



Penn Medicine

Continuing Medical and
Interprofessional Education

VIRTUAL

POST-ARREST CARE AND TARGETED TEMPERATURE MANAGEMENT

A PRACTICAL TRAINING COURSE FOR HEALTH CARE PROVIDERS

CME/CE-ACCREDITED CONFERENCE

FRIDAY, MARCH 19, 2021

9:00 AM – 3:00 PM EST

This conference will be

LIVE STREAMED



<https://penmedonline.upenn.edu/ttmacademy/>

<https://upenn.cloud-cme.com/ttm2021>

PROGRAM OVERVIEW & TARGET AUDIENCE



The purpose of this educational activity is to educate relevant care providers on emergency care of cardiac arrest patients, most specifically to teach about post-arrest care, including the use of targeted temperature management, cardiac catheterization, internal cardiac defibrillator (ICD) consideration and advanced ICU care. In addition to scholarly presentations and discussions, a key goal is to help each attendee discover an integrated, multidisciplinary system of both cardiac arrest and post-cardiac arrest care, through practical experience with cardiac arrest scenarios and exploration of various protocols currently being used around the country. By the conclusion of the course, each attendee will have a firm grasp of developing and implementing a comprehensive in-hospital high quality post-arrest care resuscitation program.

This conference is designed to meet the educational needs of physicians, advance practice providers, physician assistants, nurses, residents, fellows and students specializing in or with interest in the evaluation and management of targeted temperature management.

LEARNING OBJECTIVES

Upon completion of this activity, participants should be able to:

- Review the history, evidence and pathophysiology surrounding the use of TTM in the post-arrest population
- Determine appropriate inclusion and exclusion criteria for post-arrest patients being considered for TTM
- Implement TTM as a therapy for post-cardiac arrest patients at their respective institutions
- Create a working post-resuscitation care and hypothermia protocol for their respective institutions
- Develop a “post-cardiac arrest bundle” of care for their organization
- Explain TTM in the context of a comprehensive resuscitation program to improve cardiac arrest survival, including the use of automatic external defibrillators, CPR quality improvement, and debriefing arrest events

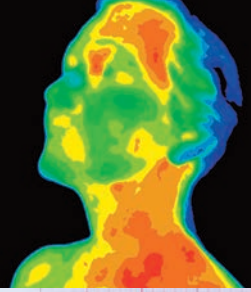
HOSTING DEPARTMENT

Post-arrest Care and Targeted Temperature Management – A Practical Training Course for Health Care Providers is hosted by the Department of Emergency Medicine at the University of Pennsylvania.

MARCH 19, 2021

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ACCREDITATION



JOINTLY ACCREDITED PROVIDER*
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

DESIGNATION OF CREDIT

Physicians: Penn Medicine designates this live activity for a maximum of 5.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: This program provides 5.25 contact hours.

Physician Assistants: AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 5.25 Category 1 credits for completing this activity.

Certificates and Transcripts: After the conference has concluded, all participants will receive a follow-up email with instructions and a link with instructions on how to claim their credit. Once participants submit the request for credit, the earned credits will be available for viewing on your transcript or available for printing at <https://upenn.cloud-cme.com>. Please note that the individual certificate will not be mailed.

CONFERENCE FORMAT

The *Post-arrest Care and Targeted Temperature Management – A Practical Training Course for Health Care Providers* will be held virtually on Friday, March 19, 2021 by live stream only. The virtual presentation will follow the scheduled agenda in real time. Please Note: You must be signed into the live, virtual stream in real time (EST) in order to receive credit.

REGISTRATION FEES

The registration fees for *Post-arrest Care and Targeted Temperature Management – A Practical Training Course for Health Care Providers* are \$95 for physicians and industry employees; \$65 for advance practice providers, physician assistants, nurses, residents, fellows and students.

The registration fee includes live stream access to the conference and access to view the presentations (slides) online. All pre-registered attendees will receive a link and instructions to sign-in and join the virtual conference no later than Wednesday, March 17, 2021.

BE SURE TO CHECK YOUR SPAM BOX FOR EMAILS REGARDING THIS CONFERENCE.

Please register online at <https://upenn.cloud-cme.com/TTM2021>. See the registration form for mailing information if you must register through the mail. Please note: mailed registrations can take up to 7-21 business days before they are received. We are experiencing longer delays receiving mail due to the COVID-19 pandemic. We encourage all attendees to register online. All registrations will be confirmed by email as long as your registration is received no later than Wednesday, March 17, 2021.



CANCELLATION AND REFUND POLICY

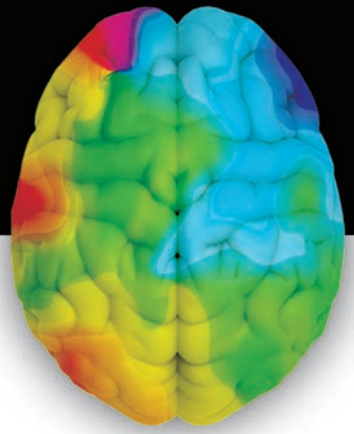
Refund Policy: In order to process refunds for course withdrawals, cancellations must be received in writing by March 5, 2021 (subject to a service charge of \$15.00). No refunds will be issued thereafter.

