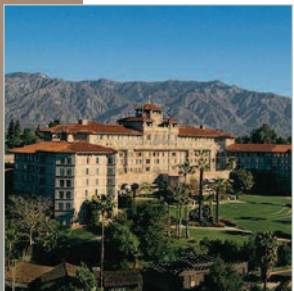


# Clinical Focus

## Hypothermia:

Keeping It Cool—  
How to Implement  
Hypothermia in  
Your Clinical Practice



April 22 – 23, 2010

The Langham, Huntington Hotel and Spa  
Pasadena, California, USA



Advance your understanding of therapeutic hypothermia  
and gain effective strategies for developing, implementing  
and performing hypothermia protocols in your ICU.

**Register today!**

See **page 5**, visit [www.sccm.org/clinicalfocus](http://www.sccm.org/clinicalfocus) or  
contact SCCM Customer Service at **+1 847 827-6888**.



Society of  
Critical Care Medicine  
The Intensive Care Professionals



**Right Care  
Right Now**<sup>™</sup>

## Our Promise

We promise to provide exceptional learning experiences, a vibrant community and essential tools that make you successful in improving the quality of patient care.

## Join SCCM Today!

Save \$100 off the Clinical Focus conference registration fee!

Members save up to 25% on educational programs and resources.

For details on membership options and benefits, visit [www.sccm.org/membership](http://www.sccm.org/membership).



The American Heart Association has been recommending the use of therapeutic hypothermia since 2003. A growing percentage of hospitals around the world include hypothermic therapies in their standard package of care for patients suffering from cardiac arrest. Many expert clinicians expect that all hospitals will eventually adopt this practice.

Although therapeutic hypothermia has many potential uses in critical care, from the adult to the newborn, it also poses many challenges. Optimized management of critically ill and injured patients who are cooled requires discussions related to timing, duration, re-warming, and the impact on coagulation, infection control, and drug metabolism and interactions. Furthermore, successful administration of therapeutic hypothermia requires precise interaction among the entire medical team, making it essential for all critical care practitioners to receive training and stay apprised of the latest advances in this treatment.

## Don't Get Left Out in the Cold

This conference focuses on the clinical aspects of developing, implementing and performing hypothermia protocols in adult and pediatric intensive care units (ICU). Prepare for a hands-on workshop experience that includes simulations, case studies, protocol writing, skill stations, debates, audience participation, and discussion panels.

At the conclusion of this conference, participants should be able to:

- Determine when it is appropriate to use hypothermia on a critically ill or injured patient
- Describe how to implement a hypothermia program
- Formulate a persuasive position to facilitate administrative buy-in for hypothermia use
- Develop hypothermia policies and procedures
- Recognize specific ICU clinician roles and protocols for patient care during and after hypothermia
- Discuss the application of different hypothermia devices
- Manage common complications arising from hypothermia in a critically ill or injured patient
- Measure the effectiveness of outcomes when hypothermia is implemented
- Identify the tools used in hypothermia (e.g., insulin management, ventilation care, basic critical care management)
- Manage the setup of a hypothermia unit

As of January 1, 2009, New York City ambulances take cardiac-arrest patients only to hospitals that use therapeutic hypothermia. Several other U.S. cities, including Boston, Seattle, and Miami, have similar policies in place.

**Register today!** See page 5,

visit [www.sccm.org/clinicalfocus](http://www.sccm.org/clinicalfocus) or

contact SCCM Customer Service at +1 847 827-6888.

# [INVITED] DISTINGUISHED Faculty

The diverse background of these renowned faculty members will offer a well-rounded perspective so you can make the best possible patient care decisions.

## Conference Co-Chair

**Samuel M. Poloyac, PharmD, PhD**  
Associate Professor, Pharmaceutical Sciences  
University of Pittsburgh School of Pharmacy  
Pittsburgh, Pennsylvania, USA

## Conference Co-Chair

**Sergio L. Zanotti-Cavazzoni, MD, FCCM**  
Assistant Professor of Medicine  
Director, Fellowship Training Program  
Division of Critical Care Medicine  
Cooper University Hospital  
UMDNJ—Robert Wood Johnson Medical  
School  
Camden, New Jersey, USA

