NJ in 1957. He obtained a Bachelor of Science from the University of Notre Dame in 1979, and his medical degree from the University of Tennessee in 1983. He completed his residency at the University of Tennessee in 1988 and then completed a Fellowship in Surgical Critical Care at the University of Miami, Jackson Memorial Hospital in 1989. He returned to the Department of Surgery at the University of Tennessee in 1989 where he was the Professor of Surgery and Chief of Trauma and Surgical Critical Care at the University of Tennessee Health Science Center in Memphis. In 2017 he became the Chief Medical Officer at Regional Health One. He presently serves as the President for the American Association for the Surgery of Trauma, First Vice President of the Southern Surgical Association, and also is a Director for the American Board of Surgery. His research interests include all aspects of the care of the trauma patient, with a particular interest in ventilator-associated pneumonia.



Gregory Jurkovich,
MD, FACS

MASTER SURGEON LECTURE

Gregory Jerome (“Jerry”) Jurkovich, MD, FACS is the Donant Professor of Trauma Surgery and the Vice-Chairman for Clinical Affairs and Quality for the Department of Surgery at UC Davis Health System in Sacramento, California.

Prior to relocating to California, Dr. Jurkovich served as the Director of Surgery and Trauma Services at Denver Health, and was the Rockwell Professor of Surgery at the University of Colorado. That position followed nearly twenty-four years at the University of Washington and Harborview Medical Center in Seattle as a professor and the Chief of Trauma respectively. He began his surgical career as Chief of Trauma at the University of South Alabama.

Dr. Jurkovich is a past president of the AAST, where he is well known for developing the Acute Care Surgery Committee and its fellowship training paradigm, and for being the editor of the textbook ACS Surgery: Principles and Practices. He is the current chair of the National Trauma Institute (NTI) and the co-chair of the Coalition for National Trauma Research (CNTR). He has also been the President of the Western Trauma Association, Vice-Chairman of the ACS Committee on Trauma, and a past director of the American Board of Surgery.

Dr. Jurkovich is a Minnesota native, from the Mesabi Iron range. He received an undergraduate degree in biomedical engineering (cum laude) from Northwestern University and his medical degree from the University of Minnesota. His surgery residency was at the University of Colorado, and he completed his trauma research fellowship at Duke University.

FEATURED SPEAKERS



Timothy C. Fabian,
MD, FACS

FITTS LECTURE

Tim Fabian grew up in Marion, Ohio. He received his undergraduate degree from Loyola University in Chicago and his medical degree from Loyola's Stritch School of Medicine. Following his general surgery residency at Ohio State University, he moved to Atlanta where he completed a trauma fellowship at Grady Memorial Hospital and Emory University. After serving two years on the faculty at Emory, he moved to the University of Tennessee Health Sciences Center in Memphis where he has remained for the rest of his academic career.

Dr. Fabian founded the Presley Trauma Center in 1983, which has become one of the busiest trauma centers in the nation. He served as the chairman of the Department of Surgery at the University at Tennessee – Memphis for sixteen years (1999–2015), and he is a past president of both the Eastern Association for the Surgery of Trauma and the American Association for the Surgery of Trauma. He has conducted clinical and translational research throughout his career, and that work has resulted in approximately 450 peer-reviewed publications and four US patents. Tim Fabian is currently the editor-in-chief of Trauma Surgery and Acute Care Open, a publication of the AAST, and a professor emeritus in the Department of Surgery at the University of Tennessee Health Sciences Center.



J. Wayne Meredith,
MD, FACS

MASTER SURGEON LECTURE

Dr. Meredith is the Richard T. Myers Professor and Chair of the Department of Surgery (formerly General Surgery), Chief of Clinical Chairs and Chief of Surgery at Wake Forest Baptist Health. A graduate of Emory University, Dr. Meredith received his M.D. from Bowman Gray School of Medicine and joined the faculty of Wake Forest University Health Sciences in 1987 and was named Professor and Chairman of General Surgery in 1997 and Director of Surgical Sciences in 2000 to June 2014. Dr. Meredith holds a cross-appointment at the Institute for Regenerative Medicine and a joint appointment as Professor of Pediatrics in the Department of Pediatrics.

Dr. Meredith has served as Director of the American Board of Surgery and the American Board of Thoracic Surgery. He is a past-president of the American Association for the Surgery of Trauma (AAST), the Southern Surgical Association (SSA), the Halsted Society, the Eastern Association for the Surgery of Trauma (EAST), and the Southeastern Surgical Congress (SESC). Dr. Meredith served as the Medical Director of Trauma Programs of the American College of Surgeons (ACS) from 2006 through 2010 and was Chair of the Committee on Trauma from 2002 to 2006. In 2014, Dr. Meredith was recipient of the ACS Distinguished Service Award recognizing his scientific contributions to cardiovascular physiology during resuscitation, trauma registries, and trauma systems, as well as his leadership and dedicated service as a Fellow of the ACS.

HOTEL INFORMATION

All education sessions, posters, and exhibits will be held at the Sheraton Dallas Hotel, the headquarter hotel for this year's Annual Meeting. Please visit www.aast.org for more information regarding the hotel, local activities, and transportation, as well as a link to the Sheraton Dallas Hotel website.

Sheraton Dallas Hotel

400 North Olive Street

Dallas, TX, 75201 USA

Phone: 214-922-8000 / Fax: 214-303-4291

www.marriott.com/hotels/travel/daldh-sheraton-dallas-hotel/

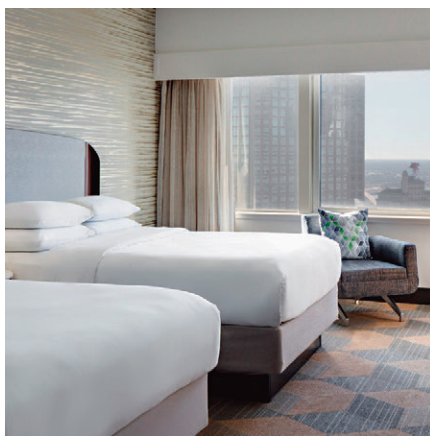
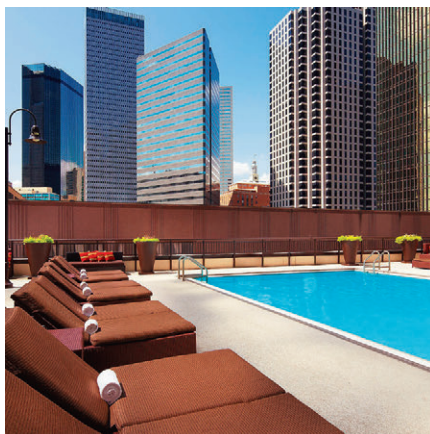
(Do not use this link to book your room, please see link below).

Booking Your Room:

AAST has negotiated a block of rooms at the Sheraton Dallas Hotel for attendees of the 78th Annual Meeting of AAST and Clinical Congress of Acute Care Surgery. The Run-of-House room rate is \$229 per night for a single/double room and \$259 per night for a triple/quad room. The room rates listed above don't include state and local taxes (currently 13% Occupancy + 2% Tourism District Fees) and are subject to change. Maximum occupancy per room is 4 persons.

The AAST group room rates will be honored three days prior to and three days after the Annual Meeting dates of September 18–21, 2019, based on availability. The cut-off date to receive the special AAST rate is Tuesday, August 20, 2019. Reservations received after the cut-off date, or after the room block fills, will be based on space and rate availability.

RESERVATIONS can be made by visiting <https://www.marriott.com/event-reservations/reservation-link.mi?id=1547228674351&key=G> RP&app=resvlink or calling 888-627-8191 and referencing “the American Association for the Surgery of Trauma (AAST) Annual Meeting.”



CANCELLATIONS must be received at least 72 hours prior to arrival in order to avoid a cancellation fee of one night's room and tax.

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

EARLY DEPARTURE FEES are \$75 per room per night. To avoid the fee, please advise the hotel either at or before check-in of any change in your planned length of stay.

Please note that a credit card is required at time of booking to guarantee your reservation. Credit cards will only be charged in the event of a late cancellation or no-show.

The Sheraton Dallas Hotel is 8 miles from Dallas Love Field (LOV) and 18 miles from Dallas/Fort Worth International Airport (DFW), please contact the hotel directly for driving directions.

Parking: Discounted self & valet parking is available: \$15 per car per day for self-parking for overnight and day guests (normally \$23 per day) and \$31 per day for valet parking.

TRAVEL INFORMATION

Air Transportation

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

United Airlines

800-426-1122

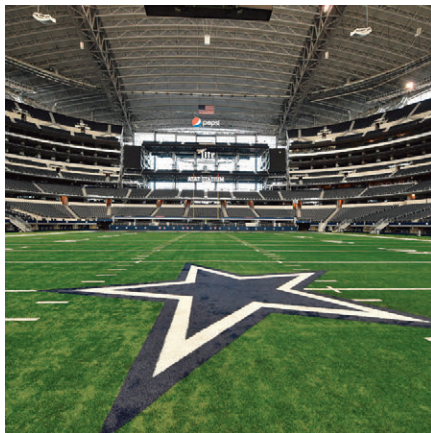
7:00 am–9:00 pm CST; Monday–Friday

8:00 am–5:00 pm CST; Saturday–Sunday

ACS Z Code: ZFV2

Agreement Code: 601946

Purchase your ticket online at united.com and receive a discount off the lowest applicable fares. [When booking online, please enter ZFV2601946 to receive your discount.](#) Area/Zone fares based on geographic location are also available with no Saturday night stay required.



Ground Transportation

Taxicabs from the airport to the Sheraton Dallas Hotel are approximately \$30 USD one-way.

Airport Shuttle

SuperShuttle is designated as the official airport shuttle company for the 2019 AAST Annual Meeting. Special discounts are available on roundtrip reservations that are made/booked online. To receive these special discounts, be sure to utilize the online reservation link below.

SuperShuttle

Discount Code: FACS1

Online Reservations:

<http://bit.ly/2XnflRW>

Car Rental

Avis is designated as the official car rental company for the 2019 AAST Annual Meeting. Special meeting rates and discounts are available on a wide selection of GM and other fine cars. [To receive these special rates, be sure to mention your Avis Worldwide Discount \(AWD\) number when you call.](#)

Avis Reservations

800-331-1600

Online Reservations:

<http://bit.ly/2Yv852R>

AWD Number: B169699

THINGS TO DO

For information about things to do while staying at the Sheraton Dallas Hotel, visit <https://www.visitdallas.com/things-to-do/index.html>.

