The care of injured and critically ill patients is complex and challenging. The Harvard Trauma & Critical Care Symposium aims to give clear guidelines to practicing clinicians who manage such patients. This symposium offers an ideal mix of the traditional standard-of-care principles with new, cutting edge information. It explores issues in several areas including resuscitation, surgical techniques, bleeding control, inflammation and infection, respiratory care, nutrition, prehospital care, rehabilitation, and ethics. Multiple learning modalities will be incorporated into the course to engage the learner in the educational process and help them develop new strategies they can apply in their own practice setting.

Learning Objectives

Upon completion of this course, participants will be able to:

- Apply newly acquired knowledge in the management of trauma patients
- Formulate complete resuscitation strategies based on evidence-based guidelines and expert opinion
- Select appropriate diagnostic and therapeutic algorithms for specific trauma presentations
- Evaluate the evidence supporting diagnostic algorithms and clinical pathways
- Compare and contrast standard-of-care management with cutting-edge treatments

Target Audience

Surgeons, critical care specialists, emergency medicine physicians, nurses, prehospital providers, nurse practitioners, physician assistants.

ACGME Competencies

This course is designed to meet one or more of the following Accreditation Council of Graduate Medical Education competencies:

- Patient care
- Medical knowledge
- Practice-based learning and improvement
- Systems-based practice

Course Location

All sessions for this course will be held at The Fairmont Copley Plaza, 138 St. James Avenue, Boston, MA 02116

Faculty

**SYMPOSIUM DIRECTOR**

George C. Velmahos, MD, PhD, MSEd
John F. Burke Professor of Surgery
Harvard Medical School
Chief, Division of Trauma, Emergency Surgery & Surgical Critical Care
Massachusetts General Hospital

**ADMINISTRATIVE COORDINATOR**

Rosangely Cintron, AAGS
Division of Trauma, Emergency Surgery & Surgical Critical Care
Massachusetts General Hospital
Hasan B. Alam, MD
Professor of Surgery
Section Head of General Surgery
University of Michigan

Carlos V.R. Brown, MD
Associate Professor of Surgery
Dell Medical School, University of Texas
Trauma Medical Director
University Medical Center, Brackenridge

Peter A. Burke, MD
Professor of Surgery
Boston University School of Medicine
Chief of Trauma & Surgical Critical Care
Boston Medical Center

Kimberly A. Davis, MD
Professor of Surgery
Vice Chairman of Clinical Affairs
Chief of the Section of Trauma, Surgical Critical Care & Surgical Emergencies
Yale University School of Medicine
Yale-New Haven Hospital

Tracey A. Dechert, MD
Assistant Professor of Surgery
University School of Medicine
General Surgery, Critical Care Medicine
Boston Medical Center

Demetrios Demetriades, MD, PhD
Professor of Surgery
Director of Trauma, Emergency Surgery & Surgical Critical Care
University of Southern California

Andrew R. Doben, MD
Assistant Professor of Surgery
Tufts University School of Medicine
Attending Surgeon
Baystate Medical Center

Timothy A. Emhoff, MD
Chief, Trauma & Surgical Critical Care
University of Massachusetts Memorial Medical Center

Samantha Endicott, MPH
Regional Team-Leader
New England Organ Bank

Ronald I. Gross, MD
Associate Professor of Surgery
Tufts School of Medicine
Chief, Division of Trauma, Acute Care Surgery & Surgical Critical Care
Baystate Medical Center

Brooke Hensley, MD
Emergency Medicine Physician
North Shore Medical Center

George Kasotakis, MD
Assistant Professor of Surgery
Boston University Medical School
Section of Trauma, Acute Care Surgery & Surgical Critical Care
Boston Medical Center

Kevin T. Kiely
In-House Coordinator
Massachusetts General Hospital
The New England Organ Bank

Matthew J. Martin, MD
Associate Professor of Surgery
Colonel, US Army
University of Washington School of Medicine
Uniformed Services University of the Health Sciences
Trauma Medical Director,
Chief of Surgical Critical Care
Madigan Army Medical Center
Joint Base Lewis-McChord, Washington

Tahira F. Mirza, MD
Assistant Professor
Traumatology & Emergency Medicine
University of Connecticut
Hartford Hospital

Brian P. O’Gara, MD
Instructor in Anesthesia
Department of Anesthesia, Pain and Critical Care
Beth Israel Deaconess Medical Center

Reuven Rabinovici, MD
Professor of Surgery
Tufts University School of Medicine
Chief, Division of Trauma & Acute Care Surgery
Tufts Medical Center

