2017 Shock Symposium
The Latest in Resuscitation and Critical Care

Presented by
American Heart Association/American Stroke Association
in partnership with Harvard Medical Faculty Physicians at Beth Israel Deaconess Medical Center

Friday, May 5, 2017
7:00 am ~ 4:30 pm

The Joseph B. Martin Conference Center at Harvard Medical School
77 Avenue Louis Pasteur ~ Boston, Massachusetts

Conference Agenda & Registration Information

Please help us spread the word by sharing this information with your colleagues.

For exhibitor/sponsorship information please contact Sue.Flor@heart.org

**PLEASE NOTE ON-LINE, PRE-REGISTRATION IS REQUIRED**

We suggest that you register now to take advantage of the early registration fees and ensure a seat. Once you have completed your registration form, you will be automatically rerouted to a payment page. Your registration is not complete until payment is received.

**REGISTRATION FEES**

<table>
<thead>
<tr>
<th></th>
<th>Early registration through April 23, 2017</th>
<th>Registration after April 23, 2017</th>
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</thead>
<tbody>
<tr>
<td>Physicians</td>
<td>$260</td>
<td>$280</td>
</tr>
<tr>
<td>Residents/Fellows</td>
<td>$140</td>
<td>$160</td>
</tr>
<tr>
<td>Nurses/Allied Health Professionals</td>
<td>$140</td>
<td>$160</td>
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<tr>
<td>EMTs</td>
<td>$75</td>
<td>$95</td>
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<tr>
<td><em>Full Time Students</em></td>
<td>$100</td>
<td>$120</td>
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</tbody>
</table>

*Students are able to register at a discounted rate, when proof of full time student status is provided to Nia Flick at [Nia.Flick@heart.org](mailto:Nia.Flick@heart.org).

**CANCELLATION POLICY**

If you need to cancel your registration, please email Nia.Flick@heart.org. Refund of Registration Fee, less a $30 Administration Fee, will be given if written notice of cancellation is postmarked by April 23, 2017.  

*Refunds will not be issued after April 23, 2017.*

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**Program Information**

**PROGRAM OVERVIEW**

This is a multidisciplinary symposium that will provide cutting-edge information and best practices for diagnosis and treatment of shock/critical illness with topics including cardiac arrest, septic shock, pulmonary thromboembolism, toxicological emergencies, hemorrhagic shock, and more. Sessions are innovative and interactive with nationally recognized speakers. In addition, the Symposium will include an original research poster session and those interested may submit an abstract for consideration.

**TARGET AUDIENCE**

The target audience are clinicians and researchers focused on the diagnosis and management of critically ill patients with shock/cardiac arrest. These can include but are not limited to Physicians (Hospitalists, ED, Intensive Care, Medical, Surgical, Anesthesia); Registered Nurses/Nurse Practitioners (ED, Intensive Care, Medical, Surgical, Anesthesia); EMS Professionals (EMT, EMT-I/P); Other health care professionals who treat shock.

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**Travel Information**

**HOTEL ROOM GROUP RATE**

Hotel Rooms at the **Residence Inn Boston Back Bay Fenway** are available for the evening of May 4th at the discounted rate of $309 per night. Reservations, at the room block rate, are accepted based on availability before March 24, 2017.


**PARKING**

There are 4 parking garages near the Joseph B. Martin Conference Center. Please refer to [http://bit.ly/TJBMCC](http://bit.ly/TJBMCC) for locations and costs. These rates are subject to change and are not included in your registration fees.

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**Planning Committee**

Co-Chair: Michael W. Donnino, MD  
Co-Chair: Michael N. Cocchi, MD  
Lisa Bemben, MPH, CHES  
Katherine Berg, MD  
Maureen Chase, MD, MPH  
Sue Flor  
Francesca Montillo, MM  
Emily McDonald, MA-Paramedic  
Matthew Sholl, MD, MPH  
Donna Williams, RN, BSN, MS, CCRN
Joint Accreditation Statements

The American Heart Association is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the healthcare team.

**AMA Credit Designation Statement - Physicians**
The American Heart Association designates this live activity for a maximum of 6.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**AAPA Credit Acceptance Statement – Physician Assistants**
AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 6.75 hours of Category I credit for completing this program.

