



Breaking News!

Lead Author
Niklas Nielsen
to present final
results of the
TTM-2 Trial

August 26 – 27, 2021
Virtual Conference

**11th Annual Therapeutic
Hypothermia & Targeted
Temperature Management
Symposium**

Keck School of Medicine of **USC**

Presented by

**Zilkha Neurogenetic Institute and
USC Office of Continuing Medical Education**

PROGRAM AGENDA

Thursday, August 26, 2021

Moderator: Patrick D. Lyden, MD

- 7:30 am **Conference Log In Begins**
- 8:00 am **Opening and Welcome**
Patrick D. Lyden, MD
- Session I: Red vs. Blue: Arterial Versus Venous Versus Parenchymal Cooling-Therapeutic Hypothermia for Stroke**
- 8:15 am **RECCLAIM II Trial Update**
Rishi Gupta, MD, MBA
- 8:30 am **Good Hypothermia Treatment Can Benefit Patients**
Yingying Su, MD
- 8:45 am **Evidence and Opportunity of Hypothermia in Acute Ischemic Stroke—Systemic Versus Selective Hypothermia**
Yuchuan Ding, MD
- 9:00 am **Panel Discussion**
Moderator: Matthew Tenser, MD
- 9:30 am **Break**
- Session II: Red Versus Green: Therapeutic Hypothermia or Not for Cardiac Arrest**
- 9:45 am **Hypothermia Versus Normothermia After Out-of-Hospital Cardiac Arrest**
Niklas Nielsen, MD, PhD
- 10:05 am **TTM-2 Results—An Alternative View**
Romergrzyko G. Geocadin, MD
- 10:25 am **Beyond One-Size-Fits-All Temperature Therapies for Post-Cardiac Arrest Syndrome**
Romergrzyko G. Geocadin, MD
- 10:40 am **Selecting Treatment Based on Initial Illness Severity After Cardiac Arrest**
Clifton W. Callaway, MD, PhD
- 10:55 am **ICECAP Trial Update**
Robert Silbergleit, MD
- 11:10 am **ECPR is a Critical Link in the Chain of Survival for Refractory Cardiac Arrest**
Jason Bartos, MD, PhD
- 11:25 am **AHA Guidelines Updates**
Cindy H. Hsu, MD, PhD
- 11:40 am **Panel Discussion**
Moderator: David Hildebrandt, BSN, MBA
- 12:00 pm **Break**
- 12:10 pm **Introduction of Keynote Lecture**
W. Dalton Dietrich, PhD
- Keynote Lecture**
- 12:15 pm **The Use of Therapeutic Hypothermia and Targeted Temperature Management on the Inflammatory Response After CNS Injury, a Basic Science Perspective**
Helen M. Bramlett, PhD
- Session III: Don't Freak Out, Just Chill**
- 1:00 pm **Clinical Practice: Don't Freak Out, Just Chill**
David Hildebrandt, BSN, MBA
- 1:15 pm **Management of Hemodynamics and Coagulation During Therapeutic Cooling**
Kees H. Polderman, MD, PhD
- 1:30 pm **Flipping Dials: Owning the Ventilator in the Post-Arrest Patient**
Nicholas J. Johnson, MD
- 1:45 pm **Panel Discussion**
Moderator: Shahed Toossi, MD
- 2:15 pm **Break**
- Session IV: Temperature Management for COVID-19 and Other Severely Ill Patients**
- 2:30 pm **Body Temperature and Mortality in COVID-19**
Kiyotake Ishikawa, MD, PhD
- 2:45 pm **Therapeutic Hypothermia in ARDS**
Joseph Varon, MD
- 3:00 pm **CHILL-SHOCK: Results of the Cardiogenic Shock Intravascular Cooling Trial**
Jonathan Paul, MD
- 3:15 pm **TTM in COVID-19: Fever and Post-Arrest Management**
Benjamin S. Abella, MD, MPhil
- 3:30 pm **Panel Discussion**
Moderator: May Kim-Tenser, MD
- Session V: A Decade of Success – 10 Years Chilling at the Beach**
- 4:00 pm **A Decade of Success- 10 Years Chilling at the Beach**
W. Dalton Dietrich, PhD, Kees H. Polderman, MD, PhD, Graham Nichol, MD, MPH, Hans Friberg, MD, PhD, EDIC
- 4:15 pm **Adjourn**

PROGRAM AGENDA

Friday, August 27, 2021

Moderator: Patrick D. Lyden, MD

7:30 am **Conference Log In Begins**

8:00 am **Opening and Welcome**

Patrick D. Lyden, MD

Session VI: High-Quality TTM

8:15 am **High Quality TTM After Cardiac Arrest**

Fabio Silvio Taccone, MD, PhD

8:30 am **How Cool Are We? One Hospital's Experience with Intravascular Temperature Management System**

Jackeline Iseler, DNP, MSN, RN, ACNS-BC, CNE

8:45 am **Panel Discussion**

Moderator: Thomas Hemmen, MD, PhD

Session VII: Pharmacological Cooling

9:15 am **Inhibition of cAMP-Phosphodiesterase 4 (PDE4) Induces Hypothermia in Mice**

Wito Richter, PhD

9:30 am **Pharmacological Management of Shivering During Targeted Temperature Management**

Nishika Patel, Pharm.D.

