

Eastern Association for the Surgery of Trauma (EAST)
34th Annual Scientific Assembly
SCIENTIFIC SESSIONS
WEDNESDAY, JANUARY 13, 2021

Times Listed are Eastern

11:00 am-11:10 am EST **Welcome and Opening Remarks**
A. Britton Christmas, MD, EAST President
Cynthia Talley, MD, EAST Annual Scientific Assembly Chair

SCIENTIFIC SESSION I
RAYMOND H. ALEXANDER, MD RESIDENT PAPER COMPETITION
Presiding: Cynthia Talley, MD & Alicia Mohr, MD

11:10 am-1:25 pm Eastern

- 11:10 am EST #1 **ULTRA-MASSIVE TRANSFUSION OUTCOMES IN A MODERN ERA: AN EAST MULTICENTER STUDY**
Presenter: Zachary Matthey, MD
Discussant: CPT Patrick McCarthy, MD
- 11:25 am EST #2 **FFP MAINTAINS NORMAL COAGULATION WHILE PCC INDUCES A HYPERCOAGULABLE STATE IN A PORCINE MODEL OF PULMONARY CONTUSION AND HEMORRHAGIC SHOCK**
Presenter: Alexandra Dixon, MD, MPH
Discussant: Julia Coleman, MD, MPH
- 11:40 am EST #3 **DOSE-DEPENDENT ASSOCIATION BETWEEN BLOOD TRANSFUSION AND NOSOCOMIAL INFECTIONS IN TRAUMA PATIENTS: A SECONDARY ANALYSIS OF PATIENTS FROM THE PAMPER TRIAL**
Presenter: Husayn Ladhani, MD
Discussant: Zachary Warriner, MD
- 11:55 am EST #4 **WHOLE BLOOD (WB) RESUSCITATION RESTORES INTESTINAL PERFUSION AND INFLUENCES GUT MICROBIOME (GM) DIVERSITY**
Presenter: Jaclyn Yracheta, MD
Discussant: Samuel Carmichael, MD, MS
- 12:10 pm EST #5 **ASSOCIATION BETWEEN PEDIATRIC TRAUMA CENTER CARE AND MOTOR VEHICLE CRASH DEATH IN CHILDREN: AN ECOLOGIC ANALYSIS OF US COUNTIES**
Presenter: James Byrne, MD, PhD
Discussant: Perna Ladha, MBBS
- 12:25 pm EST #6 **ANTITHROMBIN III AFTER TBI IMPROVES MORRIS WATER MAZE PERFORMANCE, RECOVERING CUED AND SPATIAL LEARNING**
Presenter: Mohamed Alaaeldin Elsaadani, MD
Discussant: Jonathan Parks, MD
- 12:40 pm EST #7 **ASSESSING THE EFFECT OF THE EAST GUIDELINE ON UTILIZATION OF SPINAL MRI IN THE OBTUNDED ADULT BLUNT TRAUMA PATIENT OVER TIME**
Presenter: Mihir Chaudhary, MD
Discussant: Jeanette Zhang, MD
- 12:55 pm EST #8 **NOVEL TRAUMA COMPOSITE SCORE IS SUPERIOR TO INJURY SEVERITY SCORE IN PREDICTING MORTALITY ACROSS ALL AGES**
Presenter: Robert Keskey, MD
Discussant: Nicole Toscano, MD
- 1:10 pm EST #9 **FUTILE TRAUMA TRANSFERS: AN INFREQUENT BUT COSTLY COMPONENT OF REGIONALIZED TRAUMA CARE**
Presenter: Craig Follette, DO
Discussant: Jacinta Robenstine, MD

End of Raymond H. Alexander, MD Resident Paper Competition

WEDNESDAY, JANUARY 13, 2021 continued

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1:25 pm-2:00 pm EST Break

2:00 pm-3:00 pm EST

Highlights Hour

EAST Practice Management Guidelines – 2:00 pm-2:30 pm

Presented by the EAST Guidelines Committee

Moderators: John J. Como, MD, MPH & Nicole Fox, MD, MPH

- Duration of Antimicrobial Treatment for Surgical Intra-abdominal Infections – Jin Ra, MD
 - REBOA use in Hemorrhage Control – Nikolay Bugaev, MD
 - Splenic Function and Need for Vaccination after Angio-Embolization – Jennifer Freeman, MD
- Live Discussion and Q/A with the Presenters

