

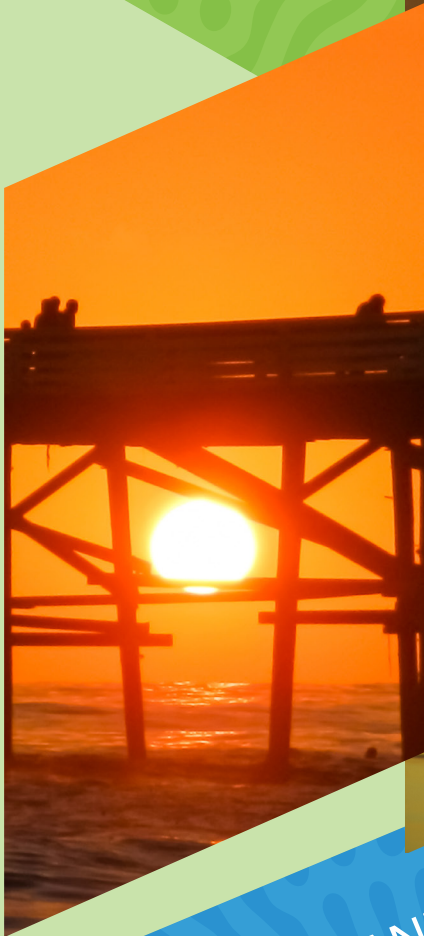


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MANCHESTER GRAND HYATT
SEPTEMBER 26-29

SAN DIEGO 2018



THE 77th ANNUAL MEETING OF THE
AMERICAN ASSOCIATION FOR
THE SURGERY OF TRAUMA &
CLINICAL CONGRESS OF
ACUTE CARE SURGERY and
THE 4th WORLD
TRAUMA CONGRESS

Preliminary Program



President's Message

Michael F. Rotondo, MD
AAST President

Members, Guests, and International Visitors:

I want to extend to you a warm welcome to the 77th Meeting of the American Association for the Surgery of Trauma (AAST) and the 4th World Trauma Congress (WTC). This promises to be a historical gathering of colleagues from across the globe exchanging important scientific information while celebrating our profession and the specialty that we all share. As our world has seemingly become a smaller place, we find ourselves with the unique opportunity to learn from each other while exploring our similarities and differences, to the benefit of ourselves and the patients we serve. I can think of no better forum than this in which to advance our field.

The production of a scientific meeting of this magnitude can only happen after long hours of thought, logistics, preparation, and planning. We owe a tremendous debt of gratitude to the planning committees of both the AAST and the World Coalition for Trauma Care (WCTC) who, independently, and then together, assembled the scientific content and the educational offerings for this meeting. You will find the science to be top notch, the teaching to be of the highest order, and the invited lecturers to be of great interest and value. I also want to extend my thanks to the AAST and the WCTC staff — without you, a meeting such as this simply could not happen. Many thanks to all of you as well! While we are grateful for the work of the program committees and the staff, it's you, our members and guests who submitted abstracts and volunteered to conduct special sessions, to whom we owe special thanks. The substrate that fuels an academic meeting is always provided by its members who offer their best work to be shared in such a forum. This year is no different, and we salute and thank you for your outstanding efforts!

The opportunity to serve as your president has been a tremendous honor and the thrill of a professional lifetime. The theme I used over the course of my term was: "Execute on the Vision." I chose this mantra to maintain clear organizational focus on those strategic and tactical initiatives that are critical to advancing the field of Acute Care Surgery. It's fitting that the richness of the content of this long-awaited, combined scientific meeting moves us yet another step closer to our goal. Thank you again for your support. I look forward to seeing you in the scientific sessions and at the numerous social events. Enjoy!

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Program Chairman's Message

Patrick Reilly, MD
Program Chairman



We have put the finishing touches on the program for the 77th Annual Meeting of the AAST and Clinical Congress of Acute Surgery and the 4th World Trauma Congress in San Diego, September 26–29, 2018. A few highlights:

- 5 Pre-meeting Sessions on the afternoon of Tuesday, September 25th
- 68 Oral Papers starting Wednesday, September 26th at 8:00AM
- 26 Quick Shots Presentations
- 140 AAST Electronic Poster Presentations in 14 concurrent sessions
- 20 WTC Electronic Poster Presentations in 2 concurrent sessions
- 12 Lunch Sessions
- Panel Session on Healthcare Economics
- Fitts Oration: C. William Schwab, MD
- Two Master Surgeon Lectures: Ian Civil, MD, and Tina Gaarder, MD, PhD
- Presidential Address: Michael F. Rotondo, MD

The program itself will cover a broad range of Acute Care Surgery topics, with more than 50 US and a healthy number of international institutions represented. In keeping with Dr. Coimbra's strategic plan and 2017 presidential address, Emergency General Surgery presessions; oral, poster, and Quick Shot presentations; and lunch sessions will be highlighted.

The social program will also be exceptional. This year we will have a reception on Thursday evening onboard the USS Midway and, of course, the annual banquet on Friday evening. Make your plans early. I look forward to seeing you in sunny San Diego in September.





World Coalition for Trauma Care Chairman's Message

Raul Coimbra, MD, PhD

WCTC Executive Director and President of the
4th World Trauma Congress

It is an honor and privilege to have the AAST and the World Coalition for Trauma Care (WCTC) partner to sponsor the 4th World Trauma Congress (WTC) in conjunction with the 77th Annual Meeting of the AAST and Clinical Congress of Acute Care Surgery.

San Diego in September will be the home of the two meetings, which will have fantastic scientific and educational programs. As customary for the WTC, surgeons, nurses, and other health care professionals will gather to present, discuss, and learn important aspects of trauma care and systems development during the meeting. More than 50 countries will be represented in the meeting: a terrific opportunity to connect, and develop relationships and collaborations with professionals from different countries. A very exciting social program is also planned. The highlight will be a cocktail party on the deck of the famous USS Midway aircraft carrier, stationed at the San Diego Bay. Join us in September for unforgettable moments of good science, camaraderie, and fun. See you then.



Mission:

Increase awareness of the
importance of trauma as a
disease worldwide

Trauma Education at all
levels worldwide

Development of trauma
systems worldwide

Continuation of the World
Trauma Congress

Program Chairman's Message

David Spain, MD
WTC Program Chairman



Dear Members and Attendees:

A joint AAST/World Trauma Congress program committee meeting was held in April. Dr. Reilly and his crew have put together an outstanding program for the AAST.

We received an incredible amount of interest in the WTC. We received over 20 suggestions for the three WTC panel sessions that will take place during the AAST Annual Meeting. These three panels will include numerous international speakers, giving us their perspectives on pelvis hemorrhage control, coagulopathy, and pro/con debates on controversial topics. We will also have over 24 keynote speakers, which will consist of a 12-minute "state-of-the-art" lecture given by an international expert followed by 5 scientific abstract presentations in thematic sessions.

This portion of the program is looking very exciting, and should bring numerous international attendees from Europe, South America, and Asia. This will be an incredible opportunity to meet our international colleagues, learn from each other, make connections, and establish collaborations. Please make an extra effort this year to attend these sessions and welcome our colleagues from around the world.

FEATURED SPEAKERS

PRESIDENTIAL ADDRESS

*Execute on the Vision:
Pyramids and Mirages in
Shifting Sands*

**Michael F. Rotondo, MD,
AAST President**



Michael F. Rotondo, MD, is a professor in the Division of Trauma and Acute Care Surgery in the Department of Surgery at the School of Medicine and Dentistry at the University of Rochester in Rochester, New York. He is also the vice dean for Clinical Affairs and the CEO of the University of Rochester Medical Faculty Group. Prior to this, he served as professor and chairman of the Department of Surgery at the Brody School of Medicine at East Carolina University, and he was the director of the Centre of Excellence for Trauma and Surgical Critical Care at Vidant Medical Centre in Greenville, North Carolina, for fourteen years.

Dr. Rotondo graduated from Georgetown University School of Medicine in 1984, and then undertook postgraduate training at the Thomas Jefferson University Hospital in Philadelphia, and at the Hospital of the University of Pennsylvania (a fellowship in Traumatology and Surgical Critical Care). He gained his board certification from the American Board of Surgery in 1990, he holds a Special Certificate in Surgical Critical Care, and he is counted among the Best Doctors in America. Dr. Rotondo has held several visiting professorships across the United States and is currently president of the American Association for the Surgery of Trauma. He recently completed fourteen years of service to the American College of Surgeons Committee on Trauma, ending his tenure as COT medical director where he served from 2014–2018. He is a member of the editorial review board for *Journal of Trauma and Acute Care Surgery*, and an ad hoc reviewer for many leading journals. Dr. Rotondo is the author of more than 100 articles in peer-reviewed journals, and he has over 250 publications in total.

MASTER SURGEON LECTURE

*A Long Run for a Short Slide:
A Story of Trauma Care in
New Zealand*

Ian Civil, MD



Dr. Ian Civil is a professor of surgery with the University of Auckland and director of trauma services at

Auckland City Hospital. After qualifying from the University of Auckland School of Medicine and completing his surgical training in New Zealand, he spent three years in the USA completing vascular and trauma fellowships. Returning to New Zealand in 1987, he worked in both civilian and military practice and saw active service in the first Gulf War. Dr. Civil was part of the team that introduced ATLS to Australia and New Zealand in 1988, and he remains an active course director.

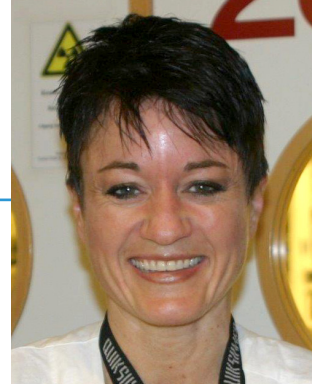
Dr. Civil was a founding member of the International Association for the Surgery of Trauma and Intensive Care, and went on to become its president; he followed a similar track as a founding member and then president of the Australasian Trauma Society. From 2003–2012, he was on the Council of the Royal Australasian College of Surgeons, and served as its president from 2010–2012. And from 2012–2017, he was president and governor of the Australian and New Zealand chapter of the American College of Surgeons. He is currently the clinical leader of the New Zealand Major Trauma National Clinical Network.

FEATURED SPEAKERS

MASTER SURGEON LECTURE

*Advise, Advance, Support, Teach — The True Meaning of **A**AST to Me*

Christine Gaarder, MD, PhD



Dr. Christine (Tina) Gaarder, Consultant General and Trauma Surgeon, is the head of the Department of Traumatology at Oslo University Hospital Ullevål (OUH U). The only high-volume trauma center in Norway, OUH U covers a population of 2.8 million and admits approximately 700 patients with ISS>15 per year.

Dr. Gaarder served as the clinical head of the Trauma Unit in the Division of Surgery at Oslo University Hospital from 2005–2010, where she received her degrees; and within that time, as a consultant surgeon in the Trauma Unit at Johannesburg General Hospital, South Africa (2006–2007). She founded OUHU's dedicated Trauma Service in 2005, and later initiated the National Trauma Competency Service in Norway.

A true innovator and creator of trauma courses and programs, Dr. Gaarder continues her extensive and remarkable teaching career. Among other accomplishments, she has been an ATLS instructor and director since the program's inaugural course in Norway in September of 2004. She is also the course director and national coordinator of the Definitive Surgical Trauma Care (DSTC) program, which has more than 25 courses in Norway to date. She teaches over 50 courses as an international faculty member through DSTC (IATSIC) in Sweden, Denmark, Holland, France, Portugal, Italy, Spain, Israel, Australia, South Africa, and Saudi Arabia. In addition to currently supervising five PhD candidates, she is the director of the Norwegian ASSET courses (since 2013), the director of the disaster management program MRMI (medical response to major incidents) Norway (since 2015), and she is the director and creator of the Compulsory Emergency Surgery Course, Norway (2015). And since 1998, she has been an instructor at the annual War Surgery Courses for the Norwegian Armed Forces.

She has chaired the Trauma Committee of the Norwegian Surgical Society since 2008, and throughout her career, she has been heavily involved in the development and revision of the Norwegian trauma system. She has been a member of the Norwegian Society for Trauma, Emergency, and Disaster Medicine; the National Committee for the development of National Trauma System, the National Committee for the evaluation of a new specialty in Emergency Medicine for Norway, and the National Committee for the revision of Norway's national trauma system plan. Dr. Gaarder is the current president of the International Association for Trauma Surgery and Intensive Care (IATSIC) and the chair of the Visceral Trauma Section in the European Society for Trauma and Emergency Surgery.

In addition to running a broad trauma research program covering a wide range of trauma clinical and epidemiological topics, as well as injury prevention, Dr. Gaarder is the chief investigator of an ongoing RCT on SAE for grades 4 and 5 splenic injuries. And she is one of the founders of the International Trauma Research Network (INTRN), a multi-center research consortium that is currently running an EU-funded project including an RCT in trauma resuscitation.

Dr. Gaarder is an editorial board member of the *Journal of Trauma and Acute Care Surgery*, an associate editor of AAST's newest journal, *Trauma Surgery and Acute Care Open*, and reviewer for seven international journals. To date, her name can be found on over 65 pub-med indexed publications, and she is frequently invited to present, both at home and internationally.

44TH WILLIAM T. FITTS, JR. ORATION

Damage Control and Firearm Deaths: 'A Tale of Two Cities!'

C. William Schwab, MD

C. William Schwab has been an international contributor to the field of trauma surgery, and an academic surgeon with special interests in the management of severe injury, surgical education, and injury prevention. While founding the trauma center and flight programs at the University of Pennsylvania, Dr. Schwab and the Penn Team pioneered many aspects of Damage Control Surgery, an approach to life-threatening injury now integral to trauma surgery worldwide. From his experiences with the United States Navy, Dr. Schwab coined the phrase damage control to emphasize the need to control bleeding with unconventional techniques to improve survival. Beyond his scholastic work, Dr. Schwab has been recognized for his work in developing trauma systems and for developing hospitals to be trauma centers. Bill established the concept of a trauma network by partnering trauma center hospitals under a common managing entity for cost-effective data analysis, performance improvement, education, training, and business management.

As an educator, the impact of his post-graduate training programs in trauma, emergency, and critical care surgery can be felt worldwide. These programs have graduated over 140 surgeons and physicians, many of whom now serve as well-known leaders in academic medicine and global surgery. Under his leadership, the academic division at Penn developed interdisciplinary post-graduate and fellowship programs in basic science, translational, and clinical research, which have been supported by the NIH, the CDC, and funding from the public health sectors. A characteristic of the research mission championed by Bill was to direct support to international and North American scientists from the trauma and injury communities.

Dr. Schwab has over 250 peer-reviewed publications, and has co-edited four textbooks about clinical trauma care, ballistic injury, and damage control management. He has been awarded honorary memberships in the Royal College of Surgeons of Scotland (Glasgow), the Swedish Surgical Association, and the European Society of Trauma and Emergency Surgery. Bill has served as the President of the American Association for the Surgery of Trauma, the Eastern Association for the Surgery of Trauma, and the International Association for Trauma

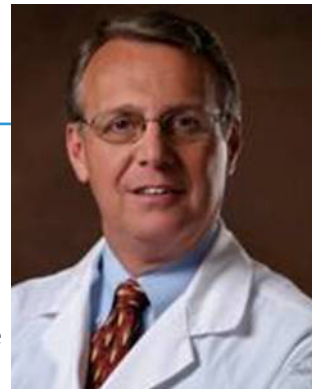
Surgery and Intensive Care. He has also served on two National Academies of Science, Engineering, and Medicine committees to evaluate and recommend improvements in emergency care and, most recently, to enhance civilian and military partnerships in effort to expand trauma care and disaster response.

In 2008, for his work in addressing the toll of firearm injury, Dr. Schwab was given the National Safety Council Surgeons Award for Service to Safety by American College of Surgeons and the American Association for the Surgery of Trauma. In 2017, Bill was honored at the University of Pennsylvania with the establishment of the C. William Schwab Endowed Professorship in Traumatology, Surgical Critical Care, and Emergency Surgery.

Dr. Schwab received his surgical training in the United States Navy and served on active duty from 1970–1980. He has remained a strong advocate for improving military trauma training: In response to Operations Iraqi Freedom and Operation Enduring Freedom, 20 surgeons from the trauma unit at Penn deployed as combat surgeons. He used their collective experience from the battlefield to develop the recommendations he gave in his Scudder Oration in Trauma at the American College of Surgeons in 2014. His white paper “The Winds of War: Military-Civilian Partnership for Training, Education, and Readiness,” has been a provocative call for modernizing how military trauma teams are trained for battlefield deployment and combat casualty care.

Dr. Schwab is a graduate of Ithaca College (1968) and SUNY Upstate Medical University (1972), and he completed his surgical residency at the Navy Regional Medical Center in Portsmouth, VA (1972–77). He is married to his college sweetheart, Marjorie Rooke Schwab, and they have 3 children (Jennifer Medina, RN; C. William Schwab II, MD; and Timothy Schwab, DVM).

Dr. Schwab was awarded an honorary Doctor of Letters by Ithaca College in 2012 for his service to the College as a Trustee and Board Chair (2006–2012).



MILITARY AND CIVILIAN TRAUMA SYSTEM INTEGRATION: WHERE HAVE WE COME, WHERE ARE WE GOING, AND WHAT CAN WE LEARN FROM OUR INTERNATIONAL PARTNERS

Sponsored by the Military Liaison Committee/International Relations Committee

Moderators: Joseph Galante, MD, Steve Smith, MD, and Michel Abountanos, MD, MPH

The US military have seen great successes in the last two decades of war. The development of the Joint Trauma System and revolutionizing transport of critically injured patients resulting in the lowest Case Fatality Rates in history. Unfortunately, during inter-war period lessons learned are lost that not only have to be relearned but result in a lower survival rate at the beginning of the next conflict. Enormous efforts are currently underway to preserve those lessons learned and keep the military force ready to deploy not only with equitable, if not superior skills, than our predecessors. Success requires the multifaceted efforts of military and civilian surgeons, administrators, military leadership and Congress. In the last 2 years laws have been passed that will change the future military force as well as military surgical readiness. This session will focus on how we will take advantage of recently passed legislation to help ensure we do not repeat the mistakes of the past, implement effective change, and develop a trauma-ready, enduring future military force.

US Section, 2 hours: Focusing on the Failures: Forgoing Future Facsimile

International Section, 2 hours: This is How We Do It: International Initiatives for Military Surgeon Readiness

Focusing on the Failures: Forgoing Future Facsimile		
Time	Topic	Speaker
1:00-1:05 PM	Welcome/Introduction	Steven Smith, MD & Michel Aboutanos, MD, MPH
1:05-1:30 PM	The KSA Project: 1. An Innovative Solution: Preparing a Trauma Ready Force 2. Maintaining the Status Quo: another checklist that will not meet the intent	Eric Elster, MD vs John Holcomb, MD
1:30-1:55 PM	Military Trauma Centers: 1. All Military Hospitals Should be Trauma Centers 2. No Military Hospitals Should be Trauma Centers	Jeffrey Bailey, MD vs Matthew Martin, MD
1:55-2:20 PM	MTF Trauma Center Verification: 1. We Support You, But Here is Where You are Going to Fail 2. We Did it, It's Easy 3. We Did it, It's Not Easy	Ronald Gross, MD Carlos Rodriguez, MD Zach Brown, DO, CDR, USN
2:20-2:40 PM	We Are General Surgeons and... 1. We are 'Trauma Ready' 2. We are NOT 'Trauma Ready'	Rob Lim, MD vs. Doug Stoddard, MD
2:40-3:00 PM KEYNOTE	How Do We Prevent Peacetime Military Medicine from Becoming the World's Largest HMO?	Vice Admiral Raquel Bono

This is How We Do It: International Initiatives for Military Surgeon Readiness

Time	Topic	Speaker
3:15-3:35 PM	Military Trauma Surgeons Should Be Able to Care for Any Injury and Do This Within Civilian Systems	Jan Jensen, MD vs. Daniel Grabo, MD
3:35-3:45 PM	This is How We Do It: Qatar	Ruben Peralta, MD
3:45-3:55 PM	This is How We Do It: Netherlands	Teunis van Egmond, MD
3:55-4:05 PM	This is How We Do It: Australia	Mary Langcake, MD
4:05-4:15 PM	This is How We Do It: Sweden	Per Ortenwall, MD
4:15-5:00 PM	Panel Discussion	All panelists

FIREARM INJURY PREVENTION: IT STARTS WITH A CONVERSATION

Sponsored by the Pediatric Trauma and Injury Prevention Committees

Moderators: Deborah A. Kuhls, MD, and M. Margaret Knudson, MD

Description: This pre-session is targeted to pediatric and adult physicians and other healthcare and injury prevention professionals who interact with patients across the spectrum of ages. Goals of this pre-session include: (1) understanding the epidemiology of pediatric and adult patients who are at risk of intentional and unintentional firearm injuries; (2) review the fundamentals of talking with parents and patients about their risk of firearm injury and strategies to prevent such injuries, including safe storage of firearms and ammunition; (3) leveraging violence prevention and intervention to decrease firearm injury and recidivism; and (4) advocating for our pediatric and adult patients.