Heena P. Santry, MD
Assistant Professor of Surgery and Quantitative Health Sciences
Director, Trauma Outcomes Research and Quality Improvement
Program Director, Surgical Research Scholars Program
University of Massachusetts Memorial

Robert Schulze, MD
Associate Professor of Surgery
Chief, Section of Surgical Critical Care
Boston University School of Medicine

Jill P. Stinebring, RN
Regional Director
New England Organ Bank

Michael J. Weaver, MD
Clinical Instructor
Director of Research, Orthopaedic Trauma Initiative
Brigham and Women’s Hospital

Jil Zalieckas, MD
Assistant in Surgery
Assistant in Critical Care Medicine
Boston Children’s Hospital
Reza Askari, MD  
Instructor in Surgery  
Associate Trauma Director  
Brigham & Women's Hospital

Aranya Bagchi, MBBS  
Instructor in Anesthesia  
Assistant in Anesthesia/Critical Care  
Massachusetts General Hospital

Sheri M. Berg, MD  
Anesthesia, Critical Care and Pain Medicine  
Massachusetts General Hospital

Christopher J. Burns, MD  
Surgery  
Brigham & Women's Hospital

Kathryn L. Butler, MD  
Assistant in Surgery  
Associate Clership Director  
Division of Trauma, Emergency Surgery & Surgical Critical Care  
Massachusetts General Hospital

Thomas D. Cha, MD  
Instructor in Orthopaedic Surgery  
Orthopaedic Spine Service  
Massachusetts General Hospital

David C. Chang, PhD  
Associate Professor of Surgery  
Director of Healthcare Research and Policy Development  
Department of Surgery  
Massachusetts General Hospital

Ari R. Cohen, MD  
Chief, Division of Pediatric Emergency Medicine  
Massachusetts General Hospital

Alasdair K.T. Conn, MD  
Associate Professor of Surgery  
Medical Director of the MGH Inpatient Access and Transfer Center  
Chief Emeritus, Department of Emergency Medicine  
Massachusetts General Hospital

Charles H. Cook, MD  
Associate Professor of Surgery  
Chief, Division of Acute Care Surgery & Trauma, Surgical Critical Care  
Beth Israel Deaconess Medical Center

Jonathan F. Critchlow, MD  
Assistant Professor of Surgery  
University of California  
Chair, BIDMC Organ Donation Council  
Associate Chief, Division of General Surgery  
Director, Surgical Venous Access Service  
Beth Israel Deaconess Medical Center

Marc A. deMoya, MD  
Associate Professor of Surgery  
Medical Director of Trauma & SICU  
Division of Trauma, Emergency Surgery, & Surgical Critical Care  
Massachusetts General Hospital

Christopher DePesa, RN  
Trauma Nurse Coordinator  
Division of Trauma, Emergency Surgery, & Surgical Critical Care  
Massachusetts General Hospital

Walter H. Dzik, MD  
Associate Professor of Pathology  
Co-Director, Blood Transfusion Service, Massachusetts General Hospital

Kyle R. Eberlin, MD  
Instructor of Surgery  
Division of Plastic and Reconstructive Surgery  
Massachusetts General Hospital

Brian L. Edlow, MD  
Instructor in Neurology  
Associate Director, MGH Neuro Technology Trials Unit  
Director, MGH Critical Care Research Neuroimaging  
Massachusetts General Hospital

Peter J. Fagenholz, MD  
Instructor in Surgery  
Division of Trauma, Emergency Surgery & Surgical Critical Care  
Massachusetts General Hospital

David Fink, MD  
Trauma Surgeon  
Brigham & Women's Hospital

Miguel M. Gaeta, MD  
Instructor in Surgery  
Massachusetts General Hospital  
Medical Director of Trauma  
Elliot Hospital

Jonathan D. Gates, MD  
Associate Professor of Surgery  
Vascular Surgeon, Trauma Surgeon  
Director of the Trauma Center  
Brigham and Women's Hospital

Denise W. Gee, MD  
Assistant Professor in Surgery  
Assistant Surgeon in Surgery  
Massachusetts General Hospital

Joshua N. Goldstein, MD  
Associate Professor, Harvard Medical School  
Director, Center for Neurologic Emergencies  
Department of Emergency Medicine  
Massachusetts General Hospital
James A. Gordon, MD
Professor of Emergency Medicine
Director, Gilbert Program in Medical Simulation
Director, MGH Learning Laboratory
Chief, Division of Medical Simulation
Department of Emergency Medicine
Massachusetts General Hospital