**AANP Credit Acceptance Statement – Nurse Practitioners**
American Academy of Nurse Practitioners (AANP) accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

**ANCC Credit Designation Statement - Nurses**
The maximum number of hours awarded for this CE activity is 6.75 contact hours.

**CAPCE credit must be claimed within 6 months of attendance. CME/CE credit will no longer be available to claim for this activity after September 4, 2017**

Continuing Education Accreditation – Emergency Medical Services

This continuing education activity is approved by the American Heart Association, an organization accredited by the Commission on Accreditation of Pre-Hospital Continuing Education (CAPCE), for 6.75 Advanced CEHs, activity number 17-AMHA-F1-0349.

By claiming CAPCE credit, the claimant acknowledges the following: I understand that the American Heart Association as a requirement of CAPCE accreditation will submit a record of my course completions to the CAPCE AMS. I further understand that my course completion records may be accessed by or shared with such regulators as state EMS offices, training officers, and NREMT on a password-protected, need-to-know basis. In addition, I understand that I may review my record of CAPCE-accredited course completions by contacting CAPCE.

**Disclosure Policy**
All persons who develop and/or control educational content in CME/CE activities provided by the American Heart Association will disclose to the audience all financial relationships with any commercial supporters of this activity as well as with other commercial interests whose lines of business are related to the CME/CE-certified content of this activity. In addition, presenters will disclose unlabeled/unapproved uses of drugs or devices discussed in their presentations. Such disclosures will be made in writing in course presentation materials.

We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us to serve you better. Check with the staff at the on-site registration and desk, if you require special assistance to fully participate in the conference.
## AGENDA & SPEAKERS

### 2017 Shock Symposium:
The Latest in Resuscitation and Critical Care

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title and Faculty</th>
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</table>
| 7:00 - 8:00 am| Registration  
Breakfast, Poster Session and Visit with Exhibitors                                       |
| 8:00 - 8:05 am| Welcome and Introductions  
*Michael W. Donnino, MD*                                                                                           |
| 8:05 - 9:20 am| Cardiac Arrest: Cutting Edge  
Panel Presentations and Discussion  
*Moderators: Matthew Sholl, MD, MPH, FACEP & Donna Williams, RN, MS, CCRN*                                 |
|               | **8:05 - 8:25 am**  
Controversies in ACLS Drugs: What, When, Why?  
*Michael W. Donnino, MD*                                                                                         |
|               | **8:25 - 8:45 am**  
Targeted Temperature Management (TTM): Operationalizing the New Guidelines  
*Michael N. Cocchi, MD*                                                                                        |
|               | **8:45 - 9:05 am**  
Controversies in Chest Compressions and Airway Management During CPR  
*Robert A. Berg, MD, FCCM, FAAP, FAHA*                                                                         |
|               | **9:05 - 9:20 am**  
Panel Discussion & Audience Q & A                                                                                   |
| 9:20 - 9:35 am| Break, Poster Session and Visit with Exhibitors                                                                 |
| 9:35 - 10:50 am| Pulmonary Embolism - It's a team sport: Case Presentations and Discussion  
*Moderator: Maureen Chase, MD, MPH*                                                                               |
| 10:50 - 11:50 am| Case #1: 55-year-old injured in the Boston Marathon Bombing  
Case #2: 63-year-old with sudden onset of massive hematemesis  
**Panelists:**  
Prehospital Management: *Jason Cohen, DO, FACEP, FCCM*  
Emergency/Critical Care: *Evie Marcolini, MD, FACEP, FAAEM, FCCP*  
Anesthesia/Critical Care: *M. Dustin Boone, MD*  
Trauma Surgeon: *Noelle Saillant, MD*  
Interventional Radiology: *Muneeb Ahmed, MD, FSIR*  
Clinical Nursing: *Dan Nadworny, MSN, RN* |  
**10:50 - 11:50 am**  
Panel Discussion and Audience Q & A                                                                                 |
| 11:50 am - 12:10 pm| Panel Discussion and Audience Q & A                                                                                       |

Continued on next page
At the completion of this activity, the learner will be better able to:

- Identify challenges and strategies in the diagnosis and management of patients with shock/critical illness.
- Evaluate controversies and resuscitation strategies for patients with cardiac arrest.
- Apply latest approaches in the management of shock/resuscitation.

