

**Eastern Association for the Surgery of Trauma (EAST)**  
**36<sup>th</sup> Annual Scientific Assembly**  
**SCIENTIFIC SESSIONS**

**WEDNESDAY, JANUARY 18, 2023**

**SCIENTIFIC SESSION I**

**RAYMOND H. ALEXANDER, MD RESIDENT PAPER COMPETITION**

**Presiding: Deborah Stein, MD, MPH & Taylor Wallen, MD**

*8:30 am-10:00 am*

- |                   |    |  |
|-------------------|----|--|
| 8:30 am           | #1 | <p>BLOOD COMPONENT RESUSCITATIVE STRATEGIES TO MITIGATE<br/>ENDOTHELIOPATHY FOLLOWING HEMORRHAGIC SHOCK<br/>Institution: University of Cincinnati<br/>Presenter: Matthew Baucom, MD<br/>Discussant: Rosemary Kozar, MD, PhD - R Adams Cowley Shock Trauma Center</p>                             |
| 8:45 am           | #2 | <p>PATIENTS WITH BOTH TRAUMATIC BRAIN INJURY AND HEMORRHAGIC SHOCK<br/>BENEFIT FROM RESUSCITATION WITH WHOLE BLOOD<br/>Institution: University of Texas Health Science Center at Houston<br/>Presenter: Gabrielle Hatton, MD, MS<br/>Discussant: Carrie Sims, MD - The Ohio State University</p> |
| 9:00 am           | #3 | <p>PLATELET-INSPIRED SYNTHETIC NANOPARTICLES IMPROVE HEMOSTASIS AND<br/>HEMODYNAMICS IN A RABBIT MODEL OF ABDOMINAL HEMORRHAGE<br/>Institution: University of Pittsburgh Medical Center<br/>Presenter: Amudan Srinivasan, MD<br/>Discussant: Alica Mohr, MD - University of Florida</p>          |
| 9:15 am           | #4 | <p>TXA DOES NOT AFFECT LEVELS OF TBI-RELATED BIOMARKERS IN BLUNT TBI<br/>WITH ICH<br/>Institution: University of Chicago<br/>Presenter: Lea Hoefler, MD<br/>Discussant: Michael Vella, MD - University of Rochester</p>  |
| 9:30 am           | #5 | <p>AGE-RELATED CHANGES IN THROMBOELASTOGRAPHY PROFILES IN INJURED<br/>CHILDREN<br/>Institution: University of Pittsburgh Medical Center<br/>Presenter: Katrina Morgan, MD<br/>Discussant: James Bardes, MD - West Virginia University</p>  |
| 9:45 am           | #6 | <p>STATISTICAL POWER OF RANDOMIZED CONTROLLED TRIALS (RCT) IN THE<br/>FIELD OF TRAUMA SURGERY<br/>Institution: Ryder Trauma Center, University of Miami Miller School of Medicine<br/>Presenter: Arthur Berg, DO<br/>Discussant: Rachael Callcut, MD, MSPH - UC Davis</p>                        |
| 10:00 am-10:30 am |    | <p>Break – Refreshments in the Exhibit Area</p>  |

**WEDNESDAY, JANUARY 18, 2023 continued**

**SCIENTIFIC SESSION II**

**RAYMOND H. ALEXANDER, MD RESIDENT PAPER COMPETITION**

**Presiding: Cynthia Talley, MD & Mary K. Bryant, MD**

*10:30 am-12:00 pm*

- 10:30 am #7 RECLAIMING THE MANAGEMENT OF COMMON DUCT STONES IN ACUTE CARE SURGERY  
Institution: Wake Forest Baptist Medical Center  
Presenter: Maggie Bosley, MD  
Discussant: Catherine Velopulos, MD, MS – University of Colorado Anschutz
- 10:45 am #8 MULTICOMPARTMENTAL TRAUMATIC INJURY INDUCES SEX-SPECIFIC ALTERATIONS IN THE GUT MICROBIOME  
Institution: University of Florida  
Presenter: Jennifer Munley, MD  
Discussant: Susannah Nicholson, MD, MS - Univ of TX Health Science Ctr at San Antonio
- 11:00 am #9 PECTIN BASED BIOLOGIC VELCRO EFFECTIVELY SEALS TRAUMATIC SOLID ORGAN AND SMALL BOWEL INJURIES  
Institution: Madigan Army Medical Center  
Presenter: James Williams, MD  
Discussant: Joseph D. Forrester, MD, MSc - Stanford University
- 11:15 am #10 RIB INJURY AFTER BLUNT TRAUMA IS ASSOCIATED WITH INCREASED LONG TERM OPIOID USAGE  
Institution: University Hospitals Cleveland Medical Center  
Presenter: Avanti Badrinathan, MD  
Discussant: Tareq Khierbek, MD, ScM - Brown University
- 11:30 am #11 REBOA AND RESUSCITATIVE THORACOTOMY ARE ASSOCIATED WITH SIMILAR OUTCOMES AFTER TRAUMATIC CARDIAC ARREST  
Institution: University of Texas Health Science Center at Houston  
Presenter: Ezra Koh, MD  
Discussant: Larry Lottenberg, MD - Florida Atlantic University School of Medicine
- 11:45 am #12 SCANNING THE AGED TO MINIMIZE MISSED INJURY, AN EAST MULTICENTER TRIAL  
Institution: MetroHealth Medical Center  
Presenter: Sami Kishawi, MD  
Discussant: Krista Haines, DO - Duke University

**End of Raymond H. Alexander, MD Resident Paper Competition**

## **WEDNESDAY, JANUARY 18, 2023 continued**

1:15 pm-2:15 pm

### **Scientific Papers that Should Change Your Practice**

*Presented by the EAST Manuscript & Literature Review Committee*

This session will review important papers from 2022 in the field of trauma, surgical critical care, and emergency general surgery and will discuss the ways these papers could and/or should change an individual clinician's practice.

