

Continuing Medical Education



Perelman
School of Medicine
UNIVERSITY of PENNSYLVANIA

Center for Resuscitation Science

The Department of Emergency Medicine

Hospital of the University of Pennsylvania

Presents

HYPOTHERMIA AND RESUSCITATION TRAINING INSTITUTE AT PENN (HART)



A CME/CE-CERTIFIED COURSE

**Thursday-Friday
March 19-20, 2015**

**Loews Philadelphia Hotel
1200 Market Street
Philadelphia, PA 19107**

COURSE CO-DIRECTORS

**Benjamin S. Abella, MD, MPhil
Marion Leary, MPH, MSN, RN**

GUEST FACULTY

**J. Hope Kilgannon, MD, FAAEM
Attending Physician
Associate Professor of Emergency Medicine
Cooper Medical School of Rowan University**

**In Conjunction with
Hospital of the University of Pennsylvania,
Department of Nursing Education,
Innovation and Professional Development**



PROGRAM OVERVIEW & TARGET AUDIENCE

Hypothermia and Resuscitation Training Institute at Penn (HART) is an intensive two-day “boot camp” designed to educate relevant care providers on the use of targeted temperature management in critical illness and post-arrest and resuscitation care, as well as CPR quality, cardiac catheterization, internal cardiac defibrillator (ICD) consideration and advanced ICU care. In addition to scholarly presentations and discussions regarding targeted temperature management usage, a key goal is to help each attendee explore the various methods and protocols currently being used around the country and to have hands-on technical experience with the equipment used, as well as CPR “challenge” simulations. By the conclusion of the course, each attendee will have a firm grasp of the practical issues surrounding the implementation of targeted temperature management (TTM) and its range of applications and uses, and will gain an understanding of how to best develop and implement a comprehensive in-hospital high quality resuscitation program.

This activity has been designed for physicians (cardiologists, neurologists, emergency medicine physicians, intensive care physicians), physician assistants, registered and advanced practice nurses, and emergency medical service directors and paramedics.

Learning Objectives

At the conclusion of this program, learners should be able to:

- Review the history, evidence and pathophysiology surrounding the use of TTM
- Create a working TTM protocol for their respective institutions
- Determine appropriate inclusion and exclusion criteria for patients being considered for comprehensive care including temperature and hemodynamic management
- Implement TTM for patients at their respective institutions
- Develop a “post-cardiac arrest bundle” of care for their organization including the use of automatic external defibrillators, CPR quality improvement, and debriefing arrest events

Hosting Department

Hypothermia and Resuscitation Training Institute at Penn (HART) is hosted by the Center for Resuscitation Science, Department of Emergency Medicine, Hospital of the University of Pennsylvania.

Accreditation

Physicians: The Perelman School of Medicine at the University of Pennsylvania is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Nurses: The Hospital of the University of Pennsylvania, Department of Nursing Education, Innovation and Professional Development is an approved provider of continuing nursing education by the PA State Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

Designation of Credit

Physicians: The Perelman School of Medicine at the University of Pennsylvania designates this live activity for a maximum of 15.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: The program will award 15.5 contact hours.

Certificates and Transcripts: A few days prior to the symposium, pre-registered participants will receive an email containing directions, additional symposium information and a link to the symposium pre-test, a short questionnaire that will be used to gauge participant knowledge. After the symposium has concluded, all participants will receive a follow-up email containing a link to the post-test, symposium evaluation and request for credit. Once participants submit the request for credit, the credit can be viewed on a transcript or a certificate can be printed by logging onto www.penncmeonline.com once the conference concludes. Paper certificates will no longer be mailed from the Office of Continuing Medical Education.

Disclosures

Perelman School of Medicine at the University of Pennsylvania, Office of Continuing Medical Education, adheres to the *ACCME Standards for Commercial Support*. Faculty disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.

Registration Fees

The registration fees for *Hypothermia and Resuscitation Training Institute at Penn (HART)* are \$795 for physicians and industry and \$595 for other healthcare professionals, residents, and fellows. The registration fees for the 2-day conference include tuition, course syllabus on a flash drive, continental breakfasts, morning and afternoon breaks and lunch on both days as well as a reception on Thursday, March 19, 2015.