Jeremy Goverman, MD
Assistant Professor of Surgery
Department of Surgery and Division of Burns
Massachusetts General Hospital

Galen Vincent Henderson, MD
Assistant Professor
Director, Neurocritical Care and Neuroscience
Brigham & Women’s Hospital

Marilyn Heng, MD
Instructor
HMS Orthopaedic Trauma Initiative
Orthopaedic Surgeon
Massachusetts General Hospital

Haytham Kaafarani, MD
Assistant Professor of Surgery
Patient Safety & Quality Director
Division of Trauma, Emergency Surgery and Surgical Critical Care
Massachusetts General Hospital

Edward Kelly, MD
Assistant Professor of Surgery
Division of Burn, Trauma and Surgical Critical Care
Department of Surgery
Brigham and Women’s Hospital

David R. King, MD
Assistant Professor of Surgery
Director, Knight Surgical Research Laboratory
Director, Clinical Research Program
Associate Director, Surgical Critical Care and Acute Care Surgery Fellowship
Division of Trauma, Emergency Surgery & Surgical Critical Care
Massachusetts General Hospital

Jarone Lee, MD
Assistant Professor of Surgery and Emergency Medicine
Quality Director, Surgical Critical Care
Division of Trauma, Emergency Surgery, & Surgical Critical Care
Massachusetts General Hospital

Peter T. Masiakos, MD
Associate Professor of Surgery
Director, Pediatric Surgery Service
Massachusetts General Hospital

Frederick H. Millham, MD
Associate Clinical Professor of Surgery
Chair of Surgery
South Shore Hospital

David Mooney, MD
Associate Professor
Director, Trauma Center
Boston Children’s Hospital

Stephanie L. Nitzschke, MD
Instructor in Surgery
Trauma, Burn and Surgical Critical Care
Brigham & Women’s Hospital

Erika L. Rangel, MD
Instructor in Surgery
Trauma, Burn, and Surgical Critical Care
Brigham & Women’s Hospital

Kate Richard, MD
Instructor of Anesthesia
Medical Director of Pre-Admission Testing
Massachusetts General Hospital

Erica S. Shenoy, MD
Assistant Professor of Medicine
Assistant Chief, Infection Control Unit
Assistant Physician, Division of Infectious Diseases
Massachusetts General Hospital

R. Malcolm Smith, MD
Associate Professor of Orthopaedic Trauma
Chief, HMS Orthopaedic Trauma Service
Massachusetts General Hospital

Maryam Bita Tabrizi, MD
Clinical Instructor
Division of Trauma/Critical Care & Division of Community Surgery
Massachusetts General Hospital
North Shore Medical Center

Ashraf Thabet, MD
Instructor in Radiology
Director, Nonvascular Interventional Radiology
Massachusetts General Hospital

Kevin Whitney, RN
Associate Chief Nurse
Surgical, Orthopaedics & Neurosurgery
Patient Care Services
Massachusetts General Hospital

Daniel D. Yeh, MD
Clinical Instructor in Surgery
Associate Director of SICU
Division of Trauma, Emergency Surgery & Surgical Critical Care
Massachusetts General Hospital
Registration Information*

Tuition Fees:

- **Physicians:** Monday and Tuesday .................................................. $590.00
- **Residents/Fellows:** Monday and Tuesday ....................................... $490.00
- **Nurses/Allied Health:** Monday and Tuesday ................................... $450.00
- **Each workshop** .................................................................................. $50.00

*Please note: Workshops can only be taken with full participation in the main course.
*Attendance is limited to 50 per persons per workshop on a first come, first served basis.

Sunday Workshops:

- **Workshop #1** Organ Donation: Treatments, Processes, Ethics, Modern Trends
- **Workshop #2** Rib Fracture Fixation: Theory and Hands-on Practice
- **Workshop #3** Surgical Techniques: Operations on the Lower Extremity
- **Workshop #4** Trauma And Critical Care Ultrasound: Theory and Hands-on Practice

* Processing (non-refundable service fee) $5. All fees shown in USD.

Registration by credit card (VISA, MasterCard or American Express) or check can be made through Harvard Medical School's secure online registration system at www.cme.hms.harvard.edu/courses/criticalcare. Registration by check (draft on a United States bank), please make payable to Harvard Medical School. Learners who choose to pay by check will be prompted to download an online form to send in with a payment. Telephone or fax registration is not accepted. Registration with cash payment is not permitted. Upon receipt of your paid registration, you will receive an email confirmation. Be sure to include an email address that you check frequently. Your email address is used for critical information including registration confirmation, evaluation and certificate.