Moderator: David S. Morris, MD

Speakers:

Laura Brown, MD, PhD

Brittany Bankhead, MD, MS

Julia Coleman, MD, MPH

2:15 pm-2:30 pm Break – Refreshments in the Exhibit Area

2:30 pm-3:30 pm

### **Opening Keynote – Presidential Address**

**Deborah M. Stein, MD, MPH, FACS, FCCM**

### **3:45 pm-4:45 pm – Concurrent Educational Sessions**

3:45 pm pm-4:45 pm

#### **Bless the Broken Road: Navigating Personal, Clinical or Career Wrong Turns & Roadblocks**

*Presented by the EAST Career Development Committee & the EAST Mentor Member Committee*

There are a number of major personal, clinical, or job-related problems or crises that can and will unexpectedly arise over the course of a career in trauma and acute care surgery. These can include major health-related issues of the surgeon and/or family members, surgical errors or major complications and associated malpractice lawsuits, job dissatisfaction or unexpected career/position changes, adverse administrative actions, toxic or discriminatory work environments, and career burnout and/or moral injury. The resultant emotional or psychological distress and impacts on job performance or career advancement can be devastating if not navigated properly. This session will feature short vignettes presented by surgeons who have experienced one or more of these challenges and have the benefit of retrospect to identify the things they did right, the things they did wrong, and the key take-home lessons they have drawn from the experience. This will be followed by an open panel discussion and audience question and answer session.

Moderators: Tanya Egodage, MD & Salina Wydo, MD

Speakers:

Alison Wilson, MD – Family First: When Major Medical Issues Strike Close to Home

Jennifer Gurney, MD – I Fought the Law: Navigating Adverse Administrative or Legal Actions

D'Andrea Joseph, MD – Toxic Avenger: Strategies and Lessons for the Toxic Work Environment

Matthew Martin, MD – You've Been Served: Survival Skills for Malpractice Litigation

Alec Beekley, MD – The Prefect Surgical Storm: Recovering from a Major Surgical Misadventure

## **WEDNESDAY, JANUARY 18, 2023 continued**

### **3:45 pm-4:45 pm – Concurrent Educational Sessions**

3:45 pm pm-4:45 pm

#### **Rural Trauma Innovations: Creative Solutions for Providing the Right Care in the Right Place**

*Presented by the EAST Military Committee & the EAST Rural Trauma Committee*

Almost 30 million residents of the US live more than an hour-long drive from the nearest trauma center. Rural hospitals are frequently under-resourced and under-staffed to manage critically ill patients, and priority is made to stabilize and transfer. However, transfer of patients with minor injuries for trauma surgeon or subspecialist evaluation can result in overuse of system resources, as well as significant expense for patients. With that in mind, technologic innovation presents exciting opportunities for remote evaluation and triage of injured patients. In this session, we will present four exciting innovations in providing care for patients across large distances, as well as hold a panel discussion on the opportunities for future innovation and collaboration for improving rural residents access to prompt trauma evaluation.

Moderators: Alexandra Briggs, MD & Stephanie Streit, MD

Speakers:

Scott Armen, MD – Military Innovations - Lessons from the Golden Hour Policy

Avi Bhavaraju, MD – Innovative Solutions - Arkansas Trauma Triage

Ashley Meagher, MD, MPH – Innovative Solutions - Indiana Imaging Cloud

Irma Fleming, MD – Innovative Solutions - Utah Model for Tele-Burn Care

3:45 pm pm-4:45 pm

#### **Language & Bias: Communication Toolkit for EAST4All - Are We Doing it Right?**

*Presented by the EAST Equity, Diversity, & Inclusion in Trauma Surgery Practice Committee*

We, as trauma surgeons, should seek to first understand our own biases and then strive to be more cognizant of our biases during patient handoffs as this translates into direct and indirect effects on patient management. Both positive and negative sentiments have the potential to influence attitudes and behaviors of other providers. Stigmatized patients may encounter clinicians in sequence, with each subsequent clinician treating them in accordance with the impressions expressed by the previous clinician. Language has a powerful role in influencing subsequent clinician attitudes and behavior. Attention to this language could have a large influence on the promotion of respect and reduction of disparities for disadvantaged groups. Humor that treats serious, frightening, or painful subject matter in a light or satirical way is well acknowledged as a coping mechanism to deal with difficult or incongruent situations as well as for establishing or affirming intimacy among peers. This humor when used in the narrative, such as during patient handoff or sign out, can introduce or perpetuate bias. Biased language can influence the quality of care patients receive. Attention to this language could have a large influence on the promotion of respect and reduction of disparities for disadvantaged groups. The aim of this session is to improve the patient handoff experiences amongst providers during trauma sign-out (bay/floor) by being aware of our biases (humor) via addressing the words used during the description of the patients/narratives.