9:45 am **Using Mice to Understand Adenosine Agonist-Induced Hypothermia**

Marc Reitman, MD, PhD

10:00 am **Panel Discussion**

Moderator: Graham Nichol, MD, MPH

10:30 am **Break**

Session VIII: Special Topics

11:00 am **Why We Should Treat Cardiac Arrest More Like ST-Elevation Myocardial Infarction**

Graham Nichol, MD, MPH

11:20 am **A Prospective Multi-Center Study Comparing the Complication Profile of Modest Systemic Hypothermia Versus Normothermia for Acute Cervical Spinal Cord Injury**

Allan D. Levi, MD, PhD

11:40 am **Balloon Occlusion of Aorta with Supersaturated Oxygen (Basso) in Refractory Cardiac Arrest**

Graham Nichol, MD, MPH

12:00 pm **Real-World Tactic to Enhance Therapeutic Hypothermia and Neuroprotection in the Setting of Critical Illness and Cardiogenic Shock**

Carlos L. Alviar, MD

12:20 pm **Panel Discussion**

Moderator: Robert Silbergleit, MD

12:40 pm **Closing Remarks**

Patrick D. Lyden, MD

12:45 pm **Adjourn**

COURSE DIRECTOR

Patrick D. Lyden, MD, FAAN, FAHA, FANA

Professor of Physiology and Neuroscience
Professor of Neurology
USC Zilkha Neurogenetic Institute,
Keck School of Medicine of USC
Los Angeles, CA

KEYNOTE SPEAKER

Helen M. Bramlett, PhD

University of Miami,
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Lund, Sweden

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Boca Raton, FL

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Houston, TX

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NIDDK, NIH
Bethesda, MD

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Xuan Wu Hospital
Capital Medicine University
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Université Libre de Bruxelles (ULB)
Brussels, Belgium

Joseph Varon, MD, FACP, FCCP, FCCM, FRSM

United Memorial Medical Center Premier
and United General Hospital
University of Houston, School of Medicine
Baylor College of Medicine
UAT, UDEM, UABC, UNE, USON, UPAEP
- Mexico
Caribbean Medical University
Houston, TX

COURSE DESCRIPTION

The purpose of this meeting, “Therapeutic Hypothermia and Temperature Management,” 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 interested in this topic to discuss the various obstacles that are ahead as temperature is utilized as a treatment paradigm in clinical situations. This will be the 11th time the meeting is held; it is known internationally as an opportunity to learn about therapeutic hypothermia across multiple disciplines: cardiology, neurology, emergency medicine, trauma, and pediatrics.

LEARNING OBJECTIVES

- 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.

TARGET AUDIENCE

This course is intended for physicians, researchers, nurses, technologists, and other allied health professionals in the following specialties: acute care, myocardial infarction, cardiac arrest, ICU, and organ transplantation.

ACCREDITATION STATEMENT

The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 11.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following may apply *AMA PRA Category 1 Credit(s)™* for license renewal: Registered Nurses may report up to 11.75 credit hour(s) toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number.

Physicians' Assistants: The National Commission on Certification of Physicians' Assistants states that *AMA PRA Category 1 Credits™* accredited courses are acceptable CME requirements for recertification.

REGISTRATION FORM

**11th Annual Therapeutic Hypothermia
& Targeted Temperature Management Symposium**

Virtual Conference - August 26-27, 2021



Tuition: Registration closes August 26, 2021 at 9:00 am PDT.

	<i>Early-Bird</i>	<i>After August 1</i>
<input type="checkbox"/> Physician	\$202.50	\$225
<input type="checkbox"/> NP/PA/RN/AH	\$157.50	\$175
<input type="checkbox"/> Fellow/Resident/Student	\$90	\$100

USC Employees

<input type="checkbox"/> Physician	\$100
<input type="checkbox"/> NP/PA/RN/AH	\$50
<input type="checkbox"/> Fellow/Resident/Student	\$100
<input type="checkbox"/> PhD	\$190

Cancellation: Registration cancellations must be received by the USC Office of CME by email only before August 20, 2021, 12:00 pm, PDT for a refund. In support of health care professionals' need for flexibility during COVID-19, cancellation fees are waived for a full refund. In the event of course cancellation by conference organizers, all registration fees will be fully refunded.

Location: Virtual Conference

Register: Mail: 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033

Must be postmarked by August 20, 2021.

Online: keckusc.cloud-cme.com/catb2021

Phone: (213) 220-5168 | Fax: 1 (888) 665-8650

Email: usccme@usc.edu

Registration available the morning of the conference only until 9:00 am PDT.

Please visit keckusc.cloud-cme.com/catb2021

Payment will be accepted by credit card only for registration on August 26, 2021.

(PRINT)

NAME _____
FIRST LAST

MEDICAL LICENSE NUMBER _____ DEGREE _____

TELEPHONE _____ FAX _____

EMAIL ADDRESS _____

ADDRESS _____
STREET

CITY _____ STATE _____ ZIP _____

SPECIALTY _____

METHOD OF PAYMENT:

Check (Payable to USC - Check must be postmarked by August 20, 2021)

Credit Card (Visa, Mastercard or American Express) • No cash payment accepted.

CREDIT CARD NUMBER _____

EXPIRATION DATE _____ SECURITY CODE _____

AUTHORIZED SIGNER _____

AMOUNT \$ _____



Keck School of Medicine of USC

Office of Continuing Medical Education

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Los Angeles, CA 90033

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