Esophageal Cooling Device

Publications

October 2016

Published Pre-Clinical Data

Proof of Concept, Computer Simulation, and Large Animal Study [1, 2]


Performance and Safety in both Cooling and Warming [3, 4]


Published Clinical Data

• Therapeutic Hypothermia Followed by Rewarming After Cardiac Arrest [5-7]


• Cooling for Fever Control and Post-Anoxic Injury [8-10]


• Cooling for Intracranial Pressure Reduction in Severe Meningitis [11, 12]

• Warming for Prevention of Perioperative Hypothermia and Maintenance of Normothermia in Burn Patients [13]

Recent Reviews or References of the ECD [14-17]

Publications in Press, and Abstracts Recently or Soon to Be Presented

• Temperature Management in Critical Care and Burn Patients using an Esophageal Heat Transfer Device (data from LUHSC, University of Maribor, and Welsh Centre for Burns, Swansea University) presented at the 2016 Military Health System Research Symposium August 15-18, 2016.
• Targeted Temperature Maintenance using an Esophageal Heat Transfer Device (data from LUHSC, University of Maribor, and Welsh Centre for Burns, Swansea University) accepted to be published in Therapeutic Hypothermia and Temperature Management Journal, and presented at the 6th International Hypothermia & Temperature Management Symposium, Philadelphia, PA, on September 12, 2016.
Prospective study of the ECD for Targeted Temperature Management (data from the University of Maryland), presented at the 6th International Hypothermia & Temperature Management Symposium, Philadelphia, PA, on September 12, 2016.

Prospective study of the ECD for Targeted Temperature Management (data from the University of Maryland), presented at the 14th Annual Neurocritical Care Society Meeting, National Harbor, MD, September 15-18, 2016.

Temperature Management and Fever Avoidance in Critical Care Patients using an Esophageal Heat Transfer Device (data from LUHSC and University of Maribor,) to be presented at the 14th Annual Neurocritical Care Society Meeting, National Harbor, MD, September 15-18, 2016.

Prospective study of the ECD as sole modality in temperature management – (data from LUHSC, London, Ontario), accepted for publication in Heart and Lung.

Ongoing Clinical Trials in Progress

- Temperature Control With an Esophageal Cooling Device in Post Cardiac Arrest Patients (E-Chill) - NCT02387775
- Evaluating Heat Transfer With the Esophageal Cooling Device - NCT02743884
- Prospective, Interventional Study Evaluating the Feasibility and Safety of the Esophageal Cooling Device in Traumatic Brain Injury - NCT02420639
- Esophageal Temperature Management After Cardiac Arrest (THE-COOL) - NCT02327871

References


