FIFTH ANNUAL

Principles of Critical Care Medicine for Non-Intensive Care Specialists

FEATURING ADVANCED SIMULATION AND PROCEDURAL WORKSHOPS

Sept. 15-17, 2017

Plus an Optional Communication Workshop on Sept. 14

The Seaport Hotel, Boston, Massachusetts
The Carl J. Shapiro Simulation and Skills Center (SASC) at Beth Israel Deaconess Medical Center

■ Hands-on skills practice — ultrasound-guided vascular access and IO placement
■ Principles of mechanical ventilation
■ Differential diagnosis of shock and best practices for vasopressor use
■ Best practices for sedation to minimize delirium
■ Utilization of point-of-care ultrasound for real-time patient care
■ Updates in the management of ARDS in 2017
■ New approaches to common toxicology challenges
■ Communication Workshop — tangible skills for practicing patient-centered care and guidance on having difficult conversations with the families of dying patients
■ Advanced Echo Workshop — individualized echocardiography training on live patient models
■ Advanced high-fidelity simulation cases in our state-of-the-art simulation center at BIDMC

Earn up to
27.50 AMA PRA Category 1 Credits™
4.75 Risk Management Credits
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<td>BREAKOUT - ROTATION 2</td>
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<td>Noninvasive Ventilation and High Flow</td>
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<td>Infections and Antimicrobials in the ICU - ID Emergencies</td>
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<td>Advanced Critical Care Echocardiography</td>
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<td>(pre-registration was required)</td>
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<tr>
<td>6:00pm - 7:00pm</td>
<td>Echocardiography: Workshop I</td>
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<td>HANDS-ON SKILL LAB: MIDDAY SESSION II: (pre-registration was required)</td>
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<td>12:10pm - 1:10pm</td>
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<tr>
<td>1:15pm - 2:00pm</td>
<td>Controversies in ACLS and Critical Care</td>
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<td>Sepsis Management from the ED to the ICU: What You Need to Know</td>
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<td>3:05pm - 3:50pm</td>
<td>Update in the Management of Overdoses and Toxidromes</td>
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<td>Reverence for Life at the End of Life</td>
<td>Hayes</td>
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Course Information

1. **Registration and Course Materials:** At registration you received your name badge and a padfolio.

2. **Name Badges:** Please remember to wear your name badge at all times during the course. Your name badge is color coded for breakout rotation purposes. It also lists the sessions you are registered to attend including the hands-on skills labs, optional specific population breakouts, and advanced workshops if you pre-registered for echocardiography or the simulation workshop at BIDMC.

3. **Course Materials:** Course materials are available online for you to review or print at:

   
   Password: ccm2017

   **NOTE:** DUE TO COPYRIGHT RESTRICTIONS, SOME SLIDES, IMAGES AND/OR PRESENTATIONS MAY NOT BE AVAILABLE ON THE WEBSITE. UPDATED PRESENTATIONS, IF PERMISSIBLE, MAY BE POSTED TO THIS WEBSITE AT THE END OF EACH DAY. THE PRESENTATIONS WILL REMAIN ONLINE FOR 6 MONTHS.

4. **Internet Access:** Complimentary Wi-Fi is available in your guestrooms and throughout the Seaport and World Trade Center facilities. Select Seaport Wireless or Seaport Legacy from the network list. A password is not required.

5. **Breakout Sessions:** On Friday there will be three simultaneous breakout sessions. These sessions are each limited to 70 participants. Your name badge color (blue, green or yellow) indicates which session you should attend. Please do not change groups as the seating and educational environment has been carefully crafted to optimize this educational experience.

   **BREAKOUT** | **ROOM LOCATION**
   --- | ---
   Best Practices for Noninvasive Ventilation and High Flow | Plaza C
   What to Do When the Machine Alarms | Seaport A (one floor down)
   Retain or Refer: Managing ARDS in 2017 | Plaza AB

6. **Audience Response System:** Some of our speakers have incorporated polling questions into their presentations to allow you to anonymously test your knowledge. **Note: the electronic devices used to transmit your answers must remain in the Plaza AB meeting room.** Please leave the devices on the table at the conclusion of each day.

7. **Optional Sessions - Specific Population:** On Saturday, there will be three simultaneous breakout sessions. Pre-registration was required for these sessions and your choice is noted on your name badge. **Please do not change assignments as the seating and educational environment has been carefully crafted to optimize this educational experience.**

   **BREAKOUT** | **ROOM LOCATION**
   --- | ---
   Updated in Pediatric Critical Care | Plaza C
   What to Do While the OBGYN is on the Way | Plaza AB
   Teaching Critical Thinking in Critical Care | Seaport A (one floor down)
8. **Optional Workshops**
   - **Advanced Critical Care Echocardiography** – SOLD OUT! These sessions will take place on Friday, Sept. 15th at 6pm and 7pm in Flagship (one level down). Coffee and snacks will be served.