Moderators: Ronnie Mubang, MD & Hillman Terzian, MD

Speakers:

Rikat Baroody, MD – Humor as a Coping Mechanism and Introduction of Bias

Milad Behbahaninia, MD – Effects of Biased Communication of Patient Care

Kelly Galey, MD – Skills to Mitigate Biased Language and Tools to Take Back to your Institution

## **WEDNESDAY, JANUARY 18, 2023 continued**

### **3:45 pm-4:45 pm – Concurrent Educational Sessions**

3:45 pm pm-4:45 pm

#### **Advancing the Practice of Trauma: Utilizing Advanced Practice Providers to Improve Patient Outcomes through a Collaborative Team Approach**

*Presented by the EAST Equity, Diversity, & Inclusion in Trauma Surgery Practice Committee, the EAST Career Development Committee, the EAST Member Recruitment & Retention Committee*

Trauma Advanced Practice Providers (APP) patient care has been shown to be as safe and efficacious when compared to trauma resident-run teams, indicating that hiring APPs to fill service gaps with resident shortages is a worthwhile strategy for physicians or hospital administrators. APPs can also be implemented into the patient care model alongside resident-run teams, demonstrating the importance of understanding the APP role and team collaboration. This session will help the audience better understand why APPs are utilized and how they can be best integrated into trauma teams to improve patient outcomes and billing patterns most effectively. The session will also introduce APP practice to trauma attending and resident teams who have not yet integrated them into their team.

Moderators: A. Britton Christmas, MD, MBA & Jeffrey Claridge, MD, MS

Speakers:

Allysen Shaughnessy, DMSc, PA-C – History of APP Utilization & Influence on Hospital Outcomes in Trauma

Benjamin Reynolds, PA-C – Up-to-Date APP Billing & Coding Best Practice in Trauma

Alaina Lasinski, MD – Four Diverse Trauma Centers & Their App Utilization Models

- Raquel Forsythe, MD – Level I – University of Pittsburgh Medical Center-Presbyterian
- Annika Kay, PA-C – Level I – Intermountain Healthcare
- Brian Yorkgitis, PA-C, DO – Level I – University of Florida Jacksonville
- Brandy Younge, MS ACNP – Level I – Ohio Health Grant Medical Center

5:00 pm-6:10 pm

**EAST Annual Member Forum** – *Open to all EAST Members*

## **THURSDAY, JANUARY 19, 2023**

### **QUICK SHOTS PARALLEL SESSION I**

**Presiding: Joshua Carson, MD & Molly Flannagan, MD**

*8:45 am-9:45 am*

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|---------|-----|---|
| 8:45 am | #1  | RURAL TRAUMA TEAM DEVELOPMENT COURSE POSITIVELY IMPACTS ITS DESIRED OBJECTIVES: A PROSPECTIVE, OBSERVATIONAL STUDY<br>Institution: University of Nebraska Medical Center<br>Presenter: Zachary Bauman, DO, MHA                        |
| 8:51 am | #2  | USING TRAUMA VIDEO REVIEW TO FIND THE GOLDBLOCKS PRE-ACTIVATION TIME<br>Institution: North Shore University Hospital<br>Presenter: Ella Rastegar, BS, EMT-B   |
| 8:57 am | #3  | CONTEMPORARY MANAGEMENT AND OUTCOMES OF PENETRATING COLON INJURIES USING THE 2020 AAST ORGAN INJURY SCALE<br>Institution: R Adams Cowley Shock Trauma Center, Univ of Maryland School of Medicine<br>Presenter: Ahmad Zeineddin, MD   |
| 9:03 am | #4  | DANGEROUS PASSAGE: THE UTILITY AND ACCURACY OF MODERN CHEST COMPUTED TOMOGRAPHY IN PENETRATING INJURIES WITH POTENTIAL TRANSMEDIASTINAL TRAJECTORY<br>Institution: LAC+USC Medical Center<br>Presenter: Marco Sozzi, MD               |
| 9:09 am | #5  | TRAUMA QUALITY OF LIFE FOLLOW UP CLINIC FOR GUN VIOLENCE SURVIVORS: A MULTIDISCIPLINARY ONE-STOP SHOP<br>Institution: Medical College of Wisconsin<br>Presenter: Colleen Trevino, NP, PhD   |
| 9:15 am | #6  | HYPOFIBRINOGENEMIA FOLLOWING INJURY IN 186 CHILDREN AND ADOLESCENTS: PATIENT CHARACTERISTICS, TRANSFUSION PATTERNS, AND OUTCOMES<br>Institution: University of Texas Health Science Center at Houston<br>Presenter: Justin Gerard, MD |
| 9:21 am | #7  | EMERGENCY GENERAL SURGERY IN THE ELDERLY: FACTORS ASSOCIATED WITH FRAGMENTED CARE<br>Institution: Massachusetts General Hospital<br>Presenter: Jefferson Proaño-Zamudio, MD   |
| 9:27 am | #8  | UP AND OVER: CONSEQUENCES OF RAISING THE US-MEXICO BORDER WALL HEIGHT<br>Institution: University of California San Diego<br>Presenter: William Marshall, MD   |
| 9:33 am | #9  | EVALUATION OF A TRAUMA-FOCUSED MEDICAL SCHOOL COURSE<br>Institution: Vanderbilt University Medical Center<br>Presenter: Marshall Wallace, BS  |
| 9:39 am | #10 | VARIATION IN CT IMAGING OF PREGNANT TRAUMA PATIENTS ACROSS SOUTHERN CALIFORNIA TRAUMA CENTERS<br>Institution: University of California, Irvine<br>Presenter: Alexa Lucas, MD, MBA   |