## Clifton W. Callaway, MD

Associate Professor and Vice Chair  
of Emergency Medicine  
Department of Emergency Medicine  
University of Pittsburgh Medical Center  
Pittsburgh, Pennsylvania, USA

## Nicole L. Kupchik, RN, MN, CCRN-CMC

Critical Care Clinical Nurse Specialist  
Harborview Medical Center  
Seattle, Washington, USA

## Mark E. Nunnally, MD

Associate Professor of Anesthesia and Critical Care  
Department of Anesthesiology and Critical Care  
University of Chicago  
Chicago, Illinois, USA

## Seetha Shankaran, MD

Professor of Pediatrics  
Wayne State University School of Medicine  
Director, Division of Neonatal/Perinatal Medicine  
Children's Hospital of Michigan  
and Hutzel Women's Hospital  
Detroit, Michigan, USA

## Samuel A. Tisherman, MD, FCCM

Professor of Surgery  
Professor of Critical Care Medicine  
University of Pittsburgh Medical Center  
Pittsburgh, Pennsylvania, USA

## Stephen Trzeciak, MD

Assistant Professor, Division of Cardiovascular  
Disease and Critical Care Medicine and the  
Department of Emergency Medicine  
Cooper University Hospital/UMDNJ  
Camden, New Jersey, USA

# CONTINUING Education

## Target Audience

This program is intended for clinicians who are new to the area of hypothermia or for those who want to learn what hypothermia is, how to utilize it and its potential complications. These clinicians include the following:

- Physicians
- Nurses
- Nurse Practitioners
- Pharmacists
- Respiratory Therapists

## Type of Activity

This activity is intended to provide you with strategies to apply and implement hypothermia protocols in your clinical practice.

## Competencies

SCCM supports recommendations that will promote lifelong learning through continuing education. SCCM promotes activities that encourage the highest quality in education that will enhance knowledge, competence or performance in critical care practice. This activity will meet the following:

- Patient- and Family-Centered Care
- Practice Applications
- Communication
- Quality Improvement

## Learning Objectives

At the conclusion of this conference, participants should be able to:

- Determine when it is appropriate to use hypothermia on a critically ill patient
- Describe how to implement a hypothermia program
- Formulate a persuasive position to facilitate administrative buy-in for hypothermia use
- Develop hypothermia policies and procedures
- Recognize specific ICU clinician roles and protocols for patient care during and after hypothermia
- Discuss the application of different hypothermia devices
- Manage common complications arising from hypothermia in a critically ill patient
- Measure the effectiveness of outcomes when hypothermia is implemented
- Identify the tools used in hypothermia (e.g., insulin management, ventilation care, basic critical care management)
- Manage the setup of a hypothermia unit

## Credit Hours

**Nurses** – This program has been approved by the California Board of Registered Nursing, Provider No. 8181, for up to 15 contact hours.



**Pharmacists** – SCCM is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. This course provides up to 15 contact hours of continuing education credit (0236-0000-10-201-L01-P). Pharmacists must complete the online verification form to confirm sessions attended. Upon completion of the online form, a statement of credit can be downloaded or emailed.

**Physicians** – Accreditation Statement: SCCM is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. Designation Statement: SCCM designates this educational activity for a maximum of 15 *AMA PRA Category 1 credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