   - **Skills Lab Workshop at BIDMC** (Sunday, Sept. 17th) – SOLD OUT!
     Registration for the Skills Lab Workshop will take place on Sunday, Sept. 17th, from 7:30am – 8:00am, in the lobby of the Seaport Hotel. The bus will depart promptly at 8:00am for the Carl J. Shapiro Simulation and Skills Center at Beth Israel Deaconess Medical Center. The bus will return to the Seaport Hotel at approximately 1:10pm. A continental breakfast and light refreshments will be served.

9. **Accreditation:** Harvard Medical School designates this educational activity for a maximum of 27.50 **AMA PRA Category 1 Credit(s)™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. **Certificates can be obtained immediately upon completion of the online course evaluation.** Questions can be directed to ceprograms@hms.harvard.edu.

10. **Risk Management Credit:** This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 4.75 Credits of Risk Management Study. This includes 1.25 credits of End-of-Life Studies. Please check with your individual state licensing board requirements before claiming risk management credits.

11. **Evaluations:** HMS-DCE utilizes an electronic course evaluation system that can be accessed at: [https://www.hmsmeregistration.org/d/25qcwf](https://www.hmsmeregistration.org/d/25qcwf). Once you complete the evaluation, you will be redirected to the CME Certificate website where you will be able to save and print your certificate. We not only read and review every evaluation, but also provide specific comments made about topics and speakers to the appropriate people.

12. **Disclosures:** Please refer to the faculty section of this handout for acknowledgements and faculty disclosures.

13. **Breakfast and Refreshment Breaks:** Complimentary continental breakfast and refreshment breaks will be served daily in the Plaza Ballroom Foyer. Please consult the schedule of events for breakfast and break times. We will make an announcement 5 minutes before the end of each break and ask that you begin returning to the meeting room in order to remain on schedule.

    **NOTE: A SEPARATE BREAKFAST WILL BE SERVED IN SEAPORT BC FOR THOSE ATTENDING THE SUNRISE HANDS-ON SKILLS LABS ON FRIDAY AND SATURDAY.**

14. **Lunch:** Lunch is not provided; however, a list of suggested food outlets can be found in the back of this handout.

15. **Room Temperature:** The room temperature will be set at approximately 68°F. If you feel the temperature is uncomfortable, please inform the staff at the registration desk. For your own comfort, we recommend that you bring a coat or sweater with you.

16. **Restrooms:** Restrooms are located in the Plaza Ballroom Foyer, on the left, as you exit the ballroom.

17. **Cell Phones and Electronic Devices:** As a courtesy to one another, we ask that all electronic devices be placed in the silent mode or powered off.
18. **Recording:** This program is not being recorded. **No** recording devices or cameras are permitted in the meeting rooms.

19. **Security:** We recommend that you write your name on your padfolio and keep it with you at all times. Unfortunately, we are not be able to replace them if they are misplaced. We also encourage you not to leave any personal belongings in the meeting rooms. The hotel is not responsible for missing items. Please contact security for lost and found items.

20. **Business Center:** There is a self-serve business center on the lobby level of the hotel for Seaport guests.

21. **Concierge Service:** The hotel concierge is happy to provide any services you require during the course, including making restaurant suggestions and reservations, directions, maps, and lost and found.

22. **Hotel Checkout:** Check-in time is 3:00pm. All guests arriving before 3:00pm will be accommodated as rooms become available. Checkout time is 12:00pm. You may leave your luggage with the Bell Captain in the Lobby.

23. **Help.** Can't access the presentation materials online? We are happy to help. Please contact Agri Meetings at info@agrimetings.com for further assistance.

**Thank you for joining us!**
Faculty
Dr. Peter Clardy is the Chair of the Department of Medical Education at Mount Auburn Hospital, where he also serves as an intensivist in the medical and surgical intensive care units. A dynamic and highly regarded clinician, educator and academic leader, Dr. Clardy previously served as the Director of Medical Critical Care at Beth Israel Deaconess Medical Center (BIDMC), and as the Program Director for the Massachusetts General Hospital / Beth Israel Deaconess Medical Center / Harvard Fellowship in Pulmonary and Critical Care Medicine. He completed his internship and residency in Internal Medicine at Massachusetts General Hospital, followed by fellowship training in Pulmonary and Critical Care in the Harvard Combined program.