Registration forms may be mailed or faxed to the Office of Continuing Medical Education or you may register on-line at www.penncmeonline.com and click on CME Activities/Live Events. Please see the bottom of the registration form for contact information. All registrations will be confirmed via e-mail if the necessary form and fee are received by the Office of Continuing Medical Education.

Cancellation and Refund Policy

In order to process refunds for course withdrawals, cancellations must be received in writing by Thursday, February 26, 2015 (subject to a service charge equivalent to 10% of the registration fee). No refunds will be issued thereafter.

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund any registration fees but is not responsible for any related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.

Meeting Location

Hypothermia and Resuscitation Training Institute at Penn (HART) will take place on Thursday and Friday, March 19-20, 2015 at the Loews Philadelphia Hotel, 1200 Market Street, Philadelphia, PA.

If you require overnight room reservations, please call the Loews Philadelphia Hotel at 215-627-1200. You may also register online using the following link: <https://aws.passkey.com/event/11560020/owner/4127/home> and enter the following booking code: UPH318. A block of rooms has been reserved for March 18-20 at the special rate of \$229 plus applicable taxes at the time of checkout, currently 15.2%. This rate will remain effective until Thursday, February 18, 2015 or when the room block is full, whichever occurs first. Parking is available at the hotel. Current valet charges are \$38.00 per night plus tax. The parking fee is your responsibility and is not included or reimbursed by the conference.



Except as otherwise indicated, the course directors and faculty are from Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA

COURSE DIRECTORS

Benjamin S. Abella, MD, MPhil

Associate Professor

Department of Emergency Medicine

Perelman School of Medicine

at the University of Pennsylvania

Clinical Research Director

Center for Resuscitation Science

Attending Physician, Emergency Department

Hospital of the University of Pennsylvania

Marion Leary, MPH, MSN, RN

Assistant Director of Clinical Research

Center for Resuscitation Science

Associate Course Director

School of Nursing at the University of Pennsylvania

Nurse, Medical Intensive Care Unit

Hospital of the University of Pennsylvania

GUEST FACULTY

J. Hope Kilgannon, MD, FAAEM

Attending Physician

Associate Professor of Emergency Medicine

Cooper Medical School of Rowan University

Services for the Disabled If special arrangements are required for an individual with a disability to attend this meeting, please contact the Center for Resuscitation Science no later than February 26, 2015, at 215-662-6912.

Nondiscrimination Statement The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD). www.upenn.edu/affirm-action

FACULTY

Cassandra Bellamy, PharmD, BCPS

Clinical Specialist, Critical Care

Medical Intensive Care Unit

Hospital of the University of Pennsylvania

Lance B. Becker, MD

Professor of Medicine

Perelman School of Medicine

at the University of Pennsylvania

Director, Center for Resuscitation Science

Attending Physician, Emergency Department

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Gail Delfin, MSN, RN

Clinical Research Nurse

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Thomas Jefferson University

Vice Chair, Resuscitation Services

Director, Emergency Critical Care

Attending Physician, Emergency Department

Thomas Jefferson University Hospitals

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Associate Professor of Medicine

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Perelman School of Medicine

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Director, Cardiac Care Unit

Cardiovascular Division

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Joshua M. Levine, MD

Associate Professor of Neurology

Perelman School of Medicine

at the University of Pennsylvania

Co-director, Neurocritical Care Program

Departments of Neurology, Neurosurgery and Anesthesiology

Hospital of the University of Pennsylvania



Thursday – Friday, March 19-20, 2015

AGENDA

Thursday, March 19, 2015

7:30 AM – 8:00 AM **Registration and Continental Breakfast**

8:00 AM – 8:15 AM **Welcome and Course Orientation**
Benjamin S. Abella, MD, MPhil

DIDACTIC LECTURE BLOCK

8:15 AM – 9:00 AM **Review of Post-resuscitation Care Evidence and Trials**
Benjamin S. Abella, MD, MPhil

9:00 AM – 9:45 AM **Review of Therapeutic Temperature Management and FDA Approved Indications**
David F. Gaieski, MD

9:45 AM – 10:05 AM **Break and Exhibits**

10:05 AM – 10:45 AM **How to be a Champion: Knowledge Translation and Roadblocks**
Gail Delfin, MSN, RN

10:45 AM – 11:15 AM **Breaking the Barriers to Raising the Dead**
Lance B. Becker, MD