1. The epidemiology of pediatric firearm injuries in the US — Richard Falcone, Jr., MD, MPH
2. The epidemiology of adult firearm injuries in the US — Ronald Stewart, MD
3. Talking to parents and patients about safe storage of guns and ammunition — Brendan Campbell MD, MPH; Peter Masiakos, MD; Eric Kuncir, MD, MSc; Robert Letton, MD
4. Talking with parents and patients regarding depression and suicide — Dorian Lamis, PhD
5. Addressing intimate partner violence and the risk of firearm injury and death — Stephanie Bonne, MD

6. Engaging victims of violence to prevent recidivism — Rochelle Dicker, MD and Thomas Duncan, MD
7. Talking with adult patients about risk and prevention of firearm injury, including risks associated with cognitive impairment and dementia — Zara Cooper, MD, MSc
8. State and federal advocacy opportunities to decrease firearm injuries — Eileen Bulger, MD, and Peter Masiakos, MD



PRESESSIONS

HANDS-ON LAPAROSCOPIC COMMON BILE DUCT EXPLORATION

Sponsored by the Acute Care Surgery Committee

Speakers: Eric Hugness, MD Ezra Teitelbaum, MD, Fernando Santos, MD, and Dennis Kim, MD Moderator: Matthew Bloom, MD

In the didactic session, participants will learn the set-up, equipment needed, different options, and necessary steps for a laparoscopic common bile duct exploration even in the acute setting. Participants will also review the interpretation of the difficult cholangiogram and surgical tips for a safe and successful cholecystectomy. The selection of patients for MRCP/ERCP and surgical bile duct exploration will be reviewed. Videos and discussion of challenging cases and alternative techniques will give participants the tools necessary to navigate difficult cases successfully. Finally, a Q&A panel session will complete the didactic component.

In the hands-on laboratory portion, each student will have the chance to do a laparoscopic common bile duct exploration with clearance of the common bile duct using a video choledochoscope and basket extraction techniques on a simulator. There will be a 1:3 ratio of instructor to students so surgeons should have multiple opportunities to perform the procedure. Proper endoscope usage and set-up will also be reviewed. At the end of the course, surgeons should feel comfortable performing this procedure in the acute setting.

ACUTE CARE SURGERY — MAINTENANCE OF CERTIFICATION

SESSION	MODERATOR	TOPIC	SPEAKER
Trauma	Carlos Brown, MD	Contemporary Management of Penetrating Neck Injuries	Kenji Inaba, MD
		Civilian Whole Blood Transfusion: Is It a Reality?	Martin Schreiber, MD
		Non-narcotic Options for Pain Control in Trauma	Andrew Bernard, MD
		Panel Discussion	Carlos Brown, MD
		BREAK	
SCC	Karen Brasel, MD, MPH	End of Life Care	Christine Cocanour, MD
		ARDS Update	Matthew Martin, MD
		Ultrasound in the ICU	Niels Martin, MD
		Panel Discussion	Karen Brasel, MD, MPH
		BREAK	
EGS	Clay Cothren Burlew, MD	Laparoscopy in Trauma and Emergency General Surgery	Andre Campbell, MD
		Emergency General Surgery in Pregnancy	Ali Salim, MD
		Management of the Open Abdomen after Emergency General Surgery	Paula Ferrada, MD
		Panel Discussion	Clay Cothren Burlew, MD
		ADJOURN	

ACUTE CARE SURGERY CLINICAL OUTCOMES RESEARCH

Sponsored by the AAST Strategic Planning Committee

Speakers: See Below

Moderators: Daniel Holena, MD, MSCE, and Adil Haider, MD, MPH

Description: This 4-hour pre-course will provide a broad overview of clinical outcomes research in acute care surgery from leaders in the field. Geared toward the early stage investigator, topics covered will include launching a research career in acute care surgery (funding sources, negotiating protected time for research, and other early career advice), available data sources for acute care research, and an overview of quantitative and qualitative methods commonly employed in outcomes research.

WELCOME AND COURSE OVERVIEW

Welcome and Course Overview

Opening Lecture

STARTING YOUR ACUTE CARE SURGERY CLINICAL OUTCOMES RESEARCH CAREER

Negotiating Protected Time for Research:
Heena Santry, MD

Funding Sources: Elliot Haut, MD

Advice for Early Stage Investigators:
Angela Ingraham, MD

DATA SOURCES FOR ACUTE CARE SURGERY CLINICAL OUTCOMES RESEARCH

The NTDB/NTS: Bellal Joseph, MD

The SID/SEDS/NIS/NEDS/NRD: TBD

The NSQIP/TQIP/EQIP: Zain Hashmi, MD

The CDC datasets: Molly Jarman, MD

BREAK

METHODOLOGY FOR ACUTE CARE SURGERY CLINICAL OUTCOMES RESEARCH

Quantitative methods: Regression modeling:

Theresa Bell, MD

Quantitative methods: Propensity matching:

Joshua Brown, MD

Quantitative methods: Cost-effectiveness:

Kristan Staudenmayer, MD, MSc

Quantitative methods: Tanya Zakrison, MD

Keynote Speaker: Bringing It All Together

Keynote Speaker: Avery Nathens, MD

Wrapup and Questions: Daniel Holena, MD, MSCE, and
Adil Haider, MD, MPH

PRESESSION NETWORKING RECEPTION:

Tuesday, September 25, 2018, 5:00–6:30 PM



LUNCH SESSIONS

WEDNESDAY LUNCH SESSIONS

How to Plan a Successful Peer-reviewed Manuscript: Avoiding Errors Before Submission

Sponsored By: *The Journal of Trauma and Acute Care Surgery*

Speakers: Ernest Moore, MD, and Angela Sauaia, MD, PhD
Moderator: Steven Shackford, MD

Common flaws in submitted manuscripts leading to rejection or major revision can be avoided with proper planning and review by the authors. These common flaws will be discussed as well as ways to avoid them.

SBO: OR Before Sunset or Let the Sun Set?

Sponsored By: AAST Acute Care Surgery Committee

Speakers: Gary Vercruysse, MD; Eric Toschlog, MD;
and Nathan Mowery, MD
Moderator: Stephanie Savage, MD

Optimal management of SBO remains controversial. As one of the most common conditions encountered by acute care surgeons, a review of relevant literature, current practices, and potential management protocols is essential.

Controversy or Common Sense? Regionalization of Emergency General Surgery

Sponsored By: Patient Assessment Committee

Speakers: Shahid Shafi, MD, MPH, MBA; Larry Lottenberg, MD;
Heena Santry, MD; and Lillian Kao, MD
Moderator: Marie Crandall, MD, MPH

The field of acute care surgery encompasses trauma, critical care, and emergency general surgery. As our ability to risk stratify and compare outcomes for EGS patients has rapidly evolved, the idea has been posited that EGS outcomes might be improved if care of the most critically ill patients was regionalized. However, as EGS has traditionally been part of the foundation of general surgery, this may be financially and ideologically devastating to community general surgeons. In this lunch session, we hope to present balanced looks at advantages and disadvantages of regionalization and possibly begin to negotiate some of the areas of potential conflict.

Grassroots Legislative Advocacy: A Story is Worth 181 Votes "The World is Run by Those Who Show Up"

Sponsored By: Pediatric Trauma Surgery Committee and Prevention Committee

Speakers: Peter Masiakos, MD, and Senator Steven Baddour
Moderators: Richard Falcone, MD and Deborah Kuhls, MD

In this 40-minute talk, Dr. Masiakos and Senator Baddour will discuss their coordinated approach to state advocacy and the fundamental importance of their sustained relationship, which was responsible for the legislative successes in Massachusetts. We'll learn of their chance meeting and how they established a working relationship that neither thought was possible. The talk will end with a report on the outcomes of several of the laws that they helped to pass.

Simulation Training for Civilian and Military Trauma: Advances and Challenges

Sponsored By: Educational Development/MOC Committee

Speakers: Elizabeth Benjamin, MD, PhD; Megan Brenner, MD, MSc;
and Travis Polk, MD
Moderator: Mark Bowyer, MD

- With decreasing trauma volumes and increasing nonoperative management, simulation training is becoming a key element in trauma training. This lunch session will cover the new advances and challenges in both civilian and military trauma training.
- Drs. Mark Bowyer, Elizabeth Benjamin, Megan Brenner, and Travis Polk are in a unique position to run this session because of their in-depth involvement in collaborative, civilian-military partnerships in trauma training and their unique experiences with advanced simulation models.



Post-Intensive Care Syndrome (PICS): The Underappreciated ICU Morbidity

Sponsored By: Critical Care Committee

Speakers: Karyn Butler, MD; Kimberly Joseph, MD; and Orlando Kirton, MD

Moderator: Karen Brasel, MD, MPH

Recent data suggest that patients who have prolonged ICU stays, are mechanically ventilated, and/or who have sepsis in the ICU are 30–50 percent more likely to develop Post-Intensive Care Syndrome (PICS). Nearly half of these patients still require some form of care one year after their ICU stay: they have cognitive, physical, and psychological impairments that affect their functioning; their impairments impact and affect the ability of their families to function as well. This lunch session will focus on: (1) recognizing the signs/symptoms of PICS (Ephron), (2) evidence-informed steps intensivists can take to try to prevent PICS (Kirton), and (3) what resources are available to surgeons who encounter patients with signs/symptoms of PICS (Butler).

FRIDAY LUNCH SESSIONS

Establishing a Translational Research Career in Acute Care Surgery: Early, Mid-, and Late-Career Milestones

Sponsored By: Education Development/MOC Committee

Speakers: Alicia Mohr, MD; Mitchell Cohen, MD; Rosemary Kozar, MD, PhD

Moderator: Raul Coimbra, MD, PhD

This lunch session will provide an overview of research focused on the translation of basic science investigation to bedside applicability in acute care surgery. The panelists will present key milestones in the timeline for establishing a successful translational research career. Milestones discussed will include establishment of mentorship relationships, strategies to secure institutional and departmental support for research efforts, options for grant funding, and time management structuring to allow ongoing clinical engagement, particularly for early career investigators.

Palliative Care 2018: Implementing the TQIP Best Practice Guideline

Sponsored By: Critical Care Committee

Speakers: Anne Mosenthal, MD; Gail Tominaga, MD; and David Zonies, MD, MPH

Moderator: David Zonies, MD, MPH

Description: In 2018, the Acute Care Surgery Committee on Trauma released the Palliative Care Best Practice Guidelines. This was a major advance in codifying the role of palliative care in trauma center operations. Palliative care is emerging as complimentary skill set in the comprehensive care of the trauma patient. The moderator and presenters for this session were integral in the development of the TQIP Palliative Care Best Practice Guideline.

This session will be divided into three parts:

1. High-level review of palliative care delivery (Cooper):
 - Primary delivery (trauma / ICU service)
 - Secondary delivery (formal palliative care service when available)
 - Screening process for palliative care delivery (case-based)
2. A discussion on implementing and sustaining efforts for an inter-professional team (nurses, physicians, residents/trainees, and advanced-practice providers) in the delivery of high-quality palliative care for trauma patients (Tominaga).
3. A practical approach to using the TQIP Best Practice Guideline gap analysis toolbox. The toolbox will help centers to identify areas of strength and weakness as they continue integrating palliative care along the continuum of care (Mosenthal). Examples include:
 - Patient screening
 - Transitions in care
 - Documentation
 - Performance improvement

The Difficult Cholecystectomy

Sponsored By: ACS/SAGES

Speakers: Andrew Peitzman, MD; Dana Tellem, MD

Moderator: Robert Mackersie, MD

Description: Tricks and tips for the laparoscopic and open management of difficult cholecystectomies will be discussed.

The Opioid Epidemic: Challenges for the Acute Care Surgeon

Sponsored By: Communications Committee

Speakers: Matthew Benms, MD; Patrick Kim, MD; and William Bromberg, MD

Moderator: Matthew Benms, MD

The opioid epidemic has become a national public health crisis in the United States. According to the US Department of Health and Human Services, over 11 million people misuse opioids, and over 42,000 people die from opioid overdose each year. This epidemic has created ripple effects in all areas of medicine, but has led to some challenges in the care of trauma and acute care surgery patients. Surgeons must constantly balance what are obvious and legitimate indications for narcotic pain control with the concerns of addiction and abuse. Further, a considerable number of patients (20 percent per a 2014 J Trauma study) may present with longstanding use and tolerance of opioids that can make efforts at appropriate analgesia a considerable challenge.

The invited discussants will briefly outline strategies to treat pain in the climate of the opioid epidemic to include:

- Best practices to control pain and minimize subsequent addiction in opioid naïve patients
- Best practices for non-narcotic and regional pain control in the trauma patient
- Best practices to control pain in the opioid-dependent patient

TXA Beyond CRASH-2 — Controversies and the Global Perspective

Sponsored By: International Relations Committee

Speakers: Jana MacLeod, MD; Gustavo Fraga, MD, PhD; and Lena Napolitano, MD, MPH

Moderator: Michel Aboutanos, MD, MPH; and Rochelle Dicker, MD

The Clinical Randomization of an Antifibrinolytic in Significant Hemorrhage trial (CRASH-2) has generated some significant controversies in the US since its publication in 2010. For US trauma centers, the controversies arise regarding CRASH-2 trial methodology, conclusions, and its applicability to modern US civilian trauma centers. These controversies are not shared in Europe or low- and middle-income countries

(LMIC) where TXA use remains ubiquitous. In this session, the IRC aims to highlight the global perspective on the use of TXA, its applicability in US prehospital and hospital settings, and whether US concerns are globally applicable to LMIC where resources, especially blood products, are scarce.

Physician Resilience, Burnout, and the Work-Life Balance

Sponsored By: Education Development/MOC Committee

Speakers: Gregory Jurkovich, MD, Kimberly Davis, MD, MBA, and Carlos Brown, MD

Moderator: Bellal Joseph, MD

- Resilience is the capacity to respond to stress in a healthy way such that goals are achieved at minimal psychological and physical cost; resilient individuals “bounce back” after challenges while also growing stronger. Resilience is a key to enhancing quality of care, quality of caring, and the sustainability of the health-care workforce. Yet, ways of identifying and promoting resilience have been elusive. Resilience depends on individual, community, and institutional factors.
- The quality and safety of patient care, and indeed the very vitality of our health care systems, depends heavily on high-functioning physicians. Yet recent data have revealed an extraordinarily high and increasing prevalence of physician burnout, which is defined as emotional exhaustion, interpersonal disengagement, and a low sense of personal accomplishment. Considering compelling evidence that burnout negatively affects patient care, health-care leaders are rightly alarmed and are searching for answers.
- The ability to balance between clinical work, research, education, and family has gotten more complicated in modern academic centers. Trauma Surgery itself has the added stress of case volume and severity. Discussion will lead on ways to both improve oneself in the work realm as well as in one’s home life.



PANEL SESSIONS

AAST PANEL SESSIONS

Thursday, September 27, 2018, 8:50–10:00 AM

The Future of Acute Care Surgery: Making the Business Case

Structure:

Plenary session consisting of three talks. Questions submitted by paper throughout the discussion.

Topics:

Setting the Stage (Kristan Staudenmayer, MD, MSc)

- Macroeconomic trends in US healthcare
- Workforce
- Scope of ACS

The Devil is in the Details (TBD)

- RVU and global compensation
- The ACA, capitation, and value-based care
- Other factors affecting our patients (e.g., surprise bills)

Local Economics (TBD)

- Benefit of ACS for outcomes
- Advocating for value in your department in the RVU-based world
- Balancing act: reimbursement from non-procedural revenue vs. procedures

Wrap-Up (Joseph Minei, MD, MBA)

- Summarization of strategy for AAST and academic organizations
- Recommended research areas on which to focus

WTC PANEL SESSIONS

Wednesday, September 26, 2018, 10:40–11:40 AM

Hemorrhage Control for Complex Pelvic Fractures

Moderators: Ingo Marzi, MD, and Clay Cothren Burlew, MD

Role of Fixation: Ingo Marzi, MD

Role of Pelvic Packing: Clay Cothren Burlew, MD

Role of Endovascular Techniques: Ryosuke Usui, MD

Wednesday, September 26, 2018, 5:00–6:00 PM

Traumatic Coagulopathy: Is it All the Same?

Moderators: Yasuhiro Otomo, MD, PhD, and Mitchell Cohen, MD

European Bleeding Guidelines: Radko Komadina, MD

DIC or Trauma-Induced Coagulopathy?

* Western Perspective: Bryan Cotton, MD

* Eastern Perspective: Yasuhiro Otomo, MD, PhD

Thursday, September 27, 2018,

11:15 AM – 12:15 PM

Pro/Con Debate

Moderators: Ari Leppaniemi, MD, PhD, and Zsolt Balogh, MD, PhD

Laparoscopy in Trauma

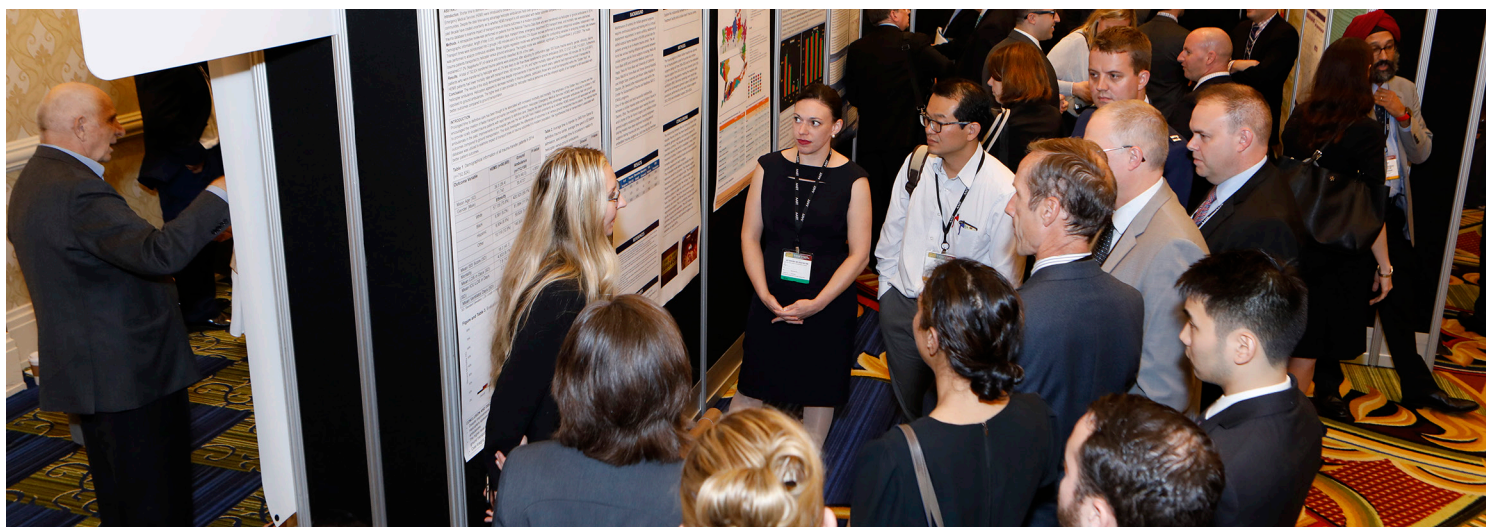
***Pro:** Selman Urnes, MD

***Con:** David Feliciano, MD

Grade IV Splenic Injury with Blush

* **Splenectomy:** Andrew Peitzman, MD

* **Angio/Embolization:** Federico Coccolini, MD



HOTEL INFORMATION

MANCHESTER GRAND HYATT San Diego, CA

The headquarters hotel for the
Annual Meeting

1 Market Place

San Diego, California, 92101 USA

Phone: 619-232-1234

For the hotel's main web page visit:
[https://manchester.grand.hyatt.com/
en/hotel/home.html](https://manchester.grand.hyatt.com/en/hotel/home.html)

(Do not use this link to book your room, please see link on this page under booking your room.)

All education sessions, posters, and exhibits will be held at the Manchester Grand Hyatt San Diego, CA, the headquarter hotel. Please visit www.aast.org for more information regarding the hotel, local activities, and transportation, including a link to the Manchester Grand Hyatt website.

The Manchester Grand Hyatt hotel, ideally situated on San Diego Bay, is near the city's popular Seaport Village and the Gaslamp Quarter. The hotel offers spacious guest rooms with flat-screen TVs, deluxe bedding, designated workspaces, complimentary basic Wi-Fi, and windows that open to capture sea breezes off San Diego Bay. The Manchester Grand Hyatt offers a variety of dining options: Sally's Fish House & Bar — a waterfront, wood-fired seafood grill; Brew 30 California Taps; Market One—for your on-the-go options; the Grand

Lobby Bar offers live music, and Top of the Hyatt has incredible views. Otherwise, enjoy their two rooftop pools, bay-view sundeck, 24-hour gym; Iconic, A Marilyn Monroe™ Spa; and four sports courts, including two tennis courts, offering basketball, volleyball, and shuffleboard.