Scientific Papers That Should Change Your Practice – 2:30 pm-3:00 pm

Presented by the Manuscript and Literature Review Committee

Moderator: David S. Morris, MD

- Emergency General Surgery – Brian Myer, MD
 - Surgical Critical Care – Dennis Kim, MD
 - Trauma – Kelley Sookraj, MD
 - Miscellaneous – Letitia Bible, MD
- Live Discussion and Q/A with the Presenters

3:15 pm-4:15 pm EST

Opening Keynote – Presidential Address

A. Britton Christmas, MD, FACS

PARALLEL SCIENTIFIC SESSION II

COX-TEMPLETON INJURY PREVENTION PAPER COMPETITION

Presiding: Bruce Chung, MD & Hee Soo Jung, MD

4:30 pm-6:00 pm Eastern

4:30 pm EST

#10

BANG FOR THE BUCK: THE IMPACT OF POLITICAL FINANCIAL CONTRIBUTIONS ON FIREARM LAWS

Presenter: Dane Scantling, DO, MPH

Discussant: Jessica Beard, MD

4:45 pm EST

#11

STOP THE FALL: IDENTIFYING THE 50% OF GERIATRIC TRAUMA PATIENTS WITH SIGNIFICANT VISION LOSS

Presenter: James Bardes, MD

Discussant: Melike Harfouche, MD

5:00 pm EST

#12

EAST'S ANNUAL DISTRACTED DRIVING OUTREACH EVENT: A MULTI-YEAR EVALUATION AND LESSONS LEARNED

Presenter: Julius Cheng, MD, MPH

Discussant: Margaret Lauerman, MD

5:15 pm EST

#13

THE ABSENCE OF CROSSING GUARDS INCREASES THE RISK OF AUTO-PEDESTRIAN CRASHES IN SCHOOL AGE CHILDREN

Presenter: Chad Morrison, DO

Discussant: Rachel Rodriguez, MD

5:30 pm EST

#14

FIREARM HOMICIDE MORTALITY IS INFLUENCED BY STRUCTURAL RACISM IN U.S. METROPOLITAN AREAS

Presenter: August Houghton, BS

Discussant: Ashley Hink, MD, MPH

5:45 pm EST

#15

TRAFFIC STOPS DO NOT PREVENT TRAFFIC DEATHS

Presenter: Anuja Sarode, MPH

Discussant: Leah Tatebe, MD

End of Cox-Templeton Injury Prevention Paper Competition

WEDNESDAY, JANUARY 13, 2021 continued

Times Listed are Eastern

**PARALLEL SCIENTIFIC SESSION III
RESUSCITATION**

Presiding: Bellal Joseph, MD & Martin Zielinski, MD

4:30 pm-6:00 pm Eastern

- 4:30 pm EST #16 PREHOSPITAL END TIDAL CARBON DIOXIDE AS A PREDICTOR OF MASSIVE TRANSFUSION: AN EAST MULTICENTER STUDY
Presenter: Eric Campion, MD
Discussant: Benjamin Moran, MD
- 4:45 pm EST #17 CAN RH+ WHOLE BLOOD BE SAFELY USED AS AN ALTERNATIVE TO RH- PRODUCT? AN ANALYSIS OF EFFORTS TO IMPROVE THE SUSTAINABILITY OF A HOSPITAL'S LOW TITER GROUP O WHOLE BLOOD PROGRAM
Presenter: Cameron McCoy, MD
Discussant: John Kubasiak, MD
- 5:00 pm EST #18 FOUR-FACTOR PROTHROMBIN COMPLEX CONCENTRATE IN ADJUNCT TO WHOLE BLOOD IN TRAUMA-RELATED HEMORRHAGE: DOES WHOLE BLOOD REPLACE THE NEED OF FACTORS?
Presenter: Muhammad Khurram, MD
Discussant: Andrew Young, MD
- 5:15 pm EST #19 EAST MCT: COMPARISON OF PRE-INJURY ANTITHROMBOTIC USE AND REVERSAL STRATEGIES AMONG SEVERE TBI PATIENTS
Presenter: Brian Yorkgitis, DO
Discussant: Jamie Tung, MD
- 5:30 pm EST #20 IS CEREBRAL PERFUSION MAINTAINED DURING FULL AND PARTIAL REBOA IN HEMORRHAGIC SHOCK CONDITIONS?
Presenter: Derek Benham, MD
Discussant: Madhu Subramanian, MD
- 5:45 pm EST #21 COMBATting ISCHEMIA REPERFUSION INJURY FROM RESUSCITATIVE ENDOVASCULAR BALLOON OCCLUSION OF THE AORTA (REBOA) USING ADENOSINE, LIDOCAINE AND MAGNESIUM: A PILOT STUDY
Presenter: Jeff Conner, MD
Discussant: Ryan Dumas, MD
- 6:00 pm-6:15 pm EST Day I Wrap Up – A. Britton Christmas, MD, FACS, EAST President