11:15 AM – 11:30 AM **Survivor Story**

11:30 AM – 12:20 PM **Lunch With Q & A Faculty Panel:**
Benjamin S. Abella, MD, MPhil
Lance B. Becker, MD
Gail Delfin, MSN, RN
David F. Gaieski, MD

12:20 PM – 12:30 PM **Simulation Information**
Marion Leary, MPH, MSN, RN

BREAKOUT SESSIONS AND SIMULATIONS (FIVE TEAMS WITH ROTATIONS)

12:30 PM – 4:00 PM **Station 1: Q&A on the 33 vs 36 TTM Trial**
Benjamin S. Abella, MD, MPhil
Station 2: Patient Selection and Implementation of Protocol
Gail Delfin, MSN, RN
Station 3: “Hands-on” CPR Quality Stations
Station 4: Post-arrest Simulation
Station 5: Post-arrest Simulation

4:00 PM – 6:00 PM **Reception / Lecture**
Benjamin S. Abella, MD, MPhil

Friday, March 20, 2015

7:30 AM – 8:00 AM **Registration and Continental Breakfast**

DIDACTIC LECTURE BLOCK

8:00 AM – 8:45 AM **TTM and Cardiovascular Management**
Daniel M. Kolansky, MD

8:45 AM – 9:30 AM **TTM and Neurological Monitoring**
Joshua M. Levine, MD

9:30 AM – 9:45 AM **Break and Exhibits**

9:45 AM – 10:15 AM **Pharmacological Considerations With Cooling**
Cassandra Bellamy, PharmD, BCPS

10:15 AM – 10:45 AM **Adverse Effects of TTM: Managing Side Effects**
Barry D. Fuchs, MD, MS, FCCP

10:45 AM – 11:15 AM **Building a Resuscitation Quality Program: Defibrillation, QA, & Beyond**
Benjamin S. Abella, MD, MPhil

11:15 AM – 12:30 PM **Lunch Lecture**
The Role of Oxygen in the Post-arrest Phase
J. Hope Kilgannon, MD, FAAEM

BREAKOUT SESSIONS AND SIMULATIONS (FIVE TEAMS WITH ROTATIONS)

12:30 PM – 4:00 PM **Station 1: Monitoring of Post-arrest Patients and Potential Pitfalls**
Gail Delfin, MSN, RN

Station 2: Using TTM for Neurologic Injury, Other Applications
Joshua M. Levine, MD

Station 3: Certification Exam
Benjamin S. Abella, MD, MPhil

Station 4: Post-arrest Simulation

Station 5: Post-arrest Simulation

4:00 PM **Adjournment**

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March 19-20, 2015

To register online for the course please visit www.penncmeonline.com
and click on CME Activities

You May Also Mail or Fax Payment and Registration Information to:

Conference Coordinator, Perelman School of Medicine at the
University of Pennsylvania, Office of Continuing Medical Education
150 Anatomy/Chemistry Building, 3620 Hamilton Walk
Philadelphia, Pennsylvania 19104-6061
Phone: 215-898-8005 | Fax: 215-898-1888 | penncme@mail.med.upenn.edu

Please print or type

Name (First) _____ (Last) _____

Academic Degree _____

Medical Specialty _____

Affiliation (Hospital, Office, or Company) _____

Address (☐ Affiliation or ☐ Home) _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail _____

Registration Fee (pre-payment is required to be officially registered)

- ☐ \$795 Physicians and Industry
☐ \$595 Other Healthcare Professionals, Residents and Fellows

Optional Purchase

You must register and pay for the course in order to purchase any additional options

Optional DVD – March 15-16, 2012 Hypothermia Lecture Series

- ☐ \$50 for all registrants

Optional Black and White Syllabus (wire bound) for this Session

- ☐ \$50 for all registrants

Optional Basic Life Support (BLS) for Healthcare Providers Certification Course, Thursday, March 19 at 6 PM. Minimum of 5 attendees required in order to conduct the course.

- ☐ \$75 for all registrants

Note: this fee includes a manual and two year certification card.

This option is only available to non-UPHS personnel.

Payment Method

Make check payable to **The Trustees of the University of Pennsylvania/CME**

- ☐ Visa ☐ MasterCard ☐ Discover ☐ American Express

Authorization Signature _____

Cardholder Name _____

Card # _____ Security Code _____ Exp. Date _____

Promotional Code Number _____

Please Note: Walk-in registrants must bring payment to the program.
Seating may be limited for walk-in registrants.