Booking Your Room:

AAST has negotiated a block of rooms at the Manchester Grand Hyatt San Diego Hotel for attendees of the 77th Annual Meeting of AAST and Clinical Congress of Acute Care Surgery and 4th World Trauma Congress. The Run of House room rate is \$235/night single/double and \$285/night triple/quad. The room rates listed above don't include state and local taxes (currently 10.5% Occupancy + 2% TMD Assessment and .65 per night City of San Diego tax) and are subject to change. The additional person charge is waived for children under 18 when sharing with their parents, using existing bedding. 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 26–29, 2018, based on availability. The cut-off date to receive the special AAST rate is Friday, August 24, 2018. 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://aws.passkey.com/
event/49412913/owner/414/home](https://aws.passkey.com/event/49412913/owner/414/home) or by calling 888-421-1442, and reference: American Association for the Surgery of Trauma (AAST) Annual Meeting.**

CANCELLATION: Cancellation must be received at least 72 hours prior to arrival to avoid a cancellation fee of one night's room plus tax. Hotel check-in is 4:00 pm. Every effort is made to accommodate guests arriving before the check-in time; however, rooms may not be immediately available. Checkout time is 11:00 am.

EARLY DEPARTURE FEE: To avoid an early checkout fee of one night's room plus tax, please advise the Hotel 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 the reservation. Credit cards will only be charged in the instance of late cancellation or no show.**

The Manchester Grand Hyatt is 2.9 miles from the San Diego International Airport and .5 miles from the Santa Fe Depot.

For driving directions to the Manchester Grand Hyatt, please contact the hotel directly.

Parking: Self-parking is currently \$35 plus taxes per day, and valet parking is currently \$49 plus taxes per day.

OVERFLOW HOTELS

AAST has negotiated overflow room blocks at the following properties:

Embassy Suites San Diego Bay — Downtown

http://embassysuites.hilton.com/en/es/groups/personalized/S/SANDNES-AST-20180921/index.jhtml?WT.mc_id=POG

601 Pacific Highway,
San Diego, CA 92101 USA
Phone: (619) 239-2400;
Fax: (619) 239-1520

Located within a 5-minute walk from the Manchester Grand Hyatt
Rate: \$235/night plus taxes (currently 12.75%) for single/double occupancy. All suites are sold on a Run-Of-House basis. For guaranteed bay-view suites, there is an additional \$20 nightly surcharge.

Reservations can be made by visiting: http://embassysuites.hilton.com/en/es/groups/personalized/S/SANDNES-AST-20180921/index.jhtml?WT.mc_id=POG, or call Hilton Reservations at (800) 774-1500 and ask for the American Association for the Surgery of Trauma (AAST) and World Trauma Congress (WTC) rate.

All reservations must be guaranteed with a major credit card or advance deposit at the time of booking.

Reservation Cut-Off Date: Friday, August 31, 2018. Reservations received after the cut-off date, or after the room block fills, will be based on space and rate availability.

Cancellation Policy: Cancellation must be received at least 72 hours prior to arrival to avoid a cancellation fee of one night's room plus tax.

Early Departure Fee: To avoid an early checkout fee of one night's room plus tax, please advise the Hotel at or before check-in of any change in your planned length of stay.

Check-in: 4:00 pm/Check out: 12:00 noon

Parking: Valet parking is currently \$50 plus taxes per night.

Amenities: Complimentary breakfast buffet, complimentary nightly reception, complimentary internet service in guest rooms, and a complimentary 24-hour fitness center with an indoor pool.

Porto Vista Hotel

<http://www.portovistasd.com/>

1835 Columbia Street,
San Diego, CA 92101 USA
Phone: 619-544-0164;
Fax: 619-237-9940

Located in San Diego's historic Little Italy district, the Porto Vista Hotel is within a 10-minute drive of the Manchester Grand Hyatt.

Rate: \$179/night plus taxes (currently 12.75%) for single/double occupancy, and \$15 for each additional person.

Reservations can be made by visiting: <https://www.bookonthenet.net/west/premium/eresmain.aspx?id=j6r1IRqyXV3YP-8mYWIRGSKDXZCE%2fiUI-yGHW4FGURPp8%3d#> - Enter dates and before selecting search, click on "Do you have a group code?" and enter AAST9 then click on search availability. You can also contact the

Hotel directly at 619-544-0164 and ask for Reservations and then the American Association for the Surgery of Trauma (AAST) and World Trauma Congress (WTC) rate.

A major credit card or advance deposit is required at the time of booking for one night's room plus tax.

Reservation Cut-Off Date: Tuesday, August 28, 2018. Reservations received after the cut-off date, or after the room block fills, will be based on space and rate availability.

Cancellation Policy: Cancellation must be received by 3 pm, 48 hours prior to arrival to avoid a cancellation fee of one night's room plus tax.

Early Departure Fee: To avoid an early checkout fee of one night's room plus tax, please advise the Hotel at or before check-in of any change in your planned length of stay.

Check-in: 3:00 pm/Check out: 11:00 am

Parking: Valet parking for standard cars is currently \$25 plus taxes per night; for large vehicles (16'-19' average size trucks and vans), \$35 plus taxes per night; for extended-size vehicles (over 19' in length), \$50 plus taxes per night.

Complimentary Amenities: SAN airport shuttle from 7 am to 8 pm daily, shuttle to/from Manchester Grand Hyatt for AAST attendees, hot breakfast buffet, basic internet service in guest rooms, and a fitness center.

HOTEL INFORMATION

Note regarding Unauthorized Registration and Housing Services:

It has come to our attention there are companies operating on the internet claiming to offer registration and housing services for AAST Meetings. These companies are not affiliated with AAST and do not offer any services on our behalf. You may receive e-mails or phone calls from these companies urging you to book hotel rooms or register for the meeting(s). Registration and housing should only be accessed from the AAST website. Housing reservations should be made directly with the hotel.

Listed below are all the hotels AAST has negotiated discounted room rates with. Room availability is on a first come, first served basis. Please note: additional information on each hotel is listed in the chart below.

Hotel	Room Rate*	Booking Information	Walking distance to Headquarter Hotel
Manchester Grand Hyatt Headquarters Hotel Cut-off date: August 24, 2018	\$235/night—single/double \$285/night — triple/quad ** Government Rates availableforalimitednumber of rooms.	888-421-1442 Reference: American Association for the Surgery of Trauma Book Government Rate Rooms Only select dates available. Monday, September 24 – September 29	None
Embassy Suites San Diego Bay – Downtown Cut-off date: August 31, 2018	\$235/night—single/double \$255/night – Bay View Suite based on hotel availability ** Government Rates availableforalimitednumber of rooms.	800-774-1500 Reference: American Association for the Surgery of Trauma and World Trauma Congress Book Government Rate Rooms Limited number of rooms	5-minute walk
Porto Vista Hotel Cut-off date: August 28, 2018	\$179/night – single double	619-544-0164 Reference: American Association for the Surgery of Trauma and World Trauma Congress In the Group Code section enter: AAST9	Complimentary hotel shuttle to/from Manchester Grand Hyatt 10-minute drive (located in Little Italy neighborhood). Public transportation available. Please contact hotel for more information.

*Rates listed do not include state and local taxes

GOVERNMENT RATED ROOMS

AAST has contracted a limited number of Government rooms at the Manchester Grand Hyatt San Diego and at the Embassy Suites San Diego Bay — Downtown. To qualify for government per diem rates, guests must present a valid form of identification at check-in that consists of:

For US Federal Government Per Diem Rates:

- Personnel badge or ID card issued to US 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)
- US Military ID card issued to US Military Personnel on Official Travel

- Common Access Card (CAC) issued to US Federal Government civilian employees and US Military Personnel on Official Travel (excludes CAC cards issued to contractors and retired military)
- US Federal Government issued Visa, MasterCard or American Express Card (i.e. SmartPay Credit Card)
- Federally Funded Research and Development Center (FFRDC) identification card
- Native American Tribal Government ID card
- Canadian government or active-duty military issued ID or credit card

For State and Local Government Per Diem Rates:

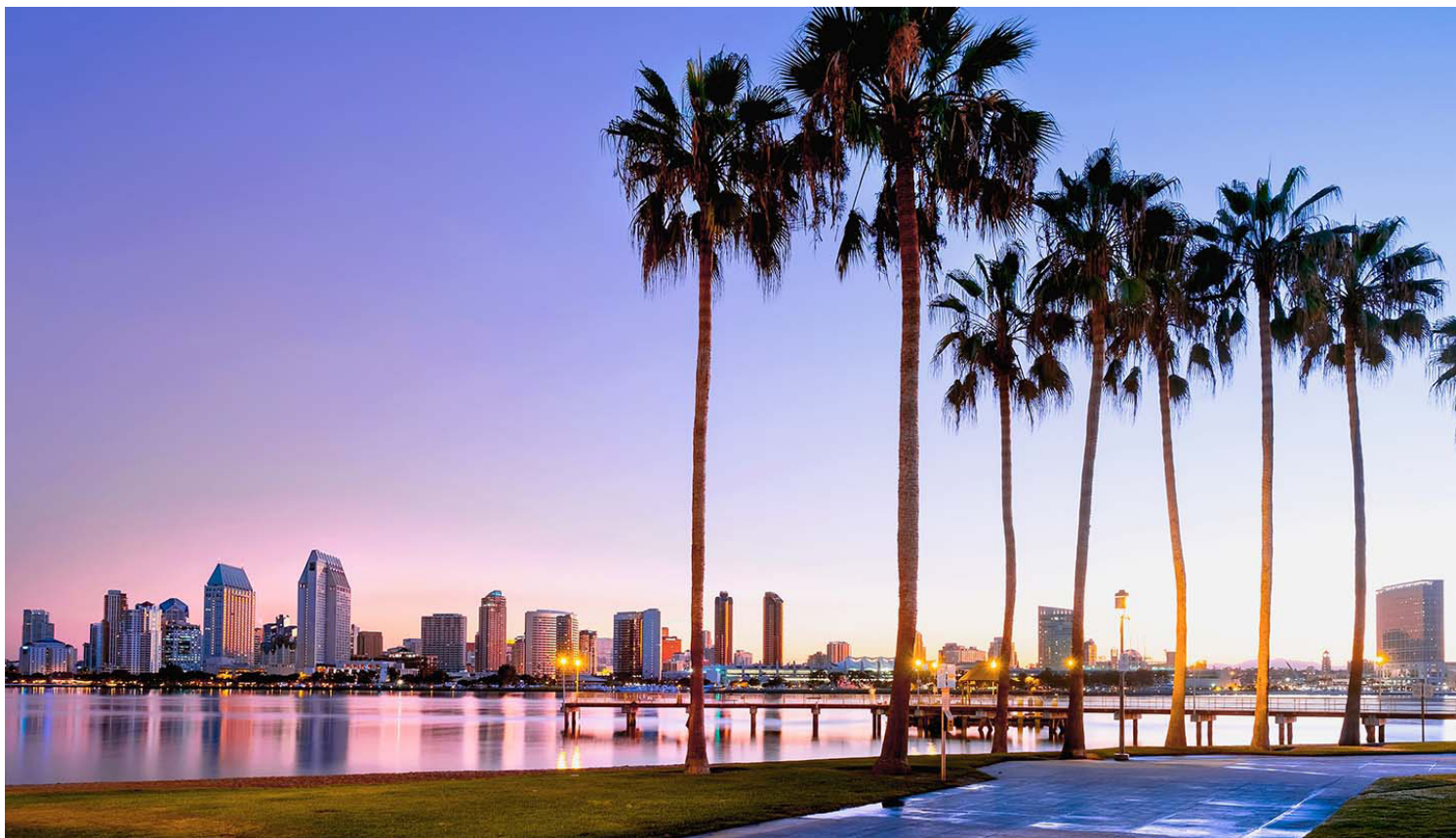
- State or local government issued personnel badge or ID card

- Official Travel orders on original state or local government letterhead

If you can meet these requirements, visit: <https://book.passkey.com/gt/216193665?gtid=e0fbf52d46d9e0b5475862d2b823c690> to reserve your government rated room at the Manchester Grand Hyatt San Diego** or visit: http://embassysuites.hilton.com/en/es/groups/personalized/S/SANDNES-ACG-20180921/index.jhtml?WT.mc_id=POG for the Embassy Suites San Diego Bay — Downtown.

** If, for some reason, you cannot provide one of these forms of identification, Manchester Grand Hyatt San Diego or the Embassy Suites San Diego Bay - Downtown will provide you the AAST Group Rate.





AIR TRANSPORTATION

AAST has arranged special meeting discounts on United Airlines. These exclusive 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: ZE6B

Agreement Code: 838205

Purchase your ticket online at united.com and receive a discount off the lowest applicable fares.

When booking online, please enter ZE6B838205 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 Manchester Grand Hyatt are approximately \$15 USD one-way.

Airport Shuttle

SuperShuttle is designated as the official airport shuttle company for the 2018 AAST Annual Meeting. Special discounts are available on round-trip reservations made online. To receive these exclusive discounts, be sure to utilize the online reservation link

<https://www.supershuttle.com/?GC=FACS1>

SuperShuttle

Discount Code: FACS1

Phone Reservations: 1-800-258-3826

Website: www.supershuttle.com

Car Rental

Avis is designated as the official car rental company for the 2018 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

Phone Reservations: 800-331-1600

AWD Number: B169699

THINGS TO DO



Go to a Padres Game!

Experience the USA Today #1 MLB ballpark with your fellow 2018 AAST Conference attendees.

Discount tickets are available in select sections to watch the San Diego Padres take on the Arizona Diamondbacks at Petco Park.

To purchase tickets visit: www.padres.com/aast and enter the password: AAST18

For more information or to purchase groups of 10 or more please contact Logan Washburn at 619.795.5137 or lwashburn@padres.com

Stroll through Balboa Park

Ever changing. Always amazing. Where culture, science, and nature collide, Balboa Park is home to more than 16 museums, multiple performing arts venues, lovely gardens, trails, and many other creative and recreational attractions, including the San Diego Zoo. Marvel at its beautiful Spanish Colonial Revival architecture. With a variety of cultural institutions among its 1,200 beautiful and lushly planted acres, there is something for everyone.

The Balboa Park grounds are open 24 hours a day, the visitors center is open 9:30 a.m.-4:30 p.m. daily, and museum hours vary by institution.

Telephone 619.239.0512

Visit <https://www.balboapark.org/> for more information on Balboa Park.

Have a wild time at the zoo



The San Diego Zoo is known for its lush, naturalistic habitats and unique animal encounters and is home to more than 3,700 rare and endangered animals representing approximately 660 species and subspecies and a prominent botanical collection with more than 700,000 plants.

The zoo is open every day of the year, including all holidays. But, hours vary so be sure to check the website at <http://zoo.sandiegozoo.org/> For ticket options and pricing visit <http://zoo.sandiegozoo.org/tickets>



REGISTRATION HOURS AND EXHIBITOR INFO

SATELLITE REGISTRATION: HOTEL LOBBY Near Market One

Tuesday, September 25, 2018 — 11:00am – 7:00pm

REGISTRATION WILL BE IN THE SEAPORT FOYER Second Level, Seaport Tower

Wednesday, September 26, 2018 — 6:30am – 5:00pm

Thursday, September 27, 2018 — 7:00am – 4:00pm

Friday, September 28, 2018 — 7:00am – 3:00pm

Saturday, September 29, 2018 — 7:30am – 10:00am (if needed)



Please note there are two registration locations: one for Tuesday and one for Wednesday-Saturday.

2018 AAST ANNUAL MEETING EXHIBITORS

(As of July 10, 2018)

- ◆ Acell, Inc.
- ◆ ACS Committee on Trauma
- ◆ American Trauma Society
- ◆ Cerus Corporation
- ◆ Coalition for National Trauma Research
- ◆ CSL Behring
- ◆ DePuy Synthes
- ◆ Enova Illumination
- ◆ **Envision Physician Services**
- ◆ Haemonetics
- ◆ Instrumentation Laboratory
- ◆ Journal of Trauma & Acute Care Surgery
- ◆ KLS Martin
- ◆ Medicus Healthcare Solutions
- ◆ **OptiScan Biomedical**
- ◆ Pediatric Trauma Society
- ◆ PolyNovo North America
- ◆ Prytime Medical Devices, Inc.
- ◆ SIG Medical
- ◆ Society of American Gastrointestinal and Endoscopic Surgeons (SAGES)
- ◆ Society of Trauma Nurses
- ◆ SSM Health
- ◆ Starsurgical, Inc.
- ◆ Synapse Biomedical
- ◆ T6 Health Systems
- ◆ Trauma Center Association of America
- ◆ Trauma Surgery and Acute Care Open (TSACO)
- ◆ US Army Health Care Recruiting
- ◆ US Navy Recruiting Command
- ◆ Vericel Corporation
- ◆ Wolters Kluwer
- ◆ Z-Medica
- ◆ Zimmer Biomet

◆ **2018 BRONZE SPONSOR**

EXHIBITOR HOURS

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

CONTESTS

PASSPORT TO PRIZES

Want an easy way to get free registration and hotel accommodations for an upcoming AAST Annual Meeting?!? Two 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 get your passport card stamped by the exhibitors! Cards are included in your welcome package, but can also be picked up in front of the exhibit hall. Just fill out the contact information on your passport card, have it stamped by participating exhibitors, and turn your card in at the marked area!

This grand prize includes: One 2019 or 2020 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.

APP CONTEST FOR ALL ATTENDEES!

Win a Nike Apple Watch!

The AAST Scavenger Hunt is bigger than ever! This year, attendees can participate in an in-person digital scavenger hunt around the Manchester Grand Hyatt for prizes. QR codes will be posted around the areas of the AAST Annual Meeting, the World Trauma Congress, and at special events. You'll earn points for exploring the meeting, and you can compete against other attendees! The competition ends when the Annual Meeting ends.

To play:

1. Explore the Annual Meeting! Visit exhibitors or stop by the information desk to find hidden QR codes.
2. Once you find the QR codes, scan them into the Annual Meeting App.
3. After the meeting, we will announce the winner on social media and on the AAST website!



GO GREEN IN 2018!

In an effort to “Go Green,” AAST no longer provides hard copies of the Annual Meeting program book. A digital copy will be available on the AAST website in advance of the meeting. In addition, the entire program will be available through the AAST Annual Meeting App.

If you would like to receive a hard copy of the program book you may purchase one for \$25 by selecting “add program book” on your registration form.

A limited number of books will be available for purchase at the Info Desk during the meeting and will be sold on a first come, first served basis.