The Sixth Floor Museum at Dealey Plaza

The Sixth Floor Museum at Dealey Plaza is located in the former Texas School Book Depository where significant evidence of a sniper's presence was found following the assassination of President John F. Kennedy. The museum presents the social and political landscape of the early 1960s, chronicles President Kennedy's assassination and its aftermath, and reflects upon his lasting impact on our country and the world.

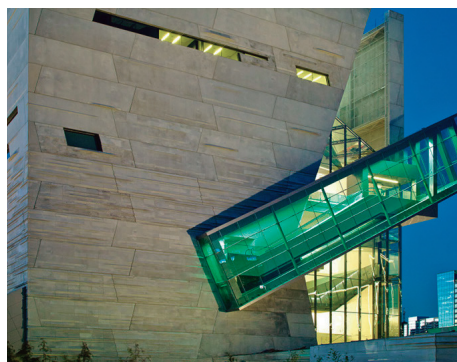
The museum is open seven days a week: from 10 am to 6 pm, Tuesday–Sunday, and from Noon to 6 pm on Mondays. (It is closed on Thanksgiving and Christmas Day). Admission includes an audio guide, which is available in seven languages plus ASL, and the museum offers a youth version (English) too: \$18 for adults; \$16 for seniors (65+); \$14 for youth (6–18); children five and under are free or \$5 if purchase of youth audio guide.

Visit <https://www.jfk.org/> for more information on the Sixth Floor Museum at Dealey Plaza.

Dallas Arboretum and Botanical Garden

Just minutes from downtown on the shore of White Rock Lake, the arboretum features 66 acres with 11 lush display gardens that offer seasonal color all year long. Home of Dallas Blooms Spring, the Southwest's largest outdoor floral festival, the arboretum provides a tranquil oasis where visitors are surrounded by the beauty of all four seasons. Amenities include the Hoffman Family Gift Shop, a dining terrace, and several facilities are available to rent for events.

Overlooking scenic White Rock Lake, the site offers the perfect venue for workshops, lectures, dinners, receptions, weddings, and special events—all set within 66 acres of lush gardens and beautiful vistas. Our



new 5,000 sq.ft. Rosine Hall, the historic DeGolyer Home, and the elegant Camp House offer a variety of options to make each event unique.

Visit <https://www.dallasarboretum.org/> for more information.

Reunion Tower GeO-Deck

Located in the heart of downtown Dallas, the GeO-Deck at Reunion Tower offers visitors the only indoor/outdoor observation deck in the city. Enjoy unique views of Dallas and its surrounding communities from 470 feet in the air! As it is affectionately known by locals, “the Ball” has been a staple of the Dallas skyline since 1978.

Experience 360-degree panoramic views that let you see for miles in all directions, as well as high-definition zoom cameras, telescopes, and interactive exhibits. Discover hidden gems, historic landmarks, museums, and more. The GeO-Deck provides fun and adventure for all ages!

Visit <https://reuniontower.com/> for more information.

Dallas CityPASS

See Dallas's top attractions, handpicked and packaged together at a significant savings. Save 40 percent on Dallas's four best attractions. CityPASS ticket booklets are valid for 9 days.

Cost: Adult \$49 (value \$78.40); Child (3–12) \$33.

For more information and to purchase booklets or printable vouchers, visit <https://www.citypass.com/dallas>.

EXHIBITOR INFORMATION

2019 AAST EXHIBITORS (as of July 1, 2019)

- | | | |
|------------------------------------------|-----------------------------------------|-----------------------------------------------|
| ■ Acell, Inc. | ■ KCI, an Acelity Company | ■ Starsurgical |
| ■ Acute Innovations | ■ KLS Martin | ■ Synapse Biomedical |
| ■ ACS Committee on Trauma | ■ MDocHaus | ■ Trauma Center Association of America (TCAA) |
| ■ Artegraft, Inc. | ■ Med-Care Pharmaceuticals | ■ United Regional Health Care System |
| ■ AtriCure, Inc. | ■ Mermaid Medical, Inc. | ■ Wolters Kluwer |
| ■ Avanos | ■ Ossur | ■ Z-Medica |
| ■ DePuy Synthes | ■ Pediatric Trauma Society | ■ Zimmer Biomet |
| ■ Designs for Vision, Inc. | ■ PolyNovo | |
| ■ Envision Physician Services | ■ Portola Pharmaceuticals | |
| ■ Haemonetics | ■ Prytime Medical Devices, Inc. | ■ 2019 SILVER SPONSOR |
| ■ Instrumentation Laboratory (IL) | ■ ShotSpotter | ■ 2019 BRONZE SPONSOR |
| ■ Journal of Trauma & Acute Care Surgery | ■ Solutions for Trauma and Surgery, LLC | |

EXHIBITOR HOURS

- | | | |
|-------------------|-------------------|-------------------|
| ■ Wednesday | ■ Thursday | ■ Friday |
| 5:00 pm – 7:30 pm | 7:00 am – 3:00 pm | 7:00 am – 2:00 pm |



LUNCH SESSIONS

LUNCH SESSION

THURSDAY, SEPTEMBER 19

THE MEANING OF REJECTION (AND REVISION): USEFUL SUGGESTIONS AND GUIDANCE FOR REVIEWERS AND AUTHORS

Sponsored by the *Journal of Trauma and Acute Care Surgery*

Speakers: Earnest Moore, MD;
Angela Sauaia, MD, PhD

Moderator: Steven Shackford, MD

The session will provide information on the importance of peer review and why it is done. The participants will learn the major differences between a minor revision and a major revision, and what differentiates those categories from marginal and reject. The panelists will describe how to respond to each type of editorial decision. Examples will be provided.

STRUCTURING A FISCALLY-VIABLE ACS SERVICE

Sponsored by the *Economics Committee*

Speakers: Andrew Bernard, MD;
Kimberly A. Davis, MD,
MBA; Joseph Minei, MD,
MBA

Moderator: Kristan Staudenmayer,
MD, MSc

This panel session is aimed at Acute Care Surgeons who practice in academic medical centers, particularly those in leadership positions. The goal will be to help leaders and providers understand how to best position their Acute Care Surgery service within the broader department of surgery at their institutions. This session will complement the high-level discussion on the direction and future of ACS; the Economics Committee will hold this second discussion as a panel session. Specific topics to be addressed include:



- How to determine the right size of the workforce needed to address the tripartite mission of ACS while assuring provider wellness. Will include a discussion about the use of advanced practice providers to accomplish this goal.
- How to position the section in a department that uses an RVU-driven model for determining the flow of internal funds, and how to position the team and service given the increased cognitive (evaluation and management) component inherent in both trauma and critical care delivery, and the changes to CMS requirements for critical care services. This will include discussions about safety nets, responses to failure to rescue, etc.
- How to make a service financially viable—including methods to assure both departmental and institutional funding streams—recognizing that to support an ACS service, at least 30 percent of the budget must come from external sources.

EXPERTS ON THE HOT SEAT: TOP 10 TOPICS IN CRITICAL CARE

Sponsored by the *Critical Care Committee*

Speakers: Rachael Callcut, MD;
Samuel Tisherman, MD;
Matthew Lissauer, MD;
Lena Napolitano, MD, MPH

Moderators: Deborah Stein, MD,
MPH;
Karen Brasel, MD, MPH

This session will focus on ten of the hottest topics in critical care. The moderators will pose rapid-fire, controversial case-based questions to a panel of critical care experts with a variety of experience who will be asked to answer based on their practice and best evidence. Topics may change slightly if new or controversial topics emerge prior to the time of the Annual Meeting.

LUNCH SESSIONS

TEN PRINCIPLES OF REOPERATIVE SURGERY

Sponsored by the Acute Care Surgery Committee

Speakers: David Feliciano, MD;
Chad Ball, MD, MSc

Moderator: Clay Burlew, MD

Reoperative surgery can be a nightmare and is often the bane of any surgeon. With over 60 years of combined operative experience, there are some pearls and pitfalls that can be gleaned from the stories and testimonials of two senior surgeons. These are the anecdotes and thoughts that should guide you as you approach the abdomen for repeat laparotomy—whether it is the 1st reoperative surgery or the 10th reoperation.

ACUTE CARE SURGERY: ENSURING THE SUCCESS OF THE NEXT GENERATION

Sponsored by the Acute Care Surgery Committee

Speakers: Grace Rozycki, MD, MBA;
Oliver Gunter, MD;
Eileen Bulger, MD

Moderators: Nicole Stassen, MD;
Jamie Coleman, MD

Over a decade ago the specialty of trauma surgery was in crisis, which led to the evolution of trauma surgery into the more encompassing specialty of Acute Care Surgery. This session is designed to educate the attendee about the mission of our organizations in regard to the future of Acute Care Surgery. The importance of early and continued mentoring to ensure that we continue to attract the best and the brightest to our specialty will be discussed. Lastly, the session will explore how to ensure the fiscal and academic success of acute care surgeons within their practice groups/departments.



MISSION ZERO: HOW MILITARY-CIVILIAN PARTNERSHIPS ENHANCE MASS TRAUMA RESPONSES

Sponsored by the Disaster and Military Committees

Speakers: COL David Blake, USAF, MD, MPH;
COL Brandon Snook, USAF, MD;
Deborah Kuhls, MD;
Joseph Galante, MD

Moderator: COL David Blake, USAF, MD, MPH;
Joseph Galante, MD;
Jay Doucet, MD, MPH

The NASEM report “A National Trauma Care System: Integrating Military and Civilian Trauma Systems to Achieve Zero Preventable Deaths After Injury” proposes a joint military-civilian national trauma system to improve trauma care and disaster preparedness. Several civilian trauma centers that have already established military health partnerships have proven to be of crucial benefit during recent mass casualty events (e.g., 2017 Washington train derailment, 2017 Las Vegas Shooting, 2017 Sutherland Springs, TX, church shooting). We have asked military and civilian trauma leaders from these joint efforts to describe how their partnership enhanced their disaster preparedness and mass casualty care. Lessons learned by all trauma centers and providers and future directions will be discussed.

SUNRISE SESSIONS

SUNRISE SESSION FRIDAY, SEPTEMBER 20

VIDEO SESSION: EMERGENCY GENERAL SURGERY TIPS AND TRICKS

Sponsored by the Acute Care Surgery
Committee/SAGES

Speakers: Brent Matthews, MD;
Stan Rogers, MD

Moderator: Robert Lim, MD;
Stephanie Savage, MD

This video session will focus on tips and tricks for safe maneuvers during the use of minimally invasive surgery (MIS) in emergency general surgery cases. Our invited speakers and moderators from SAGES will share their expertise, including times when MIS may not be the best option.