THURSDAY, JANUARY 14, 2021

Times Listed are Eastern

9:45 am-10:30 am EST **EAST Member Forum**– *Open to all EAST Members*
Link to forum will be sent separately.

11:00 am-12:00 pm EST **Scott B. Frame, MD Memorial Lecture**
15 Years beyond IOM and The Future of Emergency Care in the US Health System: Illusions, Delusions, and Situational Awareness
Mary E. Fallat, MD, FACS

PARALLEL SCIENTIFIC SESSION IV
EMERGENCY GENERAL SURGERY/TRAUMA
Presiding: Shannon Foster, MD & Haytham Kaafarani, MD
12:15 pm-1:45 pm Eastern

12:15 pm EST #22 THE BURDEN OF READMISSION AFTER DISCHARGE FROM NECROTIZING
SOFT TISSUE INFECTION
Presenter: Eman Toraih, MD
Discussant: Laura Brown, MD

12:30 pm EST #23 LONG-TERM SURVIVAL IN HIGH-RISK OLDER ADULTS FOLLOWING
EMERGENCY GENERAL SURGERY
Presenter: Matthew Guttman, MD
Discussant: Thomas Shoultz, MD

12:45 pm EST #24 AN INTEGRATIVE MODEL USING FLOW CYTOMETRY IDENTIFIES
NOSOCOMIAL INFECTION AFTER TRAUMA
Presenter: Rondi Gelbard, MD
Discussant: Letitia Bible, MD

1:00 pm EST #25 FACTORS ASSOCIATED WITH STROKE FORMATION IN BLUNT
CEREBROVASCULAR INJURY: AN EAST MULTICENTER STUDY
RESPONDERS
Presenter: Emily Esposito, DO
Discussant: Jill Streams, MD

1:15 pm EST #26 A MULTICENTER STUDY OF SURGICAL STABILIZATION OF RIB FRACTURES IN
OCTOGENARIANS AND BEYOND – WHAT ARE THE OUTCOMES?
Presenter: Frederic Pieracci, MD, MPH
Discussant: Linda Dultz, MD, MPH

1:30 pm EST #27 INTERNAL FIXATION WITH A FULLY RESORBABLE POLY (ESTER UREA) SHELL
PROMOTES EARLY BONE FORMATION AND FUNCTIONAL RECOVERY: A
PILOT STUDY
Presenter: Joseph Fernandez-Moure, MD, MS
Discussant: Elinore Kaufman, MD