SCHEDULE AT A GLANCE

MONDAY, SEPTEMBER 24

4:00-7:00 pm

AAST Board of Managers Meeting

TUESDAY, SEPTEMBER 25

7:00 am-12:00 pm

AAST Board of Managers Meeting

8:00 am-5:00 pm

TOPIC Course sponsored by STN (separate registration fee)

11:00 am-7:00 pm

Registration

1:00-5:00 pm

Presession: Acute Care Surgery Clinical Outcomes Research

1:00-5:00 pm

Presession: Military/International Presession

1:00-5:00 pm

Presession: Pediatric/Prevention Presession

1:00-5:00 pm

Presession: SAGES/ACS Presession

1:00-5:30 pm

Presession: AAST ACS-MOC Session

5:00-6:30 pm

Networking Reception (must be registered for a Presession to attend)

6:30-9:30 pm

President's Reception/Dinner - Invite only

WEDNESDAY, SEPTEMBER 26

6:00 am-5:00 pm

Registration

6:15-7:15 am

International Breakfast (registration required)

Speaker: Ingo Marzi, MD,

LOCAL AND SYSTEMIC INFLAMMATION AFTER SEVERE TRAUMA-CURRENT UNDERSTANDING AND CLINICAL IMPLICATIONS

International Panel of Experts

6:15-7:15 am

COMMITTEE MEETINGS - SESSION I

Patient Assessment Committee

Research and Education Fund Committee

Geriatric/ACS Trauma Committee

Critical Care Committee

Journals Oversight Committee

7:00-8:30 am

Continental Breakfast

7:30-8:00 am

Opening Session

8:00-10:40 am

STN INTERNATIONAL COUNCIL MEETING/STN COMMITTEE

Track: STN

8:00-10:40 am

SESSION I: PAPERS I-8 PLENARY

Track: AAST

Moderator: Michael Rotondo, MD **Recorder:** Patrick Reilly, MD

PAPER I 8:00 AM ACS-COT VERIFICATION LEVEL AFFECTS TRAUMA CENTER MANAGEMENT OF PELVIC RING INJURIES AND PATIENT MORTALITY

Presenter: Bryant Oliphant, MD, MBA **Discussant:** Todd Costantini, MD

SCHEDULE AT A GLANCE

PAPER 2 8:20 AM KETAMINE INFUSION FOR PAIN CONTROL IN ADULT PATIENTS WITH MULTIPLE RIB FRACTURES: RESULTS OF A RANDOMIZED CONTROLLED TRIAL

Presenter: Thomas Carver, MD **Discussant:** David Spain, MD

PAPER 3 8:40 AM CLEARING THE CERVICAL SPINE FOR PATIENTS WITH DISTRACTING INJURIES: AN AAST MULTI-INSTITUTIONAL TRIAL

Presenter: Abid Khan, MD **Discussant:** Kenji Inaba, MD

PAPER 4 9:00 AM THE EFFECTIVENESS OF THE 1994-2004 FEDERAL ASSAULT WEAPONS BAN IN CONTROLLING MASS SHOOTING DEATHS: ANALYSIS OF OPEN-SOURCE DATA

Presenter: Charles DiMaggio, MPH, PhD **Discussant:** Ernest Moore, MD

PAPER 5 9:20 AM NATIONWIDE ANALYSIS OF RESUSCITATIVE ENDOVASCULAR BALLOON OCCLUSION OF THE AORTA (REBOA) IN CIVILIAN TRAUMA

Presenter: Bellal Joseph, MD **Discussant:** Megan Brenner, MD, MSc

PAPER 6 9:40 AM MORTALITY OUTLIER HOSPITALS AND IMPROVING THE QUALITY OF CARE IN EMERGENCY GENERAL SURGERY

Presenter: Robert Becher, MD **Discussant:** Shahid Shafi, MD, MPH, MBA

PAPER 7 10:00 AM VARIATION IN MISSED READMISSIONS AFTER APPENDICITIS: NATIONAL ANALYSIS INCLUDING READMISSION TO A DIFFERENT HOSPITAL

Presenter: Rishi Rattan, MD **Discussant:** Christopher Dente, MD

PAPER 8 10:20 AM MANAGEMENT OF ADHESIVE SMALL BOWEL OBSTRUCTION: A DISTINCT PARADIGM SHIFT IN THE UNITED STATES

Presenter: Kazuhide Matsushima, MD **Discussant:** Martin Zielinski, MD

10:40-11:40 am

Track: WTC

SESSION II: WTC PANEL I HEMORRHAGE CONTROL FOR COMPLEX PELVIC FRACTURES

Moderators: Ingo Marzi, MD and Clay Cothren Burlew, MD

Panelists: Ingo Marzi, MD, *Role of Fixation*; Clay Cothren Burlew, MD, *Role of Pelvic Packing*; Ryosuke Usui, MD, *Role of Endovascular Techniques*

Break

11:40-11:50 am

11:50 am-12:50 pm

Track: AAST

SESSION III: AAST'S PRESIDENT'S ADDRESS: MICHAEL F. ROTONDO, MD

EXECUTE ON THE VISION: PYRAMIDS AND MIRAGES IN SHIFTING SANDS

1:00-5:00 pm

Track: STN

BACK TO BASICS: THE NUTS AND BOLTS OF BUILDING YOUR TRAUMA CENTER

Speakers: Susan Auerbach, MSH, RHIA, Cindy Blank Reid, MNS, RN, Heidi Hotz, BSN, RN, Sean Elwell, MSN, RN, Sarah Mattock, MSN, RN & Linda Reinhart, MSN, RN

- A. Basic Trauma Registry Needs
- B. Leadership Skills
- C. Starting a Performance Improvement Program
- D. Nursing and Physician Education Standards

SCHEDULE AT A GLANCE

1:00-2:15 pm

SESSION IV: AAST LUNCH SESSIONS 1-6 (Ticketed Event)

HOW TO PLAN A SUCCESSFUL PEER-REVIEWED MANUSCRIPT: AVOIDING ERRORS BEFORE SUBMISSION

SBO: OR BEFORE SUNSET OR LET THE SUN SET?

SIMULATION TRAINING FOR CIVILIAN AND MILITARY TRAUMA: ADVANCES AND CHALLENGES

CONTROVERSY OR COMMON-SENSE? REGIONALIZATION OF EMERGENCY GENERAL SURGERY

GRASSROOTS LEGISLATIVE ADVOCACY: A STORY IS WORTH 181 VOTES "THE WORLD IS RUN BY THOSE WHO SHOW UP"

POST INTENSIVE CARE SYNDROME (PICS), THE UNDERAPPRECIATED ICU MORBIDITY

2:00-2:15 pm

Break in Exhibit Hall

2:15-4:55 pm

Track: AAST

SESSION V: PAPERS 9-16 TRAUMA SYSTEMS

Moderator: Martin Croce, MD **Recorder:** Robert Winchell, MD

PAPER 9 2:15 PM SHOULD THEY STAY OR SHOULD THEY GO? WHO BENEFITS FROM INTERFACILITY TRANSFER TO A HIGHER LEVEL TRAUMA CENTER FOLLOWING INITIAL PRESENTATION FROM A LOWER LEVEL TRAUMA CENTER

Presenter: Christopher Tignanelli, MD **Discussant:** Jason Sperry, MD, MPH

PAPER 10 2:35 PM DEVELOPMENT OF A GIS-BASED APPROACH FOR THE QUANTITATIVE ANALYSIS OF TRAUMA CENTER ACCESS

Presenter: Robert Winchell, MD **Discussant:** Frederick Rogers, MD

PAPER 11 2:55 PM AVOIDING CRIBARI GRIDLOCK 2: THE STANDARDIZED TRIAGE ASSESSMENT TOOL (STAT) OUTPERFORMS THE CRIBARI MATRIX METHOD (CMM). A REPLICATION STUDY IN 35 ADULT AND PEDIATRIC TRAUMA CENTERS.

Presenter: Jacob Roden-Foreman, BA **Discussant:** James Davis, MD

PAPER 12 3:15 PM EFFECT OF DAMAGE CONTROL LAPAROTOMY ON MAJOR ABDOMINAL COMPLICATIONS AND LENGTHS OF STAY: A PROPENSITY SCORE MATCHING AND BAYESIAN ANALYSIS

Presenter: John Harvin, MD **Discussant:** Peter Rhee, MD, MPH

PAPER 13 3:35 PM TRAUMA SYSTEM RESOURCE PRESERVATION: A SIMPLE SCENE TRIAGE TOOL CAN REDUCE HELICOPTER EMERGENCY MEDICAL SERVICES (HEMS) OVER-UTILIZATION IN A STATE TRAUMA SYSTEM

Presenter: Pascal Udekwa, MD, MBA **Discussant:** Mark Gestring, MD

PAPER 14 3:55 PM LONG-TERM OUTCOMES AFTER SINGLE-LOOK TRAUMA LAPAROTOMY: A LARGE POPULATION-BASED STUDY

Presenter: Jason Bowie, MD **Discussant:** Adil Haider, MD, MPH

PAPER 15 4:15 PM PRE-HOSPITAL TOURNIQUET USE IN PENETRATING EXTREMITY TRAUMA: DECREASED BLOOD TRANSFUSIONS AND LIMB COMPLICATIONS

Presenter: Alison Smith, MD, PhD **Discussant:** Joseph DuBose, MD

PAPER 16 4:35 PM WHAT IS THE BEST SURGICAL MANAGEMENT FOR DUODENAL TRAUMA? A PANAMERICAN TRAUMA SOCIETY (PTS) MULTI-CENTER TRIAL

Presenter: Paula Ferrada, MD **Discussant:** Gregory Jurkovich, MD

SCHEDULE AT A GLANCE

5:00-6:00 pm
Track:WTC

SESSION VI: WTC PANEL II

TRAUMATIC COAGULOPATHY: IS IT ALL THE SAME?

Moderators: Yasuhiro Otomo, MD, PhD and Mitchell Cohen, MD

Panelists: Radko Komadina, MD, European Bleeding Guidelines; DIC or Trauma-Induced Coagulopathy: Western Perspectives: Bryan Cotton, MD

Eastern Perspective: Yasuhiro Otomo, MD, PhD

EXHIBITS OPEN/WELCOME RECEPTION

5:00-7:30 pm

6:00-7:30 pm
Track:AAST/WTC

SESSION VII: AAST/WTC POSTERS

SESSION I: TRAUMA SYSTEMS: Brian Eastridge, MD and Joseph Rappold, MD

SESSION II: NEUROTRAUMA: Jose Pascual, MD and William Chiu, MD

SESSION III: REBOA: Erik Barquist, MD and Joseph DuBose, MD

SESSION IV: PEDIATRIC TRAUMA: Richard Falcone, MD and David Nortrica, MD

SESSION V: IMAGING: Stephen Barnes, MD and Jay Doucet, MD, MSc

SESSION VI: CRITICAL CARE: Pauline Park, MD and Christopher Michetti, MD

SESSION VII: MILITARY: Joseph Galante, MD and Jennifer Gurney, MD

SESSION VIII: COAGULATION: Grant Bochicchio, MD and Jay Johannigman, MD

SESSION IX: GERIATRIC: Anne Mosenthal, MD and Jay Yelon, MD

SESSION X: FIREARM/PREVENTION: Kimberly Joseph, MD and Keith Clancy, MD

SESSION XI: EGS: Marie Crandall, MD, MPH and Ajai Malhotra, MD

SESSION XII: ABDOMINAL INJURY: Juan Duchesne, MD and Robert Mackersie, MD

SESSION XIII: OUTCOMES: Daniel Holena, MD and Michel Aboutanos, MD

SESSION XIV: TORSO TRAUMA: David Livingston, MD and David Blake, MD

WTC SESSION I: INTERNATIONAL TRAUMA CARE: Peep Talving, MD and Walter Biffl, MD

WTC SESSION II: CHALLENGING CASES FROM AROUND THE WORLD: Marcelo Ribeiro, MD and Mayur Narayan, MD

JTACS EDITORIAL BOARD MEETING

6:30-8:00 pm

8:00-10:00 pm

JTACS RECEPTION - INVITE ONLY

THURSDAY, SEPTEMBER 27

6:15-7:15 am

MEDICAL STUDENT/RESIDENT/IN-TRAINING FELLOW BREAKFAST (Ticketed Event)

Moderator and Speaker: Martin Croce, MD, AAST President Elect

6:15-7:15 am

COMMITTEE MEETINGS - SESSION II

International Relations Committee

Pediatric Trauma Surgery Committee

Communications Committee

Acute Care Surgery Committee

Disaster Committee

Healthcare Economics Committee

Palliative Care Ad Hoc Committee

SCHEDULE AT A GLANCE

6:15-7:30 am

Track: WTC

SESSION DETAIL ON
PAGE 40

SESSION VIII: WTC I SESSIONS

Each session includes one 12 minute keynote and five 8 minute abstracts

WTC 1 RESUSCITATION Sponsored by Australasian Trauma Society

Moderators: John Cook-Jong Lee, MD, PhD and Michael Parr, MD

Keynote: Michael Parr, MD, Management of Traumatic Cardiac Arrest

WTC 2 QUALITY Sponsored by the Eastern Association for the Surgery of Trauma

Moderators: Michel Aboutanos, MD and Bruce Crookes, MD

Keynote: Bruce Crookes, MD, Quality in Trauma Care: Navigating the Perfect Storm

WTC 3 INNOVATIVE CARE Sponsored by Japanese Association for the Surgery of Trauma

Moderators: Hayato Kurihara, MD and Takahiro Kinoshita, MD

Keynote: Takahiro Kinoshita, MD, Hybrid ER

WTC 4 CRITICAL CARE Sponsored by PanAmerican Trauma Society

Moderators: Ajai Malhotra, MD and Akio Kimura, MD

Keynote: Thomas Scalea, MD, Acute Resuscitation Unit: Added Value Over ICU?

WTC 5 POLYTRAUMA/ORTHO Sponsored by German Trauma Society (DGU)

Moderators: Marius Keel, MD and Bertil Bouillon, MD

Keynote: Bertil Bouillon, MD, S3 Polytrauma Guideline Germany

WTC 6 GERIATRICS Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Ingo Marzi, MD and Christoph Josten, MD

Keynote: Christoph Josten, MD, The New Classification of Fragility Fractures of the Pelvis

WTC 7 EMERGENCY GENERAL SURGERY Sponsored by World Society of Emergency Surgery (WSES)

Moderators: Mauro Zago, MD and Salomone Di Saverio, MD

Keynote: Salomone Di Saverio, MD, Acute Appendicitis GL

6:15-7:30 am

Track: STN

INTERNATIONAL NURSING PANEL - TRAUMA CARE IN MY CORNER OF THE WORLD

Moderator: Knut Magne Kolstadbraaten, RN

Europe, South America, Asia, Africa, Oceania, North America

7:00 am-3:00 pm

Exhibits Open

7:00-8:30 am

Continental Breakfast in Exhibit Hall

7:00 am-4:00 pm

Registration Open

7:00 am-5:00 pm

Donor Lounge Open

7:30-8:30 am

Track: STN

A WORLD WIDE ISSUE - FAMILY VIOLENCE

Presenter: Helen Jowett, RN, Australian Trauma Nurses

7:30-8:50 am

Track: AAST

SESSION IX: PAPER 17-20 PLENARY SESSION

Moderator: R. Lawrence Reed, MD **Recorder:** Preston Miller, MD

PAPER 17 7:30 AM THE ECONOMIC FOOTPRINT OF ACUTE CARE SURGERY IN THE UNITED STATES: IMPLICATIONS FOR SYSTEMS DEVELOPMENT

Presenter: Kristan Staudenmayer, MD, MSc **Discussant:** David Hoyt, MD

8:30-9:30 am

Track: STN

8:50-10:00 am

10:00-11:00 am

Track: STN

10:00-10:30 am

Track: AAST

10:30-10:45 am

10:45-11:15 am

Track: AAST

11:15 am-12:15 pm

Track: WTC

12:15-1:30 pm

12:30-1:30 pm

Track: WTC

PAPER 18 7:50 AM *HOW MUCH GREEN DOES IT TAKE TO BE ORANGE? DETERMINING COST ASSOCIATED WITH TRAUMA CENTER READINESS*

Presenter: Dennis Ashley, MD **Discussant :** John Fildes, MD

PAPER 19 8:10 AM *MEDICAID EXPANSION ASSOCIATED WITH INCREASED ACCESS TO POST-DISCHARGE CARE FOR TRAUMA PATIENTS*

Presenter: John Scott, MD, MPH **Discussant :** Andrew Bernard, MD

PAPER 20 8:30 AM *ASSOCIATION BETWEEN LENGTH OF STAY AND ACCESS TO POST-ACUTE CARE: CHALLENGES WITH DISPOSITION AND THE IMPACT ON INPATIENT COSTS*

Presenter: Lisa Knowlton, MD, MPH **Discussant :** Jay Doucet, MD, MSc

INJURY-A NEGLECTED GLOBAL HEALTH PRIORITY

Speaker: Rochelle Dicker, MD

SESSION X: AAST PANEL

HOW SHOULD WE POSITION ACUTE CARE SURGERY IN THE LANDSCAPE OF HEALTHCARE ECONOMICS?

Moderators: Joseph Minei, MD, MBA and Kristan Staudenmayer, MD, M.Sc.

Topics: Setting the Stage - US Economics Trends, The Devil is in the Details - What is Affecting Our Practice Now, and Local Economics-Advocating Value and Meeting Local Need

NEURO TRAUMA CARE-THE AMAZING RACE TO SAVE LIVES

Presenter: Linda Littlejohns, MSN, RN, CNRN, FAAN

SESSION XI: AAST RESEARCH SCHOLARSHIP PRESENTATIONS

Break in Exhibit Hall

SESSION XII: MASTER SURGEON LECTURE I - IAN CIVIL, MD

A Long Run for a Short Slide: A Story of Trauma Care in New Zealand

SESSION XIII: WTC PANEL III - PRO/CON DEBATE

Moderators: Ari Leppaniemi, MD, PhD and Zsolt Balogh, MD, PhD

LAPAROSCOPY IN TRAUMA

Pro: Selman Uranus, MD **Con:** David Feliciano, MD

GRADE IV SPLENIC INJURY WITH BLUSH

Splenectomy: Andrew Peitzman, MD **Angio Embolization:** Federico Coccolini, MD

Lunch in Exhibit Hall (Lunch for purchase in Exhibit Hall)/Break

SESSION XIV: WTC POWER SESSIONS

(purchase lunch in exhibit hall, head to sessions)

WTC PSI *HOW GOOD CAN HIGHLY PERFORMING TRAUMA SYSTEMS GET?*

Sponsored by Australasian Trauma Society

Panelists: Michael Parr, MD; Ian Civil, MD; Zsolt Balogh, MD; Li Hsee, MD

SCHEDULE AT A GLANCE

WTC PS2 UNDERSTANDING EAST PRACTICE MANAGEMENT GUIDELINES AND PRACTICAL TIPS TO ADAPTING AT YOUR HOSPITAL Sponsored by the Eastern Association for the Surgery of Trauma

Panelists: Elliott Haut, MD, PhD, A 20-year history of EAST's Practice Management Guidelines; John Como, MD, Current Role of EAST's Practice Management Guidelines; Nicole Fox, MD, MPH, Evaluation and Management of Blunt Trauma Aortic Injury: An EAST PMG; Mayur Patel, MD, MPH, Cervical Spine Collar Clearance in the Obtunded Adult Blunt Trauma Patient: An EAST PMG

WTC PS3 DCIR AND REBOA Sponsored by Japanese Association for the Surgery of Trauma (JAST)

Panelists: Tomohiro Funabiki, MD, PhD, What is DCIR? (Damage Control Interventional Radiology); Yosuke Matsumura, MD, PhD, Small profile, partial occlusion, undelayed but short occlusion: REBOA registry in Japan; Taichiro Tsunoyama, MD, PhD, Review of all cases using REBOA: A single-center experience from Tokyo for five years; Takayuki Ogura, MD, PhD, Traumatic bleeding severity score (TBSS) guided initiation of REBOA as a Damage Control Strategy; for the right patient, at the right timing, and in the right way

WTC PS4 ACS EDUCATION PROGRAM IN ASIA (JSACS/KSACS) Sponsored by the Japanese Society for Acute Care Surgery/The Korean Society for Acute Care Surgery

Panelists: Jae Hun Kim, MD, ACS resident program in Korea, Yashurio Otomo, MD, PhD, ACS Board Certified Surgeon in Japan, Tay Wee Ming, MD Training program in Singapore, Li-Chien Chien, MD, ACS Program in Taiwan

WTC PS5 HOT TOPICS IN TRAUMA Sponsored by SBAIT - Brazilian Trauma Society

Panelists: Marcelo Ribeiro, MD, Enterotransmural Fistula Management; Diogo Garcia, MD, Rib Fixation; Carlos Menegozzo, MD, Laparoscopy in Trauma; Jose Cruvinel, MD, Thoracoscopy in Trauma

WTC PS6 HOW TO ORGANIZE TRAUMA CARE IN ICU Sponsored by ESTES/IATSIC

Moderator: Kenneth Boffard, MD **Panelists:** Barbara Haas, MD, The Parallel Universe of ICU: Consequences for Trauma in the ICU; Felco Hietbrink, MD, Intermediate care, cost effective alternative for ICU care in Selected Patients; Karen Brasel, MD, MPH, Trauma ICU in the US - the role of the surgeon; Kenneth Boffard, MD, Is ICU Viable in a Developing Country? Best for the most?