INQUIRIES

By phone 617-384-8600, Monday–Friday, 9 AM to 5 PM (EST) or by email hms-cme@hms.harvard.edu.

ONLINE INFORMATION

To register or view activity information online, visit: www.cme.hms.harvard.edu/courses/criticalcare.

REFUND POLICY

Refunds, less an administrative fee of $75, will be issued for all cancellations received at least two weeks prior to the start of the course. Refund requests must be made in our secure online system or by postal mail, email, or fax. “No shows” are subject to the full course fee.

DISCLOSURE POLICY

Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.
**ACCOMMODATIONS/TRAVEL**

A limited number of rooms have been reserved at the Fairmont Copley Plaza Hotel, 138 St. James Ave. Boston, MA 02116 until October 15, 2015. Please specify that you are enrolled in this course to receive a Fairmont room for $349.00 or a Deluxe room for $379.00 per night. Hotel arrangements can also be made online at www.fairmont.com/copley-plaza-boston. Please do not purchase non-refundable airline ticket(s) until you have received an email from our office confirming your paid registration.

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**2015 Workshops: SUNDAY, NOVEMBER 8, 2015**

**WORKSHOP 1 ORGAN DONATION: TREATMENTS, PROCESSES, ETHICS, MODERN TRENDS**

**MODERATOR: KEVIN WHITNEY, RN**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>9:00 am</td>
<td>Introduction</td>
<td>Jonathan F. Critchlow, MD</td>
</tr>
<tr>
<td>9:05 am</td>
<td>Overview of Local and National Donation Data</td>
<td>Jill P. Stinebring, RN</td>
</tr>
<tr>
<td>9:05 am</td>
<td>Case Presentation</td>
<td>Samantha Endicott, MPH</td>
</tr>
<tr>
<td>9:20 am</td>
<td>Indications/Treatment/Referral</td>
<td>Jonathan F. Critchlow, MD</td>
</tr>
<tr>
<td>9:40 am</td>
<td>Pre Brain Death Donor Management-Catastrophic Brain Injury Guidelines</td>
<td>Robert Schulze, MD</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Brain Death Evaluation/Competency</td>
<td>Galen V. Henderson, MD</td>
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<tr>
<td>10:30 am</td>
<td>Break</td>
<td></td>
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<tr>
<td>11:00 am</td>
<td>Planning the Donation Discussion: Do's and Don't's</td>
<td>Kevin Kiely, RN, Brian L. Edlow, MD</td>
</tr>
<tr>
<td>11:15 am</td>
<td>Engaging Families in the Donation Discussion</td>
<td>Kevin Kiely, RN</td>
</tr>
<tr>
<td>11:30 am</td>
<td>Case Outcome Discussion-Discussion with Donor Family/Recipient Stories</td>
<td>Samantha Endicott, MPH</td>
</tr>
<tr>
<td>11:45 am</td>
<td>Wrap-Up/Q&amp;A/Setting the Stage/Call to Action</td>
<td>Kevin Whitney, RN</td>
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**WORKSHOP 2 RIB FRACTURE FIXATION: THEORY AND HANDS-ON PRACTICE**

**MODERATOR: MARC A. DEMOYA, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>9:00 am</td>
<td>Introduction</td>
<td>Marc A. deMoya, MD</td>
</tr>
<tr>
<td>9:05 am</td>
<td>Outcomes After Multiple Rib Fractures And Flail Chest</td>
<td>Marc A. deMoya, MD</td>
</tr>
<tr>
<td>9:15 am</td>
<td>Indications And Outcomes Of Rib Fixation</td>
<td>Peter J. Fagenholz, MD</td>
</tr>
<tr>
<td>9:30 am</td>
<td>Technical Aspects Of Rib Fixation</td>
<td>Andrew R. Doben, MD</td>
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<tr>
<td>9:45 am</td>
<td>Future Directions: What Is Out There?</td>
<td>Ronald I. Gross, MD</td>
</tr>
<tr>
<td>10:00 am</td>
<td>A Balanced View: the Case Against Rib Fixation</td>
<td>George Kasotakis, MD</td>
</tr>
<tr>
<td>10:15 am</td>
<td>Q&amp;A</td>
<td></td>
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<tr>
<td>10:30 am</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:45 am</td>
<td>Hands-On Practice</td>
<td>All</td>
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</table>