**THURSDAY, JANUARY 19, 2023 continued**

**QUICK SHOTS PARALLEL SESSION II**

**Presiding: Tejal Brahmhatt, MD & Libby Schroeder, MD**

8:45 am-9:45 am

- 8:45 am #11 ASSOCIATION OF ON-SCENE ADVANCED LIFE SUPPORT INTERVENTIONS WITH RETURN OF SPONTANEOUS CIRCULATION FOLLOWING TRAUMATIC OUT-OF-HOSPITAL CARDIAC ARREST  
Institution: West Virginia University  
Presenter: Tanner Smida, BS, NREMT-A
- 8:51 am #12 SEE NONE, DO THREE: REPETITIVE INTENTIONAL TRAINING ON HIGH FIDELITY CADAVERIC SIMULATION RAPIDLY IMPROVES CHEST TUBE PROCEDURAL PERFORMANCE IN EARLY SURGICAL RESIDENTS  
Institution: Creighton University School of Medicine - Phoenix Campus  
Presenter: Hahn Soe-Lin, MD, MS
- 8:57 am #13 AUTOMATED PARTIAL REBOA REDUCES HEMORRHAGE AND HYPOTENSION IN A LETHAL PORCINE LIVER INJURY  
Institution: Wake Forest University Medical School  
Presenter: Gabriel Cambronero, MD
- 9:03 am #14 THE RACE TO TAMPONADE JUNCTIONAL NON-COMPRESSIBLE HEMORRHAGE AND SUSTAIN HEMOSTASIS FOR 72-HOUR PROLONGED FIELD CARE  
Institution: Naval Medical Research Unit San Antonio  
Presenter: Adam J. Kishman, DSc, MPAS, PA-C, LT, MSC, USN
- 9:09 am #15 A SIMPLE ENGINEERING ALTERATION TO IO ACCESS DEVICE ELECTRONICS CAN LEAD TO IMPROVED PLACEMENT ACCURACY CONFIRMATION  
Institution: Perlman School of Medicine, School of Engineering, University of Pennsylvania  
Presenter: Rohan Vemu
- 9:15 am #16 ASSOCIATION OF EARLY RIB PLATING ON CLINICAL AND FINANCIAL OUTCOMES: A NATIONAL ANALYSIS  
Institution: Loma Linda University Medical Center  
Presenter: Kaushik Mukherjee, MD, MSCI
- 9:21 am #17 DAMAGE CONTROL THORACOTOMY: TRENDS, TECHNIQUES, AND OUTCOMES: AN EAST MULTICENTER TRIAL  
Institution: Indiana University  
Presenter: Anthony Douglas, MD
- 9:27 am #18 ANGIOEMBOLIZATION FOR HIGH-GRADE BLUNT SPLENIC INJURIES WITH HEMODYNAMIC INSTABILITY: WHERE IS THE SWEET SPOT?  
Institution: Japan Red Cross Maebashi Hospital  
Presenter: Makoto Aoki, MD, PhD
- 9:33 am #19 RISK FACTORS FOR ANASTOMOTIC LEAK FOLLOWING PRIMARY ANASTOMOSIS OF BLUNT-TRAUMA ASSOCIATED BUCKET HANDLE INTESTINAL INJURIES: A MULTI-CENTER STUDY  
Institution: Texas Tech University Health Sciences Center at Lubbock  
Presenter: Erin Morris, BS
- 9:39 am #20 A WTA MULTICENTER COMPARISON OF MESH VERSUS NON-MESH REPAIR OF BLUNT TRAUMATIC ABDOMINAL WALL HERNIAS  
Institution: University of Tennessee-Chattanooga  
Presenter: Kevin Harrell, MD
- 9:45 am-10:00 am Break – Refreshments in the Exhibit Area

## **THURSDAY, JANUARY 19, 2023 continued**

10:00 am-11:00 am

### **EAST Annual Oriens Presentations**

*Presented by the EAST Career Development Committee*

*Supported by an unrestricted grant from the Polk Family Charitable Foundation*

10:00 am-10:45 am

### **Keynote Address - #WWCCBD**

Clay Cothren Burrell, MD, FACS

10:45 am-11:00 am - 2023 EAST Oriens Essay Presentations

Resident Winner – Colin R. Whitmore, DO

Fellow Winner – Julia R. Coleman, MD, MPH

11:15 am-12:00 pm

### **Practice Management Guidelines**

*Presented by the EAST Guidelines Committee*

The EAST PMGs are the association's signature product, developed using GRADE methodology, a highly regarded, rigorous, transparent, and reproducible approach to conducting systematic literature reviews and creating evidence-based recommendations. Clinicians around the world rely on EAST for these guidelines which shape how trauma, emergency surgery, injury prevention, and surgical critical care is being practiced worldwide. These PMGs help standardize and improve safety and quality of surgical care. This plenary will facilitate the dissemination and translation of cutting-edge research into clinical practice. The annual EAST PMG session is one of the most attended; participants are informed of the latest developments in our field with opportunities to incorporate evidence-based recommendations in their daily practice.