WTC PS7 DID YOU THINK YOU HAD SEEN IT ALL? UNUSUAL CASES AND DISCUSSION WITH PANEL (YOU MIGHT BE ON IT!) Sponsored by ESTES/IATSIC

Moderator: Christine Gaarder, MD, PhD **Panelists:** Scott D'Amours, MD, Blunt TBI; Peep Talving, MD, Christine Gaarder, MD, PhD

WTC PS8 SHORT CLINICAL UPDATES BY THE EXPERTS - WHAT IS NEW AND IMPORTANT

Sponsored by ESTES/IATSIC

Moderator: Luke Leenen, MD **Panelists:** Paal Naess, MD, Pelvic Injuries - the role for EPP?; Adam Brooks, MD, Pancreatic Injuries - to resect or not?; Luke Leenen, MD, Chest Injuries - to fixate or not?; Rajan Gupta, MD, DCS in Trauma - under vs overuse?; David Zonies, MD, Role of ECMO in Trauma in the Future; Martin Schreiber, MD, Thromboprophylaxis in trauma - drug, dosing, do we know what we are doing

WTC PS9 THE IMPACT OF BIG DATA AND ARTIFICIAL INTELLIGENCE ON SURGICAL INNOVATION, FROM THE VIEW OF TRAUMA SURGEONS. Sponsored by Chang Gung Memorial Hospital

Moderator: Chi-Hsun Hsieh, MD, PhD **Panelists:** Chih-Yuan Fu, MD, Chien-Hung Liao, MD, Shang-Yu Wang, MD

12:30-1:30 pm

Track: STN

INTERNATIONAL NURSING PANEL - CARING FOR THE WORLD'S AGING POPULATION

Moderator: Knut Magne Kolstadbraaten, RN

1:30-4:30 pm

Track: AAST

SESSION XVA: PAPERS 21-29: PARELLEL SESSION

Moderator: Deborah Kuhls, MD **Recorder:** Christine Cocanour, MD

PAPER 21 1:30 PM PEDIATRIC FIREARM INCIDENTS: IT'S TIME TO DECREASE ON-SCENE MORTALITY **Presenter:** Jessica Friedman, MD **Discussant :** TBD

PAPER 22 1:50 PM EFFECT OF MASS SHOOTINGS ON GUN SALES – A 20 YEAR PERSPECTIVE **Presenter:** Rachael Callcut, MD, MSPH **Discussant :** Ronald Stewart, MD

PAPER 23 2:10 PM INCREASINGLY PERMISSIVE FIREARM CARRY LEGISLATION IS ASSOCIATED WITH INCREASED FIREARM-RELATED SUICIDE RATES **Presenter:** Matthew Hernandez, MD **Discussant :** Zara Cooper, MD, MSc

PAPER 24 2:30 PM COMPARISON OF MALE AND FEMALE VICTIMS OF INTIMATE PARTNER HOMICIDE IN OPPOSITE SEX RELATIONSHIPS - AN ANALYSIS OF THE NATIONAL VIOLENT DEATH REPORTING SYSTEM **Presenter:** Catherine Velopulos, MD, MHS **Discussant :** D'Andrea Joseph, MD

PAPER 25 2:50 PM ESSENTIAL VIOLENCE INTERVENTION RESOURCES: AN UPDATE USING THE NATIONAL NETWORK OF HOSPITAL-BASED VIOLENCE INTERVENTION PROGRAM'S MULTI-INSTITUTIONAL DATABASE **Presenter:** Rochelle Dicker, MD **Discussant :** Amy Goldberg, MD

PAPER 26 3:10 PM THE GATE PROGRAM: A MULTIDISCIPLINARY INTERVENTION TO REDUCE JUVENILE GUN VIOLENCE RECIDIVISM AND POTENTIAL MODEL FOR NATIONWIDE EXPANSION **Presenter:** Hahn Soe-Lin, MD, MS **Discussant :** Rochelle Dicker, MD

PAPER 27 3:30 PM USE OF SHOTSPOTTER™ DETECTION TECHNOLOGY DECREASES TRANSPORT TIME FOR PATIENTS SUSTAINING GUNSHOT WOUNDS **Presenter:** Deviney Rattigan, MD **Discussant :** Alexander Eastman, MD, MPH

PAPER 28 3:50 PM OBSERVING PNEUMOTHORACES: THE 35 MM RULE IS SAFE FOR BOTH BLUNT AND PENETRATING CHEST TRAUMA **Presenter:** Savo Bou Zein Eddine, MD **Discussant :** Andrew Kirkpatrick, MD

PAPER 29 4:10 PM TO SLEEP, PERCHANCE TO DREAM: ACUTE AND CHRONIC SLEEP DEPRIVATION IN ACUTE CARE SURGEONS **Presenter:** Jamie Coleman, MD **Discussant :** Nicole Stassen, MD

1:30-4:30 pm

Track: AAST

SESSION XVB: PAPERS 30-38: BASIC SCIENCE

Moderator: Suresh Agarwal, MD **Recorder:** Marc deMoya, MD

PAPER 30 1:30 PM DOES A LUNG INFECTION AFTER BRAIN INJURY WORSEN EARLY BRAIN INFLAMMATION AND SUBSEQUENT NEUROLOGICAL RECOVERY? **Presenter:** Christina Jacovides, MD **Discussant :** Deborah Stein, MD, MPH

PAPER 31 1:50 PM ELECTROPORATION-MEDIATED LUNG GENE TRANSFER OF HUMAN FELINE SARCOMA RELATED (FER) TYROSINE-KINASE MOBILIZES TOLL-LIKE RECEPTOR-4 GRANULO-MONOCYTES AND IMPROVES SURVIVAL IN MURINE MODEL OF PSEUDOMONAS AERUGINOSA PNEUMONIA **Presenter:** David Machado-Aranda, MD **Discussant :** James Hoth, MD

PAPER 32 2:10 PM RED BLOOD CELL STORAGE AND ADHESION TO VASCULAR ENDOTHELIUM UNDER NORMAL OR STRESS CONDITIONS: AN IN VITRO MICROFLUIDIC STUDY **Presenter:** Lawrence Diebel, MD **Discussant :** Rosemary Kozar, MD, PhD

SCHEDULE AT A GLANCE

1:45-2:15 pm

Track: STN

2:15-2:45 pm

Track: STN

3:00-4:00 pm

Track: STN

4:00-5:00 pm

Track: STN

4:45-5:45 pm

Track: WTC

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PAPER 33 2:30 PM TRANEXAMIC ACID SUPPRESSES THE RELEASE OF MITOCHONDRIAL DAMPS AND REDUCES LUNG INFLAMMATION IN A MURINE BURN MODEL

Presenter: Damien Carter, MD **Discussant:** Carl Hauser, MD

PAPER 34 2:50 PM ENDOTHELIAL CELL DYSFUNCTION DURING ANOXIA-REOXYGENATION IS ASSOCIATED WITH A DECREASE IN ATP LEVELS, REARRANGEMENT IN LIPID BILAYER PHOSPHATIDYL SERINE ASYMMETRY, AND AN INCREASE IN ENDOTHELIAL CELL PERMEABILITY

Presenter: Javid Sadjadi, MD **Discussant:** Timothy Pritts, MD

PAPER 35 3:10 PM SELECTIVE AORTIC ARCH PERFUSION WITH FRESH WHOLE BLOOD OR HBOC-201 EFFECTIVELY REVERSES HEMORRHAGE-INDUCED TRAUMATIC CARDIAC ARREST IN A LETHAL MODEL OF NON-COMPRESSIBLE TORSO HEMORRHAGE

Presenter: Heather Hoops, MD **Discussant:** Samuel Tisherman, MD

PAPER 36 3:30 PM DOES BLOOD TRANSFUSION PRESERVE THE GUT MICROBIOME (GM) AFTER TRAUMA? A PROSPECTIVE, CLINICAL STUDY IN SEVERELY INJURED PATIENTS

Presenter: Susannah Nicholson, MD, MSc **Discussant:** Mitchell Cohen, MD

PAPER 37 3:50 PM PRECIOUS CARGO: NEURO-ENTERIC MODULATION OF THE MESENTERIC LYMPH EXOSOME PAYLOAD AFTER HEMORRHAGIC SHOCK

Presenter: Elliott Williams, MD **Discussant:** Jason Smith, MD

PAPER 38 4:10 PM ACUTE RESUSCITATION WITH POLYETHYLENE GLYCOL-20K:A THROMBOELASTOGRAPHIC ANALYSIS

Presenter: Niluka Wickramaratne, MD, BS **Discussant:** Jeremy Cannon, MD

COORDINATION MECHANISMS IN THE TRAUMA ATTENTION ROUTE: A COMPETENCE OF NURSING CARE

Consuelo Burbano, PhD, RN, Darly Arango, RN, Saray Cuesta, RN, Hana Munoz, RN, Karol Torres, RN

INTERNATIONAL NURSES EXPERIENCE WITH AMERICAN COLLEGE OF SURGEONS COMMITTEE ON TRAUMA VERIFICATION PROCESS: A PILOT PROJECT

Jessica Badillo, MSN, RN, Lisa Falcon, MSN, RN, TCRN, NE-BC, Gregory Peck, MD

LIFE AFTER TRAUMA: REHABILITATION AND AFTERWARDS

Speaker: Jerome Stenehjem, MD

STN RECEPTION - NURSES ONLY

SESSION XVI: WTC II SESSIONS

Each session includes one 12 minute keynote and five 8 minute abstracts

WTC 8 RESEARCH Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Ronald Maier, MD and Ingo Marzi, MD

Keynote: Bertil Bouillon, MD, Influence of Trauma Registry Data on Basic Research

WTC 9 SHOCK/TRANSFUSION Sponsored by The Japanese Society for Acute Care Surgery (JSACS)

Moderators: Ernest Moore, MD and Yasuhiro Otomo, MD, PhD

Keynote: Yasuhiro Otomo, MD, PhD, Traumatic Coagulopathy

6:30-9:30 pm

WTC I0 PREVENTION/OUTCOMES Sponsored by SBAIT - Brazilian Trauma Society

Moderators: Rochelle Dicker, MD and Gustavo Fraga, MD, PhD

Keynote: Gustavo Fraga, MD, PhD, "Yellow May" - Trauma Prevention Program

WTC I1 TRAUMA SYSTEMS Sponsored by Chinese Medical Doctor Association Trauma Committee (CMDATC)

Moderators: Marc deMoya, MD and Xiao-Bing Fu, MD

Keynote: Lian-Yang Zhang, MD, Trauma System Development in China

WTC I2 THORACIC/VASCULAR Sponsored by Austrian Council for Emergency Medicine (AGN)

Moderators: Luke Leenen, MD and Paul Puchwein, MD

Keynote: Paul Puchwein, MD, Emergency Thoracotomy in Preclinical Setting-An Advantage of Physician Based EMS

WTC I3 EMERGENCY GENERAL SURGERY Sponsored by World Society of Emergency Surgery

Moderators: Carlos Mesquita, MD and Federico Coccolini, MD

Keynote: Federico Coccolini, MD, Acute Cholecystitis GL

SAN DIEGO NIGHT, USS MIDWAY RECEPTION AND TOUR - OPTIONAL (Ticketed Event)

FRIDAY, SEPTEMBER 28

6:15-7:15 am

COMMITTEE MEETINGS - SESSION III

MILITARY LIAISON COMMITTEE

PREVENTION COMMITTEE

MULTI-INSTITUTIONAL TRIALS COMMITTEE

ACS PROGRAM DIRECTORS COMMITTEE MEETING

EDUCATION/CME COMMITTEE

REIMBURSEMENT/CODING COMMITTEE

6:15-7:15 am

[Track:WTC](#)

**SESSION DETAIL ON
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SESSION XVII: WTC III SESSIONS

Each session includes one 12 minute keynote and five 8 minute abstracts

WTC I4 CRITICAL CARE Sponsored by Australasian Trauma Society

Moderators: Koji Morishita, MD and Zsolt Balogh, MD, PhD

Keynote: Zsolt Balogh, MD, PhD Understanding Post Injury Inflammation for Better Timing of Definitive Surgical Intervention in Polytrauma

WTC I5 PREVENTION Sponsored by Eastern Association for the Surgery of Trauma (EAST)

Moderators: Jose Mauro da Silva Rodrigues, MD and Nicole Stassen, MD

Keynote: Nicole Stassen, MD, A New Frontier in Firearm Injury

WTC I6 ABDOMINAL TRAUMA Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Jungchui Kim, MD and Ari Leppaniemi, MD, PhD

Keynote: Ari Leppaniemi, MD, PhD, Nonoperative Management of Solid Abdominal Organ Injuries

WTC I7 GUIDELINES/OUTCOMES Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Yoshinori Murao, MD and Rado Komadina, MD

Keynote: Radko Komadina, MD, European Bleeding Guidelines

SCHEDULE AT A GLANCE

7:00-8:30 am

7:00 am-3:00 pm

7:00 am-2:00 pm

7:00 am-4:00 pm

7:30-9:30 am

Track: AAST

9:30-9:45 am

9:45-10:45 am

Track: AAST

WTC 18 EDUCATION Sponsored by SBAIT - Brazil Trauma Society

Moderators: Mamta Swaroop, MD and Gustavo Fraga, MD, PhD

Keynote: Gustavo Fraga, MD, PhD, Trauma Leagues: A Novel Option to Attract Medical Students to a Surgical Career

WTC 19 GERIATRICS/OUTCOMES Sponsored by Japanese Association for the Surgery of Trauma (JAST)

Moderators: Amit Gupta, MD, and Takashi Fujita, MD

Keynote: Takashi Fujita, MD, Geriatric Trauma in Japan

WTC 20 SHOCK RESUSCITATION Sponsored by The Japanese Society for Acute Care Surgery (JSACS)

Moderator: Sandro Rizoli, MD, PhD and Shigeki Kushimoto, MD

Keynote: Shigeki Kushimoto, MD, Traumatic Coagulopathy

Continental Breakfast

Registration Open

Exhibits Open

Donor Lounge Open

SESSION XVIII: PAPERS 39-44: COAGULATION

Moderator: Martin Schreiber, MD **Recorder:** Sharon Henry, MD

PAPER 39 7:30 AM MICROVESICLES GENERATED FOLLOWING TRAUMATIC BRAIN INJURY INDUCE PLATELET DYSFUNCTION VIA ADP RECEPTOR

Presenter: Grace Martin, MD **Discussant:** John Holcomb, MD

PAPER 40 7:50 AM GUIDELINE-BASED CORRECTION OF PLATELET INHIBITION IN TBI PATIENTS IS ASSOCIATED WITH IMPROVED MORTALITY

Presenter: Andrew Sorah, MD **Discussant:** Michael Cripps, MD

PAPER 41 8:10 AM PLATELET DERIVED EXTRACELLULAR VESICLES ARE EQUIVALENT TO PLATELETS WITH RESPECT TO HEMOSTASIS AND VASCULAR PERMEABILITY

Presenter: Shibani Pati, MD, PhD **Discussant:** Susan Evans, MD

PAPER 42 8:30 AM TRANEXAMIC ACID AS A RISK FACTOR FOR POST-TRAUMATIC VENOUS THROMBOEMBOLISM: RESULTS FROM A PROPENSITY MATCHED COHORT STUDY

Presenter: Sara Myers, MD, MA, MS **Discussant:** Adrian Maung, MD

PAPER 43 8:50 AM 4-FACTOR PROTHROMBIN COMPLEX CONCENTRATE IMPROVES SURVIVAL IN TRAUMA: A NATIONWIDE PROPENSITY MATCHED ANALYSIS

Presenter: Muhammad Zeeshan, MD **Discussant:** Matthew Martin, MD

PAPER 44 9:10 AM DESMOPRESSIN IS A TRANSFUSION SPARING OPTION TO REVERSE PLATELET DYSFUNCTION IN PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY

Presenter: Elisa Furay, MD **Discussant:** Susan Rowell, MD

Break in Exhibit Hall

SESSION XIX: PAPERS 45-47: COAGULATION

Moderator: Raminder Nirula, MD, PhD **Recorder:** Oscar Guillaumondegui, MD

PAPER 45 9:45 AM A NOVEL PLATELET FUNCTION ASSAY FOR TRAUMA

Presenter: Mitchell George, MD **Discussant:** Jordan A. Weinberg, MD

SCHEDULE AT A GLANCE

10:55-11:55 am

PAPER 46 10:05 AM TRANEXAMIC ACID CAUSES A ROBUST AND PROLONGED FIBRINOLYTIC SHUTDOWN

Presenter: Julia Coleman, MD, MPH **Discussant :** Nicholas Namias, MD, MBA

PAPER 47 10:25 AM EARLY FIBRINOLYSIS SHUTDOWN IS ASSOCIATED WITH INCREASED NEUROSURGICAL INTERVENTIONS AFTER TRAUMATIC BRAIN INJURY: IS SHUTDOWN AN EARLY MARKER OF HYPOCOAGULABILITY RATHER THAN HYPOFIBRINOLYSIS?

Presenter: Johana Gomez-Builes, MD **Discussant :** Martin Schreiber, MD

SESSION XX: FITTS LECTURE - C. WILLIAM SCHWAB, MD
DAMAGE CONTROL AND FIREARM DEATHS: "A TALE OF TWO CITIES!"

SESSION XXI: AAST LUNCH SESSIONS (7-12) (Ticketed Event)

ESTABLISHING A TRANSLATIONAL RESEARCH CAREER IN ACUTE CARE SURGERY: EARLY, MED-, AND LATE CAREER MILESTONES

THE OPIOID EPIDEMIC: CHALLENGES FOR ACUTE CARE SURGEONS

TXA BEYOND CRASH2 - CONTROVERSIES AND THE GLOBAL PERSPECTIVE

PHYSICIAN RESILIENCE, BURNOUT AND THE WORK LIFE BALANCE

PALLIATIVE CARE 2018: IMPLEMENTING THE TQIP BEST PRACTICE GUIDELINE

THE DIFFICULT CHOLECYSTECTOMY

12:00-1:15 pm

Break in Exhibit Hall

1:15-1:30 pm

1:30-2:00 pm

Track: AAST

SESSION XXII: MASTER SURGEON LECTURE II - CHRISTINE GAARDER, MD, PHD

ADVISE, ADVANCE, SUPPORT, TEACH - THE TRUE MEANING OF AAST TO ME

SESSION XXIII: PAPERS 48 - 56

Moderator: Christoph Josten, MD **Recorder:** Andre Campbell, MD

PAPER 48 2:00 PM A NOMOGRAM PREDICTING THE NEED FOR BLEEDING INTERVENTIONS AFTER HIGH-GRADE RENAL TRAUMA: RESULTS FROM THE AMERICAN ASSOCIATION FOR THE SURGERY OF TRAUMA (AAST) GENITOURINARY TRAUMA STUDY

Presenter: Sorena Keihani, MD **Discussant :** Neil Parry, MD

PAPER 49 2:20 PM PRESUMPTIVE ANTIBIOTICS FOR TUBE THORACOSTOMY FOR TRAUMATIC HEMOPNEUMOTHORAX

Presenter: Susan Schultz, MD **Discussant :** Timothy Fabian, MD

PAPER 50 2:40 PM VASOPRESSOR USE IN SPINAL CORD INJURY INCREASES MORTALITY AND COMPLICATIONS WITHOUT IMPROVING SHORT TERM NEUROLOGIC FUNCTION

Presenter: Caitlin Fitzgerlad, MD **Discussant :** David Zonies, MD, MPH

PAPER 51 3:00 PM PREHOSPITAL END TIDAL CO₂: A SUPERIOR MARKER FOR MORTALITY RISK IN THE ACUTELY INJURED PATIENT

Presenter: Robert Willis, MD, MS **Discussant :** Saman Arbabi, MD, MPH

PAPER 52 3:20 PM PRE-INJURY PALLIATIVE PERFORMANCE SCALE (PPS) PREDICTS FUNCTIONAL OUTCOMES AT 6 MONTHS IN OLDER TRAUMA PATIENTS

Presenter: Franchesca Hwang, MD **Discussant :** Karen Brasel, MD, MPH

2:00-5:00pm

Track: AAST

SCHEDULE AT A GLANCE

2:00-5:00pm

Track: AAST

PAPER 53 3:40 PM USING PERFORMANCE FRONTIERS TO DIFFERENTIATE ELECTIVE AND CAPACITY-BASED SURGICAL SERVICES

Presenter: Stephen Ranney, MD **Discussant :** Kimberly Davis, MD, MBA

PAPER 54 4:00 PM MINIMALLY INVASIVE PREPERITONEAL BALLOON TAMPONADE AND ABDOMINAL AORTIC JUNCTIONAL TOURNIQUET VERSUS OPEN PACKING FOR PELVIC FRACTURE-ASSOCIATED HEMORRHAGE: NOT ALL EXTRINSIC COMPRESSION IS EQUAL

Presenter: Woo Do, MD **Discussant :** Clay Cothren Burlew, MD

PAPER 55 4:20 PM OUTCOMES FOR POPLITEAL ARTERY INJURY REPAIR AFTER DISCHARGE: A LARGE-SCALE POPULATION-BASED ANALYSIS

Presenter: William Butler, MD **Discussant :** David Feliciano, MD

PAPER 56 4:40 PM WITHDRAWN

SESSION XXIIIB: PAPERS 57 - 65

Moderator: M. Margaret Knudson, MD **Recorder:** Addison May, MD

PAPER 57 2:00 PM APPLICATION OF EMR-DERIVED ANALYTICS IN CRITICAL CARE: ROTHMAN INDEX PREDICTS MORTALITY AND READMISSIONS IN SURGICAL ICU PATIENTS

Presenter: Abdul Alarhaeym, MD **Discussant :** Sonlee West, MD

PAPER 58 2:20 PM PREDISPOSED TO FAILURE? THE CHALLENGE OF RESCUE IN THE MEDICAL INTENSIVE CARE UNIT

Presenter: Alexandra Briggs, MD **Discussant :** Lena Napolitano, MD, MPH

PAPER 59 2:40 PM ULTRASONOGRAPHIC IVC DIAMETER RESPONSE AFTER ONE HOUR OF TRAUMA RESUSCITATION PREDICTS 24 HOUR FLUID REQUIREMENT

Presenter: Jay Doucet, MD, MSc **Discussant :** Grace Rozycki, MD, MBA

PAPER 60 3:00 PM VENTILATOR ASSOCIATED EVENT, NOT VENTILATOR ASSOCIATED PNEUMONIA, IS A TRUE QUALITY INDICATOR

Presenter: Ashley Meagher, MD, MPH **Discussant :** Martin Croce, MD

PAPER 61 3:20 PM TRAUMA ICU PREVALENCE PROJECT (TRIPP): THE PHENOTYPE OF A TRAUMA ICU. AN AAST MULTI-INSTITUTIONAL STUDY

Presenter: Christopher Michetti, MD **Discussant :** Bryce Robinson, MD, MSc

PAPER 62 3:40 PM TWENTY-FOUR HOUR VERSUS EXTENDED ANTIBIOTIC ADMINISTRATION AFTER SURGERY IN COMPLICATED APPENDICITIS: A RANDOMIZED CONTROLLED TRIAL