SUPPORTING DIVERSITY AND INCLUSION IN ACADEMIC ACUTE CARE SURGERY

Sponsored by the Patient Outcomes
Committee

Speakers: Michaela West, MD, PhD;
Laura Moore, MD;
Brian Williams, MD;
L.D. Britt, MD, MPH

Moderator: Marie Crandall, MD, MPH

As acute care surgery and the world become more diverse, it is essential that academic surgeons understand issues of diversity and inclusion in the workplace. People of color, women, and LGBTQ individuals may face microaggressions, unintentional or intentional bias, and outright discrimination. Many organizations, including AAST, have been proactive about codes of conduct and other resources. This panel will discuss personal experiences, evidence-based strategies to support diversity and inclusion, and resources/toolkits for institutions and individuals.



DO MILITARY INNOVATIONS WORK AND CAN THEY BE STUDIED IN THE CIVILIAN WORLD

Speakers: Donald Jenkins, MD;
Jonathan Morrison, MD;
David King, MD;
Joseph DuBose, MD;
Charles Fox, MD;

Moderator: Todd Rasmussen, MD

Data on the causes of death from the recent wars has compelled military research to develop new approaches to vascular injury, hemorrhage control, and resuscitation. New Public Law and federal policy have made the FDA accommodating to potentially lifesaving products developed for battlefield use. As new methods and products emerge from the military R&D program, they are unproven and often controversial in civilian trauma practices. However, the DoD needs collaboration with civilian centers to study, improve, and integrate new approaches that may improve wartime injury survival and recovery. This session will present several new approaches and technologies supported by the DoD trauma research program, and pose the question "do military innovations work and can they be studied in the civilian world?". The session will also lead discussion on how civilian centers can collaborate with the DoD in a manner that is open to new innovation, but does not disrupt practice or put patients at risk.

* Session agenda can be found online.

SUNRISE SESSIONS

BEYOND YOGA AND MINDFULNESS: SUSTAINING SURGEON WELL-BEING FOR YOU AND YOUR TEAM

Sponsored by the Communications Committee

Speakers: Roxie Albrecht, MD;
Robert Winfield, MD;
Ben Zarzaur, MD, MPH;
Andrew Bernard, MD

Moderator: Jennifer Hartwell, MD

Trauma and Acute Care surgeons face unique circumstances that place them at the highest risk for burnout and suicide as compared to other medical specialties. Recently, there has been an increased awareness of factors that contribute to physician burnout, including excessive administrative burdens, changes in workplace structure, and personal emotional fatigue.

This panel will present up-to-date literature on surgeon well-being, discuss warning signs of burnout, address personal and professional wellness, and offer ideas on how to support a colleague experiencing burnout. Additionally, the panel will discuss best practices and successful models for leading a team to optimal well-being.

USING EVIDENCE AND NEW TECHNOLOGY TO REDUCE IMAGING IN BLUNT ABDOMINAL TRAUMA

Sponsored by the Pediatric Committee

Speakers: Christian Streck, MD;
David Mooney, MD, MPH

Moderator: Errington Thompson, MD

This important session will review the most up-to-date evidence on the safe evaluation of the abdomen in pediatric blunt abdominal patients. The discussion will include the review of two large multi-center studies that have developed algorithms to safely identify children that do not require an abdominal CT scan. There will also be a review of the cutting-edge technology of contrast-enhanced ultrasound and how this may help to safely



reduce the need for imaging in the future. The session will be moderated by an adult trauma surgeon who will challenge the pediatric surgeons (the speakers) regarding the challenges in evaluating the pediatric abdomen and the resistance to limiting CT scans.

GERIATRIC TRAUMA: NOW THE GOOD NEWS

Sponsored by the Geriatric Trauma, Acute Care Surgery, and Critical Care Committees

Speakers: Karen Brasel, MD, MPH;
Alicia Mangram, MD;
Rosemary Kozar, MD, PhD

Moderator: Deborah Stein, MD, MPH

According to the US Census Bureau, the estimated population of individuals older than 65 years of age was 35 million in 2006, and it is expected that the older population will double to 70 million by 2030. This group is anticipated grow to more than 86 million, or one in five persons, by 2050. Currently, older adults have fewer disabilities and more active lifestyles than those of previous generations, which increases their risk of injury. At least one study from 1990 estimated that 40 percent of all trauma patients will be 65 or older by 2050. That number is likely to be higher, as some major trauma centers are already exceeding that figure. Trauma in the elderly accounts for \$12 billion in annual medical expenditures and \$25 billion in total annual healthcare expenditures. It is well known that injured geriatric patients do worse than younger patients. Elderly trauma patients face an increased risk for adverse outcomes after injury. Therefore, it is essential that clinicians treating older injured patients are able to identify techniques and management strategies demonstrated to improve outcomes. There are evidenced-based strategies for improving outcomes in the injured geriatric patient and this session will focus on how best to achieve optimal outcomes.

PRESESSIONS

PRESESSIONS

WEDNESDAY, SEPTEMBER 18

HOW TO MAINTAIN THE COMBAT TRAUMA READINESS OF FORWARD-DEPLOYED CAREGIVERS: RESIDENCY, FELLOWSHIPS, PARTNERSHIPS, AND MORE

Sponsored by the Military Committee

7:00 AM breakfast with a
7:30 AM start time

Moderator: Matthew Tadlock, MD and
Joseph DuBose, MD

Part 1 — GME/Fellowships — Panel Discussion

- The Role of ACS Fellowship in Readiness —
Brian Eastridge, MD
- Should the Military Have GME? —
Anne Rizzo, MD
- Critical Care Fellowship Should Be
Mandatory — David Zonies, MD, MPH
- Military-Civilian Integration: The UC Davis
Experience — Joseph Galante, MD

Open discussion

Part 2 — Partnerships — 7/7-minute Pro/Con Debates

- Moonlighting for Combat Trauma
Readiness —
Pro: Matthew Tadlock, MD vs.
Con: Jennifer Gurney, MD
- Teams or Individual Training —
Pro: Ronald Gross, MD vs.
Con: R. Stephen Smith, MD
- One-size MCP Fits All Needs —
Pro: Margaret Knudson, MD vs.
Con: Jay Johannigman, MD

Open discussion

Part 3 — Everything Else

- What Does “Readiness” Mean? —
Peter Rhee, MD, MPH
- Will This Debate Ever End? What Success
Looks Like! — Stacy Shackelford, MD
- Mil-Civ Partnerships: Opportunities and
Challenges, The Civilian Perspective —
Ronald Stewart, MD
- What About the Reserve Component? —
Jeremy Cannon, MD

Open discussion



ENDOSCOPIC MANAGEMENT OF GI BLEEDING FOR THE ACUTE CARE SURGEON

Sponsored by the Acute Care Surgery
Committee/SAGES

7:00 AM breakfast with a
7:30 AM start time

Speakers: Michael Ujiki, MD;
Jeffrey Marks, MD;
Eleanor Fung, MD;
Allison Schulman, MD,
MPH;
Sara Hennessy, MD;

Moderator: Eric Pauli, MD

The goal of this modular endoscopy course is to provide a didactic overview of available treatment modalities for the management of gastrointestinal hemorrhage (including indications, contraindications, and necessary equipment). The lecture component is heavily video based and will emphasize pathology recognition and correct application of endoscopic techniques. Subsequently, participants will have hands-on application of these modalities in explant models. The target audience is the acute care and general surgeon with limited access to gastroenterology services, and on whom falls the management of GI bleeding which might otherwise require surgical intervention, a delay in endoscopic care, or transfer of the patient to another facility. Course participants should already perform basic endoscopy in their practice (e.g., colonoscopy with polypectomy, upper endoscopy with PEG, and the like) and be familiar with basic endoscope function and navigation. The course will highlight application of these therapies in patients with bleeding from pathological sources (such as peptic ulcer disease) as well as those with bleeding following a procedural intervention (such as post-polypectomy bleeding or anastomotic bleeding).

PRESESSIONS

Didactic materials from the course (including videos) as well as equipment lists from the lab will be made available to the course participants so they have access to these materials at a later date and can easily collect the names of the tools/devices they need to incorporate the skills learned into their practice.

Course Overview

1 hour 40 minutes of didactics, 2 hours hands-on lab time (10 stations, 3 participants per station)

CONTINUOUS CERTIFICATION: AAST ACUTE CARE SURGERY COURSE: STATE OF THE ART PATIENT CARE IN 2019 — SPONSORED BY THE EDUCATION COMMITTEE

Sponsored by the Education Committee

7:00 AM breakfast with a
7:30 AM start time

Format: All presentations will be case-based, using an example case to discuss the key evaluation and management decisions, and will incorporate current best evidence or available guidelines/algorithms. Each session will have three speakers and a moderator, and all will be seated on stage. During each talk, one speaker will present the key decision points of the case to the expert panel (the other two speakers and the moderator) to stimulate discussion and debate. The audience may also participate with questions/opinions. The final 45 minutes will be a moderated expert panel discussion of challenging cases or the panel will answer questions from the audience and the moderator.

Trauma Session

Moderator: Matthew Martin, MD

D is for Disability: Severe TBI Management and Guidelines Update —
Deborah Stein, MD, MPH

Stopping the Bleed: Vascular Trauma –
Pearls and Pitfalls — Kenji Inaba, MD

A Shot in the Dark: Penetrating Abdominal
Trauma Management —
Jamie Coleman, MD

Break

Critical Care Session

Moderator: Deborah Stein, MD, MPH

Take a Deep Breath: Severe Respiratory
Failure Management — Ali Salim, MD

How to Survive the Sepsis Guidelines:
Modern Sepsis Diagnosis and Management
— Alison Wilson, MD

ICU Pain Management in the Opioid
Crisis Era — Thomas Carver, MD

Break

EGS

Moderator: Marc de Moya, MD

Stones and Groans: Gallbladder Management
— Matthew Martin, MD

The Battle of the Bulge: Managing Emergent
Hernia Cases Like a Pro
— Andrea Pakula, MD, MPH

Severe Pancreatitis: When You HAVE TO
Mess with the Pancreas — Carlos Brown, MD

Stump the Experts Case Panel

Moderator: Elizabeth Benjamin, MD, PhD

A Night on ACS Call:
Challenging Cases for the Panel

Panel: Marc de Moya, MD; Hasan Alam, MD;
Alison Wilson, MD; Carlos Brown, MD; and
Jamie Coleman, MD

DIFFICULT CONVERSATIONS: COMMUNICATION SKILLS FOR PALLIATIVE CARE IN ACUTE CARE SURGERY

Sponsored by the Palliative Care Committee

7:00 AM breakfast with a
7:30 AM start time

Overview: What is Palliative Care
Communication in Acute
Care Surgery? — David
Zonies, MD, MPH

Communication and Goal Setting

Domains: — Zara Cooper, MD, MSc

- Elements of a conversation
- Shared understanding
- Overall health goals
- Goals specific to acute care surgery
- Describing treatment options
- Fears and worries
- Recommendations

**Sharing Prognosis and Conceptual
Models of Communication** — Anne
Mosenthal, MD

- What makes this difficult?
- Establishing prognosis
- Sharing prognosis
- Integrating prognosis into goals of care

**Managing Uncertainty in
Decision-making: Best Case and Worst
Case Scenarios**

— Karen Brasel, MD, MPH

Break

Asking the Tough Questions

— David Zonies, MD, MPH

- Eliciting goals and values
- Managing emotion
- Simulation with actor

Skills and Drills

- Scenario with standardized patient/family
— Katie O'Connell, MD
- Role-play in small groups — All faculty

Debrief and Q and A

OVERVIEW AND POLICIES

PROGRAM

Presentations/Panels

This year, 66 oral presentations will be offered over four days. Each presentation will be twenty minutes in length: ten minutes will be allotted for the presentation, two to three minutes for the discussant, and seven to eight minutes for questions from the audience.