The poster presentations will showcase research projects in the field of shock, resuscitation and critical care. **Deadline for submission is March 1, 2017.** Cash awards for best abstracts up to $300. The presenting author, for each accepted abstract, will receive a 25% registration discount to attend the conference.

If you are interested in submitting an abstract for display at the symposium, please refer to: [http://bit.ly/BIDabstract](http://bit.ly/BIDabstract) for additional information.

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<thead>
<tr>
<th>Time</th>
<th>Presentation Title and Faculty</th>
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<tbody>
<tr>
<td>12:10 - 1:30 pm</td>
<td>Lunch, Poster Session and Visit with Exhibitors</td>
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<tr>
<td>1:30 - 2:50 pm</td>
<td>Challenging Cases in Shock Management: determining etiology and targeting treatment</td>
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<td>Case Presentations and Discussion</td>
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<td><strong>Moderator:</strong> Raghu Seethala, MD, MSc</td>
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<td>1:30 - 1:45 pm</td>
<td>Case: 55-year-old ingested 3000 mgs of diltiazem</td>
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<td>Katherine Boyle, MD</td>
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<td>1:45 - 2:00 pm</td>
<td>Case: 78-year-old hypotensive patient in respiratory distress</td>
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<td>Michael W. Donnino, MD</td>
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<td>2:00 - 2:15 pm</td>
<td>Case: 57-year-old with undifferentiated shock – an ultrasound is performed</td>
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<td>Todd W. Sarge, MD</td>
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<td>2:15 - 2:30 pm</td>
<td>Case: 65-year-old post-cardiac arrest patient with myoclonus</td>
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<td>David B. Seder, MD</td>
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<td>2:30 - 2:50 pm</td>
<td>Panel Discussion and Audience Q &amp; A</td>
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<tr>
<td>2:50 - 3:05 pm</td>
<td>Break and Visit with Exhibitors</td>
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<tr>
<td>3:05 - 4:20 pm</td>
<td>Septic Shock: Panel Presentations and Discussion</td>
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<td><strong>Moderator:</strong> Ari Moskowitz, MD</td>
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<td>3:05 - 3:25 pm</td>
<td>New Definitions - What do we follow?</td>
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<td>B. Taylor Thompson, MD</td>
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<td>3:25 - 3:45 pm</td>
<td>Optimal Resuscitation Strategy: Do we know? What do we do?</td>
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<td>Evie Marcolini, MD, FACEP, FAAEM, FCCP</td>
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<td>3:45 - 4:05 pm</td>
<td>Emerging Science: Metabolic Resuscitation</td>
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<td>Katherine Berg, MD</td>
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<tr>
<td>4:05 - 4:20 pm</td>
<td>Panel Discussion and Audience Q &amp; A</td>
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<tr>
<td>4:20 - 4:30 pm</td>
<td>Wrap-up, Closing Remarks &amp; Evaluation Process</td>
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<td></td>
<td>Michael W. Donnino, MD</td>
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<tr>
<td>4:30 PM</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>
Distinguished Moderators, Speakers and Panelists

Muneeb Ahmed, MD, FSIR  
Chief, Division of Vascular and Interventional Radiology  
Vice Chair, Interventional Service  
Associate Professor, Radiology, Harvard Medical School  
Boston, MA

Katherine Berg, MD  
Assistant Director, Center for Resuscitation Science  
Beth Israel Deaconess Medical Center  
Attending Physician, Pulmonary and Critical Care  
Assistant Professor, Medicine, Harvard Medical School  
Boston, MA

Robert A. Berg, MD, FCCM, FAAP, FAHA  
Chief, Division of Critical Care Medicine  
The Children’s Hospital of Philadelphia  
Professor, Anesthesiology & Critical Care Medicine & Pediatrics  
Perelman School of Medicine, University of Pennsylvania  
Philadelphia, PA