**WORKSHOP 3 SURGICAL TECHNIQUES: OPERATIONS ON THE LOWER EXTREMITY**

**MODERATOR: R. MALCOLM SMITH, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>13:00 pm</td>
<td>Introduction</td>
<td>R. Malcolm Smith, MD</td>
</tr>
<tr>
<td>13:05 pm</td>
<td>Important Aspects Of Washout And Debridement</td>
<td>Marilyn Heng, MD</td>
</tr>
<tr>
<td>13:15 pm</td>
<td>Techniques And Pitfalls Of Spinting And Casting</td>
<td>Michael J. Weaver, MD</td>
</tr>
<tr>
<td>13:30 pm</td>
<td>Orif Of Femur And Tibia: Considerations For the General Surgeon</td>
<td>Marilyn Heng, MD</td>
</tr>
<tr>
<td>13:45 pm</td>
<td>External Fixation of the Lower Limb: Considerations for the General Surgeon</td>
<td>Michael J. Weaver, MD</td>
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</tbody>
</table>
### 2015 Workshops: SUNDAY, NOVEMBER 8, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>14:00 pm - 14:15 pm</td>
<td>Fasciotomy</td>
<td>Marilyn Heng, MD</td>
</tr>
<tr>
<td>14:15 pm - 14:30 pm</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>14:30 pm - 14:45 pm</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>14:45 pm - 15:00 pm</td>
<td>Repair Of Femoral And Popliteal Vessels</td>
<td>Jonathan D. Gates, MD</td>
</tr>
<tr>
<td>15:00 pm - 15:15 pm</td>
<td>Below-, Through-, And Above-Knee Amputation</td>
<td>R. Malcolm Smith, MD</td>
</tr>
<tr>
<td>15:15 pm - 15:30 pm</td>
<td>Flaps For Coverage Of Large Wounds</td>
<td>Kyle Eberlein, MD</td>
</tr>
<tr>
<td>15:30 pm - 15:45 pm</td>
<td>The Art Of Skin-Grafting</td>
<td>Jeremy Goverman, MD</td>
</tr>
<tr>
<td>15:45 pm - 16:00 pm</td>
<td>Q&amp;A</td>
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</tbody>
</table>

### WORKSHOP 4 TRAUMA AND CRITICAL CARE ULTRASOUND: THEORY AND HANDS-ON PRACTICE
**MODERATOR: DANIEL D. YEH, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>13:00 pm - 13:05 pm</td>
<td>Introduction</td>
<td>Daniel D. Yeh, MD</td>
</tr>
<tr>
<td>13:05 pm - 13:20 pm</td>
<td>U/S For Cardiac Function</td>
<td>Aranya Bagchi, MD</td>
</tr>
<tr>
<td>13:20 pm - 13:35 pm</td>
<td>FAST</td>
<td>Brooke Hensley, MD</td>
</tr>
<tr>
<td>13:35 pm - 13:50 pm</td>
<td>e-FAST</td>
<td>Kate Richard, MD</td>
</tr>
<tr>
<td>13:50 pm - 14:00 pm</td>
<td>Q&amp;A</td>
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<tr>
<td>14:00 pm - 14:15 pm</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>14:15 pm - 16:00 pm</td>
<td>Hands-On Practice</td>
<td>All</td>
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</table>

### 2015 Symposium Schedule: MONDAY, NOVEMBER 9, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am - 7:30 am</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>7:30 am - 7:45 am</td>
<td>Greeting And Introduction</td>
<td>George C. Velmahos, MD</td>
</tr>
</tbody>
</table>

### SESSION I CONTROVERSIES IN PREHOSPITAL TRAUMA CARE
**MODERATOR: ALASDAIR K. T. CONN, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:45 am - 8:00 am</td>
<td>Transfer to the Closest Hospital: Always Justified?</td>
<td>David C. Chang, PhD</td>
</tr>
<tr>
<td>8:00 am - 8:15 am</td>
<td>Prehospital Intubation: Always Justified?</td>
<td>Carlos V. R. Brown, MD</td>
</tr>
<tr>
<td>8:15 am - 8:30 am</td>
<td>Routine Spinal Precautions: An Outdated Prehospital Practice?</td>
<td>George Kasotakis, MD</td>
</tr>
<tr>
<td>8:30 am - 8:45 am</td>
<td>Discussion</td>
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</tbody>
</table>