Dr. Clardy's clinical interests include medical education, sepsis, acute respiratory distress syndrome, and quality improvement in critical care. Dr. Clardy was the Deputy Editor for pulmonary and critical care at UpToDate, and he is currently the senior editor of the Expert Clinician section of the *Annals of the American Thoracic Society*. Throughout his career, Dr. Clardy has been recognized as an exceptional clinical teacher with a longstanding commitment to the education of both medical students and clinicians at all levels of training.
Dr. Hayes is an Instructor in Medicine at Harvard Medical School and a medical intensivist at Beth Israel Deaconess Medical Center. She obtained her medical degree from Tufts University School of Medicine and then completed Internal Medicine and Pulmonary and Critical Care training at Johns Hopkins University in Baltimore, MD. She also served as Assistant Chief of Service (Chief Resident) for one year at Johns Hopkins. During that year she realized her passion for medical education and since then has taught in numerous CME courses and is an active member of the American Thoracic Society’s Education Committee, a member of the nominating committee of Section on Medical Education and director of the webinar series for the Section on Medical Education. She is also a co-director of the highly rated BIDMC/HMS Education CME course, “Principles of Medical Education, Maximizing Your Teaching Skills.”

Dr. Hayes is currently an Associate Program Director for the internal medicine residency at BIDMC and has recently received a prestigious teaching award from the residency. She is also the director of Medical Critical Care Education and the clerkship director for the Intensive Care Medicine Clerkship at BIDMC/HMS. Her clinical time is spent in the medical intensive care unit and her clinical interests include ICU communication, mechanical ventilation in ARDS, improving team dynamics on rounds, and ethical issues in withdrawing life sustaining support. Her educational and research interests are evaluating how critical thinking is taught and assessed, and creating novel ways to educate trainees on critical care concepts and communication around end-of-life care in the ICU. She has designed end-of-life communication curricula for residents and is studying ways to improve communication in the ICU and to improve the educational value and efficiency of rounds.
Harvard Medical School Course Directors

Jakob I. McSparron, MD
Assistant Professor of Medicine
Associate Program Director, Pulmonary and Critical Care Fellowship
University of Michigan

Email: jmcsparr@med.umich.edu

Dr. McSparron is an Assistant Professor of Medicine and Associate Program Director for the Pulmonary and Critical Care Fellowship program at the University of Michigan. Prior to moving to Michigan, Dr. McSparron was an attending physician in the Division of Pulmonary, Critical Care and Sleep Medicine at Beth Israel Deaconess Medical Center (BIDMC) and an Instructor of Medicine at Harvard Medical School. He is a Phi Beta Kappa graduate of Cornell University and earned his MD at Weill Cornell Medical College. He completed his residency in internal medicine at New York Presbyterian / Cornell, followed by fellowship in the Harvard Pulmonary and Critical Care Medicine Program. He served as Associate Program Director for the BIDMC Internal Medicine Residency and Associate Program Director for the Harvard Pulmonary and Critical Care Medicine Fellowship.

Dr. McSparron’s clinical interests include critical care ultrasound, acute respiratory distress syndrome, and sepsis. He is involved in medical education at the undergraduate, graduate, and continuing medical education level. He is a graduate of the Harvard Medical School Fellowship in Medical Education Research as well as the Rabkin Fellowship in Medical Education. Dr. McSparron has received numerous awards for his ongoing commitment to teaching, including the Soma Weiss Award and the Herman Blumgart Award.

J. Woodrow Weiss, MD
Professor of Medicine
Harvard Medical School
Chief, Division of Pulmonary, Critical Care, and Sleep Medicine
Beth Israel Deaconess Medical Center

Email: jweiss@bidmc.harvard.edu

Dr. Weiss is Professor of Medicine at Harvard Medical School and Chief, Division of Pulmonary, Critical Care, and Sleep Medicine at Beth Israel Deaconess Medical Center. Dr. Weiss has a long-standing academic interest in intermittent hypoxia and its consequences. His research has explored the mechanisms by which exposure to intermittent hypoxia leads to elevations in sympathetic activity. Using an animal model of intermittent hypoxia, the laboratory has examined mechanisms of chemoreflex plasticity, which underlie hypoxic acclimatization, as occurs in chronic respiratory failure or sleep apnea. Dr. Weiss focuses his clinical work in the medical intensive care unit. Prior to becoming Division Chief, he was the MICU Director for 20 years. He remains clinically active, attending frequently in the ICU, with a particular interest in acute-on-chronic respiratory failure.
Harvard Medical School Faculty

Asha Anandaiah MD
Instructor in Medicine
Harvard Medical School
Director, Pulmonary Consult Service
Beth Israel Deaconess Medical Center
Harvard Pulmonary and Critical Care Fellowship

Email: aanandai@bidmc.harvard.edu

Katherine M. Berg MD
Assistant Professor of Medicine
Harvard Medical School
Assistant Director, Center for Resuscitation Science
Beth Israel Deaconess Medical Center

Email: kberg@bidmc.harvard.edu

Rebecca E. Bruccoleri MD
Instructor in Pediatrics
Medical Toxicology Attending
Beth Israel Deaconess Medical Center
Medical Toxicology Attending
Boston Children's Hospital

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

Katherine A. Dudley MD, MPH
Instructor in Medicine
Harvard Medical School
Beth Israel Deaconess Medical Center