Quick Shots

On Saturday, September 21, from 9:00 am to 12:00 pm, 26 Quick Shots will be presented. Each presenter will have three minutes to speak and can use up to five slides (not including title and disclosure slides) to give a brief background of their topic. Then, a discussant will have one minute to ask two questions, and the presenter is given two minutes to respond.

Scientific Posters

A total of 140 scientific posters will be available for viewing in two poster sessions. The first session of 70 posters will be held on Wednesday, September 18, at 5:30 pm. The second session of 70 posters will be held on Friday, September 20, at 1:00 pm. Poster categories and professors will be listed in the final program book, which will be available for download and purchase.

Industry Exhibits

At this year's meeting, AAST will host an array of industry-leading companies. These exhibitors are available to discuss their latest products and services, and exchange information with attendees. Please see page 11 for exhibit hall hours and a list of participating companies to date.



NETWORKING & SPECIAL BREAKFASTS

Breakfast with the Exhibitors

Thursday, September 19 to
Saturday, September 21,
from 7:00 to 8:30 am

AAST will host breakfast in the exhibit hall on Thursday, Friday, and Saturday morning. This breakfast is open to all registered attendees and guests.

Resident, Medical Student, and In-Training Fellows Breakfast

Thursday, September 19,
from 6:15 to 7:25 am

AAST holds a special breakfast at each Annual Meeting for all attendees who are residents, medical students, or in-training fellows. President-Elect David Spain, MD, will give a short presentation. This is also an opportunity for residents, students, and in-training fellows to network with each other.

This breakfast requires preregistration and is a ticketed event. If you plan to attend, please check the box located next to this event on your registration form (online or paper). There is no cost to attend this breakfast.

International Attendee Breakfast

Thursday, September 19,
from 6:15 to 7:25 am

AAST invites all international attendees to a special breakfast to learn more about the AAST, listen to an international panel, have the opportunity to network with other international attendees, and to meet the International Relations Committee. A representative from the European Society of Trauma and Emergency Surgery (ESTES) will give a brief talk. The breakfast requires preregistration and is a ticketed event. If you plan to attend, please check the box located next to this event on your registration form (online or paper). There is no cost to attend this breakfast.

OVERVIEW AND POLICIES

NETWORKING & SPECIAL BREAKFASTS (CONTINUED)

New Members Breakfast

Saturday, September 21,
from 7:00 to 8:00 am

This special breakfast is for new members who have joined AAST within the last two years. AAST encourages all new members who are at the meeting to attend. This is a chance to meet the new AAST President, as well as other members of the AAST Board of Managers. This breakfast requires preregistration and is a ticketed event. If you plan to attend, please check the box located next to this event on your registration form (online or paper). There is no cost to attend this breakfast.

POLICIES

Cancellation Policy

Requests for refunds must be made in writing, and received on or before Friday, August 23, 2019. There is a \$100 processing fee for all refunds and returned checks. Cancellations and registrations postmarked after August 23, 2019, 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

Tickets

All tickets are nontransferable. This includes the lunch/breakfast sessions, the special breakfasts, and the banquet.



POLICIES (CONTINUED)

Press

The program has been made available to local science editors. The decision to be interviewed will be the prerogative and responsibility of the presenters. Press will be admitted into the meeting once they have read and agreed to the AAST press policy. An embargo policy is available and will be sent to all press registrants.

Children

Please note that children under the age of 16 are not permitted to attend AAST scientific events. Attendees who register as "Guests" are permitted to bring children to the daily continental breakfasts, and children are allowed to attend the AAST Banquet if they have a ticket.

Security

Badges **MUST** be worn to gain entry into the exhibit hall, the educational sessions, and all other events. We appreciate your cooperation with this security measure.

Special Assistance

If, due to a disability, you will require any special accommodations while in attendance at this meeting, or have any special restrictions, please let us know by contacting Kathy Madryk, Senior Meeting Planner, at (312) 202-5293 or kmadryk@facs.org.

AAST Dress Code

The dress code for the meeting is Business Attire. The AAST Banquet on Friday evening is Business or Black-Tie Optional.

SCHEDULE AT A GLANCE

MONDAY, SEPTEMBER 16

7:30 AM - 4:00 PM	EGS Course (additional fee)
4:00 - 6:00 PM	EGS Reception

TUESDAY, SEPTEMBER 17

7:30 AM - 4:00 PM	EGS Course (additional fee)
7:30 AM - 4:00 PM	AAST BOARD OF MANAGERS MEETING
2:00 - 6:30 PM	Registration

WEDNESDAY, SEPTEMBER 18

6:30 AM - 5:30 PM	Registration
7:00 - 11:30 AM	Presession: How to maintain the combat trauma readiness of forward deployed caregivers: Residency, fellowships, partnerships, and more
7:00 - 11:30 AM	Presession: Difficult Conversations: Communication Skills for Palliative Care in Acute Care Surgery
7:00 - 11:45 AM	Presession: Continuous Certification: AAST Acute Care Surgery Course: State of the Art Patient Care in 2019
7:00 - 11:30 AM	Presession: Endoscopic Management of GI Bleeding for the Acute Care Surgeon
8:00 - 11:30 AM	Annual Meeting of TPC Organizational Representatives
11:00 AM - 12:00 PM	COMMITTEE MEETINGS I
	Disaster Committee
	Patient Assessment Committee
	Journals Oversight Committee
	Research and Education Fund Committee
	Geriatric/ACS Trauma Committee
	HealthCare Economics Committee
	Multi-Institutional Trails Committee
	Communications Committee
	Pediatric Trauma Surgery Committee
12:30 - 1:00 PM	Welcome
1:00-3:40 PM	SESSION I: PLENARY PAPERS I-8
	Moderator: Martin Croce, MD Recorder: Patrick Reilly, MD
	PAPER 1: 1:00 PM <i>PREHOSPITAL PLASMA IN INJURED PATIENTS IS ASSOCIATED WITH SURVIVAL PRINCIPALLY IN BLUNT INJURY: RESULTS FROM TWO RANDOMIZED PREHOSPITAL PLASMA TRIALS</i>
	Presenter: Katherine Reitz, MD Discussant: Donald Jenkins, MD
	PAPER 2: 1:20 PM <i>SELF-EXPANDING FOAM VS. PRE-PERITONEAL PACKING FOR EXSANGUINATING PELVIC HEMORRHAGE</i>
	Presenter: David King, MD Discussant: John Harvin, MD
	PAPER 3: 1:40 PM <i>SURVIVAL BENEFIT FOR PELVIC TRAUMA PATIENTS UNDERGOING RESUSCITATIVE ENDOVASCULAR BALLOON OCCLUSION OF THE AORTA: RESULTS OF AAST, AORTIC OCCLUSION FOR RESUSCITATION IN TRAUMA AND ACUTE CARE SURGERY (AORTA) REGISTRY</i>
	Presenter: John Bini, MD Discussant: James Haan, MD

SCHEDULE AT A GLANCE

PAPER 4: 2:00 PM *LONG-TERM OUTCOMES AFTER VIOLENCE-RELATED TRAUMA: A MULTI-CENTER COHORT STUDY*

Presenter: Manuel Castillo-Angeles, MD, MPH **Discussant:** Amy Goldberg, MD

PAPER 5: 2:20 PM *PLASMA RESUSCITATION WITH ADJUNCTIVE PERITONEAL RESUSCITATION REDUCES ISCHEMIC INTESTINAL INJURY FOLLOWING HEMORRHAGIC SHOCK*

Presenter: Jason Smith, MD, PhD, MBA **Discussant:** Stephen Cohn, MD

PAPER 6: 2:40 PM *RADIOGRAPHIC PREDICTORS OF THERAPEUTIC OPERATIVE INTERVENTION AFTER BLUNT ABDOMINAL TRAUMA: THE RAPTOR SCORE*

Presenter: Dina Filiberto, MD **Discussant:** Lillian Kao, MD, MS

PAPER 7: 3:00 PM *DISPROPORTIONALLY LOW NIH FUNDING FOR TRAUMA RESEARCH: THE CALL FOR A NATIONAL INSTITUTE OF TRAUMA*

Presenter: Nina Glass, MD **Discussant:** William Cioffi, MD

PAPER 8: 3:20 PM *DELAYED SPLENECTOMY IN PEDIATRIC SPLENIC INJURIES: IS CONSERVATIVE MANAGEMENT OVERUSED?*

Presenter: Naid Haddadin, MD **Discussant:** Margaret Knudson, MD

3:40 - 4:10 PM

SESSION II: MASTER SURGEON - OPERATIVE THORACIC TRAUMA: TIPS, TRICKS AND AN OCCASIONAL ANECDOTE

Presenter: J. Wayne Meredith, MD

4:10 - 5:25 PM

SESSION III: PANEL: FINANCING TRAUMA CARE: INTERNATIONAL PERSPECTIVES

Exhibits open

5:30 - 7:30 PM

5:30 - 6:30 PM

SESSION IV: POSTERS SESSION (70 POSTERS) AND EXHIBIT HALL OPENING

SESSION I: *THORACIC TRAUMA:* Frederick Pieracci, MD, MPH; Andrew Doben, MD

SESSION II: *ABDOMINAL TRAUMA:* TBD; Susan Rowell, MD

SESSION III: *TRAUMA/EDUCATION PREVENTION:* Marc deMoya, MD; D'Andrea Joseph, MD

SESSION IV: *PEDIATRIC TRAUMA/NEUROTRAUMA:* Kathryn Bass, MD; Michael Nance, MD

SESSION V: *GERIATRIC TRAUMA:* Vanessa Ho, MD, MPH; Orlando Kirton, MD, MBA

SESSION VI: *TRAUMA SYSTEMS:* Thomas Esposito, MD, MPH; Julie Dunn, MD

SESSION VII: *TRAUMA SYSTEMS II:* Nicholas Namias, MD, MBA; Louis Magnotti, MD

6:30 - 7:30 PM

Welcome Reception

7:30 - 9:30 PM

JOT EDITORIAL MEETING/BUFFET DINNER (Invitation only)