Moderators: George Kasotakis, MD, MPH & Lisa Kodadek, MD

Practice Management Guidelines to be Presented (subject to change):

- Optimal Timing of Femur Fracture Stabilization in Polytrauma Patients – Rajesh Gandhi, MD, PhD
- Pediatric Blunt Cerebrovascular Injury (BCVI) – Katherine Riera, MD
- The Efficacy & Safety of Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) Following Orthopedic Trauma – Patrick Murphy, MD, MPH, MSc
- Intimate Partner Violence Prevention – Amanda Teichman, MD
- Management of Pleural Effusion in Ventilator-Dependent Critical Care Patients – William Chiu, MD

12:00 pm-1:15 pm

### **Grab & Go Lunch**



**THURSDAY, JANUARY 19, 2023 continued**

**PARALLEL SCIENTIFIC SESSION III**

**POTPOURRI**

**Presiding: Laura S. Johnson, MD & Haytham Kaafarani, MD, MPH**

*1:30 pm pm-3:30 pm*

- 1:30 pm #13 EMERGENCY DEPARTMENT VERSUS OPERATING ROOM INTUBATION OF PATIENTS UNDERGOING IMMEDIATE HEMORRHAGE CONTROL SURGERY  
Institution: Johns Hopkins School of Medicine  
Presenter: Zachary Dunton, BS, MPH  
Discussant: Douglas Schuerer, MD - Washington University School of Medicine
- 1:45 pm #14 CHARACTERIZATION OF FATAL BLUNT INJURIES USING POST-MORTEM COMPUTED TOMOGRAPHY  
Institution: Indiana University  
Presenter: Jeremy Levin, MD  
Discussant: Jordan Estroff, MD - George Washington University
- 2:00 pm #15 BURN EXCISION WITHIN 48 HOURS PORTENDS BETTER OUTCOMES THAN STANDARD MANAGEMENT  
Institution: Ryder Trauma Center, University of Miami Miller School of Medicine  
Presenter: Walter Ramsey, MD  
Discussant: Alisa Savetamal, MD - Bridgeport Hospital/ Connecticut Burn Center
- 2:15 pm #16 AUTOMATED RIB FRACTURE DETECTION AND CHARACTERIZATION ON COMPUTED TOMOGRAPHY SCANS USING COMPUTER VISION  
Institution: Stanford University  
Presenter: Jeff Choi, MD, MSc  
Discussant: Patrick Greiffenstein, MD - LSU Health Science Center-New Orleans
- 2:30 pm #17 PATIENT-REPORTED OUTCOMES IN TRAUMA: WHAT IS IMPORTANT TO INJURED PATIENTS?  
Institution: University of Texas at Austin Dell Medical School  
Presenter: Jason Hutzler, MD  
Discussant: Amy Krichten, MSN, RN, CEN, TCRN - PA Trauma Systems Foundation
- 2:45 pm #18 TIMING OF REGIONAL ANALGESIA IN GERIATRIC BLUNT CHEST WALL INJURY  
Institution: Massachusetts General Hospital  
Presenter: Jefferson Proaño-Zamudio, MD  
Discussant: Sabrina Sanchez, MD, MPH - Boston Medical Center
- 3:00 pm #19 EARLY CAREER ACUTE CARE SURGEONS' WORK PRIORITIES AND PERSPECTIVES: A MIXED-METHODS ANALYSIS  
Institution: Medical College of Wisconsin  
Presenter: Patrick Murphy, MD, MPH, MSc  
Discussant: Scott Sagraves, MD - Baylor Scott & White Medical Center-Temple
- 3:15 pm #20 UTILITY OF CT THORACOLUMBAR SPINAL RECONSTRUCTION IMAGING IN BLUNT TRAUMA  
Institution: Rutgers Robert Wood Johnson Medical School  
Presenter: Abhishek Swarup, MD  
Discussant: Rachel L. Warner, DO - University of Florida-Jacksonville