Email: kdudley@bidmc.harvard.edu

David V. Fobert, ALM
Director of Educational Technology
Center for Education and the Carl J. Shapiro Simulation and Skills Center
Beth Israel Deaconess Medical Center

Email: dfobert@bidmc.harvard.edu
Harvard Medical School Faculty

Eric J. Heckman MD  
Instructor in Medicine  
Harvard Medical School  
Beth Israel Deaconess Medical Center

  Email: eheckman@bidmc.harvard.edu

Douglas Hsu MD  
Instructor in Medicine  
Harvard Medical School  
Beth Israel Deaconess Medical Center

  Email: dhsu@bidmc.harvard.edu

Cindy M. Ku MD  
Instructor in Anesthesia  
Harvard Medical School  
Associate Residency Program Director  
Beth Israel Deaconess Medical Center

  Email: cku@bidmc.harvard.edu

Navin L. Kumar MD  
Instructor in Medicine  
Harvard Medical School  
Associate Physician  
Brigham and Women's Hospital

  Email: NLKUMAR@PARTNERS.ORG

Sean D. Levy MD, MS  
Instructor in Medicine  
Harvard Medical School  
Attending Physician  
Beth Israel Deaconess Medical Center

  Email: sdlevy@bidmc.harvard.edu

John Marshall PharmD, BCPS, BCCCP, FCCM  
Clinical Pharmacy Coordinator, Critical Care  
Program Director, Critical Care Pharmacy Residency  
Beth Israel Deaconess Medical Center

  Email: jmarshal@bidmc.harvard.edu
Harvard Medical School Faculty

Michael McBride RN
Simulation and Skills Educator
Center for Education and the Carl J. Shapiro Simulation and Skills Center
Beth Israel Deaconess Medical Center

Email: mmcbride@bidmc.harvard.edu

Mihir S. Parikh MD
Instructor in Medicine
Harvard Medical School
Interventional Pulmonologist, Division of Thoracic Surgery & Interventional Pulmonology
Beth Israel Deaconess Medical Center

Email: msparikh@bidmc.harvard.edu

Melanie S. Pogach MD, MMSc
Instructor in Medicine
Harvard Medical School
Attending Physician, Pulmonary, Critical Care and Sleep Medicine
Associate Fellowship Director for Sleep Medicine
Beth Israel Deaconess Medical Center

Email: mpogach@bidmc.harvard.edu

Joseph E. Previtera, RRT
Director of Respiratory Care
Beth Israel Deaconess Medical Center

Email: jprevite@bidmc.harvard.edu

Jordan S. Rettig MD
Instructor in Anaesthesia
Associate Clinical Director, SIMPeds MSICU Programs
Boston Children’s Hospital Simulator Program
Pediatric and Neonatal Medical Director
Boston MedFlight

Email: jordan.rettig@childrens.harvard.edu

Jeremy B. Richards MD, MA
Assistant Professor of Medicine
Harvard Medical School
Beth Israel Deaconess Medical Center

Email: jeremyrichardsmd@gmail.com
Harvard Medical School Faculty

Elisabeth D. Riviello MD, MPH
Instructor in Medicine
Harvard Medical School
Associate Physician, Division of Pulmonary, Critical Care and Sleep Medicine
Beth Israel Deaconess Medical Center

Email: eriviell@bidmc.harvard.edu

Richard M. Schwartzstein MD
Ellen and Melvin Gordon Professor of Medicine
Faculty Associate Dean for Medical Education
Harvard Medical School
Executive Director, Carl J. Shapiro Institute for Education and Research
Vice President for Education, Beth Israel Deaconess Medical Center
Associate Chief, Division of Pulmonary, Critical Care and Sleep Medicine
Beth Israel Deaconess Medical Center

Scott A. Shainker DO, MS
Instructor in Obstetrics, Gynecology, and Reproductive Biology
Harvard Medical School
Director, New England Center for Placental Disorders
Beth Israel Deaconess Medical Center

Email: sshainke@bidmc.harvard.edu

Morgan I. Soffler MD
Clinical and Research Fellow
MGH/BIDMC Pulmonary and Critical Care Program

Email: msoffler@partners.org

Wendy Stead MD
Assistant Professor of Medicine
Harvard Medical School
Staff Physician
Program Director, Infectious Diseases Fellowship
Beth Israel Deaconess Medical Center

Amy M. Sullivan EdD
Assistant Professor of Medicine
Harvard Medical School
Director for Research
The Academy at Harvard Medical School

Email: amy_sullivan@hms.harvard.edu
Harvard Medical School Faculty

**Darren Tavernelli RN, RRT**
Simulation and Skills Educator
Center for Education and the Carl J. Shapiro Simulation and Skills Center
Beth Israel Deaconess Medical Center

*Email: dtaverne@bidmc.harvard.edu*

**Jeffrey H. William MD**
Instructor in Medicine
Harvard Medical School
Attending Nephrologist
Beth Israel Deaconess Medical Center

*Email: jhwillia@bidmc.harvard.edu*
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The Harvard Medical School designates this live activity for a maximum of 27.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 4.75 credits of Risk Management Study. This includes 1.25 credits of End-of-Life Studies.