# Agenda



## THURSDAY, APRIL 22, 2010

7:00 a.m. – 8:00 a.m.	Registration and Continental Breakfast
8:00 a.m. – 8:15 a.m.	Welcome and Program Overview
8:15 a.m. – 12:00 p.m.	<b>Introduction to Therapeutic Hypothermia</b>
8:15 a.m. – 9:00 a.m.	Therapeutic Hypothermia (TH) <ul style="list-style-type: none"> <li>• Historical Perspective</li> <li>• Potential Mechanisms for Neuro-Protection</li> <li>• Physiological Effects of Hypothermia</li> </ul> <b>Stephen Trzeciak, MD</b>
9:00 a.m. – 9:45 a.m.	Who Should Be Cooled? Adult Patients <ul style="list-style-type: none"> <li>• Review of Clinical Trials in Adult Patients</li> </ul> <b>Sergio L. Zanotti-Cavazzoni, MD, FCCM</b>
9:45 a.m. – 10:00 a.m.	BREAK
10:00 a.m. – 10:45 a.m.	Who Should Be Cooled? Pediatric Patients <ul style="list-style-type: none"> <li>• Clinical Trials in Pediatric Patients</li> </ul> <b>Seetha Shankaran, MD</b>
10:45 a.m. – 11:30 a.m.	Consensus Conference Findings <b>Mark E. Nunnally, MD</b>
11:30 a.m. – 12:00 p.m.	Question and Answer Session/Morning Wrap-Up
12:00 p.m. – 1:00 p.m.	LUNCH
1:00 p.m. – 2:30 p.m.	<b>How to Perform Therapeutic Hypothermia: Induction</b>
1:00 p.m. – 1:40 p.m.	Induction of Hypothermia <ul style="list-style-type: none"> <li>• Intravenous Fluids</li> <li>• Surface Cooling</li> <li>• Invasive Devices</li> </ul> <b>Samuel A. Tisherman, MD, FCCM</b>
1:40 p.m. – 2:20 p.m.	Additional Considerations During Induction <ul style="list-style-type: none"> <li>• Temperature: Target, Where to Measure</li> <li>• Shivering: Treatment Options</li> <li>• Potential Complications During Induction</li> </ul> <b>Clifton W. Callaway, MD</b>
2:20 p.m. – 2:30 p.m.	Question and Answer Session
2:30 p.m. -2:45 p.m.	BREAK
2:45 p.m. – 5:00 p.m.	<b>Workshops</b> <ul style="list-style-type: none"> <li>• Development of a TH Protocol – <b>Clifton W. Callaway, MD</b></li> <li>• Devices Demonstration – <b>Stephen Trzeciak, MD</b></li> <li>• Hypothermia Jeopardy – <b>Samuel M. Poloyac, PharmD, PhD</b></li> <li>• Simulation Man – <b>Samuel A. Tisherman, MD, FCCM</b></li> </ul>
5:00 p.m.	Day One Wrap-Up

[PRELIMINARY]

# Agenda

## FRIDAY, APRIL 23, 2010

7:00 a.m. – 8:00 a.m.	Registration and Continental Breakfast
8:00 a.m. – 12:00 p.m.	<b>How to Perform Therapeutic Hypothermia: Maintenance and Re-Warming</b>
8:00 a.m. – 8:40 a.m.	Important Factors to Consider During the Maintenance Phase of TH <ul style="list-style-type: none"><li>• How Long Patients Should Be Cooled</li><li>• Monitoring Patients Undergoing TH</li><li>• Potential Complications During Maintenance of TH</li></ul> <b>Mark E. Nunnally, MD</b>
8:40 a.m. – 9:20 a.m.	Pharmacological Considerations in the Patient Undergoing TH <b>Samuel M. Poloyac, PharmD, PhD</b>
9:20 a.m. – 10:00 a.m.	Re-Warming Patients After TH <b>Clifton W. Callaway, MD</b>
10:00 a.m. – 10:15 a.m.	Question and Answer Session
10:15 a.m. – 10:30 a.m.	BREAK
10:30 a.m. – 2:00 p.m.	<b>How to Perform Therapeutic Hypothermia: Additional Considerations</b>
10:30 a.m. – 11:10 a.m.	Neurological Prognostication in the Era of TH <b>Sergio L. Zanotti-Cavazzoni, MD, FCCM</b>
11:10 a.m. – 11:50 a.m.	Cool Kids Are Not Little Adults: Important Differences in Performing TH in Pediatric Patients <b>Seetha Shankaran, MD</b>
11:50 a.m. – 12:00 p.m.	Question and Answer Session
12:00 p.m. – 1:00 p.m.	LUNCH
1:00 p.m. – 2:45 p.m.	<b>Workshops</b> <ul style="list-style-type: none"><li>• Development of a TH Protocol – <b>Clifton W. Callaway, MD</b></li><li>• Devices Demonstration – <b>Stephen Trzeciak, MD</b></li><li>• Hypothermia Jeopardy – <b>Samuel M. Poloyac, PharmD, PhD</b></li><li>• Simulation Man – <b>Samuel A. Tisherman, MD, FCCM</b></li></ul>
2:45 p.m. – 3:00 p.m.	BREAK
3:00 p.m. – 5:00 p.m.	<b>Implementing Therapeutic Hypothermia in Your Clinical Practice</b>
3:00 p.m. – 3:30 p.m.	Development and Implementation of a TH Program in Your Institution: Physician Perspective <b>Clifton W. Callaway, MD</b>
3:30 p.m. – 4:00 p.m.	Development and Implementation of a TH Program in Your Institution: Nursing Perspective <b>Nicole L. Kupchik, RN, MN, CCRN-CMC</b>
4:00 p.m. – 4:30 p.m.	Post-Cardiac Arrest Care: Adjuncts to TH <b>Stephen Trzeciak, MD</b>
4:30 p.m. – 5:00 p.m.	New Horizons in TH <b>Samuel A. Tisherman, MD, FCCM</b>