### SESSION II FIRECRACKER DEBATE - PREHOSPITAL TOURNIQUETS PACIFIER: FREDERICK H. MILLHAM, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>8:45 am - 8:55 am</td>
<td>Tourniquets Work (As Proven By the Boston Marathon Bombing)</td>
<td>Peter A. Burke, MD</td>
</tr>
<tr>
<td>8:55 am - 9:05 am</td>
<td>Tourniquets Don't Work (As Proven By the Boston Marathon Bombing)</td>
<td>David R. King, MD</td>
</tr>
<tr>
<td>9:05 am - 9:20 am</td>
<td>Discussion</td>
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</tbody>
</table>

### SESSION III TRAUMA JEOPARDY PUZZLIST: DAVID R. KING, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:20 am - 10:00 am</td>
<td>Hot Trauma Topics</td>
<td>David Fink, MD, Erika L. Rangel, MD</td>
</tr>
<tr>
<td>10:00 am - 10:30 am</td>
<td>Break</td>
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</tbody>
</table>

### SESSION IV REVERSAL OF BLOOD THINNERS: A THIN LINE
**MODERATOR: CHARLES H. COOK, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 am - 10:45 am</td>
<td>Reversing Coumadin: FFP or PCC?</td>
<td>Joshua N. Goldstein, MD</td>
</tr>
<tr>
<td>10:45 am - 11:00 am</td>
<td>Reversing the New Anticoagulants: So Confusing!</td>
<td>Walter H. Dzik, MD</td>
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<tr>
<td>Time</td>
<td>Event</td>
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</tr>
<tr>
<td>11:00 am - 11:15 am</td>
<td>Reversing Antiplatelet Agents: Any Evidence? Kimberly A. Davis, MD</td>
<td></td>
</tr>
<tr>
<td>11:15 am - 11:30 am</td>
<td>Discussion</td>
<td></td>
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</tbody>
</table>

**SESSION V EXSANGUINATING PELVIC FRACTURES: CASE PRESENTATIONS**  
**MODERATOR: GEORGE C. VELMAHOS, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>11:30 am - 11:45 am</td>
<td>An Exsanguinating Closed Pelvic Fracture Demetrios Demetriades, MD, PhD, Timothy A. Emhoff, MD, Ronald I. Gross, MD</td>
</tr>
<tr>
<td>11:45 am - 12:00 pm</td>
<td>An Exsanguinating Open Pelvic Fracture Demetrios Demetriades, MD, PhD, Timothy A. Emhoff, MD, Ronald I. Gross, MD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 pm - 13:00 pm</td>
<td>Lunch</td>
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</tbody>
</table>

**SESSION VI WHAT YOU SAY IS WRONG! - A SERIES OF DEBATES**  
**NEGOTIATOR: HASAN B. ALAM, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00 pm - 13:20 pm</td>
<td>In Favor Of Hypotensive Resuscitation? Demetrios Demetriades, MD, PhD</td>
</tr>
<tr>
<td>13:00 pm - 13:07 pm</td>
<td>Yes</td>
</tr>
<tr>
<td>13:07 pm - 13:14 pm</td>
<td>No                                                                   Erika L. Rangel, MD</td>
</tr>
<tr>
<td>13:14 pm - 13:20 pm</td>
<td>Let's Agree! Hasan B. Alam, MD</td>
</tr>
<tr>
<td>13:20 pm - 13:40 pm</td>
<td>In Favor Of 1:1:1 Transfusion? Carlos V.R. Brown, MD</td>
</tr>
<tr>
<td>13:20 pm - 13:27 pm</td>
<td>Yes                                                                  Matthew J. Martin, MD</td>
</tr>
<tr>
<td>13:27 pm - 13:34 pm</td>
<td>No                                                                   Marc A. deMoya, MD</td>
</tr>
<tr>
<td>13:34 pm - 13:40 pm</td>
<td>Let's Agree! Hasan B. Alam, MD</td>
</tr>
<tr>
<td>13:40 pm - 14:00 pm</td>
<td>In Favor Of Tranexamic Acid? Carlos V.R. Brown, MD</td>
</tr>
<tr>
<td>13:40 pm - 13:47 pm</td>
<td>Yes                                                                  George C. Velmahos, MD</td>
</tr>
<tr>
<td>13:47-13:54 pm</td>
<td>No                                                                   Hasan B. Alam, MD</td>
</tr>
<tr>
<td>13:54-14:00 pm</td>
<td>Let's Agree! Hasan B. Alam, MD</td>
</tr>
</tbody>
</table>