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

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In accord with the disclosure policy of the Medical School as well as standards set forth by the Accreditation Council for Continuing Medical Education, course planners, speakers, and content reviewers have been asked to disclose any relevant relationship they, or their spouse or partner, have to companies producing, marketing, re-selling or distributing health care goods or services consumed by, or used on, patients. In addition, faculty have been asked to list any off-label uses of pharmaceuticals and/or devices for investigational or non-FDA approved purposes that they plan to discuss.

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<tr>
<th>NAME</th>
<th>COMPANY</th>
<th>RELATIONSHIP</th>
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<tbody>
<tr>
<td>Course Faculty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael W. Donnino, MD</td>
<td>Kaneka</td>
<td>Grant</td>
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<td></td>
<td>General Electric</td>
<td>Grant</td>
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<tr>
<td>John Marshall, PharmD</td>
<td>Boehringer-Ingelheim</td>
<td>Spouse is an employee</td>
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All other individuals including course directors, planners, reviewers, faculty, staff, etc., who are in a position to control the content of this educational activity have, on behalf of themselves and their spouse or partner, reported no financial relationships related to the content of this activity.

**ACTIVITY COMMERCIAL SUPPORT**

This activity received “in-kind” support in the form of durable equipment from Philips and Sonosite.

This activity received “in-kind” support in the form of disposable supplies (non-biological) from Teleflex.
Program
### Friday, Sept. 15, 2017

#### 7:00am – 8:00am

*Registration and Continental Breakfast*

#### 7:00am – 8:00am

**HANDS-ON SKILL LAB: SUNRISE SESSION I** *(pre-registration required)*  
Ultrasound-Guided Vascular Access and IO Placement *(ACCESS TRAINING)*  
*Soffler, Clardy, Hayes, Heckman, Hsu, McSparron*

#### 8:00am – 8:10am

Break

#### 8:10am – 8:20am

Introduction and Welcome

#### 8:20am – 9:10am

**Principles of Mechanical Ventilation: What You Need to Know to Manage the Ventilator** *(Clardy)*

#### 9:10am – 9:15am

Transition to Breakouts

### Breakout Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Rotation</th>
<th>Content</th>
</tr>
</thead>
</table>
| 9:15am – 10:00am | Rotation 1     | **Best Practices for Noninvasive Ventilation and High Flow: A Case-Based Review**  
*Anandaiah, Dudley*                                          |
| 10:00am – 10:20am | Refreshment Break | **What to Do When the Machine Alarms: Moving Your Knowledge from Plateau to Peak**  
*Levy, Previtera*                                                      |
| 10:20am – 11:05am | Rotation 2     | **Retain or Refer: Managing ARDS in 2017** *(McSparron)*            |
| 11:05am – 11:10am | Transition     |                                                                         |
| 11:10am – 11:55am | Rotation 3     |                                                                         |
| 11:55am – 1:10pm  | Lunch Break    |                                                                         |

#### 12:25pm – 1:10pm

**HANDS-ON SKILL LAB: MIDDAY SESSION I** *(pre-registration required)*  
Ultrasound-Guided Vascular Access and IO Placement *(ACCESS TRAINING)*  
*Soffler, Clardy, Hayes, Hsu*

#### 1:10pm – 2:00pm

Infections and Antimicrobials in the ICU - ID Emergencies: Getting it Right When it Really Matters *(Stead)*

#### 2:00pm – 2:35pm

Deadly and Underdiagnosed: Strategies to Recognize and Minimize Delirium *(Hayes)*
### Friday, Sept. 15, 2017 (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
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<tbody>
<tr>
<td>3:20pm – 3:40pm</td>
<td>Refreshment Break</td>
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<tr>
<td>3:40pm – 4:05pm</td>
<td>Reversing the NOACs</td>
<td>Marshall</td>
</tr>
<tr>
<td>4:05pm – 4:30pm</td>
<td>Red Alert: Creating and Activating a Massive Transfusion Protocol</td>
<td>Riviello</td>
</tr>
<tr>
<td>4:30pm – 5:15pm</td>
<td>To Transfuse or Not to Transfuse: Evidence-Based Guidelines for Transfusion in the ICU</td>
<td>Richards</td>
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</tbody>
</table>

### Optional Advanced Workshop (registration and additional fees apply)

**Advanced Critical Care Echocardiography: Individualizing Care (Featuring Live Patient Models)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>6:00pm – 7:00pm</td>
<td><strong>WORKSHOP I</strong></td>
<td>Hayes, McSparron, Hsu Riviello</td>
</tr>
<tr>
<td>7:00pm – 8:00pm</td>
<td><strong>WORKSHOP II</strong></td>
<td>Hayes, McSparron, Hsu, Riviello, Soffler</td>
</tr>
</tbody>
</table>
Saturday, Sept. 16, 2017