**THURSDAY, JANUARY 19, 2023 continued**

**PARALLEL SCIENTIFIC SESSION IV  
COX-TEMPLETON INJURY PREVENTION PAPER COMPETITION**

**Presiding: Hee Soo Jung, MD & Dane Scantling, DO, MPH**

*1:30 pm pm-3:30 pm*

- 1:30 pm #21 STEPPING-ON STEPS-UP: EVALUATION OF THE STEPPING-ON FALL PREVENTION PROGRAM  
Institution: UCHealth University of Colorado Hospital  
Presenter: Laurie Lovedale, MPH  
Discussant: Lisa Allee, MSW, LICSW - Boston Medical Center
- 1:45 pm #22 A NOVEL TOOL TO IDENTIFY COMMUNITY RISK FOR FIREARM VIOLENCE: THE FIREARM VIOLENCE VULNERABILITY INDEX (FVVI)  
Institution: University of Chicago  
Presenter: Ann Polcari, MD, MPH, MSGH  
Discussant: Rebecca Plevin, MD - University of California, San Francisco
- 2:00 pm #23 PROJECT INSPIRE PILOT STUDY: A HOSPITAL-LED, COMPREHENSIVE INTERVENTION REDUCES GUN VIOLENCE AMONG JUVENILES DELINQUENT OF GUN CRIMES  
Institution: University of South Alabama  
Presenter: Ashley Williams, MD  
Discussant: Julius Cheng, MD, MPH - University of Rochester Medical Center
- 2:15 pm #24 DEVELOPMENT OF A NOMOGRAM TO IDENTIFY PATIENTS AT RISK OF SELF-HARM AFTER TRAUMA  
Institution: MetroHealth Medical Center  
Presenter: Andrew Tran, MD  
Discussant: D'Andrea Jospeh, MD - NYU-Langone Long Island
- 2:30 pm #25 FIREARM LEGISLATION – THE ASSOCIATION BETWEEN NEIGHBORING STATES AND CRUDE DEATH RATES  
Institution: University of Miami Miller School of Medicine  
Presenter: Majid Chammas, MD  
Discussant: Stephanie Bonne, MD - Hackensack University Medical Center
- 2:45 pm #26 HISTORY REPEATS ITSELF: IMPACT OF MENTAL ILLNESS ON HOSPITAL REENCOUNTERS AND VIOLENT REINJURY AMONG FEMALE VICTIMS OF INTERPERSONAL VIOLENCE  
Institution: Boston University School of Medicine  
Presenter: Miriam Neufeld, MD, MPH  
Discussant: Susan Kartiko, MD, PhD - George Washington University

**End of Cox-Templeton Injury Prevention Paper Competition**

3:45 pm-5:45 pm

**No Suit, No Problem: Fostering Relationships & Building Careers**

Presented by the EAST Career Development Committee

**FRIDAY, JANUARY 20, 2023**

**PARALLEL SCIENTIFIC SESSION V – TRAUMATIC BRAIN INJURY & COAGULATION**

**Presiding: Bellal Joseph, MD & Amy Rushing, MD**

7:45 am-9:45 am

- 7:45 am #27 SIMILAR RATE OF VENOUS THROMBOEMBOLISM AND FAILURE OF NON-OPERATIVE MANAGEMENT FOR EARLY VERSUS DELAYED VTE CHEMOPROPHYLAXIS IN ADOLESCENT BLUNT SOLID ORGAN INJURIES: A PROPENSITY-MATCHED ANALYSIS  
Institution: University of California Irvine  
Presenter: Areg Grigorian, MD  
Discussant: Mathew E. Kutcher, MD MS - University of Mississippi Medical Center
- 8:00 am #28 TRANSFUSION-RELATED COST COMPARISON OF TRAUMA PATIENTS RECEIVING WHOLE BLOOD VERSUS COMPONENT THERAPY  
Institution: University of Texas Health Science Center, San Antonio, TX  
Presenter: John C. Myers, MD  
Discussant: Linda Dultz, MD, MPH - UT Southwestern Parkland Hospital
- 8:15 am #29 DURA VIOLATION IS ASSOCIATED WITH INCREASED PATHOLOGIC HYPERCOAGULABILITY IN TRAUMATIC BRAIN INJURY PATIENTS  
Institution: University of Colorado, Aurora  
Presenter: Julia Coleman, MD, MPH  
Discussant: Nicole M. Bedros, MD - Baylor University Medical Center Dallas
- 8:30 am #30 PREDICTIVE VALUE OF EARLY INFLAMMATORY MARKERS IN TRAUMA PATIENTS  
Institution: University of Cincinnati  
Presenter: Matthew Baucom, MD  
Discussant: Taryn Travis, MD - Medstar Washington Hospital Center
- 8:45 am #31 ANALYSIS OF BIG SCORES AND PLATELET INHIBITION IN PATIENTS WITH TRAUMATIC BRAIN INJURIES  
Institution: University of Tennessee-Chattanooga  
Presenter: Hunter Parmer, BS, MD  
Discussant: Purvi Patel, MD - Loyola University Medical Center
- 9:00 am #32 EARLY POST-TBI TXA PREVENTS BBB HYPERPERMEABILITY INDEPENDENT OF PENUMBRALE LEUKOCYTE MOBILIZATION  
Institution: Perelman School of Medicine, University of Pennsylvania  
Presenter: Matthew Culkin, BS  
Discussant: Susan Rowell, MD, MBA, MCR - University of Chicago
- 9:15 am #33 A RANDOM FOREST MODEL USING FLOW CYTOMETRY DATA IDENTIFIES PULMONARY INFECTION AFTER THORACIC INJURY  
Institution: Emory University School of Medicine  
Presenter: Rondi Gelbard, MD  
Discussant: Mark Hoofnagle, MD, PhD - Washington University
- 9:30 am #34 ARE DATA DRIVING OUR AMBULANCES? LIBERAL USE OF TRANEXAMIC ACID IN THE PREHOSPITAL SETTING  
Institution: Wake Forest University Medical School  
Presenter: Alexandra Brito, MD  
Discussant: Avi Bhavaraju, MD - University of Arkansas for Medical Sciences