Presenter: Sten Saar, MD **Discussant :** Robert Sawyer, MD

PAPER 63 4:00 PM P-SELECTIN IS CRITICAL FOR DE NOVO PULMONARY ARTERIAL THROMBOSIS FOLLOWING BLUNT THORACIC TRAUMA

Presenter: Linda Schutzman, MD **Discussant :** Alicia Mohr, MD

PAPER 64 4:20 PM HIGH PERFORMANCE EMERGENCY GENERAL SURGERY HOSPITALS: GOOD AT ONE OPERATION, GOOD AT THEM ALL

Presenter: Michael DeWane, MD **Discussant :** Avery Nathens, MD, PhD, MPH

SCHEDULE AT A GLANCE

5:00-6:30 pm

5:00-6:30 pm

Track:WTC

**SESSION DETAIL ON
PAGE 49**

7:30-10:00 pm

PAPER 65 4:40 PM THE EGS GRADING SCALE FOR SKIN AND SOFT TISSUE INFECTIONS IS PREDICTIVE OF POOR OUTCOMES :AN AAST MULTI-CENTER VALIDATION STUDY

Presenter: Stephanie Savage, MD, MS **Discussant :** Eileen Bulger, MD

AAST BUSINESS MEETING

SESSION XXIV: WTC IV SESSION

WTC 21 ABDOMINAL TRAUMA Sponsored by SBAIT - Brazilian Trauma Society

Moderators: Gennaro Perrone, MD and Tercio Campos, MD

Keynote: Tercio Campos, MD, Pancreatic Trauma

WTC 22 SHOCK/RESUSCITATION Sponsored by The Japanese Society for Acute Care Surgery (JSACS)

Moderators: Christine Gaarder, MD, PhD and Atsushi Shiraishi, MD

Keynote: Atsushi Shiraishi, MD, The Effects of TXA on Trauma

WTC 23 TRAUMA EDUCATION Sponsored by Chinese Medical Doctor Association Trauma Committee (CMDATC)

Moderator: Ashok Puranik, MD, and Lian-Yang Zhang, MD

Keynote: Lian-Yang Zhang, MD, Trauma Education in China

WTC 24 PREHOSPITAL Sponsored by JSACS/KSACS

Moderator: Susan Brundage, MD and John Cook-Jong Lee, MD, PhD

Keynote: John Cook-Jong Lee, MD, PhD, Invasive Prehospital Care

RECEPTION AND BANQUET - Ticketed event (Black tie optional)

SATURDAY, SEPTEMBER 29

7:00-10:00 am

7:30-9:00 am

7:00-8:00 am

8:00-9:00 am

Track:AAST

9:00-10:18 am

Track:AAST

Registration Open (if needed)

Continental Breakfast

New Member Breakfast (Ticketed Event)

SESSION XXV: PAPERS 66-68: PLENARY

Moderator: Eric Toschlog, MD **Recorder:** Thomas Esposito, MD, MPH

PAPER 66 8:00 AM RESILIENCE AND LONG-TERM OUTCOMES AFTER TRAUMA:AN OPPORTUNITY FOR EARLY INTERVENTION?

Presenter: Deepika Nehra, MD **Discussant :** Ben Zarzaur, MD

PAPER 67 8:20 AM CORRELATION OF ON-CALL TRAUMA SURGEON FATIGUE FLUCTUATIONS WITH BURNOUT RISK AND SURGICAL SKILL PERFORMANCE

Presenter: Brittany Lisjak, PA-C **Discussant :** Heena Santry, MD

PAPER 68 8:40 AM STOP FLAILING:THE IMPACT OF BICORTICALLY DISPLACED RIB FRACTURES ON PULMONARY OUTCOMES IN PATIENTS WITH CHEST TRAUMA - AN AAST MITC STUDY

Presenter: Lara Senekjian, MD, Msci **Discussant :** Frederic Pieracci, MD, MPH

SESSION XXVII: QS I - I- 13

Moderator: Roxie Albrecht, MD

QSI 9:00 AM THE ACA AND EMERGENCY GENERAL SURGERY CHOLECYSTECTOMIES

Presenter: Laura Godat, MD **Discussant :** Lance Stuke, MD, MPH

SCHEDULE AT A GLANCE

10:18-10:30 am

10:30 am-12:00 pm

Track: AAST

QS2 9:06 AM EMERGENCY GENERAL SURGERY IN GERIATRIC PATIENTS: HOW SHOULD WE EVALUATE HOSPITAL EXPERIENCE?

Presenter: Ambar Mehta, MPH Discussant: Jody DiGiacomo, MD

QS3 9:12 AM THE ACUTE ABDOMEN: FASTER AND SAFER WITH ACUTE CARE SURGERY

Presenter: David Jeffcoach, MD Discussant: Brandon Bruns, MD

QS4 9:18 AM OUTCOMES IN ADHESIVE SMALL BOWEL OBSTRUCTION FROM A LARGE STATEWIDE DATABASE: WHAT TO EXPECT AFTER NON-OPERATIVE MANAGEMENT

Presenter: Lyndsey Wessels, MD Discussant: Jose Diaz, MD

QS5 9:24 AM EGS PRESENTS GREATER FINANCIAL RISK THAN TRAUMA

Presenter: Andrew Bernard, MD Discussant: Oliver Gunter, MD

QS6 9:30 AM QUANTIFYING THE THOUSANDS OF LIVES LOST DUE TO POOR EMERGENCY GENERAL SURGERY (EGS) OUTCOMES: WHY WE NEED A NATIONAL EGS QUALITY IMPROVEMENT PROGRAM

Presenter: Zain Hashmi, MBBS Discussant: Angela Ingraham, MD

QS7 9:36 AM IMPACT OF A SIMPLIFIED MANAGEMENT ALGORITHM ON OUTCOME FOLLOWING EXSANGUINATING PELVIC FRACTURES: A 10-YEAR EXPERIENCE

Presenter: Richard Lewis, MD, MA Discussant: David Morris, MD

QS8 9:42 AM BLUNT SMALL BOWEL PERFORATION (SBP): A MULTICENTER UPDATE 15 YEARS LATER

Presenter: Samir Fakhry, MD Discussant: Stephen Gale, MD

QS9 9:48 AM THE NEED FOR TRAUMA INTERVENTION (NFI) DEFINES MAJOR TRAUMA MORE ACCURATELY THAN INJURY SEVERITY SCORE (ISS) AND REVISED TRAUMA SCORE (RTS): DATA FROM A COLLABORATION OF 35 ADULT AND PEDIATRIC TRAUMA CENTERS.

Presenter: Jacob Roden Foreman, BA Discussant: William Hoff, MD

QS10 9:54 AM DIAGNOSIS OF DIAPHRAGM INJURIES USING MODERN 256 SLICE CT SCANNERS: TOO EARLY TO ABANDON OPERATIVE EXPLORATION

Presenter: Rindi Uhlich, MD Discussant: David Skarupa, MD

QS11 10:00 AM HOW SAFE AND EFFECTIVE ARE SMALL-BORE CHEST TUBES AT MANAGING DELAYED Hemothoraces COMPARED TO LARGE-BORE CHEST TUBES?

Presenter: John Cordero, MD Discussant: Ali Salim, MD

QS12 10:06 AM COMPARISON OF 7 AND 11-12 FRENCH ACCESS FOR REBOA: RESULTS FROM THE AAST AORTIC OCCLUSION FOR RESUSCIATION IN TRAUMA AND ACUTE CARE SURGERY (AORTA) REGISTRY

Presenter: Joseph DuBose, MD Discussant: Michael Sise, MD

QS13 10:12 AM THE IMPACT OF IN-HOSPITAL COMPLICATIONS ON THE LONG-TERM FUNCTIONAL OUTCOMES OF TRAUMA PATIENTS: A MULTICENTER STUDY.

Presenter: Jae Moo Lee, BA Discussant: David Efron, MD

Break

SESSION XXVII: QS II - 14- 26

Moderator: Elliott Haut, MD, PhD

QS14 10:30 AM ARE YOU KIDDING? PEDIATRIC TRAUMA CENTER VERIFICATION IMPROVES OUTCOMES AT AN ADULT CENTER

Presenter: Sean Maloney, MD Discussant: David Margulies, MD

SCHEDULE AT A GLANCE

12:00-2:00 pm

QS15 10:36 AM TRAUMA OVER-TRIAGE, CONCURRENT TRAUMA ACTIVATION AND OVERLAPPING EGS SURGERY ARE NOT ASSOCIATED WITH SHORT OR LONG TERM MORTALITY IN EGS PATIENTS

Presenter: Ariel Knight, MD

Discussant : Sasha Adams, MD

QS16 10:42 AM BETA-ADRENERGIC BLOCKADE FOR TREATMENT OF TRAUMATIC BRAIN INJURY: A RANDOMIZED CONTROLLED TRIAL

Presenter: Thomas Schroepfel, MD, MS

Discussant : Bryan Cotton, MD

QS17 10:48 AM PHYSIOLOGIC IMPACT OF XSTAT 30 USE IN THE MANAGEMENT OF NON-COMPRESSIBLE TORSO HEMORRHAGE

Presenter: Alicia Bonanno, MD

Discussant : Travis Polk, MD

QS18 10:54 AM PERCENT CHANGE FROM PRE-INJURY BLOOD PRESSURE IS AN INDEPENDENT PREDICTOR OF MORTALITY IN ELDERLY TRAUMA

Presenter: Kelly Boyle, MD

Discussant : Jennifer Hubbard, MD

QS19 11:00 AM THE NLRP3 INFLAMMASOME PATHWAY LEADS TO THE LOSS OF BLOOD-BRAIN BARRIER INTEGRITY IN TRAUMATIC BRAIN INJURY

Presenter: Bobby Robinson, MD

Discussant : Mayur Patel, MD, MPH

QS20 11:06 AM OBESITY IS NOT ASSOCIATED WITH MICROVASCULAR INFLAMMATION FOLLOWING INJURY

Presenter: Robert Winfield, MD

Discussant : Carlos Brown, MD

QS21 11:12 AM THE DIVERSITY OF SURGICAL CRITICAL CARE: A REPORT OF THE TRAUMA ICU PREVALENCE PROJECT (TRIPP), AN AAST MULTI-INSTITUTIONAL STUDY

Presenter: Christopher Michetti, MD

Discussant : Panna Codner, MD

QS22 11:18 AM TEACHING HOW TO STOP THE BLEED: DOES IT WORK? A PROSPECTIVE EVALUATION OF TOURNIQUET APPLICATION IN SECURITY AND LAW ENFORCEMENT PERSONNEL

Presenter: Fahd Ali, MD

Discussant : Babak Sarani, MD

QS23 11:24 AM WHEN IS IT SAFE TO START VTE PROPHYLAXIS AFTER BLUNT SOLID ORGAN INJURY? A PROSPECTIVE STUDY FROM A LEVEL I TRAUMA CENTER

Presenter: Morgan Schellenberg, MD, MPH

Discussant : Forrest Fernandez, MD

QS24 11:30 AM THROMBOPROPHYLAXIS WITH NOVEL ORAL ANTICOAGULANTS IS ASSOCIATED WITH LOWER VENOUS THROMBOEMBOLIC EVENTS IN OPERATIVE SPINE TRAUMA

Presenter: Mohammad Hamidi, MD

Discussant : Mark Cipolle, MD, PhD

QS25 11:36 AM AMERICAN FIREARM HOMICIDES: THE IMPACT OF YOUR NEIGHBORS

Presenter: Erik Olson, MD

Discussant : Omar Danner, MD

QS26 11:42 AM IMPACT OF LICENSED FEDERAL FIREARM SUPPLIERS ON FIREARM-RELATED MORTALITY

Presenter: Stephanie Chao, MD

Discussant : Henry Schiller, MD

TSACO Editorial Board Meeting

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

WTC SCHEDULE DETAILS

THURSDAY, SEPTEMBER 27

6:15-7:15 am

Track: WTC

SESSION VIII: WTC I SESSIONS

Each session includes one 12 minute keynote and five 8 minute abstracts

WTC 1 RESUSCITATION Sponsored by Australasian Trauma Society

Moderators: John Cook-Jong Lee, MD, PhD and Michael Parr, MD

Keynote: Michael Parr, MD, Management of Traumatic Cardiac Arrest

*FEISTY - FIBRINOGEN EARLY IN SEVERE TRAUMA STUDY:
FIBRINOGEN CONCENTRATE VS. CRYOPRECIPITATE IN SEVERE TRAUMATIC HAEMORRHAGE:
A PILOT RANDOMISED CONTROLLED TRIAL*

Presenter: James Winearls, MD, BS **Country:** Australia

*ORGAN FAILURES FOLLOWING RESUSCITATIVE ENDOVASCULAR OCCLUSION OF THE AORTA:
A PROPENSITY SCORE MATCHING ANALYSIS*

Presenter: Atsushi Shiraishi, MD, PhD **Country:** Japan

*PREDICTING MORTALITY AFTER TRAUMATIC BRAIN INJURY:
PROGNOSTIC MODEL BASED ON ADMISSION CHARACTERISTICS*

Presenter: Jose D Charry, MD, PhD **Country:** Colombia

*ATLS® PROTOCOL ADHERENCE BY GENERAL SURGERY RESIDENTS IN THE EMERGENCY ROOM:
A SIMULATION-BASED APPRAISAL*

Presenter: Bruno M Pereira, MD, PhD **Country:** Brazil

PENETRATING INJURY TO THE CARDIAC BOX

Presenter: Jennie SoMang Kim, MD **Country:** USA

WTC 2 QUALITY Sponsored by the Eastern Association for the Surgery of Trauma

Moderators: Michel Aboutanos, MD and Bruce Crookes, MD

Keynote: Bruce Crookes, MD, Quality in Trauma Care: Navigating the Perfect Storm

*LOW VALUE SURGICAL PRACTICES IN TRAUMA CARE:
A SCOPING REVIEW AND EXPERT CONSULTATION STUDY*

Presenter: Lynne Moore, PhD **Country:** Canada

EFFECTS OF THE FULLY ENFORCED AFFORDABLE CARE ACT

Presenter: Krista Haines, DO **Country:** USA

*PREDICTION MODELS FOR HEALTH STATUS 6-MONTHS AND 1-YEAR AFTER INJURY:
A PROSPECTIVE COHORT STUDY*

Presenter: Leonie De Munter, MSc **Country:** Netherlands

*CAUSES OF PREVENTABLE AND POTENTIALLY PREVENTABLE DEATH IN TRAUMA PATIENTS IN A
COMPREHENSIVE TRAUMA CENTER IN CHINA*

Presenter: Zhanfei Li, MD, PhD **Country:** China

TRAUMA TERTIARY SURVEY: IMPROVING COMPLIANCE IN FOUR STEPS

Presenter: Juan Herrera-Escobar, MD **Country:** USA

WTC 3 INNOVATIVE CARE Sponsored by Japanese Association for the Surgery of Trauma

Moderators: Hayato Kurihara, MD and Takahiro Kinoshita, MD

Keynote: Takahiro Kinoshita, MD, Hybrid ER

*PROPENSITY-SCORE MATCHED ANALYSIS OF ENDOVASCULAR VS. OPEN REPAIR OF ISOLATED SUPERFICIAL
FEMORAL AND POPLITEAL ARTERY INJURIES*

Presenter: Daniel Alfson, MD **Country:** USA

THE EFFICACY OF A NOVEL TWO-ROOM TYPE ALL-IN-ONE TRAUMA RESUSCITATION SUITE:
THE RETROSPECTIVE EVALUATION OF THE BENEFITS OF TIME-SAVING AND COST-EFFECTIVENESS.

Presenter: Taku Kazamaki, MD **Country:** Japan

RESUSCITATIVE ENDOVASCULAR OCCLUSION OF THE AORTA 'REBOA':
INDICATIONS-ADVANTAGES AND CHALLENGES OF IMPLEMENTATION IN TRAUMATIC NON-COMPRESSIBLE
TORSO HEMORRHAGE - A SCOPING REVIEW

Presenter: Omar Bekdache, MD **Country:** Canada

THE ROLE AND AVAILABILITY OF TEVAR WITH DEBRANCHING TECHNIQUE FOR BLUNT TRAUMATIC AORTIC
INJURY IN THE SEVERE MULTIPLE TRAUMA PATIENTS.

Presenter: Kenichiro Uchida, MD, PhD **Country:** Japan

ENDOVASCULAR MANAGEMENT IN TRAUMATIZED PATIENTS:
EXPERIENCE AT A LEVEL I TRAUMA CENTER IN AN UPPER-MIDDLE INCOME COUNTRY

Presenter: Ana Del Valle, MD **Country:** Colombia

WTC 4 CRITICAL CARE Sponsored by PanAmerican Trauma Society

Moderators: Ajai Malhotra, MD and Akio Kimura, MD

Keynote: Thomas Scalea, MD, Acute Resuscitation Unit: Added Value Over ICU?

CLINICAL, LABORATORY AND VENTILATORY PREDICTORS FOR INTRA-ABDOMINAL HYPERTENSION IN SEPTIC
SHOCK ICU PATIENTS

Presenter: Alcir Dorigatti, MD **Country:** Brazil

EXTERNAL VALIDATION OF THE HELSINKI COMPUTED TOMOGRAPHY SCORE IN THE PREDICTION OF
MORTALITY IN SEVERE TRAUMATIC BRAIN INJURY

Presenter: Jose Charry, MD, PhD **Country:** Colombia

OPTIMIZING CRITICAL CARE OF THE TRAUMA PATIENT IN A COST-EFFICIENT WAY:
THE INTERMEDIATE CARE UNIT

Presenter: Joost Plate, MD **Country:** Netherlands

INTRODUCTION AND EVALUATION OF THE ACS "B-CON BASICS" COURSE IN ZARAGOZA, SPAIN

Presenter: Carlos Yanez, MD **Country:** Spain

VOLUME-OUTCOME RELATIONSHIP IN BURN CARE: ANALYSIS OF NATIONWIDE ADMINISTRATIVE DATABASE

Presenter: Akira Endo, MD, PhD **Country:** Japan

WTC 5 POLYTRAUMA/ORTHO Sponsored by German Trauma Society (DGU)

Moderators: Marius Keel, MD and Bertil Bouillon, MD

Keynote: Bertil Bouillon, MD, S3 Polytrauma Guideline Germany

ADMISSION OF ISOLATED HIP FRACTURE PATIENTS TO A TRAUMA SERVICE IMPROVES OUTCOMES

Presenter: Jerry Rubano, MD **Country:** USA

WHICH IS THE BEST TREATMENT FOR DISPLACED INTRAARTICULAR CALCANEAL FRACTURES: A SYSTEMATIC
REVIEW AND NETWORK META-ANALYSIS

Presenter: Xu-Xiang Peng, BS, MS **Country:** China

WITHDRAWN

COMPARISON OF OUTCOMES IN SEVERE PELVIC FRACTURES BETWEEN A SOUTH KOREAN TRAUMA CENTER
AND MATCHED PATIENTS TREATED IN THE UNITED STATES.

Presenter: Kyoungwon Jung, MD, PhD **Country:** South Korea

WTC SCHEDULE DETAILS

HIP FRACTURE TIME-TO-SURGERY AND COMPLICATION/MORTALITY RATE:
IS THERE A SIGNIFICANT DIFFERENCE?

Presenter: Adel Elkbuli, MD, MPH **Country:** USA

WTC 6 GERIATRICS Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Ingo Marzi, MD and Christoph Josten, MD

Keynote: Christoph Josten, MD, The New Classification of Fragility Fractures of the Pelvis

IMPLEMENTATION OF NEW STANDARD OPERATING PROCEDURES: WHAT ARE THE BENEFITS FOR GERIATRIC TRAUMA PATIENTS WITH MULTIPLE INJURIES.

