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 Matthay, 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: Prerna Ladha, MBBS

12:25 pm EST #6 ANTITHROMBIN III AFTER TBI IMPROVES MORRIS WATER MAZE PERFORMANCE, RECOVERING CUED AND SPATIAL LEARNING
Presenter: Mohamed Alaeldin 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

Times Listed are Eastern

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
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 Khurrum, 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 1 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
Times Listed are Eastern

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

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