**FRIDAY, JANUARY 20, 2023 continued**

**PARALLEL SCIENTIFIC SESSION VI – MULTICENTER TRIALS**

**Presiding: Suresh Agarwal, Jr., MD & Esther Tseng, MD**

7:45 am-9:45 am

- 7:45 am #35 RETHINKING PROTOCOLIZED COMPLETION ANGIOGRAPHY FOLLOWING EXTREMITY VASCULAR TRAUMA: A PROSPECTIVE OBSERVATIONAL MULTICENTER TRIAL  
Institution: University of Pennsylvania  
Presenter: Grace Niziolek, MD  
Discussant: Joseph J. DuBose, MD - Dell School of Medicine, University of Texas-Austin
- 8:00 am #36 MOVING THE NEEDLE ON TIME TO RESUSCITATION: AN EAST PROSPECTIVE MULTICENTER STUDY OF VASCULAR ACCESS IN HYPOTENSIVE INJURED PATIENTS USING TRAUMA VIDEO REVIEW  
Institution: University of Texas Southwestern Medical Center  
Presenter: Ryan Dumas, MD  
Discussant: Allyson M. Hynes, MD - University of New Mexico
- 8:15 am #37 OUTCOMES AMONG TRAUMA PATIENTS WITH DUODENAL LEAK FOLLOWING PRIMARY VS COMPLEX REPAIR OF DUODENAL INJURIES: AN EAST MULTICENTER TRIAL  
Institution: Rutgers Robert Wood Johnson Medical School  
Presenter: Rachel Choron, MD  
Discussant: Sydney Radding, MD - Virginia Commonwealth University
- 8:30 am #38 EARLY VTE PROPHYLAXIS IN SEVERE TRAUMATIC BRAIN INJURY: A PROPENSITY SCORE WEIGHTED EAST MULTI-CENTER STUDY  
Institution: Crozer Chester Medical Center  
Presenter: Daniel Kim, MD  
Discussant: Christina Colosimo, DO, MS - University of Arizona, Tucson
- 8:45 am #39 ANTICOAGULATION IN EMERGENCY GENERAL SURGERY: WHO BLEEDS MORE? THE EAST ACES MULTICENTER TRIAL  
Institution: R Adams Cowley Shock Trauma Center, Univ of Maryland School of Medicine  
Presenter: Lindsay O'Meara, CRNP  
Discussant: Tasce Bongiovanni, MD, MPP, MHS - Zuckerberg San Francisco General Hospital
- 9:00 am #40 DOES FRACTURE FIXATION TECHNIQUE INFLUENCE COGNITIVE OUTCOMES IN TRAUMATIC BRAIN INJURY (TBI)? THE EAST BRAIN VS. BONE MULTICENTER TRIAL  
Institution: R Adams Cowley Shock Trauma Center, Univ of Maryland School of Medicine  
Presenter: Mira Ghneim, MD  
Discussant: Abid Khan, MD - University of Chicago
- 9:15 am #41 CRYSTALLOID VOLUME IS ASSOCIATED WITH SHORT TERM MORBIDITY IN CHILDREN WITH SEVERE TRAUMATIC BRAIN INJURY: AN EASTERN ASSOCIATION FOR THE SURGERY OF TRAUMA MULTICENTER TRIAL POST-HOC ANALYSIS  
Institution: Mayo Clinic  
Presenter: Taleen MacArthur, MD  
Discussant: Molly Deane, MD - Harbor UCLA Medical Center
- 9:30 am #42 WOUND INFECTION RATE AFTER SKIN CLOSURE OF DAMAGE CONTROL LAPAROTOMY WITH WICKS OR INCISIONAL NEGATIVE WOUND THERAPY: AN EAST MULTICENTER TRIAL  
Institution: Prisma Health Upstate  
Presenter: John Cull, MD  
Discussant: Ali F. Mallat, MD, MS - Cleveland Clinic Foundation
- 9:45 am – 10:00 am Break – Refreshments in the Exhibit Area

**FRIDAY, JANUARY 20, 2023 continued**

10:00 am-11:00 am

**Engage the Experts**

*Presented by the EAST Career Development Committee*

The “Engage the Experts” forum will be a highly interactive session that will allow residents, fellows and junior faculty members to present brief, interesting cases to a panel of Experts who will discuss management options, pitfalls, and innovations.