7:00am – 8:00am  Continental Breakfast

7:00am – 8:00am  HANDS-ON SKILL LAB: SUNRISE SESSION II (pre-registration required)
Ultrasound-Guided Vascular Access and IO Placement (ACCESS TRAINING)
Soffler, Clardy, Hayes, Heckman, Hsu, McSparron, Pogach

8:00am – 8:10am  Break

8:10am – 9:00am  Shock and Awe: A Case-Based Approach to
Diagnosing Shock and Managing Vasopressors  Clardy

9:00am – 9:45am  Management of Commonly Encountered
Electrolyte Abnormalities in Your ICU  William

9:45am – 10:05am  Refreshment Break

10:05am – 11:00am  Not Just for Lines: An Overview of
Point-of-Care Ultrasound – Live Patient Demo  McSparron, Hsu, Fobert

11:00am – 11:40am  Questions and Discussion

11:40am – 1:10pm  Lunch Break (on your own)

12:10pm – 1:10pm  HANDS-ON SKILL LAB: MIDDAY SESSION II (pre-registration required)
Ultrasound-Guided Vascular Access and IO Placement (access training)
Clardy, Hsu, Hayes, McSparron

OPTIONAL SESSIONS: SPECIFIC POPULATIONS (pre-registration required)
12:10pm- 1:10pm  Customize your learning experience and choose one of the following workshops

  Updates in Pediatric Critical Care: What Every General Intensivist Should Know  Rettig

  What to Do While the OBGYN is On the Way: Management of the Critically Ill Pregnant Patient  Shainker, Soffler

  Teaching Critical Thinking in Critical Care  Schwartzstein
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:10pm – 1:15pm</td>
<td>Transition</td>
<td></td>
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<tr>
<td>1:15pm – 2:00pm</td>
<td>Controversies in ACLS and Critical Care</td>
<td>Donnino</td>
</tr>
<tr>
<td>2:00pm – 2:45pm</td>
<td>Sepsis Management from the ED to the ICU: What You Need to Know</td>
<td>Berg, Donnino</td>
</tr>
<tr>
<td>2:45pm – 3:05pm</td>
<td><strong>Refreshment Break</strong></td>
<td></td>
</tr>
<tr>
<td>3:05pm – 3:50pm</td>
<td>Update in the Management of Overdoses and Toxidromes</td>
<td>Bruccoleri</td>
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<tr>
<td>3:50pm – 4:40pm</td>
<td>Reverence for Life at the End of Life</td>
<td>Hayes</td>
</tr>
<tr>
<td>4:40pm – 5:30pm</td>
<td>Game Changers: The Top 5 Things You Can Do in Your ICU Right Now to Improve Outcomes</td>
<td>Hayes, McSparron</td>
</tr>
</tbody>
</table>
Local Resources
## WHERE TO EAT?

### CAFE/GRAB & GO
- Seaport Bakery Café (hotel lobby)
- Blue State Coffee – 155 Seaport Blvd.
- Cosi – 2 Seaport Ln.
- Sebastian’s – 164 Seaport Blvd.
- J. Pace and Sons – 225 Northern Ave.
- Gallo's Pizzeria – 165 Seaport Blvd.
- Dunkin Donuts – 200 Seaport Blvd.
- Salvatore’s – 225 Northern Ave.
- Larry J’s BBQ Café – 600 D St.
- Yankee Lobster – 300 Northern Ave.

### LOUNGE/TAVERN
- Tamo Bistro & Bar - (hotel lobby)
- Atlantic Beer Garden - 146 Seaport Blvd.
- The Whiskey Priest - 150 Seaport Blvd.
- Committee - 50 Northern Ave.
- Drink - 348 Congress St.
- Lucky’s Bar and Lounge - 355 Congress St.

### CASUAL DINING
- Rosa Mexicano - 155 Seaport Blvd.
- LTK (Legal Test Kitchen) - 225 Northern Ave.
- Salvatore’s - 225 Northern Ave.
- Tony C's Bar and Grill - 242 Northern Ave.
- No Name Restaurant - 15 Fish Pier Street
- Babbo Pizzeria e Entoca - 11 Fan Pier
- Daily Catch - 2 Northern Ave.
- MC Spiedo - 606 Congress St.