Cancellation Policy: 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 registration fees, but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.

DISCLOSURES

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

FACULTY



With the exception of the guest faculty, the Course Directors & Faculty hold academic and/or clinical appointments from the Perelman School of Medicine at the University of Pennsylvania and Penn Medicine, Philadelphia, PA

CONFERENCE DIRECTOR

Benjamin S. Abella, MD, MPhil

Professor, Emergency Medicine

Attending Physician, Emergency Medicine

Associate Scholar, Center for Clinical Epidemiology and Biostatistics

Vice Chair of Research, Department of Emergency Medicine

Director, Center for Resuscitation Science

Medical Director, Penn Acute Research Collaboration (PARC)

GUEST SPEAKER

Joseph Tonna, MD, MS, FCCM, FACEP, FAAEM

Assistant Professor of Cardiothoracic Surgery and Emergency Medicine

Medical Director, Cardiovascular ICU/Cardiothoracic Critical Care

Associate Director of Extracorporeal Membrane Oxygenation (ECMO) Services

Section Head of Cardiothoracic Critical Care

University of Utah

Salt Lake City, UT

SPEAKERS

Ramani Balu, MD, PhD

Assistant Professor of Neurology

Attending Physician, Neuro ICU

Julie Jablonski, DNP, RN, CCRN, CCNS*

Critical Care Nurse Systems Strategist

University of Pennsylvania

Daniel M. Kolansky, MD

Professor of Medicine

Associate Chief of Clinical Affairs, Cardiovascular Medicine

Director, Cardiac Care Unit

DISCUSSION GROUP FACULTY

Megan F. Burke, MD

Fellow in Cardiovascular Medicine

Oscar Mitchell, MD

Fellow in Pulmonary and Critical Care Medicine

Felipe Teran-Merino, MD

Instructor A of Emergency Medicine

PATIENT SURVIVOR

Samantha Fernandez Hernandez, MD

Neurology Resident

Baylor College of Medicine

Houston, TX

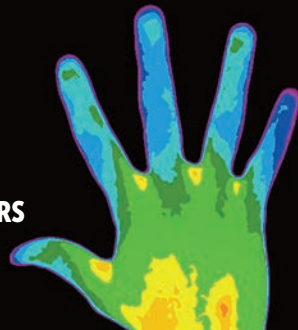
**Nurse Planner*

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AGENDA



FRIDAY, MARCH 19, 2021

8:45 AM – 9:00 AM	Sign into Virtual Platform
9:00 AM – 9:15 AM	Welcome <i>Benjamin Abella, MD, MPhil</i>
9:15 AM – 9:50 AM	Clinical Trials in Post-arrest Care and TTM <i>Benjamin Abella, MD, MPhil</i>
9:50 AM – 10:05 AM	Cardiac Arrest Survivor <i>Samantha Hernandez, MD</i>
10:05 AM – 10:40 AM	TTM and Neurologic Management <i>Ramani Balu, MD, PhD</i>
10:40 AM – 11:15 AM	TTM and Cardiovascular Management <i>Daniel M. Kolansky, MD</i>
11:15 AM – 11:30 AM	Break
11:30 AM – 12:05 PM	Developing a Protocol and Supporting TTM Champions <i>Julie Jablonski, DNP, RN, CCRN, CCNS</i>
12:05 PM – 12:45 PM	Post-arrest Care for COVID-19 Patients <i>Benjamin Abella, MD, MPhil</i>
12:45 PM – 1:15 PM	Lunch Break
1:15 PM – 1:45 PM	Guest Lecture: ECMO for Cardiac Arrest and Post-arrest Care <i>Joseph Tonna, MD, MS, FCCM, FACEP, FAAEM</i>
1:45 PM – 3:15 PM	Group Discussion in Virtual Breakouts DISCUSSION GROUP 1 Neurologic Prognostication and Withdrawal of Care DISCUSSION GROUP 2 Solving Local Implementation Challenges DISCUSSION GROUP 3 Case Discussion A DISCUSSION GROUP 4 Case Discussion B
3:15 PM	Adjourn

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.

Registration Form

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Friday, March 19, 2021

We strongly encourage you to register for this conference online by check or credit card at
<https://upenn.cloud-cme.com/TTM2021>

Questions? Contact us at:

penncme@penmedicine.upenn.edu • Phone: 215-898-6400 or 215-898-8005

Please note we are unable to accept faxed registration forms.

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)

- Practicing Physicians and Industry – \$95
- Advance practice providers, physician assistants, nurses, residents, fellows and students – \$65

PAYMENT METHOD

- If you are paying by check or credit card, please register online at
<https://upenn.cloud-cme.com/ttm2021>
- If you are paying by check, you may mail your completed registration form and check made payable to **The Trustees of the University of Pennsylvania/CME** to:
Conference Manager, Office of Continuing Medical & Interprofessional Education
Perelman School of Medicine/CME
JMEC, SPE, 6th Floor, University of Pennsylvania
3400 Civic Center Blvd, Building 421, Philadelphia, PA 19104-5162
- Do not include any credit card information on the registration form or share via email.