



HARVARD MEDICAL SCHOOL

DEPARTMENT OF CONTINUING EDUCATION

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Shock Symposium

May 31, 2011

at the
The Joseph B. Martin Center at Harvard Medical School

Course Directors

Michael W. Donnino, MD and Michael N. Cocchi, MD

Course Organizer

Francesca C. Montillo

COURSE OBJECTIVES

- Identify challenges and strategies in the diagnosis and management of shock
- Provide the clinical skills necessary for the optimal management of shock
- Update clinicians on the recent advances and controversies regarding shock management

Schedule

7:30 - 8:00 Registration
8:00 - 8:10 Opening Remarks

MORNING SESSIONS

Session I: (8:15-10:20)

8:15 - 9:00 Update on Cardiac Arrest: 2010 Guidelines and Beyond Robert Berg, MD
 9:00 - 9:45 Navigating the Massive Pulmonary Embolism Samuel Goldhaber, MD
 9:45 - 10:20 The Road Less Traveled: Uncommon but Reversible Forms of Shock Michael Donnino, MD
 10:20 - 10:35 Break

Session II: (10:35-12:30)

Diagnosis and Management of Hemodynamic Derangements Richard E. Wolfe, MD (Moderator)
 10:35 - 11:20 Endpoints of Resuscitation and Hemodynamic Management in Shock Luca Bigatello, MD
 11:20 - 11:50 Vasopressor Choice in Shock: Important Decision or Just Shuffling Chairs on the Titanic? Daniel S. Talmor, MD, MPH
 11:50 - 12:30 The Evolving Utility of Ultrasound in Shock Sajid Shahul, MD
 12:30 - 1:30 Lunch

AFTERNOON SESSIONS

Session III (1:30-3:05)

Massive Gastrointestinal Hemorrhage Peter F. Clardy, MD (Moderator)
 1:30 - 1:45 The Bedside Emergency and Critical Care Physician Perspective Daniel C. McGillicuddy, MD
 1:45 - 2:00 The Gastrointestinal Physician Perspective Ram Chuttani, MD
 2:00 - 2:15 The Interventional Radiologist's Perspective Barry Sacks, MD
 2:15 - 2:30 The Surgeon's Perspective Jonathan Critchlow, MD
 2:30 - 3:05 **The Changing Paradigm in Traumatic Shock: To Operate or Not to Operate** Julie Mayglothing, MD
 3:05 - 3:20 Break

Concurrent Session Track 1 (3:20-4:50)

3:20 - 3:50 The Lung in Shock States B. Taylor Thompson, MD
 3:50 - 4:20 The Microcirculation in Shock States: What's New? Nathan Shapiro, MD, MPH
 4:20 - 4:50 Mitochondrial DAMPs in Shock: Cause or Effect? Carl Hauser, MD

Concurrent Session Track 2 (3:20-4:50): The Tough Case Corner

3:20 - 3:50 *Case 1: 70 Year Old Male Status Post Cardiac Arrest in Shock* Michael N. Cocchi, MD/Donna Williams, RN
 3:50 - 4:10 *Case 2: 78 Year Old Female With Atrial Fibrillation With RVR Unresponsive to Cardioversion* TBA
 4:10 - 4:30 *Case 3: 61 Year Old Female From Haiti With Cholera Who Presents in Shock. Attempts at IV Access Fail* Mark Walsh, MD
 4:30 - 4:50 *Case 4: 61 Year Old Female With Shock and Sizeable Pericardial Effusion* Andre Dejam, MD, PhD

Please Note: Program changes/substitutions may be made without notice.

Registration Information on Reverse Side

May 31, 2011

SHOCK SYMPOSIUM Class #3124125

Attending Physician: \$275 (USD)
Residents*/Fellows in Training*, Nurses: \$125 (USD)
EMT/Paramedics: \$75 (USD)

All Fields Required. Please Print Clearly.

Name _____ Degree _____
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Please check if you want to be **excluded** from receiving email notices of future Harvard Medical School, Department of Continuing Education programs.

