



CHILLING AT THE BEACH

8th ANNUAL Therapeutic Hypothermia and Temperature Management: Current and Future Directions

COURSE DIRECTORS

W. Dalton Dietrich, PhD
Helen Bramlett, PhD

March 15-16, 2018



**Miami Marriott
Biscayne Bay**
Miami, FL

Registration and Information
www.cme.med.miami.edu



TOPICS TO BE COVERED

- Temperature Management in Neurological and Neurosurgical ICU
- Perspectives on Temperature Management
- Therapeutic Hypothermia in Post-Cardiac Arrest
- Targeted Temperature Management in Nursing Care
- Clinical Studies Targeting Stroke
- Cooling Strategies in Unique Areas
- Current Advances in the Use of Therapeutic Hypothermia
- **NEW THIS YEAR:** Temperature management and beyond – the role of ECMO in temperature management and resuscitation

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of MEDICINE**



OVERVIEW

The importance of temperature management and therapeutic hypothermia has been a subject of ongoing experimental and clinical investigations in different fields of patient care. While mild to moderate levels of hypothermia protect and promote functional outcome in experimental and clinical studies, mild levels of hyperthermia may worsen the outcome in some patient populations. Although there has been some success in translating positive results from the bench to the bedside, there is a need to continue to discuss with leading thought leaders when therapeutic hypothermia may be most appropriate to utilize in a patient population and under what conditions temperature management would be recommended.

The purpose of this meeting, **“Therapeutic Hypothermia and Temperature Management: Current and Future Directions,”** is to gather leading scientists and clinicians in the field of therapeutic hypothermia and temperature management. A series of lectures by authorities in this field as well as round table discussions will be organized around a two-day meeting, allowing attendees to discuss the various obstacles that are ahead as temperature is utilized as a treatment paradigm in clinical situations.

This year, a couple of leading edge topics have been added. Highlights include the ongoing debate of “Is 33°C and 36°C really the same with regards to neuroprotection?” and “What roles do ECMO and therapeutic hypothermia play in resuscitation?”

TARGET AUDIENCE

This course is directed towards physicians, researchers, nurses, technologists in the areas of acute care, myocardial infarction, cardiac arrest, ICU, stroke and trauma. It will also be of interest to surgeons and other physicians, residents, nurses and allied healthcare professionals.

OBJECTIVES

Upon completion of the course, participants should be able to:

- Assess the importance of therapeutic hypothermia in post cardiac arrest
- Analyze different approaches to individualize temperature management in patients with hematomas and ICP control in patients with diffuse brain injury
- Evaluate intravascular cooling techniques with minimal variation in body temperature
- Evaluate the effectiveness of intraoperative temperature management

CREDIT DESIGNATION

PHYSICIANS:

The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **14.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

NURSES:

This seminar has been planned and implemented in accordance with the Essential Areas and Policies of the Florida Board of Nursing for Continuing Education. Provider #50-2105.

Credit Designation: The University of Miami School of Nursing and Health Studies designates this seminar series for a maximum of **14.0** CEU credits.

ACCREDITATION

The University of Miami Leonard M. Miller School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

DISCLOSURE AND CONFLICT OF INTEREST RESOLUTION

All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and resolved prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

SERVICES FOR THE DISABLED

Please contact the Division of CME prior to **March 1, 2018** should you have any special needs that may require additional assistance. A conference staff member will contact you to discuss these special requirements.



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W. DALTON DIETRICH, PHD

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GUEST FACULTY

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Lund University
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London, Ontario, Canada

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National Taiwan University
Medical College & Hospital
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Department of Neurosurgery, Neurology
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Hempstead, NY

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Essex Cardiothoracic Centre
Anglia Ruskin University
United Kingdom

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University of Alabama at Birmingham,
Birmingham, Alabama

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Senior Vice President
Chief Medical Officer
The Greater Waterbury Health Network
Waterbury, CT

Patrick Lyden, MD

Chair, Department of Neurology
Cedars-Sinai Medical Center
Los Angeles, CA

Takahiro Nakashima

Department of Cardiovascular Medicine
National Cerebral and Cardiovascular
Centre
Suita, Japan