### FINE DINING
- Aura Restaurant (hotel lobby)
- Morton’s The Steakhouse - 2 Seaport Ln.
- 75 on Liberty Wharf (American) - 220 Northern Ave.
- Legal Harborside (Seafood) - 270 Northern Ave.
- Del Frisco’s Steakhouse - 250 Northern Ave.
- Temazcal Tequila Bar (Mexican) - 250 Northern Ave.
- Menton (French) - 354 Congress St.
- Sportello (Italian) - 348 Congress St.
- Strega (Italian) - 1 Marina Park Dr.
- Empire (Asian) - 1 Marina Park Dr.
Things to do in Boston

1. Walk The Freedom Trail
Boston has huge significance in American history, and the Freedom Trail is a path that leads through downtown Boston and passes 16 of the city’s most significant historical sites. Included amongst them are the Old State House, from whose balcony the Declaration of Independence was proclaimed in 1776, the Granary Burying Ground where many notable Revolutionary War-era patriots were laid to rest, and finally, the Bunker Hill Monument, a granite obelisk that was built to commemorate the Battle of Bunker Hill. Walking the trail (2.5 miles in length) will give you a great insight into the history not only of Boston itself, but also into the foundation of the United States of America as it is today. To learn more visit: www.thefreedomtrail.org

2. Visit Harvard and MIT
Boston is well-known worldwide for its academia, in particular for being home to the prestigious universities of Harvard and MIT (Massachusetts Institute of Technology). Harvard is not only one of the world’s best universities, it’s also one of the oldest, and a trip out to Cambridge to see its 210-acre campus is well worth the effort. To walk takes over an hour, but the subway will get you there in 15 minutes, so unless you have very comfortable shoes, this is probably a better option! Although a more modern establishment, MIT also has a fantastic reputation worldwide. MIT buildings are scattered along Massachusetts Avenue, which leads out to Harvard, so can easily be visited in the same trip. To learn more visit: www.mit.edu

3. Have Fun on the North End Market Tour
Discover Boston's Italian neighborhood, the North End and its fine food establishments. In this three-hour tour, follow the cobblestone streets and discover small markets that supply ingredients for the enticing menus on Hanover Street. A history of the North End will be shared before delving into different stores and pointing out food products and ingredients that are staples of authentic Italian cuisine. And yes, there are free samples! To learn more visit: www.bostonfoodtours.com

4. Take a Stroll Through Boston Common and Boston Public Garden
As the starting point for the Freedom Trail, you will be guaranteed a glimpse of Boston’s attractive Common, but just next door is the beautiful Public Garden, which is well worth a visit in its own right. Aside from the historic monuments and statues, and the botanical park, there is also the famous lagoon with its swan boats. Even if you don’t want a ride on them, just sitting by the side taking in the views will keep you entertained. The park is particularly nice in the autumn as the leaves turn a mix of vibrant red and orange. To learn more visit: www.friendsofthepublicgarden.org

5. Enjoy the Isabella Stewart Gardner Museum
At the beginning of the 20th Century, heiress and philanthropist Isabella Stewart Gardner built a home modeled after a 15th-century Venetian palace. Gardener was a great patroness of famous artists, such as James Whistler and John Singer Sargent. She also acquired European masterpieces, and her palace is now a museum filled with works by Titian, Matisse, Rembrandt, and Raphael. The courtyard of this Isabella Stewart Gardner Museum, is an oasis in any season, filled with beautiful plants and flowers. Learn more visit: www.gardnermuseum.org

6. Visit the Boston Aquarium
Another of Boston’s top attractions, the Boston Aquarium is located on the city’s waterfront, and is credited with revolutionizing the modern aquarium experience for visitors through its emphasis on a more natural setting for aquatic life. Visitors can see sharks, turtles, stingrays, penguins and even a Giant Pacific Octopus. For more information visit: www.neaq.org

7. Take a Ferry to the Boston Harbor Islands
Want to swim, hike, explore the ruins of an old fort and camp out under the stars at a national park? Believe it or not, you can do all of these things without leaving the city of Boston. The Boston Harbor Islands National Recreation Area consists of 34 narrow isles scattered in New England's most historic harbor, and you can visit these "hidden" outdoor spaces by boarding seasonal ferries from Boston's Long Wharf. To learn more visit: www.bostonharborislands.org

8. Take a Ferry to the Boston Harbor Islands
Experience the art and mystery of brewing at the Sam Adams Brewery. Taste the rich malts and spicy hops, the classic ingredients of beer. Tour the Boston Beer Museum and learn about Boston's proud brewing past. And taste the history-the classic, award-winning beers of Samuel Adams. Besides the Sam Adams Brewery, the Harpoon Brewery offer tasting of best beers New England can produce. The tasting is free and lasts about one hour. Visit the brewery online at: www.samueladams.com

9. Have Some Beer on the Brewery Tour
Whilst there’s plenty to keep you entertained in Boston itself, if you fancy getting out of the city for a day one good option is a trip out to the town of Salem. Only half an hour or so by train from Boston, Salem was one of the most significant seaports in early America, but is better known for being the location of the infamous Witch Trials of 1962. A lot of the attractions are seriously kitsch, but it’s nevertheless an interesting spot to visit. Explore Salem online as well at: www.salem.org
Things to do in Boston continued...