THURSDAY, SEPTEMBER 19

7:00 - 8:30 AM

Breakfast in Exhibit Hall

7:00 AM - 3:00 PM

Exhibits

7:00 AM - 4:00 PM

Registration

SCHEDULE AT A GLANCE

6:15 - 7:30 AM

COMMITTEE MEETINGS II

Prevention Committee

Military Committee

Acute Care Surgery Committee

International Relations Committee

Reimbursement/Coding Committee

Critical Care Committee

Palliative Care Committee

Education Committee

6:15 - 7:30 AM

Resident/Student/In-Training Fellow Breakfast

Presenter: David Spain, MD, President-Elect

6:15 - 7:30 AM

International Attendee Breakfast: Haemorrhage Control in Pelvic Ring Injuries

Sponsored by the International Relations Committee

7:30 - 9:30 AM

SESSION V: CANIZARO PAPERS 9-14

Moderator: David Livingston, MD

Recorder: Rachel Callcut, MD

PAPER 9: 7:30 AM *EXTRACORPOREAL SUPPORT FOR TRAUMA: A TRAUMA QUALITY IMPROVEMENT PROJECT (TQIP) ANALYSIS IN PATIENTS WITH ARDS*

Presenter: Aaron Strumwasser, MD **Discussant:** David Zonies, MD, MPH

PAPER 10: 7:50 AM *UNDERSTANDING THE MAKEUP OF A GROWING FIELD: A COMMITTEE ON TRAUMA SURVEY OF THE NATIONAL NETWORK OF HOSPITAL-BASED VIOLENCE INTERVENTION PROGRAMS*

Presenter: Stephanie Bonne, MD **Discussant:** Glen Tinkoff, MD

PAPER 11: 8:10 AM *RANDOM FOREST MODEL PREDICTS ACUTE KIDNEY INJURY AFTER TRAUMA LAPAROTOMY*

Presenter: Rondi Gelbard, MD **Discussant:** Jordan Weinberg, MD

PAPER 12: 8:30 AM *ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS) AFTER TRAUMA: STILL HIGHLY MORBID AND MORTAL*

Presenter: George Kasotakis, MD, MPH **Discussant:** Pauline Park, MD

PAPER 13: 8:50 AM *A GLIMPSE INTO THE STATE OF GENDER TRENDS IN THE TRAUMA COMMUNITY: CURRENT APPRAISAL AND OPPORTUNITIES*

Presenter: Shannon Foster, MD **Discussant:** Roxie Albrecht, MD

PAPER 14: 9:10 AM *WHO RETURNS HOME AFTER ADMISSION FOR FALL? PATIENT FACTORS RELATED TO RESIDENCY ONE YEAR LATER*

Presenter: Vanessa Ho, MD, MPH **Discussant:** Stephanie Savage, MD

9:30 - 10:00 AM

SESSION VI: SCHOLARSHIP PRESENTATIONS

Moderator: Martin Croce, MD

10:00 - 10:20 AM

Break in Exhibit Hall

10:20 - 11:20 AM

SESSION VII: PAPERS 15-17

Moderator: Raminder Nirula, MD, MPH

Recorder: Brian Eastridge, MD

PAPER 15: 10:20 AM *THE IMPACT OF INTERHOSPITAL TRANSFER ON MORTALITY BENCHMARKING AT LEVEL III AND IV TRAUMA CENTERS: A STEP TOWARDS SHARED MORTALITY ATTRIBUTION IN A STATEWIDE SYSTEM*

Presenter: Daniel Holena, MD **Discussant:** Peter Fischer, MD, MSc

SCHEDULE AT A GLANCE

11:30 AM - 12:30 PM

12:30 - 1:45 PM

PAPER 16: 10:40 AM *IS NBATS-2 UP TO THE TASK? ACTUAL VS PREDICTED PATIENT VOLUME SHIFTS WITH THE ADDITION OF ANOTHER TRAUMA CENTER*

Presenter: Jennings Dooley, BS **Discussant:** Robert Winchell, MD

PAPER 17: 11:00 AM *OUTCOMES IN ISOLATED TBI: THERE'S MORE TO IT THAN 'RIGHT PLACE, FIRST TIME'*

Presenter: Henry Nnajiuba, MD, MSc, BSc **Discussant:** Deborah Stein, MD, MPH

SESSION VIII: PRESIDENTIAL ADDRESS: MARTIN CROCE, MD

LUNCH SESSIONS 1-6

"THE MEANING OF REJECTION (AND REVISION): USEFUL SUGGESTIONS AND GUIDANCE FOR REVIEWERS AND AUTHORS" SPONSORED BY THE JOURNAL OF TRAUMA AND ACUTE CARE SURGERY

"STRUCTURING A FISCALLY VIABLE ACS SERVICE" SPONSORED BY THE ECONOMICS COMMITTEE

"EXPERTS ON THE HOT SEAT: TOP 10 TOPICS IN CRITICAL CARE" SPONSORED BY THE CRITICAL CARE COMMITTEE

"10 PRINCIPLES OF REOPERATIVE SURGERY" SPONSORED BY THE ACUTE CARE SURGERY COMMITTEE

"ACUTE CARE SURGERY: ENSURING THE SUCCESS OF THE NEXT GENERATION" SPONSORED BY THE ACUTE CARE SURGERY COMMITTEE

"MISSION ZERO: HOW MILITARY-CIVIL PARTNERSHIPS ENHANCE MASS TRAUMA RESPONSES" SPONSORED BY THE DISASTER AND MILITARY COMMITTEES

Break in Exhibit Hall

1:45 - 2:00 PM

2:00 - 5:00 PM

SESSION IXA: PAPERS 18-26

Moderator: Rosemary Kozar, MD

Recorder: Fred Luchette, MD, MSc

PAPER 18: 2:00 PM *EPIDEMIOLOGICAL TRENDS OF SURGICAL CRITICAL CARE ADMISSIONS IN THE UNITED STATES*

Presenter: Victor Vakayil, MBBS, MS **Discussant:** Christopher Michetti, MD

PAPER 19: 2:20 PM *RIB FRACTURE TRIAGE PATHWAY DECREASES ICU UTILIZATION, PULMONARY COMPLICATIONS, AND HOSPITAL LENGTH OF STAY*

Presenter: C. Caleb Butts, MD **Discussant:** Carlos Brown, MD

PAPER 20: 2:40 PM *DOES INTENSIVIST MANAGEMENT OF BRAIN DEAD ORGAN DONORS RESULT IN INCREASED ORGAN YIELD?*

Presenter: Sahaja Atluri **Discussant:** Ali Salim, MD

PAPER 21: 3:00 PM *QUANTIFYING BACTERIAL DNA LEVELS IN ICU PATIENTS SUSPECTED OF BACTERIAL SEPSIS USING WHOLE GENOME SEQUENCING OF PLASMA DNA*

Presenter: Mehreen Kisat, MD, MS **Discussant:** Jon Simmons, MD

PAPER 22: 3:20 PM *LONG TERM OUTCOMES IN OLDER TRAUMA PATIENTS ADMITTED TO THE ICU: A PROSPECTIVE STUDY*

Presenter: Jessica Burgess, MD **Discussant:** Karen Brasel, MD, MPH

PAPER 23: 3:40 PM *BETA-BLOCKER THERAPY IN ISOLATED SEVERE TRAUMATIC BRAIN INJURY: A PROSPECTIVE RANDOMIZED CLINICAL TRIAL*

Presenter: Shahin Mohseni, MD, PhD **Discussant:** Eric Ley, MD

PAPER 24: 4:00 PM *DIAPHRAGM PACING IMPROVES RESPIRATORY MECHANICS IN ACUTE CERVICAL SPINAL CORD INJURY*

Presenter: Andrew Kerwin, MD **Discussant:** Daniel Grabo, MD

PAPER 25: 4:20 PM *MITIGATING ISCHEMIA REPERFUSION INJURY USING A NEW GENERATION PH REBOA: CONTROLLED HYPOTENSION TO LOWER BODY*

Presenter: Corina Necsoiu, MD **Discussant:** Matthew Martin, MD

SCHEDULE AT A GLANCE

2:00 - 5:00 PM

PAPER 26: 4:40 PM *PLASMIN-MODIFIED THROMBOELASTOGRAPHY RAPIDLY IDENTIFIES PATIENTS AT RISK OF HYPERFIBRINOLYSIS, MORTALITY, AND NEED FOR TXA: A DIAGNOSTIC TOOL TO RESOLVE AN INTERNATIONAL DEBATE?*

Presenter: Christopher Barrett, MD **Discussant:** Bryan Cotton, MD

SESSION IXB: PAPERS: 27-35

Moderator: Daniel Marguiles, MD

Recorder: Gail Tominaga, MD

PAPER 27: 2:00 PM *WHERE IS THE EVIDENCE? THE IMPACT OF STATE LAWS ON MOTOR VEHICLE FATALITY RATES, 1999-2015*

Presenter: David Notrica, MD **Discussant:** Heena Santry, MD

PAPER 28: 2:20 PM *DOES SIMULATION WORK? MONTHLY TRAUMA SIMULATION AND PROCEDURAL TRAINING IS ASSOCIATED WITH DECREASED TIME TO INTERVENTION.*

Presenter: Caroline Park, MD, MPH **Discussant:** Mark Bowyer, MD

PAPER 29: 2:40 PM *USING ARTIFICIAL INTELLIGENCE TO IMPROVE RELIABILITY OF THE FOCUSED ASSESSMENT WITH SONOGRAPHY FOR TRAUMA (FAST): A PILOT STUDY OF FAST-AI.*