**SESSION VII SURGICAL EDUCATION**  
**MODERATOR: MATTHEW J. MARTIN, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00 pm - 14:15 pm</td>
<td>Team Training In the OR: A Bigger Challenge Than It Sounds! Denise W. Gee, MD</td>
</tr>
<tr>
<td>14:15 pm - 14:30 pm</td>
<td>Teaching Surgeons Through Simulation: It Is the Future! James Gordon, MD</td>
</tr>
<tr>
<td>14:30 pm - 14:45 pm</td>
<td>Discussion</td>
</tr>
<tr>
<td>14:45 pm - 15:05 pm</td>
<td>Break</td>
</tr>
</tbody>
</table>

**SESSION VIII COMPLEX INJURIES - LEARNING THROUGH CASES**  
**MODERATOR: DEMETRIOS DEMETRIADES, MD, PHD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:05 pm - 15:20 pm</td>
<td>A Cardiac Injury Case Carlos V.R. Brown, MD, Matthew J. Martin, MD, Hasan B. Alam, MD</td>
</tr>
<tr>
<td>15:20 pm - 15:35 pm</td>
<td>A Pancreatic Injury Case Carlos V.R. Brown, MD, Matthew J. Martin, MD, Hasan B. Alam, MD</td>
</tr>
<tr>
<td>15:35 pm - 15:50 pm</td>
<td>A Major Vascular Case Carlos V.R. Brown, MD, Matthew J. Martin, MD, Hasan B. Alam, MD</td>
</tr>
</tbody>
</table>

**SESSION IX NEW TRENDS IN NEUROLOGIC TRAUMA**  
**TREND-SETTER: CARLOS V.R. BROWN, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:50 pm - 16:00 pm</td>
<td>What's New In Head Injuries? Marc A. deMoya, MD</td>
</tr>
<tr>
<td>16:00 pm - 16:10 pm</td>
<td>What's New In Spinal Cord Injuries Thomas D. Cha, MD</td>
</tr>
<tr>
<td>16:10 pm - 16:15 pm</td>
<td>Discussion</td>
</tr>
</tbody>
</table>
### SESSION X THE SURVIVOR GAME
**Moderator: George C. Velmahos, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:15 pm - 17:00 pm</td>
<td>A Ruthless Competition for the Best Answers</td>
<td>Heena P. Santry, MD, Stephanie L. Nitzschke, MD, Kathryn L. Butler, MD, Tracey A. Dechert, MD, Tahira F. Mirza, MD</td>
</tr>
</tbody>
</table>

### TUESDAY, NOVEMBER 10, 2015

### SESSION XI NUTRITION AND INFECTION
**Moderator: Edward Kelly, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am - 7:45 am</td>
<td>Jejunostomy: More Risk Or More Benefit?</td>
<td>Hasan B. Alam, MD</td>
</tr>
<tr>
<td>7:45 am - 8:00 am</td>
<td>Standardization Of Antibiotic Prophylaxis Across the Trauma Center</td>
<td>Erica S. Shenoy, MD</td>
</tr>
<tr>
<td>8:00 am - 8:15 am</td>
<td>Immunonutrition: Infection-Fighter Or Unnecessary Expense?</td>
<td>Demetrios Demetriades, MD, PhD</td>
</tr>
<tr>
<td>8:15 am - 8:30 am</td>
<td>Discussion</td>
<td></td>
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</tbody>
</table>

### SESSION XII PEDIATRIC TRAUMA MINI
**Moderator: Peter T. Masiakos, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am - 8:45 am</td>
<td>SCIWORA: True Entity Or Just Fiction?</td>
<td>David Mooney, MD</td>
</tr>
<tr>
<td>8:45 am - 9:00 am</td>
<td>The Magnificent Young Brain Responds Differently To Injuries</td>
<td>Ari R. Cohen, MD</td>
</tr>
<tr>
<td>9:00 am - 9:15 am</td>
<td>Critical Care For the Injured Child: Differences With Adults</td>
<td>Jill Zalieckas, MD</td>
</tr>
<tr>
<td>9:15 am - 9:30 am</td>
<td>Discussion</td>
<td></td>
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</tbody>
</table>