# GENERAL Information

## Hotel Accommodations

### The Langham, Huntington Hotel and Spa

1401 South Oak Knoll Avenue  
Pasadena, California 91106 USA

**Telephone:** +1 626 568-3900

**Web Site:** [pasadena.langhamhotels.com](http://pasadena.langhamhotels.com)

**Discounted Rate:** \$179 Run-of-House Single/Double  
Occupancy (Rate does not include applicable taxes.)

**Discount Deadline:** April 2, 2010



Experience the timeless elegance of the landmark Huntington Hotel, a Pasadena legend since 1907. Now impeccably renewed as The Langham, Huntington Hotel and Spa you'll experience the timeless elegance of

yesterday, blended with the technological amenities of today. Set on 23 lush acres, The Langham is the only hotel in Pasadena rated AAA Five Diamond, and the closest such establishment to downtown Los Angeles.

Guest services include: award-winning dining facilities, featuring the only hotel-run restaurant in Los Angeles to receive the coveted Michelin Star, cocktail bar with outdoor

patio seating, elegant indoor lounge, serving the Langham's signature afternoon tea, 24-hour in-room dining service, and an outstanding on-site business center. The hotel also offers a luxury spa, voted one of the top 10 spas in America by *Travel + Leisure* readers; a fitness center, complete with a state-of-the-art training room/aerobics studio, cyber equipment, indoor whirlpool, dry sauna, and steam room; expansive outdoor, heated swimming pool and pool bar; three flood lit tennis courts; and an on-site beauty salon.

### Parking Rates

Valet Parking: \$25 overnight with unlimited in/out privileges

Self Parking: Not available

### Reservations

Visit [www.langhamhotels.com/SCCM](http://www.langhamhotels.com/SCCM) to reserve your hotel room online. Or, contact the hotel via telephone at +1 626 568-3900 and identify yourself as a participant in SCCM's Clinical Focus conference to receive SCCM's discounted rate. All rooms are based on availability. Every effort will be made to honor room preferences; however, requests cannot be guaranteed. **Reservations made after Tuesday, April 2, 2010, may not receive the discounted rate.** Reservations must be accompanied by a prepayment of the first night's room and tax or guaranteed with a major credit card. No-shows and cancellations received within 24 hours of arrival will be billed for one night's room and tax. Check-in time is 3:00 p.m. Checkout time is 12:00 p.m.

## Travel Information



### Discounted Airfare to Los Angeles

#### (Los Angeles International and Burbank Airports)

SCCM has arranged for discounted airfare with United Airlines for travel to the Clinical Focus conference in Pasadena, California, USA.

Take advantage of the following savings: earn a 2% to 10% discount on applicable fares, including first-class fares. By purchasing your ticket at least 30 days in advance of your scheduled travel, you will receive an additional 5% discount. This special offer applies to travel on domestic segments of all United Airlines, United Express, TED, and United code

share flights (UA\*) operated by US Airways, US Airways Express, Air Canada, and international segments on United and Lufthansa flights.

Make your reservations now while the lowest fares are still available. Call United Airlines toll-free at +1 800 521-4041 for domestic and international travel and mention meeting ID 500ZD to receive SCCM travel discounts. If booking your flight online at [www.united.com](http://www.united.com), enter 500ZD in the promotion field. Alternatively, you may contact SCCM's official travel agency, Travel Leaders, at +1 800 238-6903 or online at [www.TravelLeadersCorp.com](http://www.TravelLeadersCorp.com) for assistance with your travel needs.





**Headquarters**

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Mount Prospect, Illinois 60056 USA

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