Presenter: Kai Jensen, MD **Country:** Switzerland

CHARACTERISTICS OF TRAUMA MECHANISMS AND ANATOMICAL DISTRIBUTION OF INJURY IN GERIATRIC PATIENTS; A DESCRIPTIVE ANALYSIS OF THE NATIONWIDE TRAUMA REGISTRY OF THE WORLD'S FASTEST AGING COUNTRY

Presenter: Mitsuaki Kojima, MD, PhD **Country:** Japan

EMERGENCY/TRAUMA SURGEONS REPORT PRESCRIBING LESS OPIOIDS OVER TIME

Presenter: Jamie Anderson, MD, MPH **Country:** USA

TRAFFIC ACCIDENTS FOR GERIATRIC CYCLIST IN JAPAN

Presenter: Yuta Oyama, MD **Country:** Japan

PREDICTION OF MORTALITY AND MORBIDITY EVALUATING WITH SARCOPENIA IN JAPANESE GERIATRIC TRAUMA PATIENTS

Presenter: Takeshi Nishimura, MD **Country:** Japan

WTC 7 EMERGENCY GENERAL SURGERY Sponsored by World Society of Emergency Surgery (WSES)

Moderators: Mauro Zago, MD and Salomone Di Saverio, MD

Keynote: Salomone Di Saverio, MD, Acute Appendicitis GL

MATCHING THREE CLINICAL SCORES WITH SURGEON PERFORMED ULTRASOUND IN THE DIAGNOSIS OF ACUTE APPENDICITIS: PRELIMINARY RESULTS OF A PROSPECTIVE STUDY

Presenter: Mauro Zago, MD **Country:** Italy

PROGNOSTIC VALUE OF P-POSSUM AND OSTEOPENIA FOR PREDICTING MORTALITY AFTER EMERGENCY LAPAROTOMY IN GERIATRIC PATIENTS

Presenter: Rebecka Ahl, MD **Country:** Sweden

REBOA: NOT JUST FOR TRAUMATIC HEMORRHAGIC SHOCK ANYMORE

Presenter: Joseph Ibrahim, MD **Country:** USA

DAMAGE CONTROL OR DEFINITIVE REPAIR? A RETROSPECTIVE AUDIT OF ABDOMINAL TRAUMA AT A SOUTH AFRICAN CENTRE

Presenter: Ross Weale, MBBS, BSc **Country:** South Africa

CHANCE TO CUT: DEFINING A NEGATIVE EXPLORATION RATE IN PATIENTS WITH SUSPECTED NECROTIZING SOFT TISSUE INFECTION

Presenter: Erin Howell, MD **Country:** USA

THURSDAY, SEPTEMBER 27

4:45-5:45 pm

Track:WTC

SESSION XVI: WTC II SESSIONS

Each session includes one 12 minute keynote and five 8 minute abstracts

WTC 8 RESEARCH Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Ronald Maier, MD and Ingo Marzi, MD

Keynote: Bertil Bouillon, MD, Influence of Trauma Registry Data on Basic Research

COMPARISON OF TRAUMA OUTCOMES BETWEEN JAPAN AND UNITED STATES USING NATIONAL TRAUMA REGISTRIES

Presenter: Shokei Matsumoto, MD Country: Japan

THE IMPACT OF GEOCODING A TRAUMA REGISTRY

Presenter: Ben Gardiner, RN, BN, GDip Periop Country: Australia

CAUSES AND OUTCOMES OF UNINTENTIONAL AND INTENTIONAL TRAUMATIC BRAIN INJURIES IN UGANDA: ANALYSIS FROM HOSPITAL-BASED REGISTRY

Presenter: Nukhba Zia, MD, MPH Country: USA/Uganda

REJUVENATION OF AGED BONE MARROW STEM CELLS TO IMPROVE THE POTENTIAL OF OSTEOGENIC DIFFERENTIATION BY MICROENVIRONMENTAL REGULATION

Presenter: Yu Pan, MD, BS Country: China

DECREASED LEUKOCYTE VIABILITY IN SURGICAL PATIENTS: A NEWLY DESCRIBED PHENOMENON

Presenter: Lillian Hesselink, MD Country: Netherlands

WTC 9 SHOCK/TRANSFUSION Sponsored by The Japanese Society for Acute Care Surgery (JSACS)

Moderators: Ernest Moore, MD and Yasuhiro Otomo, MD, PhD

Keynote: Yasuhiro Otomo, MD, PhD, Traumatic Coagulopathy

ONE HUNDRED PERCENTS FATALITY RATE IN ASIANS WITH HYPERFIBRINOLYSIS AFTER MAJOR TRAUMA: A REPORT FROM A LEVEL I TRAUMA CENTER IN ASIA CALLING FOR AN EARLY AGGRESSIVE APPROACH.

Presenter: Burapat Sangthong, MD Country: Thailand

CLINICAL EVALUATION OF A NOVEL COAGULOPATHY DEVICE

Presenter: Emily Ashworth, RN BNurs (hons) Mrs Country: England

TEG IN TRAUMA PATIENTS: EVERY MINUTE COUNTS

Presenter: Alison Smith, MD, PhD Country: USA

EVALUATION OF FACTORS AFFECTING CLINICAL OUTCOMES IN PATIENTS WITH PENETRATING CARDIAC INJURIES BY CORTOPUNZANTE WEAPON. 5 YEARS EXPERIENCE IN A LEVEL I COMPLEXITY INSTITUTION IN COLOMBIA

Presenter: Oscar Dussan, MD Country: Colombia

MASS-CASUALTY IN A LEVEL 2 TRAUMA CENTER: ARE WE REALLY PREPARED?

Presenter: Morgan Pomeranz, MD Country: USA

WTC 10 PREVENTION/OUTCOMES Sponsored by SBAIT - Brazilian Trauma Society

Moderators: Rochelle Dicker, MD and Gustavo Fraga, MD, PhD

Keynote: Gustavo Fraga, MD, PhD, "Yellow May" - Trauma Prevention Program

EDUCATION IN TRAUMA: AN EDUCATIONAL ALTERNATIVE THAT PROMOTES INJURY PREVENTION

Presenter: Jose Charry, MD, PhD Country: Colombia

PSYCHOLOGICAL DISTRESS AFTER TRAUMA: A PROSPECTIVE COHORT STUDY

Presenter: Leonie De Munter, MSc Country: Netherlands

WTC SCHEDULE DETAILS

EFFECTS OF TRAUMA CENTER ON MORTALITY AT A REGIONAL CITY IN JAPAN: A POPULATION BASED STUDY

Presenter: Yuji Takahashi, MD **Country:** Japan

PSYCHOLOGICAL DEVELOPMENTS 28 YEARS AFTER MULTIPLE TRAUMA

Presenter: Sascha Halvachizadeh, MD **Country:** Switzerland

TRAUMA, TREATMENT AND REHABILITATION: A PATIENTS' PERSPECTIVE

Presenter: Eva Visser, MSc **Country:** Netherlands

WTC II TRAUMA SYSTEMS Sponsored by Chinese Medical Doctor Association Trauma Committee (CMDATC)

Moderators: Marc deMoya, MD and Xiao-Bing Fu, MD

Keynote: Lian-Yang Zhang, MD, Trauma System Development in China

APPLYING THE 5-PILLAR MATRIX TO THE DECADE OF ACTION FOR ROAD SAFETY IN QATAR: IDENTIFYING GAPS AND PRIORITIES

Presenter: Ruben Peralta, MD **Country:** Qatar

ROLE OF REVISED TRAUMA SCORE AND KAMPALA TRAUMAVSCORE IN LOW AND MIDDLE INCOME COUNTRIES - ASSESSING FEASIBILITY, ACCURACY AND UTILITY IN RURAL INDIA

Presenter: Maunil Bhatt, MD, BS **Country:** USA

AN 18-YEAR ANALYSIS OF BORDER FENCE INJURIES

Presenter: Theresa Chan, MD **Country:** USA

INTEGRATION IS THE KEY FACTOR TO DEVELOP PREHOSPITAL TRAUMA CARE SYSTEM IN THE LEAST DEVELOPING COUNTRIES

Presenter: Takaaki Suzuki, MD **Country:** Japan

THE CHALLENGING AND STRATEGIES FOR TRAUMA CARE IN CHINA

Presenter: Lianyang Zhang, MD **Country:** China

WTC I2 THORACIC/VASCULAR Sponsored by Austrian Council for Emergency Medicine (AGN)

Moderators: Luke Leenen, MD and Paul Puchwein, MD

Keynote: Paul Puchwein, MD, Emergency Thoracotomy in Preclinical Setting-An Advantage of Physician Based EMS

A COMPARATIVE STUDY ON BOARDING OF MEDICAL STAFF OF HELICOPTER EMERGENCY MEDICAL SERVICE (HEMS) AND THE TRAUMA DEATH RATE: FOCUSING ON THE LOCAL REGIONAL TRAUMA CENTER

Presenter: John Lee, MD, PhD **Country:** South Korea

A QUALITY OF LIFE STUDY COMPARING PATIENT'S OUTCOME OF SURGICAL INTERVENTION FOR RIB FRACTURES: A PRELIMINARY, PROSPECTIVE, COHORT STUDY IN TAIWAN

Presenter: Tzu-hsin Lin, MD **Country:** Taiwan

CLINICAL SIGNIFICANCE OF ULTRASOUND IN PATIENTS WITH PENETRATING CHEST TRAUMA

Presenter: Alexander Smolyar, PhD **Country:** Russia

PENETRATING CARDIAC INJURIES IN THE 21ST CENTURY: HAS SURVIVAL IMPROVED?

Presenter: Christopher McNicoll, MD **Country:** USA

PREDICTORS FOR RETAINED Hemothorax AMONG PATIENTS WITH PENETRATING THORACIC INJURIES

Presenter: ADOLFO GONZALEZ, MD **Country:** Colombia

WTC I3 EMERGENCY GENERAL SURGERY Sponsored by World Society for Emergency Surgery

Moderators: Carlos Mesquita, MD and Federico Coccolini, MD

Keynote: Federico Coccolini, MD, Acute Cholecystitis GL

WTC SCHEDULE DETAILS

A STUDY OF POST-OPERATIVE COMPLICATIONS IN AN EMERGENCY GENERAL SURGERY FIRM IN 2017

Presenter: Chris Cremona, MD **Country:** Brazil

COMPLICATION RATES IN EMERGENT VERSUS DELAYED SURGICAL INTERVENTION FOR ACUTE CHOLECYSTITIS – A RETROSPECTIVE REVIEW

Presenter: Christopher Rice, BS **Country:** USA

DOES THE “HALO EFFECT” OF TRAUMA CENTER DESIGNATION EXTEND TO SEVERE POSTPARTUM HEMORRHAGE? A FOUR YEAR RETROSPECTIVE REVIEW OF LEVEL I TRAUMA CENTERS IN AMERICA

Presenter: PHOENIX VUONG, MD **Country:** USA

SURGICAL RESCUE IN A MAJOR HIGH VOLUME URBAN EMERGENCY GENERAL SURGERY (EGS) SERVICE USING AN ELECTRONIC AUTOMATIC EMERGENCY GENERAL SURGERY REGISTRY

Presenter: Maria Jimenez, MD **Country:** Colombia

ESTIMATING THE ECONOMIC BURDEN OF ENTERIC FISTULA AFTER DAMAGE-CONTROL LAPAROTOMIES: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presenter: Felix Chang, MBA **Country:** USA



FRIDAY, SEPTEMBER 28

6:15-7:15 pm

Track:WTC

SESSION XVII: WTC III SESSIONS

Each session includes one 12 minute keynote and five 8 minute abstracts

WTC 14 CRITICAL CARE Sponsored by Australasian Trauma Society

Moderators: Koji Morishita, MD and Zsolt Balogh, MD, PhD

Keynote: Zsolt Balogh, MD, PhD Understanding Post Injury Inflammation for Better Timing of Definitive Surgical Intervention in Polytrauma

RHABDOMYOLYSIS AND ACUTE KIDNEY INJURY IN BLUNT TRAUMA PATIENTS

Presenter: Jung Yun Park, MD South Country: South Korea

NEUROENTERIC AXIS MODULATES THE INTESTINAL CIRCULATION AFTER TRAUMA/HEMORRHAGIC SHOCK

Presenter: Masayuki Yagi, MD Country: Japan

INCIDENCE OF ACUTE RESPIRATORY DISTRESS SYNDROME AND ASSOCIATED MORTALITY IN A POLYTRAUMA POPULATION

Presenter: Karlijn Van Wessem, MD, PhD Country: Netherlands

DISRUPT THE COUPLING BETWEEN IL-1RI AND NECROSOME PROTECT THE HEMIN-EVOKED NEURON CELL DEATH AFTER ICH

Presenter: Lei Li, MD, PhD Country: China

STUDY OF SERUM COPPER LEVELS IN CONSERVATIVELY MANAGED HEAD INJURY PATIENTS WITH SPECIAL REFERENCE TO ITS SEVERITY AND OUTCOME

Presenter: VINOD JAIN, MD Country: India

WTC 15 PREVENTION Sponsored by Eastern Association for the Surgery of Trauma (EAST)

Moderators: Jose Mauro da Silva Rodrigues, MD and Nicole Stassen, MD

Keynote: Nicole Stassen, MD, A New Frontier in Firearm Injury

IMPACT OF THE RESUSCITATIVE ENDOVASCULAR BALLOON OCCLUSION OF THE AORTA (REBOA) ON MORTALITY IN PENETRATING TRAUMA PATIENTS: A PROPENSITY SCORE ANALYSIS

Presenter: ALBERTO GARCIA, MD Country: Colombia

INTERPERSONAL VIOLENCE AND MORTALITY IN PEACETIME SUBSAHARAN AFRICA

Presenter: Brittney Williams, MD Country: USA

THE SPECTRUM OF INJURIES RESULTING FROM GUNSHOT WOUNDS IN CAR HIJACKING: A SOUTH AFRICAN EXPERIENCE

Presenter: Victor Kong, PhD, MBChB Country: South Africa

CORRELATION BETWEEN QUALITY AUDIT FILTERS AND SEVERITY OF TRAUMA

Presenter: Jose Parreira, MD, PhD Country: Brazil

MORBIDITY, MORTALITY AND HEALTHCARE COST DUE TO INJURY FROM VENOMOUS AND NON-VENOMOUS ANIMALS IN THE UNITED STATES: 5-YEAR ANALYSIS OF THE NATIONAL EMERGENCY DEPARTMENT SAMPLE

Presenter: Joseph Forrester, MD, MSc Country: USA

WTC 16 ABDOMINAL TRAUMA Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Jungchui Kim, MD and Ari Leppaniemi, MD, PhD

Keynote: Ari Leppaniemi, MD, PhD, Nonoperative Management of Solid Abdominal Organ Injuries

DIAGNOSIS AND TREATMENT OF BLUNT ADRENAL GLAND TRAUMA

Presenter: Alexander Smolyar, PhD Country: Russia

DAMAGE CONTROL INDICATION FOR SEVERE BLUNT TRAUMA INJURIES IN JAPAN

Presenter: Nao Urushibata, MD **Country:** Japan

OUTCOMES OF BLUNT ABDOMINAL TRAUMA PATIENTS WITH A FALSE-NEGATIVE FAST SCANNING IN A LEVEL I TRAUMA CENTER

Presenter: Ibrahim Yilmaz, MD **Country:** USA

HOLLOW VISCUS ORGAN INJURY IN BLUNT ABDOMINAL TRAUMA- CHALLENGES IN TRAUMA BAY

Presenter: Samir Misra, MD **Country:** India

EVALUATION OF THE SELECTIVE USE OF CONTRAST-ENHANCED COMPUTED TOMOGRAPHY IN CLOSED ABDOMINAL TRAUMA

Presenter: Heitor Consani, MD **Country:** Brazil

WTC 17 GUIDELINES/OUTCOMES

Sponsored by European Society for Trauma and Emergency Surgery (ESTES)

Moderators: Yoshinori Murao, MD and Rado Komadina, MD

Keynote: Radko Komadina, MD, European Bleeding Guidelines

DETERMINANTS OF EMERGENCY DEPARTMENT DISCHARGE DISPOSITION OF PATIENTS WITH TRAUMATIC BRAIN INJURY IN A TERTIARY CARE HOSPITAL OF UGANDA

Presenter: Amber Mehmood, MD, MPH **Country:** USA

ROUTINE SERIAL CT OF THE HEAD AND HOURLY NEUROLOGIC EXAMINATIONS ARE UNNECESSARY IN PATIENTS WITH MINOR TRAUMATIC BRAIN INJURY

Presenter: Kira Smith, MD, MS **Country:** USA

DEVELOPMENT OF A PSEUDO ENCRYPTION TOOL TO SHARE UNIQUE PATIENT IDENTIFIERS BETWEEN INSTITUTIONS TO FACILITATE TRAUMA/EMERGENCY MEDICINE EPIDEMIOLOGIC RESEARCH WITHIN METRO REGION

Presenter: Michaela West, MD, PhD **Country:** USA

A COMPARATIVE ANALYSIS OF THE FINDINGS OF POSTMORTEM CT SCAN AND TRADITIONAL AUTOPSY IN TRAUMATIC DEATHS: IS TECHNOLOGY MUTUALLY COMPLEMENTING OR EXCLUSIVE?

Presenter: Biplab Mishra, MS **Country:** India

TUBE THORACOSTOMY FOR THE TRAUMA PATIENT; IT'S NOT JUST ABOUT SIZE

Presenter: John Agapian, MD **Country:** USA

WTC 18 EDUCATION Sponsored by SBAIT - Brazil Trauma Society

Moderators: Mamta Swaroop, MD and Gustavo Fraga, MD, PhD

Keynote: Gustavo Fraga, MD, PhD, Trauma Leagues: A Novel Option to Attract Medical Students to a Surgical Career

THE TEAM (TRAUMA EVALUATION AND MANAGEMENT) COURSE - MEDICAL STUDENT KNOWLEDGE GAINS AND RETENTION IN THE USA VS GHANA

Presenter: Allison Berndtson, MD **Country:** USA

VARIED TRAINING EXPERIENCE AMONG 2-YEAR FELLOWSHIP CANDIDATES: EXPERIENCE MAY NOT EQUATE TO SELFPERCEIVED COMPETENCE

Presenter: Richard Maduka, BS **Country:** USA

COGNITIVE AND TEAM WORK RESUSCITATION SKILLS PERFORMANCE OF MEDICAL STUDENTS WITH THE TEAM® COURSE

Presenter: Maria Jimenez, MD **Country:** Colombia

WTC SCHEDULE DETAILS

THE IMPACT OF INTERNATIONAL TRAUMA ROTATION AT TYGERBERG HOSPITAL IN SOUTH AFRICA;
COMPARISON OF SURGICAL VOLUME IN AN URBAN TRAUMA CENTER IN TOKYO

Presenter: Tsuyoshi Nagao, MD Country: Japan

ATLS 20 YEARS - FROM HONG KONG TO MAINLAND CHINA

Presenter: GUIXI ZHANG, BS, MBBS MHSM MTS Country: Hong Kong

WTC 19 GERIATRICS/OUTCOMES Sponsored by Japanese Association for the Surgery of Trauma (JAST)

Moderators: Amit Gupta, MD, and Takashi Fujita, MD

Keynote: Takashi Fujita, MD, Geriatric Trauma in Japan

RIB FRACTURES IN THE ELDERLY: PHYSIOLOGY TRUMPS ANATOMY

Presenter: Nathan Schmoekel, DO Country: USA

TREATMENT OF SEVERELY INJURED PATIENTS - SMALL IMPACT, BIG DEAL. ELDERLY PATIENTS AFTER LOW-ENERGY TRAUMA AND LIFE-THREATENING CONSEQUENCES

Presenter: Orkun Özkurtul, MD Country: Germany

TRAFFIC ACCIDENTS FOR GERIATRIC PEDESTRIAN IN JAPAN

Presenter: Tadashi UMEHARA, MD Country: Japan

COMPARATIVE ASSESSMENT OF IN-HOSPITAL TRAUMA MORTALITY AT AN INDIAN TRAUMA CENTER WITH IN-HOSPITAL TRAUMA MORTALITY AT A LEVEL I TRAUMA CENTER IN THE UNITED STATES

Presenter: Tessa Adzemovic, BA Country: USA

PREHOSPITAL CARE IN INDIA: THE NEED OF THE HOUR

Presenter: Vignesh Kumar Shanmuganathan, MBBS, DNB Country: India

WTC 20 SHOCK RESUSCITATION Sponsored by The Japanese Society for Acute Care Surgery (JSACS)

Moderator: Sandro Rizoli, MD, PhD and Shigeki Kushimoto, MD

Keynote: Shigeki Kushimoto, MD, Traumatic Coagulopathy

TRAUMATIC LARYNGOTRACHEAL INJURIES – 7 YEAR EXPERIENCE FROM A LEVEL I TRAUMA CENTRE

Presenter: Vignesh Kumar Shanmuganathan, MBBS, DNB Country: India

INTER-HOSPITAL VARIATIONS IN RESOURCE USE INTENSITY IN INJURY DEATHS: A MULTICENTER COHORT STUDY

Presenter: Lynne Moore, PhD Country: Canada

UNPRECEDENTED SURGE ON BLOOD BANK DURING LARGEST MASS SHOOTING IN UNITED STATES' HISTORY

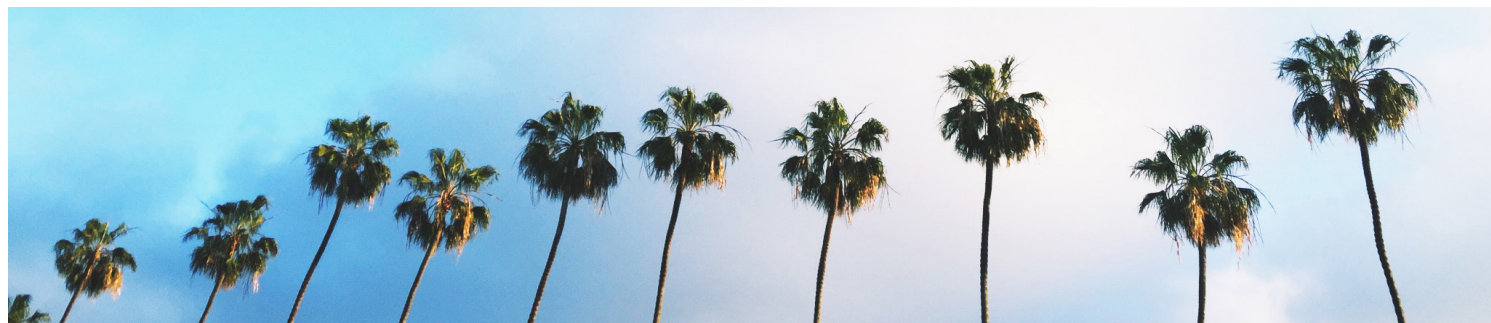
Presenter: Neal Foley, DO Country: USA

SHOCK INDEX AS A MORTALITY PREDICTOR IN A EMERGENCY RESUSCITATION IN TRAUMA PATIENTS

Presenter: Jose Charry, MD, PhD Country: Colombia

ULTRASOUND-GUIDED CANNULATION VIA THE RIGHT BRACHIOCEPHALIC VEIN IN ADULT PATIENT: AN OVERLOOKED APPROACH STILL

Presenter: Sun Xingwei, MS Country: China



FRIDAY, SEPTEMBER 28

5:00-6:00 pm

Track: WTC

SESSION XXIV: WTC IV SESSION

Each session includes one 12 minute keynote and five 8 minute abstracts

WTC 21 ABDOMINAL TRAUMA Sponsored by SBAIT - Brazilian Trauma Society

Moderators: Gennaro Perrone, MD and Tercio Campos, MD

Keynote: Tercio Campos, MD, Pancreatic Trauma

AVOIDING UNNECESSARY LAPAROTOMY IN SELECTED BLUNT AND PENETRATING TRAUMA PATIENTS: TIME FOR A PARADIGM SHIFT TOWARDS LAPAROSCOPIC MANAGEMENT

Presenter: Carlos Augusto Menegozzo, MD **Country:** Brazil

THE ADDITIONAL VALUE OF FOLLOW-UP TESTS IN THE ASSESSMENT OF SPLENIC FUNCTION AFTER BLUNT SPLENIC INJURY IN PEDIATRIC TRAUMA PATIENTS

Presenter: Roy Spijkerman, MD **Country:** Netherlands

SURGICAL OUTCOMES IN PANCREATIC TRAUMA: A 10-YEAR INSTITUTIONAL REVIEW

Presenter: Roberto Gonzalez, BS **Country:** USA

HYPOVOLEMIC SHOCK IN THE VIEW OF COMPUTED TOMOGRAPHY - IS THERE A PLACE FOR THESE SIGNS?