### SESSION XIII THE BEST NEW TRAUMA SURGEON TALENT-HUNTER: GEORGE C. VELMAHOS, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 am - 9:40 am</td>
<td>A Crazy Vascular Injury</td>
<td>George Kasotakis, MD, Christopher J. Burns, MD, David Fink, MD</td>
</tr>
<tr>
<td>9:40 am - 9:50 am</td>
<td>A Crazy Thoracic Injury</td>
<td>George Kasotakis, MD, Christopher J. Burns, MD, David Fink, MD</td>
</tr>
<tr>
<td>9:50 am - 10:00 am</td>
<td>A Crazy Abdominal Injury</td>
<td>George Kasotakis, MD, Christopher J. Burns, MD, David Fink, MD</td>
</tr>
</tbody>
</table>

### SESSION XIV THE BEST NEW INTENSIVIST TALENT-HUNTER: KATHRYN L. BUTLER, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 am - 10:30 am</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:30 am - 10:40 am</td>
<td>Cardiorespiratory Collapse</td>
<td>Sheri M. Berg, MD, Stephanie L. Nitzschke, MD, Brian P. O’Gara, MD</td>
</tr>
<tr>
<td>10:40 am - 10:50 am</td>
<td>Renal Shutdown</td>
<td>Sheri M. Berg, MD, Stephanie L. Nitzschke, MD, Brian P. O’Gara, MD</td>
</tr>
<tr>
<td>10:50 am - 11:00 am</td>
<td>Extreme ARDS</td>
<td>Sheri M. Berg, MD, Stephanie L. Nitzschke, MD, Brian P. O’Gara, MD</td>
</tr>
</tbody>
</table>

### SESSION XV THE JOHN F. BURKE KEYNOTE LECTURE
**Moderator: George C. Velmahos, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 am - 11:40 am</td>
<td>Trauma: From Inception To Date</td>
<td>Demetrios Demetriades, MD, PhD</td>
</tr>
</tbody>
</table>

### SESSION XVI LECTURE: FROM WAR TO PEACE
**Moderator: Peter A. Burke, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:40 am - 12:10 pm</td>
<td>Translating Military Practice To Civilian Trauma</td>
<td>Matthew J. Martin, MD</td>
</tr>
</tbody>
</table>
The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of 21.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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This activity meets the criteria of the Massachusetts Board of Registration in Medicine for .5 credits of Risk Management Study.

Please check your individual state licensing board requirements before claiming these credits.

### 2015 Symposium Schedule: TUESDAY, NOVEMBER 10, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Moderator(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:10 pm - 13:10 pm</td>
<td>Lunch</td>
<td></td>
</tr>
</tbody>
</table>
| 13:10 pm - 13:25 pm | SESSION XVII MINIMALLY INVASIVE TRAUMA SURGERY  
MODERATOR: REUVEN RABINOVICI, MD | Jonathan D. Gates, MD |
| 13:25 pm - 13:40 pm | Percutaneous Drains For Everything  
Jonathan D. Gates, MD | Ashraf Thabet, MD |
| 13:40 pm - 13:55 pm | Laparoscopy For Trauma  
Haytham Kaafarani, MD |                                   |
| 13:55 pm - 14:10 pm | Discussion                                               |                                   |
| 14:10 pm - 14:40 pm | SESSION XVIII CHALLENGING THE DOGMA – AN INTERACTIVE GAME WITH THE AUDIENCE  
TROUBLE-MAKER: PETER J. FAGENHOLZ, MD | Audience vs. Carlos V.R. Brown, MD and Matthew J. Martin, MD |
| 14:40 pm - 14:47 pm | SESSION XVIV CRITICAL CARE VIGNETTES  
MODERATOR: DANTE YEH, MD | Jarone Lee, MD |
| 14:47 pm - 14:54 pm | 24/7 Attending Staffing In the Icu  
Jarone Lee, MD | Heena P. Santry, MD |
| 14:54 pm - 15:00 pm | Pressure Ulcers: Why Do They Still Exist?  
Christopher DePesa, RN |                                   |
| 15:00 pm - 15:10 pm | Discussion                                               |                                   |
| 15:10 pm - 15:20 pm | SESSION XV SPECTACULAR VIDEOS  
MODERATOR: HAYTHAM KAAFARANI, MD | Reza Askari, MD |
| 15:20 pm - 15:30 pm | Trauma Case #2  
Miguel M. Gaeta, MD | George Kasotakis, MD |
| 15:30 pm - 15:40 pm | An Interactive Session With the Audience, Testing the Knowledge Acquired at the Symposium  
Audience | George C. Velmahos, MD |
| 16:15 pm - 16:30 pm | Summary And Aufwiedersehen  
George C. Velmahos, MD |                                   |
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November 13-15, 2016