Graham Nichol, MD, MPH, FAHA

Director
University of Washington-Harborview
Center for Prehospital Emergency Care
Seattle, Washington

Marko Noc, MD, PhD

Center for Intensive Internal Medicine,
University Medical Center
Ljubljana, Slovenia

Jonathan Paul, MD

University of Chicago Medicine
Chicago, IL

Kees H. Polderman, MD, PhD

Department of Critical Care Medicine
University of Pittsburgh
Pittsburgh, PA

Shoji Yokobori, MD, PhD

Department of Emergency & Critical Care
Medicine
Nippon Medical School
Tokyo, Japan

Scott Youngquist, MD

University of Utah
Salt Lake City, UT



AGENDA

THURSDAY, MARCH 15, 2018

7:30-8:00 am Registration and Continental Breakfast

8:00-8:10 AM Welcome
W. Dalton Dietrich, PhD

SESSION 1: ICU AND POST-RESUSCITATION TEMPERATURE MANAGEMENT

TEMPERATURE MANAGEMENT IN NEUROLOGICAL
AND NEUROSURGICAL INTENSIVE CARE UNIT
MODERATOR: JUSTIN LUNDBYE, MD

8:10-8:35 am Impact of Fever Prevention in Brain
Injured Patients (INTREPID) Trial
David M. Greer, MD

8:35-9:00 am Using Hypothermia as a Therapy for
ARDS
Kees H. Polderman, MD, PhD

9:00-9:25 am Update on HOPES Trial
Shoji Yokobori, MD, PhD

9:25-9:55 am Panel Discussion

9:55-10:15 am Coffee Break

ECMO AND TEMPERATURE MANAGEMENT
IN POST RESUSCITATION
MODERATOR: HANS FRIBERG, MD

10:15-10:40 am Advance Resuscitation with ECMO
Scott Youngquist, MD

10:40-11:05 am ECMO and Hypothermia on
Resuscitation
Graham Nichol, MD, MPH, FAHA

11:05-11:30 am ECMO and Hypothermia Japanese
Trial Results
Takahiro Nakashima

11:30-12:00 pm Panel Discussion

12:00-1:15 pm Lunch

SESSION 2: COOLING STRATEGIES IN UNIQUE AREAS

UNIQUE USES OF COOLING STRATEGIES
MODERATOR: PATRICK LYDEN, MD

1:15-1:40 pm CHILL-SHOCK Trial
Jonathan Paul, MD

1:40-2:05 pm Treatment of Heat Stroke
Shoji Yokobori, MD, PhD

2:05-2:30 pm Warming in Multi Trauma and
Accidental Hypothermia
Joseph Cuschieri MD, FACS

2:30-3:00 pm Panel Discussion

3:00-3:20 pm Coffee Break

TARGETED TEMPERATURE MANAGEMENT (TTM)
IN NURSING CARE
MODERATOR: THOMAS KEEBLE, MD

3:20-3:45 pm Post TH Support Program for
Survivors
Michelle Gossip, RN

3:45-4:10 pm Evidence-based Care of the Patient
During TTM
Makayla Cordoza, MSN, RN, CCRN-K

4:10-4:35 pm 33 vs. 36
Michelle Deckard, CNS

4:35-5:05 pm Panel Discussion

5:05-7:00 pm Welcome Cocktail Reception



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FRIDAY, MARCH 16, 2018

7:30-8:00 am Registration and
Continental Breakfast

SESSION 3 : TEMPERATURE MANAGEMENT STRATEGIES

THERAPEUTIC HYPOTHERMIA IN POST CARDIAC ARREST

MODERATOR: KEES POLDERMAN, MD, PHD

8:00-8:25 am New Cardiac Arrest Study: 33 vs
Fever Control
Hans Friberg, MD

8:25-8:50 am TH in Post Resuscitation in Asia
Chien-Hua Huang, MD, PhD

8:50-9:15 am Effect of Targeted Temperature
Management on Drug Disposition
and Response Following Cardiac
Arrest: A Comprehensive Review of
Preclinical and Clinical Investigations
Philip E. Empey, PharmD, PhD