Presenter: Rachael Callcut, MD, MSPH **Discussant:** Matthew Bloom, MD

PAPER 30: 3:00 PM *TURNING VALUE INTO ACTION: THE IMPORTANCE OF PUBLIC NARRATIVE AMONG HEALTHCARE PROVIDERS USING DIVERSE MEDIA TO ENACT CHANGE*

Presenter: Marissa Boeck, MD, MPH **Discussant:** Nicole Stassen, MD

PAPER 31: 3:20 PM *EXPORTED CRIME GUNS, TRAFFICKING, AND STATE ANTI-TRAFFICKING LAWS*

Presenter: Erin Andrade, MD, MPH **Discussant:** Deborah Kuhls, MD

PAPER 32: 3:40 PM *COMPARISON OF SURGICAL CRICOTHYROIDOTOMY TRAINING: A RANDOMIZED TRIAL OF A LIVE PIG MODEL VS. AN ADVANCED SIMULATION MANIKIN*

Presenter: Vinciya Pandian, PhD, MBA, RN, BS, MSN **Discussant:** Kenji Inaba, MD

PAPER 33: 4:00 PM *ELECTRIC SCOOTERS: IMPACT ON A COMMUNITY*

Presenter: Matthew Bloom, MD **Discussant:** Nancy Parks, MD

PAPER 34: 4:20 PM *DO ADOLESCENT PATIENTS WITH PENETRATING TRAUMA HAVE BETTER OUTCOMES AT PEDIATRIC TRAUMA CENTERS VERSUS ADULT TRAUMA CENTERS?*

Presenter: Frederick Rogers, MD, MS **Discussant:** Kathryn Bass, MD

PAPER 35: 4:40 PM *PEDIATRIC EXTREMITY VASCULAR TRAUMA: HOW AND WHERE IS IT TREATED?*

Presenter: James Prieto, MD **Discussant:** Ben Zarzaur, Jr, MD, MPH

6:30 - 9:30 PM

President's Dinner

FRIDAY, SEPTEMBER 20

6:15 - 7:30 AM

BREAKFAST SESSIONS I-6

"VIDEO SESSION: EMERGENCY GENERAL SURGERY TIPS AND TRICKS" SPONSORED BY THE ACUTE CARE SURGERY COMMITTEE/SAGES

"BEYOND YOGA AND MINDFULNESS: SUSTAINING SURGEON WELL BEING FOR YOU AND YOUR TEAM" SPONSORED BY THE COMMUNICATIONS COMMITTEE

"DO MILITARY INNOVATIONS WORK AND CAN THEY BE STUDIED IN THE CIVILIAN WORLD" SPONSORED BY THE MILITARY COMMITTEE

"SUPPORTING DIVERSITY AND INCLUSION IN ACADEMIC ACUTE CARE SURGERY" SPONSORED BY THE PATIENT OUTCOMES COMMITTEE

"GERIATRIC TRAUMA - NOW THE GOOD NEWS" SPONSORED BY THE GERIATRIC TRAUMA, ACUTE CARE SURGERY, AND CRITICAL CARE COMMITTEES

"USING EVIDENCE AND NEW TECHNOLOGY TO REDUCE IMAGING IN BLUNT ABDOMINAL TRAUMA" SPONSORED BY THE PEDIATRIC COMMITTEE

SCHEDULE AT A GLANCE

7:00 - 8:30 AM

7:00 AM - 2:00 PM

7:00 AM - 3:00 PM

7:30 - 8:00 AM

8:00 - 11:00 AM

Breakfast in Exhibit Hall

Exhibits

Registration

SESSION X: MASTER SURGEON - PANCREATIC TRAUMA

Presenter: Gregory Jurkovich, MD

SESSION XI: PAPERS 36-44

Moderator: Alicia Mohr, MD

Recorder: John Fildes, MD

PAPER 36: 8:00 AM *BARRIERS TO IMPROVING HEALTHCARE VALUE IN EMERGENCY GENERAL SURGERY: A NATIONWIDE ANALYSIS*

Presenter: kamil Hanna, MD **Discussant:** Kristan Staudenmayer, MD, MSc

PAPER 37: 8:20 AM *BENCHMARKING THE VALUE OF CARE: VARIABILITY IN HOSPITAL COSTS FOR COMMON OPERATIONS AND ITS ASSOCIATION WITH PROCEDURE VOLUME*

Presenter: Cheryl Zogg, MSPH, MHS **Discussant:** Jason Smith, MD, MBA

PAPER 38: 8:40 AM *MANAGEMENT OF CHOLEDOCHOLITHIASIS IN THE ELDERLY: IS ERCP ALONE REALLY A SAFE ALTERNATIVE?*

Presenter: Allison Berndtson, MD **Discussant:** Oscar Guillaumondegui, MD, MPH

PAPER 39: 9:00 AM *ENVISIONING THE PARADIGM: THE BURDEN AND OUTCOMES OF EMERGENCY GENERAL SURGERY (EGS) IN AN INTEGRATED REGIONAL HEALTH SYSTEM*

Presenter: Samuel Ross, MD, MPH **Discussant:** Angela Ingraham, MD

PAPER 40: 9:20 AM *ACUTE CARE SURGERY MODEL LEADS TO SHORTER LENGTH OF STAY IN MILD GALLSTONE PANCREATITIS*

Presenter: Samuel Carmichael, MD **Discussant:** Kimberly A. Davis, MD, MBA

PAPER 41: 9:40 AM *THE EFFECT OF EMS TRANSPORT TIME ON IN-TRANSIT CLINICAL DECLINE IN A RURAL STATE*

Presenter: Taylor Kai, BS **Discussant:** Jan Jansen, MBBS

PAPER 42: 10:00 AM *GOT CALCIUM? ADMISSION IONIZED-CALCIUM IN TWO CIVILIAN RANDOMIZED CLINICAL TRIALS OF PRE-HOSPITAL PLASMA*

Presenter: Hunter Moore, MD, PhD **Discussant:** Jeremy Cannon, MD

PAPER 43: 10:20 AM *EFFECT OF PLASMA TRANSFUSION RATIO TO RED BLOOD CELLS BETWEEN GERIATRIC AND NON-GERIATRIC MASSIVELY TRANSFUSED TRAUMA PATIENTS: ELDERLY PATIENTS BENEFIT LESS!*

Presenter: Mitsuaki Kojima, MD, PhD **Discussant:** Jason Sperry, MD, MPH

PAPER 44: 10:40 AM *LONG-TERM FUNCTIONAL OUTCOMES AFTER TRAUMATIC POPLITEAL ARTERY INJURY: A 20-YEAR EXPERIENCE*

Presenter: Louis Magnotti, MD, MS **Discussant:** Michael Sise, MD

11:00 AM - 12:00 PM

SESSION XII: FITTS LECTURE -

A SEUSSIAN TALE OF A TRAUMA TIME TRAVELER

Presenter: Timothy Fabian, MD

12:00 - 1:00 PM

SESSION XIII: SESSION POSTER SESSION II (69 POSTERS)

SESSION VIII: SHOCK/TRANSFUSIONS I: Christine Gaarder, MD, PhD; Joseph Rappold, MD

SESSION IX: SHOCK/TRANSFUSIONS II: Todd Rasmussen, MD; Carlos Mesquita, MD

SESSION X: SHOCK/TRANSFUSIONS III: Grant Bochicchio, MD, MPH; Morgan McMonagle, MD, MB, BCh, BAO

SESSION XI: CRITICAL CARE: Anuradha Subramanian, MD; Ronald Simon, MD

SCHEDULE AT A GLANCE

1:00 - 1:45 PM

1:00 - 1:45 PM

2:00 - 5:00 PM

SESSION XII: EMERGENCY GENERAL SURGERY: Martin Zielinski, MD; Christopher Dente, MD

SESSION XIII: EMERGENCY GENERAL SURGERY/OUTCOMES: Addison May, MD, MBA; Linda Maerz, MD

SESSION XIII: OUTCOMES/GUIDELINES: Michel Aboutanos, MD; Amy McDonald, MD

Lunch provided with Exhibitors (AAST provides lunch)

ACS PROGRAM DIRECTORS SOCIETY COMMITTEE MEETING

SESSION XIVA: PAPERS 45-53

Moderator: Eileen Bulger, MD

Recorder: Addison May, MD, MBA

PAPER 45: 2:00 PM NATURAL LANGUAGE PROCESSING OF PREHOSPITAL EMS TRAUMA RECORDS ALLOWS FOR AUTOMATED CHARACTERIZATION OF TREATMENT APPROPRIATENESS

Presenter: Christopher Tignanelli, MD **Discussant:** Mark Gestring, MD

PAPER 46: 2:20 PM HOSPITAL RESOURCES DO NOT PREDICT ACCURACY OF SECONDARY TRAUMA TRIAGE: A POPULATION-BASED ANALYSIS

Presenter: Bourke Tillmann, MD **Discussant:** Brian Eastridge, MD

PAPER 47: 2:40 PM THE IMPACT OF MEDICAID EXPANSION ON TRAUMA-RELATED EMERGENCY DEPARTMENT UTILIZATION: A NATIONAL EVALUATION OF POLICY IMPLICATIONS

Presenter: Lisa Knowlton, MD, MPH, FRCSC **Discussant:** Joseph Minei, MD, MBA

PAPER 48: 3:00 PM LIFTING THE BURDEN: STATE MEDICAID EXPANSION REDUCES FINANCIAL RISK FOR THE INJURED

Presenter: John Scott, MD, MPH **Discussant:** Jay Doucet, MD, MSc

PAPER 49: 3:20 PM READMISSION AFTER NON-OPERATIVE TRAUMA: INCREASED MORTALITY AND COSTS WITH DELAYED INTERVENTION

Presenter: Marta McCrum, MD, MPH **Discussant:** David Spain, MD

PAPER 50: 3:40 PM ATTRIBUTABLE RISK OF READMISSION AFTER TRAUMA

Presenter: Erin Hall, MD, MPH **Discussant:** Saman Arbabi, MD, MPH

PAPER 51: 4:00 PM IMPLEMENTATION OF A HOSPITALIST COMANAGEMENT PROGRAM MAY HELP IMPROVE OUTCOMES BUT NOT NECESSARILY COSTS.