Moderators: Roberto Castillo, DO; Prerna Ladha, MBBS; Alaina Lasinski, MD; Hassan Mashbari, MD; Jacinta Robenstine, MD; Stephanie Streit, MD

Experts:

Thomas Duncan, DO, FACS, FICS

Sharon Henry, MD, FACS

Stephanie Savage, MD, MS, FACS

Case Presentations:

Morgan Evans, MD, University of New Mexico

Raafat Kuk, MD, Baylor Scott and White/Temple, TX

Konstantin Khariton, DO, New York Presbyterian Queens

11:15 am-12:00 pm

**Scott B. Frame, MD Memorial Lecture**

**It’s Not a Simple Ankle Fracture**

**Rosemary A. Kozar, MD, PhD, FACS**

12:15 pm-1:30 pm

**EAST Awards Ceremony & Recognition & Gavel Exchange Luncheon**

Open to all Assembly Attendees

## **FRIDAY, JANUARY 20, 2023 continued**

### **2:00 pm-5:00 pm - EAST Short Courses (concurrent)**

#### **Short Course #1**

##### **Developing the Surgeon Scientist Across All Career Stages**

*Presented by the EAST Research-Scholarship Committee*

This short course will focus on high-yield topics and insights to assist the developing surgeon scientist across many stages of their academic career, and will be organized around tracks tailored to various stages of the surgeon scientist career trajectory. By centering the course around the principle of sustainability of research careers, it will fill the ongoing need for strategic training and preparation of surgeon scientist to combat barriers related to success in:

- Launching a focused and sustained research program, and
- Transitioning from a developmental to a sustained mature research program, and/or pivoting mature research programs through career transitions

Moderators: Lucy Kornblith, MD, Claire Isbell, MD & Niels Martin, MD

Speakers:

Rachael Callcut, MD, MSPH

Michael Goodman, MD

Vanessa Ho, MD, MPH

Jane Keating, MD

Lucy Kornblith, MD

Kazuhide Matsushima, MD

Jonathan Meizoso, MD, MSPH

Niels Martin, MD

Jacob Peschman, MD

Jillian Richter, PhD

Sharven Taghavi, MD, MPH, MS

Ben Zarzaur, MD, MPH

#### **Short Course #2**

##### **Developing an Emergency General Surgery Quality Improvement Program**

*Presented by the EAST Emergency General Surgery Committee*

Robust data collection and formal quality verification programs allow for a multidisciplinary approach to rapid problem identification, data driven analysis, process improvement, and resolution of events. Emergency General Surgery (EGS) constitutes a significant portion of healthcare costs, which are only expected to rise with an aging population. The mission of an EGS quality improvement (QI) program should center on improving all aspects of emergent surgical care delivery including outcomes and optimization of resource utilization. Establishing national standards for the EGS patient population would allow programs to compare risk-adjusted outcomes, refine practices, and increase performance overall. This course will focus on the importance of quality improvement (QI) in Emergency General Surgery (EGS) programs and organizational impact. The course will highlight QI program development and aid in identification of methods to collect and report data. The course will compare similarities and differences between EGS and Trauma program verification.

Moderator: Carlos Rodriguez, DO, MBA

Speakers:

Kimberly Cartwright, BSN, RN, TCRN, CCRN-K

Sheryl Cloud, BSN, RN, CSTR, CAISS

Carlos Rodriguez, DO, MBA

Danielle Sherar, MBA, RN, TCRN

## **FRIDAY, JANUARY 20, 2023 continued**

### **2:00 pm-5:00 pm - EAST Short Courses (concurrent)**

#### **Short Course #3**

##### **Extracorporeal Life Support: To Infinity & Beyond**

*Presented by the EAST Career Development Committee*

Extracorporeal Life Support is an essential service in any hospital. Surgeons taking in-house trauma call are in position to lead the establishment of an ECLS Service. From determination of need, to cannula placement, to pump management, trauma surgeons have the knowledge and skills to manage these complex patients. How to successfully start an ECLS Service from the ground up will be covered. Essential personnel to involve for the proforma, the service development, the ECLS specialists (RNs, RTs, perfusionists), and the ECLS Attendings will be discussed as well as current indications for Venovenous and Venovenous-arterial ECMO. What is the future for ECLS in Trauma, Emergency General Surgery, and beyond?

Moderator: Ryan Lawless, MD

Speakers:

April Grant, MD

Mamoun Abu Habsa, MBBS

Ryan Lawless, MD

Jay Menaker, MD

Salina Wydo, MD

#### **Short Course #4**

##### **Skill Sustainment: Maintaining Operative Competency in the Face of Decreasing Operative Cases**

*Presented by the EAST Military Committee*

With increasing implementation of non-operative management strategies and the rise of minimally invasive treatment modalities, fewer trauma patients are undergoing operative intervention. Maintaining operative skills requires repetition and it is difficult to remain proficient in procedures that are encountered less frequently. There are different opportunities available to continue to hone operative skills. This course is designed to help surgeons identify opportunities to maintain their procedural proficiency outside of the traditional clinical model. These include standardized operative skill training courses, simulation, global surgery and hospital partnerships. Hear from the experts and see how one or more of these could be beneficial to your practice.

Moderators: Scott Armen, MD & Christina Riojas, MD

Presentations/Speakers:

Standardized Operative Skill Training Courses – including ASSET/ATOM, BEST - Mark Buzzelli, MD & Valerie Sams, MD

Simulation with Models vs Perfused Cadavers vs Standardized Courses: Pro-Con Discussion – Michael Klein, MD, Michael Minneti, MEd, Kevin Kemp, MD

Case Based Simulation – Training the Next Generation – Imad Haque, MD

Experience with Global Surgery – David Hardin, MD, Jason Hiles, MD

Partnerships – Collaborating with our Colleagues at Lower Volume Centers – Mark Buzzelli, MD