9:15-9:45 am Panel Discussion

9:45-10:05 am Coffee Break

PERSPECTIVES ON TEMPERATURE MANAGEMENT MODERATOR: GRAHAM NICHOL, MD, MPH, FAHA

10:05-10:30 am Debate session: Targeted
Temperature Management for Post
Cardiac Arrest: 33C, 36C, Fever
Control or no Cooling
Kees H. Polderman, MD, PhD
Hans Friberg, MD

10:30-10:55 am Coagulation After Cardiac Arrest
Michael Kurz, MD, MS-HES, FACEP

10:55-11:20 am New ANN Guideline and Practice
Gregory Kapinos, MD

11:20-11:50 am Panel Discussion

12:00-1:15 pm Lunch

SESSION 4: THE FUTURE OF TEMPERATURE MANAGEMENT

STUDIES TARGETING STROKE AND AMI MODERATOR: MICHAEL KURZ, MD

1:15-1:40 pm New in Stroke Studies
Patrick Lyden, MD

1:40-2:05 pm Therapeutic Hypothermia for Acute
Myocardial Infarction: Past, Current
and Future
Michael Dae, MD

2:05-2:30 pm Cool AMI EU Pilot Trial Result
Marko Noc, MD, PhD

2:30-3:00 pm Panel Discussion

3:00-3:20 pm Coffee Break

CURRENT ADVANCES IN THE USE OF THERAPEUTIC HYPOTHERMIA MODERATOR: MARKO NOC, MD, PHD

3:20-3:45 pm The Use of the Esophageal
Temperature Management Device
Ahmed Hegazy, MD

3:45-4:10 pm Why speed cooling is important?
Justin Lundbye, MD

4:10-4:35 pm Therapeutic Hypothermia and Early
Waking (THAW) Trial
Thomas Keeble, MD

4:35-5:05 pm Panel Discussion

5:05-5:30 pm Closing Remarks and Final
Questions

5:30 pm Conference Adjourns

HOTEL

MIAMI MARRIOTT BISCAYNE BAY

1633 North Bayshore Drive

Miami, FL 33132

Phones: 1-800-295-1421 or 1-305-374-3900

Book your group rate: 8th Annual Therapeutic Hypothermia and Temperature Management >>

SPECIAL CONFERENCE RATE:

A block of rooms has been reserved for conference participants at a discounted rate of US **\$249/night** + 13% tax/day for a one bedroom guest room. A Bayview room may be reserved for US **\$269/night** + 13% tax/day. The rate is guaranteed only until **February 13, 2018**. The hotel extends the group rate 3 days pre and post conferences dates based on availability. After **February 13, 2018**, reservation requests will be considered on a space-available basis.

RESERVATIONS:

By Phone: Call (800) 295-1421 and request the Therapeutic Hypothermia and Temperature Management conference group rate

Online Reservations: Visit <https://aws.passkey.com/go/d12931f7>

All reservations should be received by the hotel no later than **February 13, 2018**. All individual reservations must be accompanied by a first night room deposit or guaranteed with a major credit card. Hotel will not hold any reservations unless secured by one of the above methods.

LOCAL HIGHLIGHTS

- South Beach / Art Deco District
- Bayside Marketplace
- American Airlines Arena (Home of the Miami Heat)
- Port of Miami
- Coconut Grove
- Miami Seaquarium
- Sun Life Stadium (Home of the Miami Dolphins)
- Vizcaya Museum & Gardens
- Crandon Park Beach
- Jungle Island

TOP PICKS FROM THE MIAMI VISITOR'S GUIDE

- Color Me Mine
- Backhouse Art Complex
- Jewish Museum of Florida
- Miami Art Museum
- Wings Over Miami Air Museum
- Coral Castle
- Crandon Park Beach
- Fruit and Spice Park
- Historic Virginia Key Beach Park
- Venetian Pool

LOCAL TOUR SERVICES

- Everglades Tour by Airboat
Everglades
Miami Beach 411 Tours & Day Trips
1 305 754 2206
- Miami City Tour
Miami City Tour and more
Miami Tours
1 800 303 1503
- Miami Cultural Community and Eco Tours
Miami
Miami Cultural Community and Eco Tours
1-305-416-6868
- Miami Jet Tours Miami
Miami Jet Tours
1 305 681 2407
- Miami's Only Land & Sea Adventure
Miami, FL
Duck Tours Miami

MIAMI INTERNATIONAL AIRPORT - MIA

Visit MIA airport website
Airport Phone:
1 305 876 7000
Hotel direction: 7.5 mile(s) E



Miami Marriott
Biscayne Bay

DRIVING DIRECTIONS TO HOTEL:

Take I-95 S. to 395 E., take Biscayne Blvd exit and Turn left on Biscayne Blvd. Take a right turn on NE 15th St and go one block to N. Bayshore Dr. Turn left onto N. Bayshore Dr. and hotel is on the right side of street.

