



6th International Hypothermia and Temperature Management Symposium **September 12-14, 2016**

Learning Objectives

At the conclusion of this CME activity, participants will be able to:

1. Basics (Nuts and bolts)

- Identify the physiology of thermoregulation, thermal tolerance, and predict the metabolic impact of TTM
- Review the basic pathophysiology of the pyrexia response after brain injury
- Determine the role of pharmacological and non-pharmacological support for shivering during TTM
- Recognize basic pharmacodynamic and pharmacokinetic concepts of drug administration during TTM

2. Neurological and non-neurological Injury

- Develop an understanding of the role of TTM in critical neurological and non-neurological illnesses in light of translational concepts, and data from observational studies and recent clinical trials. Topics will include: stroke, cardiac arrest, TBI, trauma, spontaneous hypothermia, fever and hyperpyrexia, pediatric cardiac arrest, ARDS, and others
- Review and highlight recommendations of TTM after neurological and non-neurological injury based on guidelines
- Appraise the current evidence supporting TTM indications after stroke, traumatic brain injury, cardiac arrest, and other disease states

3. Implementation

- Develop potential approaches for bedside TTM implementation in the neuron population: cooling devices, temperature measurement, depth and dose
- Review expert opinions about approaches for the implementation of TTM protocols
- Identify and evaluate potential challenges for the implementation of TTM protocols
- Develop strategies to surmount potential barriers for the implementation and delivery of TTM
- Review different approaches of TTM implementation from different parts of the world

Participants will assess their individual practice in light of the information and discussions during the course, and identify specific strategies to implement as part of a continuing improvement process for their practices.