11. Tour Fenway Park
"America's Most Beloved Ballpark" is uniquely nestled in the city of Boston. Fenway Park is a place where dreams are made, traditions are celebrated and baseball is forever. See the home of Red Sox Legends, Williams, Yaz, Fisk and Rice. Visit Pesky's Pole and sit atop the world famous Green Monster which stands 37 feet 2 inches high overlooking leftfield. Our experienced tour guides will provide a thrilling, one hour, walking tour of Fenway Park. We welcome all fans to Fenway Park, home of the Boston Red Sox and the pulse of Red Sox Nation. For tour times and pricing visit:

www.redsox.com

12. Visit the Boston Public Library
In addition to its 8.9 million books, the BPL boasts a wealth of rare books and manuscripts, maps, musical scores and prints. Among its large collections, the library holds several first edition folios by William Shakespeare, original music scores from Mozart to Prokofiev's "Peter and the Wolf" and, in its rare book collection, the personal library of John Adams. Throughout the year, the Boston Public Library hosts exhibitions that offer the public an opportunity to view books and documents usually available only to research scholars. Over 3 million people visit the BPL each year, many in pursuit of research material, others looking for an afternoon's reading or the use of the computer or to attend a class, still others for the magnificent and unique art and architecture of many library locations. For information on the library hours, directions and tours visit:

www.bpl.org

13. Explore The Arnold Arboretum
Created by Harvard University in the 1870s, the Arnold Arboretum is the oldest public arboretum in the country. Its many acres of varied horticultural landscaping offer a diverse array of plant life, including many kinds of trees, a Bonsai collection, and lovely rhododendrons. More than 180 species of birds also inhabit the arboretum. For directions and tour times visit:

www.arboretum.harvard.edu

14. Tour Harvard University & Harvard Square in Cambridge
Established in 1962, we meet and greet visitors from all over the world! Our mission is to serve as the “front door” to the University by providing historical and general information about our campus to visitors, neighbors and the public. To learn more visit:

www.harvard.edu/visitors. For information on touring Harvard Square visit: www.harvardsquare.com

15. Copley Place Shopping and visit to Skywalk at the Prudential Tower
Copley Place is a large modern mixed-use complex, with features such as an upscale shopping mall, parking garage, office space, and two hotels. The shopping mall includes many luxury retailers such as Ralph Lauren and Tiffany & Co. Copley Place is located at the southwest corner of Copley Square, which can be considered the heart of Boston’s Back Bay District. For hours and complete list of stores visit:

www.simon.com/mall/copley-place

Prudential Mall is in the middle of everything Boston has to offer. You will find unique shopping, including places like Vineyard Vines, Lord & Taylor, Saks Fifth Avenue, Sephora, and Vera Bradley. Plus you'll find a variety of popular activities, and restaurants such as Legal Sea Foods and 5 Napkin Burger, and it's all under one roof. The Shops at Prudential Center. Easy to get to, and easy to get anywhere from. It should be the starting point of every Boston visit. Learn more on-line at: www.prudentialcenter.com

While visiting the Prudential Mall, be sure to visit the Skywalk Observatory, Boston's only sky-high vantage point for sweeping 360 degree views of Greater Boston and beyond. Let your eyes and ears do the walking as you experience the exclusive state-of-the-art Acoustiguide audio tour detailing the city's many points of historic and cultural interest. Offered in 2 additional languages, French Canadian and Japanese. For hours of operation and pricing visit the Prudential Mall website above, click on the "play" tab to see the pull down for the Skywalk.

16. Boston Duck Tours
Boston Duck Tours is a great way to start off your visit to Boston. The fun begins as soon as you board your "DUCK", a W.W.II style amphibious landing vehicle you will get a great overview of the city, showing you many unique neighborhoods and splash you into the Charles River for a breathtaking view of the Boston and Cambridge skylines. For tour times, pricing and list of landmarks you will see visit: www.bostonducktours.com

17. John F. Kennedy Library
Visit us in our striking I.M Pei building on Boston’s waterfront. Located on Columbia Point, the Library and Museum is set on a ten acre park landscaped with pine trees, shrubs and wild roses reminiscent of the landscape of Cape Cod familiar to President Kennedy
To learn more visit: www.jfklibrary.org

Looking for more things to do while in Boston? Here are some others to consider:
~ Museum of Fine Arts ~ Museum of Science ~ Beacon Hill Walking Tour ~
~ Old Town Trolley Tour of Boston ~ Walking Tour of Boston ~
~ Newbury Street Shopping and Spa Day ~ Spend an Evening in one of Boston's Irish Bars ~
Course Materials are Online

www.MeetingSyllabus.com/criticalcare
password: ccm2017

Need help? Please contact Agri Meetings at info@agrimetings.com for further assistance. CME related questions should be directed to Harvard Medical School at ceprograms@hms.harvard.edu
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Sept. 26 – 29, 2018
Seaport Hotel
Boston, Massachusetts

Additional information will be available soon www.CriticalMedBoston.com