M. Dustin Boone, MD  
Director, Neuroanesthesia; Co-Director, Neurocritical Care  
Beth Israel Deaconess Medical Center  
Instructor, Anesthesiology, Harvard Medical School  
Boston, MA

Katherine Boyle, MD  
Attending Physician, Department of Emergency Medicine  
Beth Israel Deaconess Medical Center  
Instructor, Emergency Medicine, Harvard Medical School  
Boston, MA

Maureen Chase, MD, MPH  
Associate Director, Center for Resuscitation Science  
Beth Israel Deaconess Medical Center  
Assistant Professor, Emergency Medicine  
Harvard Medical School  
Boston, MA

Louis Chu, MD  
Attending Physician, Division of Cardiac Surgery  
Beth Israel Deaconess Medical Center  
Clinical Instructor, Surgery, Harvard Medical School  
Boston, MA

Michael N. Cocchi, MD  
Director, Critical Care Quality  
Beth Israel Deaconess Medical Center  
Assistant Professor, Emergency Medicine and Medicine  
Harvard Medical School  
Boston, MA

Jason Cohen, DO, FACEP, FCCM  
Chief Medical Officer, Boston MedFlight  
Bedford, MA

Michael W. Donnino, MD  
Director, Center for Resuscitation Science  
Beth Israel Deaconess Medical Center  
Associate Professor, Emergency Medicine and Medicine  
Harvard Medical School  
Boston, MA

Samuel Goldhaber, MD, MPH  
Section Head, Vascular Medicine, Cardiovascular Division  
Brigham and Women's Hospital  
Professor, Medicine, Harvard Medical School  
Boston, MA

Christopher Kabrhel, MD, MPH  
Director, Center for Vascular Emergencies & Department of Emergency Medicine  
Massachusetts General Hospital  
Associate Professor of Medicine, Harvard Medical School  
Boston, MA

Barbara LeVarge, MD  
Pulmonary Hypertension Center  
Beth Israel Deaconess Medical Center  
Attending Physician, Pulmonary and Critical Care  
Instructor of Medicine, Harvard Medical School  
Boston, MA

Evie Marcolini, MD, FACEP, FAAEM, FCCP  
Departments of Emergency Medicine and Neurology  
Division of Neurocritical Care and Emergency Neurology  
Medical Director, SkyHealth Critical Care  
Assistant Professor, Yale University School of Medicine  
Branford, CT

Ari Moskowitz, MD  
Research Fellow, Beth Israel Deaconess Medical Center  
Harvard Combined Fellowship Program  
Boston, MA

Dan Nadworny, MSN, RN  
Clinical Director, Operations: Emergency Medicine and Urgent Care, Beth Israel Deaconess Medical Center  
Boston, MA

Noelle Saillant, MD  
Attending Physician, Surgery, Massachusetts General Hospital  
Assistant Professor, Surgery, Harvard Medical School  
Boston, MA

Todd W. Sarge, MD  
Director of Critical Care, Department of Anesthesia  
Beth Israel Deaconess Medical Center  
Assistant Professor, Anesthesia, Harvard Medical School  
Boston, MA

David B. Seder, MD, FCCM  
Director, Neurocritical Care, Maine Medical Center  
Associate Professor, Medicine  
Tufts University School of Medicine  
Portland, ME

Raghu Seethala, MD, MSc  
Attending Physician, Emergency Medicine  
Brigham and Women's Hospital  
Instructor, Emergency Medicine, Harvard Medical School  
Boston, MA

Matthew Sholl, MD, MPH, FACEP  
Medical Director, Maine EMS, Maine Medical Center  
Attending Physician, Emergency Medicine, Maine Medical Center  
Tufts Medical School  
Portland, ME

B. Taylor Thompson, MD  
Director, Critical Care Translational Research  
Pulmonary/Critical Care Unit, Massachusetts General Hospital  
Professor, Medicine, Harvard Medical School  
Boston, MA

Donna Williams, RN, MS, CCRN  
Nurse Specialist Cardiology  
Beth Israel Deaconess Medical Center  
Boston, MA

Richard Wolfe, MD  
Chief, Emergency Medicine, Beth Israel Deaconess Medical Center  
Associate Professor, Harvard Medical School  
Boston, MA