DIRECTIONS FROM MIAMI INTERNATIONAL AIRPORT:

Take 836 E. to 395 (Miami Beach) Exit. Exit to Biscayne Blvd, turn left. Turn right on NE 15th St. Go 1 block, turn left onto N. Bayshore. Hotel is on the right side of street on N. Bayshore Dr.

This hotel does not provide shuttle service.

- Alternate transportation: Premier Transportation
1-888-564-1077; fee: 15 USD (one way); reservation required
- Estimated taxi fare: 26 USD (one way)

FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT - FLL

Visit FLL airport website

Airport Phone:
1 954 359 6147
Hotel direction: 25 mile(s) S

DIRECTIONS FROM FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT:

Take I-95 S. to 395 E., take Biscayne Blvd exit and Turn left on Biscayne Blvd. Take a right turn on NE 15th St and go one block to N. Bayshore Dr. Turn left onto N. Bayshore Dr. and hotel is on the right side of street.

This hotel does not provide shuttle service.

- Alternate transportation: Premier transportation; reservation required
- Estimated taxi fare: 50 USD (one way)



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REGISTRATION FORM

To register, please visit www.cme.med.miami.edu or complete this form and mail or fax (with payment) to:
University of Miami Miller School of Medicine
Division of CME (D23-3)
P.O. Box 016960
Miami, FL 33101-6960
Telephone: 305-243-6716



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of MEDICINE

First Name _____ Last Name _____ Degree (MD, DO, PhD, ARNP, etc.) _____

Affiliation _____

Specialty: _____ Last 4 digits of SSN#: _____ (for CME recording / identification purposes only)

Mailing Address _____

City: _____ State _____ Zip/Postal Code _____

Daytime Telephone _____ Fax: _____ Email: (mandatory) _____

TUITION

	Before 2/15/18	As of 2/15/18	Onsite
☐ Physicians in Practice (indicate specialty)	\$490	\$540	\$590
☐ UM/JMH Physicians	\$390	\$440	\$490
☐ Nurses	\$390	\$440	\$490
☐ Allied Health Care Professionals	\$375	\$425	\$475
☐ UM/JMH Residents	\$15	\$65	\$115
☐ UM/JMH Fellows	\$15	\$65	\$115
☐ UM/JMH Medical/Graduate Students	\$15	\$65	\$115
☐ UM/JMH Nurse	\$250	\$300	\$350
☐ Scientists (indicate specialty)	\$490	\$540	\$590
☐ UM/JMH Scientists	\$390	\$440	\$490
☐ Industry Representatives	\$1,500	\$1,500	\$1,500

PAYMENT METHOD

Check: Please make check payable to UM/Division of CME (reference Account #PG005880)

Charge my registration fee in the amount of \$ _____ to my: ☐ Visa® ☐ MasterCard® ☐ American Express

Name on Card _____

Card Number _____ Expiration Date _____

How did you hear about this program?

☐ Brochure ☐ Email ☐ Colleague ☐ Flyer/Announcement ☐ Website ☐ Other _____

REGISTRATION CANCELLATION POLICY

Refunds will be made only if written notice of cancellation is received prior to **February 15, 2018**. A \$150 fee is charged for all refunds. After this date, no refunds will be made. In cases where a course is cancelled due to insufficient registrations, a full tuition refund will be made.

SERVICES FOR THE DISABLED

Please contact the Division of CME prior to **February 15, 2018** should you have any special needs that may require additional assistance. A conference staff member will contact you to discuss these special requirements.

FOR MORE INFORMATION, CONTACT

Division of Continuing Medical Education
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(305) 243-6716



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