E-mail Address _____

Please note: Your email address is used for critical information about the course including: registration confirmation, course evaluation and certificate. Please be sure to include an email address you check daily or frequently.

Professional School Attended _____ Year of Graduation _____

Profession _____

Primary Specialty (Physicians Only) _____ Board Certified: Yes No

Organization Affiliation _____

*A letter of verification from Department Chair must accompany registration form for a reduced fee.

Payment Information

If Paying by Check, please make payable to Harvard Medical School and mail it with this registration form to:
Harvard Medical School-Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825

If Paying by Credit Card, telephone, fax or mail-in registrations are not accepted. Please register online at: www.cme.hms.harvard.edu/courses/shock

Online registrants--add the first three characters of the source code here →

Source Code: WEB

FACULTY

Robert A. Berg, MD

*Russell Raphaely Endowed Chair
Division Chief, Critical Care Medicine
Children's Hospital of Philadelphia*

Luca Bigatello, MD

*Attending Anesthesiologist
VA Boston and Massachusetts General Hospital*

Ram Chuttani, MD

*Attending Physician
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Peter Clardy, MD

*Director, Medical Intensive Care
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Michael N. Cocchi MD

*Associate Director of Critical Care Quality
Attending Physician, Department of
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Department of Anesthesia Critical Care
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Andre Dejam, MD, PhD

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Attending Physician, Department of Emergency
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Samuel Goldhaber, MD

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Carl J. Hauser, MD

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*Director, Medical Intensive Care Unit
Medical Director, ARDS Network Coordinating
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Mark Walsh, MD, FACEP

*Director of Medical Education
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Donna Williams, RN MS, CCRN

*Clinical Nurse Specialist, Division of Cardiology
Beth Israel Deaconess Medical Center*

Richard E. Wolfe, MD

*Chief, Department of Emergency Medicine
Beth Israel Deaconess Medical Center*

NORTH



From South of Boston: Take I-93 North to exit 26 (Cambridge/Storrow Drive). Keep left at the end of ramp and take underpass to Storrow Drive. Follow Storrow Drive approximately 2.5 miles to Kenmore Square exit (on left). Bear right at end of exit ramp into Kenmore Square. Take leftmost fork at intersection onto Brookline Avenue. Follow Brookline Avenue approximately 1 mile (Beth Israel Hospital will be on left) until Longwood Avenue. Take left on Longwood Avenue and follow approximately 1/2 mile. Take left onto Avenue Louis Pasteur. The Conference Center at Harvard Medical is on left.

From West of Boston: Take I-90 East (Massachusetts Turnpike) to exit 18 (Cambridge/Allston). Bear right after toll booth at end of exit ramp. Turn right after lights (before the bridge) onto Storrow Drive. Follow Storrow Drive (about one mile) to Kenmore Square exit. Bear right at end of exit ramp into Kenmore Square. Take leftmost fork at intersection onto Brookline Avenue. Follow Brookline Avenue approximately 1 mile (Beth Israel Hospital will be on left) until Longwood Avenue. Take left on Longwood Avenue and follow approximately 1/2 mile. Take left onto Avenue Louis Pasteur. The Conference Center at Harvard Medical is on left.

From North of Boston: Take I-93 South to exit 26 (Storrow Drive/North Station). Keep left at end of ramp and take underpass to Storrow Drive. Follow Storrow Drive approximately 2.5 miles to Kenmore Square exit (on left). Bear right at end of exit ramp into Kenmore Square. Take leftmost fork at intersection onto Brookline Avenue. Follow Brookline Avenue approximately 1 mile (Beth Israel Hospital will be on the left) until Longwood Avenue. Take left on Longwood Avenue and follow approximately 1/2 mile. Take left onto Avenue Louis Pasteur. The Conference Center at Harvard Medical is on left.