THURSDAY, JANUARY 14, 2021 continued

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**PARALLEL SCIENTIFIC SESSION V
TRAUMA SYSTEMS**

Presiding: Gary Marshall, MD & Mayur Patel, MD, MPH

12:15 pm-1:45 pm Eastern

- 12:15 pm EST #28 TRAUMA AND NON-TRAUMA DAMAGE CONTROL LAPAROTOMY: THE DIFFERENCE IS DELIRIUM (DATA FROM THE EAST SLEEP-TIME MULTICENTER TRIAL)
Presenter: Kaitlin McArthur, BS
Discussant: Molly Douglas, MD
- 12:30 pm EST #29 A COMPREHENSIVE ANALYSIS OF UNDERTRIAGE IN A MATURE TRAUMA SYSTEM USING GEOSPATIAL MAPPING
Presenter: George Maish, III, MD
Discussant: Esther Tseng, MD
- 12:45 pm EST #30 DERIVATION AND VALIDATION OF THE TRAUMA OUTCOMES PREDICTOR (TOP): AN ARTIFICIAL-INTELLIGENCE-BASED, INTERACTIVE AND USER-FRIENDLY CALCULATOR TO PREDICT OUTCOMES IN TRAUMA PATIENTS
Presenter: Lydia Maurer, MD
Discussant: Caroline Park, MD, MPH
- 1:00 pm EST #31 AN EAST MULTICENTER TRIAL EXAMINING PREHOSPITAL PROCEDURES IN PENETRATING TRAUMA PATIENTS
Presenter: Sharven Taghavi, MD, MPH, MS
Discussant: Alaina Lasinski, MD
- 1:15 pm EST #32 INSULT TO INJURY: NATIONAL ANALYSIS OF LONG-TERM OUTCOMES OF WORKING-AGE TRAUMA PATIENTS
Presenter: Pooja Neiman, MD, MPA
Discussant: Lane Frasier, MD
- 1:30 pm EST #33 VARIATION IN NEUROSURGICAL INTERVENTION FOR SEVERE TBI: THE CHALLENGE OF MEASURING QUALITY IN TRAUMA CENTER VERIFICATION
Presenter: Evelyn Truong, BS
Discussant: Elizabeth Turner, MD, MS
- 1:45 pm-2:15 pm EST Break

THURSDAY, JANUARY 14, 2021 continued

Times Listed are Eastern

QUICK SHOTS PARALLEL SESSION I

Presiding: Vanessa Ho, MD, MPH & Brian Yorkgitis, DO

2:15 pm-3:15 pm Eastern

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| 2:15 pm EST | #1 | ENOXAPARIN TITRATED BY ANTI-XA LEVELS REDUCES VENOUS THROMBOEMBOLISM IN TRAUMA PATIENTS
Presenter: Rebecca Gates, MD |
| 2:21 pm EST | #2 | LACTATE AS A MEDIATOR OF PREHOSPITAL PLASMA MORTALITY REDUCTION IN HEMORRHAGIC SHOCK
Presenter: Stephen Canton, MS |
| 2:27 pm EST | #3 | NEVER-FROZEN LIQUID PLASMA TRANSFUSION IN CIVILIAN TRAUMA: A NATIONWIDE PROPENSITY-MATCHED ANALYSIS
Presenter: Mohamad Chehab, MD |
| 2:33 pm EST | #4 | PREPERITONEAL PACKING FOR PELVIC HEMORRHAGE IS ASSOCIATED WITH INCREASED RISK OF VENOUS THROMBOEMBOLIC COMPLICATIONS: A PROPENSITY SCORE MATCHING ANALYSIS
Presenter: Leon Naar, MD |
| 2:39 pm EST | #5 | FRAIL GERIATRIC PATIENTS WITH ACUTE CALCULOUS CHOLECYSTITIS: OPERATIVE VS. NONOPERATIVE MANAGEMENT?
Presenter: Samer Asmar, MD |
| 2:45 pm EST | #6 | THE ROLE OF PERIOPERATIVE ANTIBIOTICS: ANALYSIS OF THE EAST MULTICENTER RETAINED COMMON BILE DUCT STONE STUDY
Presenter: Brett Tracy, MD |
| 2:51 pm EST | #7 | DO SURGICAL EMERGENCIES STAY AT HOME? OBSERVATIONS FROM THE FIRST US COVID EPICENTER
Presenter: Caroline Dong, MD |
| 2:57 pm EST | #8 | BENZODIAZEPINES INCREASE THE LIKELIHOOD OF BOTH INFECTIOUS AND THROMBOTIC COMPLICATIONS
Presenter: Edward Skicki, DO |
| 3:03 pm EST | #9 | SEVERE TRAUMA AND CHRONIC STRESS LEAD TO CHANGES IN THE INTESTINAL MICROBIOME DOMINATED BY RUMINOCOCCUS AND BACTEROIDES
Presenter: Lauren Kelly, MD |

