



Cool News™

The Hottest Technology Around

ALSIUS
A NEW DEGREE OF CARE

Volume VI
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Maintaining patient temperature has never been this easy!

Keeping patients warm during surgery has been shown to reduce complications, facilitate earlier extubation, and shorten hospital stays. The Alsius system's revolutionary design allows instantaneous access to system controls and displays so that temperature control therapy can be initiated at a moment's notice. With the Alsius system and central venous heat exchange catheter, you will have the ability to control body temperature at a precisely controlled rate. This advanced system allows you to program both the patient target temperature and the rate at which the temperature is achieved. The system can be used to cool, rewarm, and control fever and it will react to patient temperature change as small as .01°C. Unlike the old-fashioned external methods of temperature control, the Alsius system enables you to regulate core body temperature with precision and simplicity.

"The [Alsius] system is easy to use and provides effective warming during cardiac surgery, especially OPCAB."

-Gary S. Allen, MD

Medical Director of the Heart Institute, Osceola Regional Medical Center, FL

Using an Intravascular Cooling Device To Reverse Refractory Burn-Associated Hypothermia

Hypothermia is a very common complication in burn surgery patients. Unfortunately, there are few therapeutic options for burn-associated hypothermia. Extensive surface burns limit the use of traditional warming techniques.

Dr. Koukoulitisios from General Hospital of Athens, Greece used an Alsius Intravascular Catheter, which originally was designed to lower body temperature for fever control or in hypothermia procedures, to warm a 28 year old who suffered a full-thickness skin burn involving 45% of his body surface area. This patient's core body temperature was 30.8°C, despite the use of traditional warming methods such as heated IV fluid, convective air blanket, and increased ambient room temperature. The patient became hemodynamically unstable: hypotensive, bradycardia alternating with flairs of atrial fibrillation, and low blood pressure and urine output.

An Alsius Intravascular Catheter was then used to rewarm the patient's core temperature. The patient was rewarmed at about 1°C per hour to 36.5°C. With normothermia, the patient's cardiac rhythm, urine output, and blood pressure returned to normal.

Core rewarming with an intravascular catheter has been shown to benefit surgical burn patients.

*This abstract was presented at the 19th ESICM Annual Congress-Barcelona, Spain (Sept. 25, 2006) and was published in Intensive Care Medicine, Vol 32, sup.13/Sept. 2006:S29

Free CME/CE Credit

Live Web & Teleconference Event

April 4, 2007

Therapeutic Hypothermia - Practical Approaches for Cardiac & Neurocritical Care

Register Online <http://www.cme-today.com/register/codeY2GQY>

Session will be recorded and made available for on-demand review until April 4, 2008

Surgical Application at the STS Meeting

The Alsius Thermogard™ system was recently launched at the 2007 Tech-Con and the Society of Thoracic Surgeons (STS) Annual Meetings that were held in San Diego, CA from January 27-30th. This product was introduced specifically for temperature management for surgical applications. This is the largest annual meeting attended by U.S. and international cardiothoracic surgeons of any national or international cardiothoracic surgical society. This was Alsius' first year attending this meeting and the new application for surgery created a lot of interest and was well received by the nurses and physicians.

If you would like a brochure, call your local representative, E-mail info@alsius.com, or call toll free 1-877-2-ALSIUS.



Where to See Alsius

April 2-4

**2007 Critical Care Transport Medicine Conference
San Antonio, TX**

April 2-5

**Standards of Critical Care
Orlando, FL**

April 10

**Setting the Pace 2007
Atlanta, GA**

April 12

**The Tracks of Trauma
Tampa, FL**

April 12

**Annual Michigan Trauma Symposium
Kalamazoo, MI**

April 15-18

**Emergency Medicine Without Borders
Vancouver, B.C.**

April 25-27

**ISHCLT Annual Meeting & Scientific Sessions
San Francisco, CA**

April 26

**2007 Trends in Trauma
St. Louis, MO**

April 26-29

**8th Annual Southeastern Seaboard Emergency
Nursing Symposium (SESS)
Virginia Beach, VA**

April 30 - May 3

**AAN 59th Annual Meeting
Boston, MA**

May 2-3

**Advanced Cardiac Techniques in Surgery
New York, NY**

May 6-8

**American Association for Thoracic Surgery Annual
Meeting
Washington, D.C.**

May 14

**3rd Annual UPMC Presbyterian Emergency Nursing
Symposium
Pittsburgh, PA**

May 23-25

**4th NY Neuro Emergencies & Neurocritical Care
New York, NY**

Please visit www.alsius.com or contact us at 1-877-2ALSIUS (877-225-7487)