Presenter: Patricia Ayoung-Chee, MD, MPH **Discussant:** Zara Cooper, MD, MSc

PAPER 52: 4:20 PM MORE CALL DOES NOT MEAN MORE BURNOUT: A MULTICENTER ANALYSIS OF TRAUMA SURGEON ACTIVITY WITH FATIGUE AND BURNOUT RISK

Presenter: Timothy Wolff, DO **Discussant:** Jamie Coleman, MD

PAPER 53: 4:40 PM COMPARISON OF AAST GRADING SCALE TO MODIFIED HINCHEY CLASSIFICATION IN ACUTE COLONIC DIVERTICULITIS: A PILOT STUDY

Presenter: Joseph Ebersole, BS **Discussant:** Marie Crandall, MD, MPH

2:00 - 5:00 PM

SESSION XIVB: PAPERS 54-63

Moderator: Cristopher Josten, MD

Recorder: Sharon Henry, MD

PAPER 54: 2:00 PM EARLY TREATMENT WITH MESENCHYMAL STEM CELL-DERIVED EXOSOMES PROVIDES NEUROPROTECTION AND IMPROVES BLOOD-BRAIN BARRIER INTEGRITY IN A SWINE MODEL OF TRAUMATIC BRAIN INJURY AND HEMORRHAGIC SHOCK

Presenter: Aaron Williams, MD **Discussant:** Carrie Sims, MD

PAPER 55: 2:20 PM THE GUT MICROBIOME (GM) IS PREDICTIVE OF CLINICAL OUTCOMES FOLLOWING TRAUMATIC INJURY

Presenter: Susannah Nicholson, MD, MS **Discussant:** Jeffrey Claridge, MD, MSc

SCHEDULE AT A GLANCE

PAPER 56: 2:40 PM *P-SELECTIN ANTIBODY TREATMENT AFTER BLUNT THORACIC TRAUMA PREVENTS PULMONARY ARTERIAL THROMBOSIS WITHOUT SYSTEMIC COAGULATION CONSEQUENCES*

Presenter: Linda Schutzman, MD **Discussant:** Amy Makley, MD

PAPER 57: 3:00 PM *A GENOMICS JOURNEY TO IMPROVED UNDERSTANDING OF POST-INJURY PLATELET BIOLOGY: PLATELET RNA SIGNATURES IN TRAUMATIC BRAIN INJURY*

Presenter: Lucy Kornblith, MD **Discussant:** Martin Schreiber, MD

PAPER 58: 3:20 PM *THE AAST PROSPECTIVE, OBSERVATIONAL, MULTICENTER STUDY INVESTIGATING THE INITIAL EXPERIENCE WITH REVERSAL OF NOVEL ORAL ANTICOAGULANTS IN TRAUMA PATIENTS*

Presenter: Brent Emigh, MD **Discussant:** Sandro Rizoli, MD

PAPER 59: 3:40 PM *GERIATRIC TBI: WHAT WE KNOW NOW*

Presenter: Mira Ghneim, MD **Discussant:** Mayur Patel, MD, MPH

PAPER 60: 4:00 PM *THE AMERICAN ASSOCIATION FOR THE SURGERY OF TRAUMA (AAST) RENAL INJURY GRADING SCALE: IMPLICATIONS OF THE 2018 REVISIONS FOR INJURY RECLASSIFICATION AND PREDICTING BLEEDING INTERVENTIONS*

Presenter: Sorena Keihani, MD **Discussant:** Fernando Kim, MD

PAPER 61: 4:20 PM *EXTRA-PERITONEAL PACKING IN UNSTABLE BLUNT PELVIC TRAUMA, A PROPENSITY SCORE ANALYSIS*

Presenter: Simone Frassini **Discussant:** Joergen Joakim Joergensen, MD

PAPER 62: 4:40 PM *IMPLEMENTATION OF A MULTIDISCIPLINARY PERINATAL EMERGENCY RESPONSE TEAM (PERT) IMPROVES TIME TO DEFINITIVE OBSTETRICAL EVALUATION AND FETAL ASSESSMENT IN PREGNANT TRAUMA PATIENTS*

Presenter: Amanda Sosulski, MD **Discussant:** Tanya Zakrisson, MD, MPH

PAPER 63: 5:00 PM *OPIOID RISK TOOL CAN IDENTIFY PATIENTS WITH INCREASED INPATIENT OPIOID USE AFTER A TRAUMATIC INJURY*

Presenter: Husayn Ladhani, MD **Discussant:** Andrew Bernard, MD

AAST ANNUAL BUSINESS MEETINGS

Reception

Banquet

5:20 - 6:35 PM

7:30 - 8:00 PM

8:00 - 10:00 PM

SATURDAY, SEPTEMBER 16

7:00 - 8:00 AM

7:30 - 10:00 AM

7:30 - 9:00 AM

8:00 - 9:00 AM

New Fellows Breakfast

Registration (If needed)

Breakfast

SESSION XV: PAPERS 64-66

Moderator: Ronald Stewart, MD **Recorder:** Krista Kaups, MD, MSc, MS

PAPER 64: 8:00 AM *EFFECT OF ORAL ANTICOAGULANTS ON OUTCOMES FOLLOWING SEVERE TRAUMATIC BRAIN INJURY IN THE ELDERLY*

Presenter: Jason Hecht, PharmD **Discussant:** Rosemary Kozar, MD, PhD

PAPER 65: 8:20 AM *TIMING AND TYPE OF VTE CHEMOPROPHYLAXIS IS ASSOCIATED WITH ACUTE TRAUMATIC BRAIN INJURY OUTCOMES*

Presenter: Darwin Ang, MD, PhD, MPH **Discussant:** Elliott Haut, MD, PhD

PAPER 66: 8:40 AM *REPEAT CT HEAD SCAN IS NOT INDICATED IN TRAUMA PATIENTS TAKING NOVEL ANTICOAGULATION: A MULTI-INSTITUTIONAL STUDY*

Presenter: Caitlin Cohan, MD **Discussant:** Bellal Joseph, MD

Break

9:00 - 9:10 AM

SCHEDULE AT A GLANCE

9:10-10:28 AM

SESSION XVI: QUICKSHOT SESSION I I-13

Moderator: A. Britton Christmas, MD

QS1: 9:10 AM MODIFIED ABBREVIATED BURN SEVERITY INDEX AS A PREDICTOR OF IN-HOSPITAL MORTALITY IN PATIENTS WITH INHALATION INJURY: DEVELOPMENT AND VALIDATION USING INDEPENDENT COHORTS

Presenter: Ryo Yamamoto, MD **Discussant:** Glen Franklin, MD

QS2: 9:16 AM A THREE-YEAR RETROSPECTIVE MULTI-CENTER STUDY ON TIME TO SURGERY AND MORTALITY FOR ISOLATED GERIATRIC HIP FRACTURES

Presenter: Allen Tanner, MD **Discussant:** Vanessa Ho, MD, MPH

QS3: 9:22 AM OPIOID PRESCRIBING IN UNITED STATES TRAUMA CENTERS: A MULTI-CENTER, PROSPECTIVE, OBSERVATIONAL STUDY

Presenter: John Harvin, MD, MS **Discussant:** Greta Piper, MD

QS4: 9:28 AM HOW SOON IS TOO SOON: OPTIMAL TIMING OF SPLIT-THICKNESS SKIN GRAFT FOLLOWING POLYGLACTIN 910 MESH CLOSURE OF THE OPEN ABDOMEN

Presenter: Richard Lewis Jr, MD **Discussant:** Richard Miller, MD

QS5: 9:34 AM SEVERITY OF HEMORRHAGE AND THE SURVIVAL BENEFIT ASSOCIATED WITH PLASMA: RESULTS FROM A RANDOMIZED PREHOSPITAL PLASMA TRIAL

Presenter: Vincent Anto, BS **Discussant:** Jennifer Gurney, MD

QS6: 9:40 AM RIGHT INTO THE DANGER ZONE: COMPLICATIONS OF RESUSCITATIVE ENDOVASCULAR BALLOON OCCLUSION OF THE AORTA (REBOA) AT ZONE 1 AND 3 FROM THE AAST AORTIC OCCLUSION FOR RESUSCITATION IN TRAUMA AND ACUTE CARE SURGERY (AORTA) TRIAL

Presenter: Megan Brenner, MD, MS **Discussant:** Marc DeMoya, MD

QS7: 9:46 AM THROMBOELASTOGRAPHY (TEG) VS. CONVENTIONAL CLOTTING TEST: WHICH TEST ACCURATELY PREDICTS INCREASED BLEEDING RISK IN A RABBIT HEMORRHAGIC SHOCK MODEL

Presenter: Bijan Kheirabadi, PhD **Discussant:** Mitchell Cohen, MD

QS8: 9:52 AM SMALL BOWEL OBSTRUCTION MANAGED WITHOUT HOSPITAL ADMISSION: A SAFE WAY TO REDUCE TIME IN THE HOSPITAL?

Presenter: Joy Hughes, MD **Discussant:** Andre Campbell, MD

QS9: 9:58 AM IMPACT OF DELTA SYSTOLIC BLOOD PRESSURE AFTER REBOA PLACEMENT IN NON-COMPRESSIBLE TORSO HEMORRHAGE PATIENTS: AN ABOTRAUMA REGISTRY AND AORTA DATABASE ANALYSIS

Presenter: Juan Duchesne, MD **Discussant:** Terence O'Keeffe, MD

QS10: 10:04 AM EVALUATION OF AGE-ADJUSTED SYSTOLIC BLOOD PRESSURE AND SHOCK INDEX FOR PEDIATRIC TRAUMA TEAM ACTIVATION

Presenter: Elissa Butler, MD **Discussant:** Barbara Gaines, MD

QS11: 10:10 AM OPTIMISING PREHOSPITAL TRIAGE IN AN INCLUSIVE URBAN MAJOR TRAUMA SYSTEM

Presenter: Henry Nnajiuba, MD, MSc, BSc **Discussant:** Mark Seamon, MD

QS12: 10:16 AM PERFORMANCE-BASED ASSESSMENT OF TRAUMA SYSTEMS: ESTIMATES FOR THE STATE OF OHIO

Presenter: Priti Parikh, PhD **Discussant:** David Ciesla, MD

QS13: 10:22 AM MASS CASUALTY PREPARATION: INJURY PATTERNS AND RESOURCE UTILIZATION OF SURVIVORS AND DECEDENTS

Presenter: Chadwick Smith, MD **Discussant:** David Shatz, MD

10:28 - 10:38 AM

Break

SCHEDULE AT A GLANCE

10:38 - 11:56 AM

SESSION XVII: QUICKSHOT SESSION II 14-26

Moderator: David Shatz, MD

QS14: 10:38 AM *EARLY HYPERMETABOLISM IS UNCOMMON IN TRAUMA ICU PATIENTS*

Presenter: Saskya Byerly, MD, MS **Discussant:** Panna Codner, MD

QS15: 10:44 AM *THE "DEATH DIAMOND" - A BLACK HOLE FOR RESUSCITATION*

Presenter: Michael Farrell, MD, BS, MS **Discussant:** Peter Hammer, MD

QS16: 10:50 AM *OUT-OF-POCKET SPENDING BY TRAUMA PATIENTS FOLLOWING IMPLEMENTATION OF THE AFFORDABLE CARE ACT*

Presenter: Charles Liu, MD **Discussant:** Nathan Mowery, MD

QS17: 10:56 AM *SIX IS THE NEW FIVE: MINOR CHANGE IN INITIAL PEEP SETTING DECREASES RATES OF VENTILATOR ASSOCIATED EVENTS IN MECHANICALLY VENTILATED TRAUMA PATIENTS*