From Logan Airport: Take Rte. 1A South through Sumner Tunnel after leaving Logan Airport. Watch for detour signs that periodically direct traffic north before allowing access to Rte. 1A South. After tunnel, turn right onto I-93 N. Follow I-93 N about 1/4 mile to exit 26 (Cambridge/Storrow Drive). Keep left at end of ramp and take underpass to Storrow Drive. Follow Storrow Drive approximately 2.5 miles to Kenmore Square exit (on left). Bear right at end of exit ramp into Kenmore Square. Take leftmost fork at intersection onto Brookline Avenue. Follow Brookline Avenue approximately 2 miles (Beth Israel Hospital will be on left) until Longwood Avenue. Take left on Longwood Avenue and follow approximately 1/2 mile. Take left onto Avenue Louis Pasteur. The Conference Center at Harvard Medical is on left.

D Line Subway: Take train to Longwood Station. From station, turn left on to Chapel Street and walk up short hill to Longwood Avenue. Turn left on to Longwood Avenue. Follow until Avenue Louis Pasteur and take left. The Conference Center at Harvard Medical is on left (about a 15 minute walk from the Longwood Station).

E Line Subway: Take train to Longwood Medical Area Station. From stop, proceed down Longwood Avenue towards the hospitals. Take right onto Avenue Louis Pasteur. The Conference Center at Harvard Medical is located on the left (about a 10 minute walk from the Longwood Medical Area Station).

GENERAL INFORMATION

ACCREDITATION:

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity Shock Symposium for a maximum of 7 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

REGISTRATION INFORMATION:

Tuition Fee - \$275 (USD). Reduced Fee for Residents and Fellows in Training*, Nurses: (with a letter of verification from Department Chair) - **\$125 (USD).** **EMT/Paramedics: \$75 (USD).** All foreign payments must be made by a draft on a United States Bank or by Visa or MasterCard. If paying by check, please make payable to *Harvard Medical School* and mail with completed registration form to **Harvard Medical School-Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825.** If paying by credit card, please register online at www.cme.hms.harvard.edu/courses/shock. **Telephone, fax or mail-in registration with credit card payment is not accepted.** Inquiries should be directed to the above address, made by phone: (617) 384-8600, Monday - Friday, 10 AM to 4 PM (EST), or by e-mail: hms-cme@hms.harvard.edu. Upon receipt of your registration form an email confirmation from the HMS-DCE office will be sent to you. Therefore, be sure to include an email address that you check daily/frequently. Your email address is used for critical information about the course including: registration confirmation, course evaluation and certificate.

ONLINE INFORMATION:

To register or view course information online, visit our home page: www.resus-symposium.com. To ensure proper registration, please add the first three characters of the source code found at the bottom of the registration form.

REFUND POLICY:

A handling fee of \$60 is deducted for cancellation. Refund requests must be received by mail or fax one week prior to the course. No refunds will be made thereafter.

COURSE LOCATION:

All sessions will be held at the **Harvard Conference Center**, 77 Avenue Louis Pasteur, Boston, MA (Telephone: 866-790-7000).

ACCOMMODATIONS:

Hotel rooms in Boston and Cambridge are limited. You are urged to make your reservations early. The Fairmont Copley Plaza Hotel (Telephone: 617-267-5300 or 1-800-441-1414), 138 St. James Avenue, Boston, MA 02116 and **The Courtyard by Marriott** (Telephone: 866-296-2296), 40 Webster Street, Coolidge Corner Brookline, MA 02446. A map of Boston and Cambridge listing local hotels will be sent with your confirmation of enrollment. For additional housing information, call Boston Reservations at (617) 332-4199.

Please do not make non-refundable airline reservations until your enrollment in the course has been confirmed. You can make your airline reservation by calling the HMS Travel Desk toll free 1(877)4-HARVMD (1-877-442-7863) Monday – Friday 9 AM to 8 PM (EST). From outside the U.S., Canada and Virgin Islands, please call (617) 559-3764.

TRAVEL:

PARKING:

For parking information, please refer to: www.theconfcenter.hms.harvard.edu/parking

DIRECTIONS:

For directions, please refer to: www.theconfcenter.hms.harvard.edu/directions