THURSDAY, JANUARY 14, 2021 continued

Times Listed are Eastern

QUICK SHOTS PARALLEL SESSION II

Presiding: Michael Cripps, MD & Jordan Estroff, MD

2:15 pm-3:15 pm Eastern

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| 2:15 pm EST | #10 | IS MORE BETTER? DO STATEWIDE INCREASES IN TRAUMA CENTERS REDUCE INJURY-RELATED MORTALITY?
Presenter: Evelyn Truong, BS |
| 2:21 pm EST | #11 | POLICE TRANSPORT OF FIREARM-INJURED PATIENTS – MORE OFTEN AND MORE INJURED
Presenter: Zoë Maher, MD |
| 2:27 pm EST | #12 | GEOSPATIAL ASSESSMENT OF AIR MEDICAL OVERTRIAGE
Presenter: Andrew-Paul Deeb, MD |
| 2:33 pm EST | #13 | RACIAL DISPARITIES IN TRIAGE OF ADOLESCENT PATIENTS AFTER BULLET INJURY
Presenter: Erin Andrade, MD, MPH |
| 2:39 pm EST | #14 | COMPARING FATAL CHILD ABUSE INVOLVING BIOLOGICAL AND SURROGATE PARENTS
Presenter: Maxwell Presser |
| 2:45 pm EST | #15 | DRIVER'S EDGE: AN OUTCOME EVALUATION OF A YOUNG DRIVER ADVANCED TRAINING PROGRAM
Presenter: Laura Gryder, MA |
| 2:51 pm EST | #16 | EFFECT OF INJURY LOCATION AND SEVERITY ON OPIOID USE AFTER TRAUMA
Presenter: Craig Brown, MD, MSc |
| 2:57 pm EST | #17 | DEXMEDETOMIDINE AND PARALYTIC EXPOSURE AFTER DAMAGE CONTROL LAPAROTOMY: RISK FACTORS FOR DELIRIUM? RESULTS FROM THE EAST SLEEP-TIME MULTICENTER TRIAL
Presenter: Cassandra Krause, MD, MA |
| 3:15 pm-3:30 pm EST | | Break |

THURSDAY, JANUARY 14, 2021 continued

Times Listed are Eastern

SURGICAL VIDEOS

Presiding: Matthew Lissauer, MD & Niels Martin, MD

3:30 pm-4:18 pm Eastern

- 3:30 pm EST #1 PENETRATING TRAUMA TO THE NECK: UTILIZING YOUR VASCULAR TOOLKIT
Presenter: Kenneth Coleman, DO
- 3:42 pm EST #2 WHEN TO STAY OUT OF THE ABDOMEN: EXTENDING EXTRAPERITONEAL APPROACHES TO COMPLEX VENTRAL HERNIAS
Presenter: Andrea Pakula, MD, MPH
- 3:54 pm EST #3 LOOKING FOR CLOSURE: HTEE AS A GUIDE TO OPEN BODY CAVITIES
Presenter: David Poliner, DO, MPH
- 4:06 pm EST #4 MASSIVE BURNS AFTER FORGE EXPLOSION: NEW TECHNIQUE TO PROTECT PERINEAL SKIN GRAFTS WITHOUT A DIVERTING OSTOMY
Presenter: David Dries, MD

4:30 pm-5:00 pm EST **EAST Awards Ceremony & Recognition & Gavel Exchange**

Open to All Meeting Attendees

- Raymond H. Alexander, MD Resident Paper Competition
- Best Manuscript Award
- John P. Pryor, MD Distinguished Service in Military Casualty Care Award
- John M. Templeton, Jr., MD Military Call to Service Scholarship
- Cox-Templeton Injury Prevention Paper Award
- 2021 John M. Templeton, Jr., MD Injury Prevention Research Scholarship
- 2021 Trauma Research Scholarship
- 2021 Multicenter Trials Junior Investigator Award
- EAST Oriens Award

5:00 pm-6:00 pm EST **EAST Annual Oriens Presentations**

Presented by the EAST Career Development Committee

Supported by an unrestricted grant from the Polk Family Charitable Foundation

5:00 pm-5:05 pm

Introduction

Brad Dennis, MD, FACS

5:05 pm-5:35 pm

Keynote Address – Sharing, Caring, and Cutting Shapes

Speaker: Sharon Henry, MD, FACS

5:35 pm-5:55 pm - 2021 EAST Oriens Essay Presentations

Resident Winner – Alexandra C. Ferre, MD

Fellow Winner – Margo N. Carlin, DO

6:00 pm-6:15 pm EST

Closing Remarks

Jeffrey A. Claridge, MD, MS, FACS

EAST President 2021