Presenter: Heitor Consani, MD **Country:** Brazil

NON-OPERATIVE MANAGEMENT IN ABDOMINAL PENETRATING INJURIES - WHERE DOES THE PROTOCOL LIE

Presenter: Sandeep Tiwari, MD **Country:** India

WTC 22 SHOCK/RESUSCITATION Sponsored by The Japanese Society for Acute Care Surgery (JSACS)

Moderators: Christine Gaarder, MD, PhD and Atsushi Shiraishi, MD

Keynote: Atsushi Shiraishi, MD, The Effects of TXA on Trauma

LOOKING AT THE OTHER SIDE OF THE COIN: USING VISCOELASTIC METHODS (ROTEM) TO HOLD BLOOD TRANSFUSIONS IN TRAUMA PATIENTS

Presenter: Jose Parreira, MD, PhD **Country:** Brazil

PREDICTION OF PATIENTS WITH MAJOR TRAUMA REQUIRING MASSIVE BLOOD TRANSFUSION: A COMPARISON OF ABC, TASH, PWH, SI SCORES

Presenter: Ahram Han, MD **Country:** South Korea

ASSOCIATION OF THE TIME INTERVAL FROM HOSPITAL ARRIVAL TO CT SCANNING WITH MORTALITY AMONG ADULT TRAUMA PATIENTS WITH PREHOSPITAL SHOCK ON SCENE; A NATIONWIDE HOSPITAL-BASED REGISTRY IN JAPAN

Presenter: Takeyuki Kiguchi, MD, PhD **Country:** Japan

IS THERE A MORTALITY DIFFERENCE IN TRAUMA PATIENTS REPATRIATED TO NONTRAUMA CENTERS? PILOT DATA FROM AN EAST MULTI-CENTER TRIAL

Presenter: John Agapian, MD **Country:** USA

TRIBULATIONS OF CONDUCTING RANDOMIZED CONTROLLED TRIALS IN COLOMBIA: THE EXPERIENCE FROM THE CELTA TRIAL (HYPERTONIC SALINE FOR EARLY ABDOMINAL FASCIAL CLOSURE AFTER EMERGENT LAPAROTOMY IN TRAUMA PATIENTS)

Presenter: Alberto Garcia, MD **Country:** Colombia

WTC SCHEDULE DETAILS

WTC 23 TRAUMA EDUCATION Sponsored by Chinese Medical Doctor Association Trauma Committee (CMDATC)

Moderator: Ashok Puranik, MD, and Lian-Yang Zhang, MD

Keynote: Lian-Yang Zhang, MD, Trauma Education in China

THE FEASIBILITY OF TELEPHONE-ADMINISTERED INTERVIEWS TO EVALUATE LONG-TERM OUTCOMES OF TRAUMA PATIENTS IN SUB-SAHARAN AFRICA

Presenter: Adam Laytin, MD, MPH Country: USA

A PROSPECTIVE ANALYSIS OF SHORT AND MID-TERM KNOWLEDGE RETENTION AFTER AN ULTRA-SHORT ULTRASOUND COURSE FOR MEDICAL STUDENTS

Presenter: Carlos Augusto Menegozzo, MD Country: Brazil

PREPARED TO CARE: AN EXPLORATION OF CONTINUING EDUCATION TRENDS OF NURSES CARING FOR INJURED CHILDREN

Presenter: Linda Roney, RN Country: USA

ESTABLISHMENT OF TRAUMA SYSTEM FRAMEWORK IN SHENZHEN, CHINA

Presenter: Guixi Zhang, BS, MBBS, MHSM, MTS Country: China

WORLD TRAUMA EDUCATION: HEMORRHAGE CONTROL TRAINING FOR HEALTHCARE PROVIDERS IN INDIA

Presenter: Lindsay Smith, BA Country: USA

WTC 24 PREHOSPITAL Sponsored by JSACS/KSACS

Moderator: Susan Brundage, MD and John Cook-Jong Lee, MD, PhD

Keynote: John Cook-Jong Lee, MD, PhD Invasive Prehospital Care

ASSESSMENT OF POLYTRAUMATIZED PATIENTS ACCORDING TO THE BERLIN DEFINITION: DOES THE ADDITION OF PHYSIOLOGICAL DATA REALLY IMPROVE INTEROBSERVER RELIABILITY?

Presenter: Carina Pothmann, MD Country: Switzerland

PHYSICIAN BASED ON-SCENE AIRWAY MANAGEMENT IN SEVERELY INJURED PATIENTS AND IN-HOSPITAL CONSEQUENCES - IS THE MISPLACED INTUBATION AN UNDERESTIMATED DANGER IN TRAUMA MANAGEMENT?

Presenter: Orkun Özkurtul, MD Country: Germany

DEVELOPMENT OF TRAUMA LEVEL PREDICTION MODELS UTILIZING EMS VITAL SIGNS TO REDUCE OVER- AND UNDERTRIAGE RATES FOR PENETRATING WOUNDS AND ELDERLY FALLS

Presenter: Robert Riggs, PhD Country: USA

THE STATE OF PRE-HOSPITAL CARE AND AMBULANCE UTILIZATION IN RURAL GUJARAT, INDIA

Presenter: Maunil Bhatt, MD, BS Country: USA

EMERGENT TRAUMA LAPAROTOMY WITH OR WITHOUT THORACOTOMY IN THE EMERGENCY DEPARTMENT: RISKS AND BENEFITS

Presenter: Kaori Ito, MD Country: Japan



SPECIAL SESSION:

ORTHOPEDIC TRAUMA ASSOCIATION PROGRAM ON FRIDAY, SEPTEMBER 28TH

The Orthopaedic Trauma Association (OTA) is honored to participate with the AAST in the 77th Annual Meeting of AAST and Clinical Congress of Acute Care Surgery & 4th World Trauma Congress. Like the AAST, the OTA is dedicated to advancing the care of injured patients and enabling surgeons to provide excellent care.

In this session, OTA members will present cutting-edge issues in the management of orthopaedic emergencies, “damage control” and the prevention and treatment of complications in the orthopaedic trauma. Musculoskeletal injury remains a critical aspect in the treatment of trauma patients, and these presentations are appropriate for all members of the team. Participants will better understand how these injuries affect the resuscitation and recovery of these patients as well as how fracture care affects the overall patient’s wellbeing.

OTA/DGOU COMBINED SESSION

77th Annual Meeting of the AAST and Clinical Congress of Acute Surgery and 4th World Trauma Congress September 28, 2018 8:00 AM to 5:00 PM San Diego, California

Tentative agenda:

1. Welcome
2. Management of Emergencies in Orthopaedic Trauma
 - a. Pelvic fracture with hemorrhagic shock
 - b. Compartment syndrome
 - c. Open fractures
 - d. Unreduced dislocations
3. Damage Control Orthopaedic Surgery
 - a. Timing of surgery on the musculoskeletal system in polytrauma
 - b. Injuries that should be addressed immediately
 - c. Staging of procedures
4. Prevention and Treatment of Complications
 - a. Infection
 - b. Rehabilitation issues in the trauma patient
5. Special injury patterns
 - a. Articular – elbow
 - b. Articular – knee
 - c. Long bone – femur
 - d. Long bone – tibia
 - e. Management of bone defects
 - i. Bone grafting options
 - ii. Distraction osteogenesis

For more information, go to www.AAST.org and click on the 2018 Annual Meeting program page.

Registration is online only for this session.
A one-day Friday rate is available for the OTA session.

OVERVIEW AND POLICIES

AAST ORAL PRESENTATIONS

This year, 68 AAST oral presentations will be offered over four days. Each presentation will be twenty minutes in length: ten minutes will be allotted for the presentation and ten for discussion from the audience.

AAST QUICK SHOTS

On Saturday, September 29, from 9:00 am–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.

WTC ORAL PRESENTATIONS

120 8-minute oral abstracts and 24 Keynotes will be presented Thursday–Friday. Each of the four WTC sessions will have multiple concurrent presentations.

AAST & WTC SCIENTIFIC POSTERS

140 AAST and 20 WCTC scientific posters will be available for viewing beginning with a poster reception on Wednesday, September 26th from 6:00–7:30 pm. Posters will be available for viewing on two poster kiosks until Friday, September 28, at 12 noon in the exhibit hall. Poster categories and poster professor names will be listed in the final program book, which will be available for download.

SPECIAL BREAKFASTS

*International Attendee Breakfast—
Wednesday, September 26th*

AAST invites all international attendees to a special breakfast to

learn more about the AAST, network with other international attendees, and to meet the AAST International Relations Committee. The breakfast requires pre-registration 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. There will be an ESTES presentation by Prof., Dr. Ingo Marzi of Frankfurt, Topic: “Local and Systemic Inflammation after Severe Trauma – Current Understanding and Clinical Implications”

Resident, Medical Student, and In-Training Fellows Breakfast—Thursday, September 27th

AAST holds a special breakfast at each Annual Meeting for all attendees who are residents, medical students, or in-training fellows. President-Elect Martin Croce, 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 pre-registration 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.

New Member Breakfast—Saturday, September 29th

This special breakfast is for new members who have joined AAST within the last two years (2016 or 2017). 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

pre-registration 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.

NETWORKING AND SOCIAL EVENTS

Tuesday, September 25

AAST invites all attendees registered for a pre-session to attend a networking reception. You must be registered for one of the five pre-sessions to attend this reception.

Thursday, September 27

San Diego Night onboard the USS Midway — Thursday, September 27th (Separate fee of \$150 per person). Children’s rate (ages 5-17) - \$85/child. Children under 5 not recommended. Contact the AAST Central Office for more information.

AAST will host a private event onboard the USS Midway. The USS Midway Museum is a maritime museum located in downtown San Diego at Navy Pier. The museum consists of the aircraft carrier Midway. The ship houses an extensive collection of aircraft, many of which were built in Southern California.

POLICIES

Cancellation Policy

Requests for refunds must be made in writing, and received on or before Friday, August 24, 2018. There is a \$100 processing fee for all refunds and returned checks. Cancellations and registrations postmarked after August 24, 2018 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

Phone: (312) 202-5244; **Fax:** (312) 202-5003

Tickets

All tickets are non-transferrable. This includes the lunch sessions, the special breakfasts, the banquet, and the Thursday night USS Midway event.

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. Children are allowed to attend the AAST Banquet if they have a ticket. Contact AAST to purchase tickets for the banquet

for children.

Security

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

Special Assistance

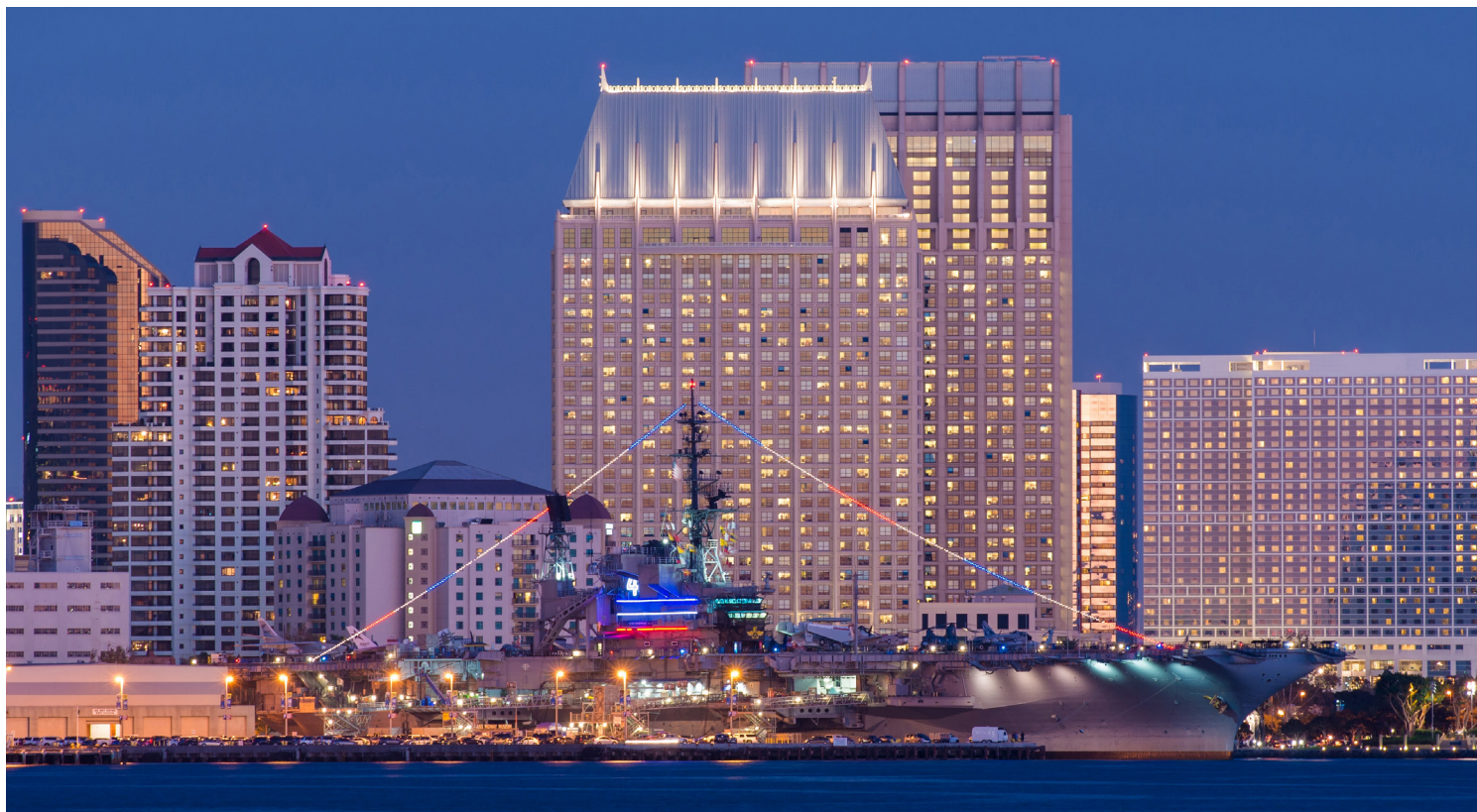
If, due to a disability, you will require any special accommodations while in attendance at this meeting, or have any special restrictions, please let us know by contacting Karla Stuecker, Senior Meeting Planner, at (312) 202-5353 or kstuecker@facs.org.

AAST Dress Code

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

Suggested Attire for San Diego Night ticketed event on the USS Midway:

Exploring the USS Midway can involve a lot of walking and navigating of ladders. For your safety, we recommend comfortable, flat, closed-toed shoes and layered clothing as temperatures vary around the ship.



REGISTRATION INFORMATION

Registration for the 77th Annual Meeting of the American Association for the Surgery of Trauma & Clinical Congress of Acute Care Surgery and 4th World Trauma Congress is now open. To register online or download the registration form, visit www.aast.org/AnnualMeeting/Registration.aspx.

REGISTRATION RATES

Full Meeting Registration — Includes continental breakfast (Wednesday–Saturday), poster reception, and one banquet ticket. Tuesday presessions, all lunch sessions, and tickets for the San Diego Night on the USS Midway event are available for an additional fee.

AAST is using the World Bank Classification System for those countries outside of the “high-income” class. Registration MUST be completed online to receive the adjusted rate.

*Requires verification letter from department chairman or program director.

**AAST is offering a 20% discount on full meeting registration for AAST Member and Non-Member Categories for Active Duty US Military. To Register at the Military rate, you must provide a letter verifying active duty status.

To register or for more information on the OTA Special Session please visit the AAST website at www.aast.org and register online.

CATEGORY	EARLY BIRD On or before 8/24	LATE FEE 8/25–9/25	ONSITE FEE
AAST Member	\$555	\$615	\$665
WCTC Society Member	\$555	\$615	\$665
Active Military**	\$450	\$495	\$535
Nonmember	\$625	\$675	\$715
Nurse/Paramedical	\$490	\$540	\$590
Other (Medical personnel [non-MD] not listed)	\$490	\$540	\$590
In-Training Fellow*	\$335	\$335	\$335
Resident*	\$335	\$335	\$335
Student*	\$170	\$170	\$170
Guest/Spouse (includes Friday night banquet)	\$200	\$200	\$200

DAILY MEETING REGISTRATION

Daily Meeting Registration — Includes continental breakfast on registered day. Lunch sessions are an additional fee.

CATEGORY	WEDNESDAY	THURSDAY	FRIDAY	FRIDAY W/ BANQUET	SATURDAY
Nurse/Paramedical	\$170	\$170	\$150	\$350	\$20
Other (Medical personnel [non-MD] not listed)	\$170	\$170	\$150	\$350	\$20
In-Training Fellow*	\$110	\$110	\$90	\$290	\$20
Resident*	\$110	\$110	\$90	\$290	\$20
Student*	\$60	\$60	\$40	\$240	Free

REGISTRATION INFORMATION

OPTIONAL SESSIONS, LUNCH SESSIONS, AND TICKETED EVENTS

OPTIONAL SESSIONS/EVENTS/OTHER	FEE
Wednesday Lunch Sessions	\$70
Friday Lunch Sessions	\$70
Acute Care Surgery-MOC Presession w/Full Registration	\$80
Acute Care Surgery-MOC Presession Only	\$150
Military and Civilian Trauma System Integration	\$80
Acute Care Surgery Clinical Outcomes Research	\$80
Firearm Injury Prevention: It Starts with a Conversation	\$80
Hands-on Laparoscopic Common Bile Duct Exploration	\$80
San Diego Night: USS Midway Reception and Tour	\$150 (Ages 5-17 \$85)
Special Breakfasts Registration Required (Ticketed Event)	FREE
Friday Night Banquet w/ Full Registration	INCLUDED
Guest Registration Fee (Includes Friday night banquet, poster reception, and Wednesday-Saturday breakfasts. Does not include USS Midway event.)	\$200
2018 AAST Annual Meeting Program Book	\$25





REGISTER BY AUGUST 27 TO RECEIVE THE EARLY BIRD RATE!

SEE YOU IN SAN DIEGO!
September 26-29, 2018

For more information about this year's Annual Meeting or
the American Association for the Surgery of Trauma, please visit www.aast.org.