Presenter: Ethan Ferrel, MD **Discussant:** Rachael Calcutt, MD

QS18: 11:02 AM *IDENTIFYING OBJECTIVE MEASURES FOR TRAUMA CENTER ACCESS ASSESSMENT USING GIS-BASED TECHNOLOGY*

Presenter: Suzan Dijkink, MD **Discussant:** Frederick Rogers, MD

QS19: 11:08 AM *THE ROLE OF CRYOPRECIPITATE IN MASSIVELY TRANSFUSED PATIENTS: RESULTS FROM THE TQIP DATABASE MAY CHANGE YOUR MIND*

Presenter: Michael Dittilo, DO **Discussant:** John Holcomb, MD

QS20: 11:14 AM *SAFETY AND FEASIBILITY OF ERECTOR SPINAE PLANE BLOCKS IN PATIENTS WITH CHEST WALL TRAUMA ON HIGH DOSE ENOXAPARIN*

Presenter: Linda Dultz, MD, MPH **Discussant:** Ronald Gross, MD

QS21: 11:20 AM *TIME TO TRACHEOSTOMY IMPACTS OVERALL OUTCOMES IN PATIENTS WITH CERVICAL SPINAL CORD INJURY (CSCI)*

Presenter: Tanya Anand, MD **Discussant:** Murray Cohen, MD

QS22: 11:26 AM *AAST GRADING SCALE FOR ACUTE MESENTERIC ISCHEMIA ACCURATELY PREDICTS MORBIDITY AND MORTALITY: A VALIDATING RETROSPECTIVE COHORT STUDY*

Presenter: Jake Forman, DO **Discussant:** Shahid Shafi, MD, MPH, MBA

QS23: 11:32 AM *OBESITY AND IMPAIRED VASCULAR BARRIER FUNCTION AFTER SHOCK: A BIOMETIC IN VITRO MODEL USING MICROFLUIDICS*

Presenter: Lawrence Diebel, MD **Discussant:** Susan Evans, MD

QS24: 11:38 AM *REGIONALIZATION OF EMERGENCY GENERAL SURGERY OPERATIONS: A SIMULATION STUDY*

Presenter: Robert Becher, MD, MS **Discussant:** Nancy Parks, MD

QS25: 11:44 AM *COMMON SENSE CAN REDUCE AFRICAN AMERICAN HOMICIDE RATES: THE EFFECT OF UNIVERSAL BACKGROUND CHECKS*

Presenter: Elinore Kaufman, MD, MS **Discussant:** Tracey Dechert, MD

QS26: 11:50 AM *COMPARISON OF A TRAUMA COMORBIDITY INDEX WITH OTHER MEASURES OF COMORBIDITIES TO PREDICT MORTALITY FOLLOWING TRAUMA*

Presenter: Peter Jenkins, MD **Discussant:** Alan Guo, MD, PhD

Meeting Adjourned

12:00 PM

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

REGISTRATION INFORMATION

Registration for the 78th 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/AnnualMeeting/Registration.aspx.

REGISTRATION HOURS

Tuesday, September 17: 2:00 – 6:00 pm
 Wednesday, September 18: 6:30 am – 5:00 pm
 Thursday, September 19: 7:00 am – 4:00 pm
 Friday, September 20: 7:00 am – 3:00 pm
 Saturday, September 21: If needed

** Registration hours are subject to change

REGISTRATION RATES

Full Meeting Registration – includes continental breakfasts Thursday-Saturday, Wednesday Welcome Reception and Friday box lunch
 Wednesday presessions, Thursday Lunch sessions, Friday breakfast sessions and the AAST Banquet on Friday night are an additional fee.
 The two-day Emergency Surgery Course is Monday and Tuesday and is 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 12:30 pm on Wednesday, September 18.

Please note: New this year, if attending the banquet, you must select banquet and pay a \$50 fee.

CATEGORY	EARLY BIRD On or before 8/19	LATE FEE 8/20–9/17	ONSITE FEE
AAST Member	\$575	\$635	\$685
Associate Member Candidate ^	\$300	\$300	\$300
Active Military**	\$450	\$495	\$535
Nonmember	\$645	\$695	\$735
Nurse/Paramedical	\$510	\$560	\$610
Other (Medical personnel [non-MD] not listed)	\$510	\$560	\$610
In-Training Fellow*	\$355	\$355	\$355
Resident*	\$355	\$355	\$355
Student*	\$175	\$175	\$175
Guest ⁺	\$200	\$200	\$200

REGISTRATION INFORMATION

DAILY MEETING REGISTRATION

Includes continental breakfast if attending Thursday-Friday, Wednesday Welcome Reception if attending Wednesday and Friday box lunch is attending on Friday. All lunch or breakfast sessions are an additional fee.

CATEGORY	WEDNESDAY	THURSDAY	FRIDAY	FRIDAY W/ BANQUET	SATURDAY
Nurse/Paramedical	\$175	\$175	\$175	\$225	\$25
Other (Medical personnel [non-MD] not listed)	\$175	\$175	\$175	\$225	\$25
In-Training Fellow*	\$115	\$115	\$125	\$175	\$25
Resident*	\$115	\$115	\$95	\$120	\$15
Student*	\$65	\$65	\$45	\$90	Free

OPTIONAL SESSIONS, LUNCH SESSIONS, AND TICKETED EVENTS

OPTIONAL SESSIONS/EVENTS/OTHER	FEE
Emergency Surgery 2-Day Course (Monday/Tuesday)	\$455/\$500
Pre-Session Course	\$70
Thursday Lunch Sessions	\$70
Friday Breakfast Sessions	\$70
Friday Banquet (except guest registration)	\$50
Friday Banquet (Student/Resident)	\$25
Guest Registration (includes Friday Banquet)	\$200
AAST Annual Meeting Program Book	\$25
Wednesday Welcome Receptions	INCLUDED
Friday Box Lunch	INCLUDED
International Attendee Breakfast (Ticketed Event)	FREE
Student, Resident, In-Training Fellow Breakfast (Ticketed Event)	FREE
New Member Breakfast (Ticketed Event)	FREE

^ Must have applied for membership with AAST as an Associate Member in 2019

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

** Requires letter verifying active duty status. Online registration is available.

+ Friday banquet is included with Guest registration

Live Auction

Golf with the Four Amigos

Donated by The Four Amigos

On Thursday September 17, 2020, after the AAST sessions ends during the 79th Annual Meeting of AAST in Waikoloa, HI join four past AAST presidents and prominent trauma surgeons! Experience Martin A. Croce, J. Wayne Meredith, Gregory "Jerry" Jurkovitch, and William Cioffi like never before.

Enjoy a round of golf at the Championship Golf and Beach Course with some of our funniest and wisest members that will be sure to show you a good time. The package includes: a round of golf, golf cart, lunch at the Mai Grille, and split your side laughter!

Annapolis Experience

Donated by Dr. David V. Feliciano and Dr. Grace S. Rozycki

Tour the Chesapeake Bay with your personal tour guide, Dr. Feliciano on his 21 ft, 250 horsepower Grady-White yacht! While aboard, join both Dr. Feliciano and Dr. Rozycki for a afternoon picnic followed by a private dinner prepared by a chef in their home.

Included are two tickets to the US Naval Academy Museum in Annapolis, a \$500 gift certificate for Southwest Airlines, a glass art piece made in Annapolis, and an optional tour of R Adams Cowley Shock Trauma Center by Dr. Feliciano and/or tour of John Hopkins University by Dr. Rozycki

Waterski Weekend

Donated by Dr. Joseph M. Galante

You will travel to Sacramento and spend the weekend water skiing on a private water ski specific lake. You will be accompanied by the 2018 world champion three event skier, who will help you improve your technique over the two days of skiing. After skiing the Galante's will provide dinner overlooking the lake.

Guests may choose to stay in a nearby hotel or join us in a private bedroom with bath at the lake house. The house has a 25 yard pool and spa along with many other activities including paddle board and kayaks. Equipment for water skiing will be provided.

Sanity Maintenance Estate

Donated by Dr. Stephen Barnes

Welcome to the sanity maintenance estate, a surgeon owned and operated outdoor retreat in north central Missouri! Rich with wildlife, peaceful surroundings, and multiple ways to enjoy the outdoors.

Stay with Stephen Barnes for a 2 night & 3 day experience including fishing, shooting, and a relaxing campfire experience. All hunting gear, licenses and ammunition provided (may bring your own if desired). Food and rustic lodging provided. Airport Transfers included. Flights/air travel are not included.

Sailing on the Pacific Ocean

Donated by Dr. Michael J. Sise and Mrs. Beth Sise

Enjoy a two night stay in the home of Beth and Mike Sise overlooking the San Diego Bay. Experience the San Diego Bay Friday afternoon to evening and all day Saturday on Ceilidh (Kaylee 3) a Catalina 42 leaving from the San Diego Yacht Club. Dr. Sise will handle ALL of the cooking, showcasing his world famous off-shore cruise skills!

You are only responsible for your air travel and Dr. Sise will provide the rest! No prior sailing experience needed. Please bring boat shoes or other soft soled shoes and casual clothing.

Silent Auction

20+ items including some of the "hottest" electronics: an Apple Watch, a Playstation Pro, Apple TV, a Roomba, and unique items donated by AAST members and partners including...

- A handmaid quilt by Dr. Eileen Bulger
- JTACS & TSACO publication opportunities
- Landscape photography by Dr. Ronald Stewart
- UCSF Trauma Center Tour

At the 78th Annual Meeting in Dallas, Texas, AAST will offer numerous AAST experiences during the meeting. Don't hesitate to bid! Between a live and silent auction, there will be over thirty items available.

By participating, not only will you receive an irreplaceable experience, but you will also be supporting the specialty. All proceeds will be split between AAST's 3 On-Going Funds (20forTwenty, General Fund, 25th Anniversary of the Research and Education Fund).

For more information, please visit:
www.aast.org/aast-auction



Experience AAST