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ALSIUS
A NEW DEGREE OF CARE

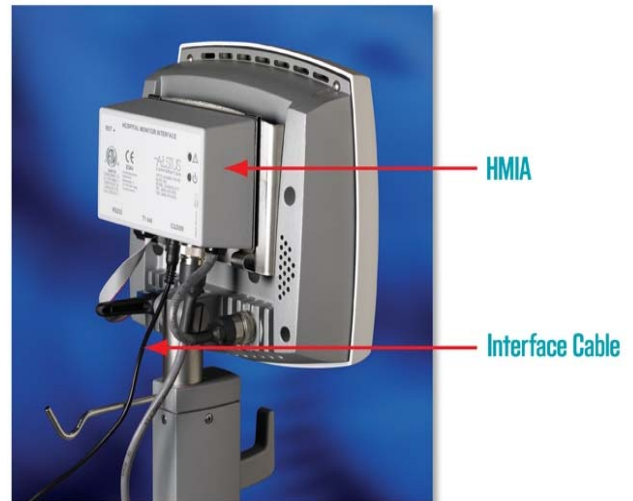
Volume VIII
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Extra! Extra! Read all about it!

Alsius is now a publicly traded company on **NASDAQ** under the symbol **ALUS**.

New From Alsius: The Hospital Monitor Interface Accessory

The Hospital Monitor Interface Accessory (HMIA) allows you to simultaneously display patient temperature on the bedside monitor and the ALSIUS CoolGard 3000® or Thermogard™ system, using only one patient temperature probe. It is compatible with most patient monitoring systems. Once the cable is plugged in, you will have instant real-time access to all relevant patient temperature data from whichever monitor is most convenient to you. The temperature has the capability to be displayed at the central station monitors. If the patient monitoring system is networked to electronic patient records, the temperature is transmitted there as well.



To learn more about this product, contact your local Alsius representative or visit us online at www.alsius.com.

Abstract from the article based on a study done at Ullevål University Hospital, Oslo, Norway **Implementation of a standardized treatment protocol for post resuscitation care after out-of-hospital cardiac arrest**

Kjetil Sunde, Morten Pytte, Dag Jacobsen, Arild Mangschau, Lars Petter Jensen, Christian Smedsrud, Tomas Draegni, Petter Andreas Steen

Background: Mortality among patients admitted to hospital after out-of-hospital cardiac arrest (OHCA) is high. Based on recent scientific evidence with a main goal of improving survival, we introduced and implemented a standardized post resuscitation protocol focusing on vital organ function including therapeutic hypothermia, percutaneous coronary intervention (PCI), control haemodynamics, blood glucose, ventilation and seizures.

Methods: All patients with OHCA of cardiac aetiology admitted to the ICU from September 2003 to May 2005 (intervention period) were included in a prospective, observational study and compared to controls from February 1996 to February 1998.

Results: In the control period 15/58 (26%) survived to hospital discharge with a favorable neurological outcome versus 34 of 61 (56%) in the intervention period (OR 3.61, CI 1.66-7.84, $p=0.001$). All survivors with favorable neurological outcome in both groups were still alive 1 year after discharge. Two patients from the control period were revascularized with thrombolytics versus 30 (49%) receiving PCI treatment in the intervention period (47 patients (77%) underwent cardiac angiography). Therapeutic hypothermia was not used in the control period, but 40 of 52 (77%) comatose patients received this treatment in the intervention period.

Conclusions: Discharge rate from hospital, neurological outcome and 1-year survival improved after standardization of post resuscitation care. Based on a multivariate logistic analysis, hospital treatment in the intervention period was the most important independent predictor of survival.

Resuscitation (2007) 73, 29—39

For a full copy of this article, email info@alsius.com or call 1-877-2ALSIUS (877-225-7487).

FAQ: What to watch for while inducing hypothermia

Starting from this issue, we will publish a series of, 'What to watch for,' during therapeutic hypothermia, fever control, and therapeutic rewarming.

1. Hypovolemia:
Cooling causes diuresis, more pronounced in TBI and SAH when Mannitol is used.
Monitor urine output and replace fluids as needed.
2. Hypokalemia:
Cooling causes intracellular shift of serum potassium. Administer potassium as needed.
3. Hyperglycemia:
Cooling decreases insulin sensitivity and secretion. Administer insulin to maintain blood glucose at normal level.
4. Shivering :
Shivering increases the metabolic demands of the brain and decreases rate of cooling.
Avoid shivering by sedating and chemical paralyzing patient prior to cooling.



Come see Alsius this summer!!

July 26-27

**Waves of Wisdom
Lake Buena Vista, FL**

July 22-26

**13th Annual International Symposium
Intracranial Pressure (ICP) and Brain
Monitoring
San Francisco, CA**

August 11

**LIFESTAR/Emergency & Trauma Services
Symposium
Knoxville, TN**

August 17

**22nd Annual Emergency Nursing Symposium
Dallas, TX**

August 24-25

**2007 Trauma and Critical Care Symposium
Colorado Springs, Colorado**

August 25-26

**Critical Care Collaborative
Albuquerque, NM**

August 25-26

**TN Neurosurgical Society Annual Meeting
Nashville, TN**

Summary of NTI & Critical Care Exposition 2007 with AACN in Atlanta, GA

On May 22-25th, Alsius was in Atlanta, Georgia for the NTI & Critical Care Exposition, which is one of the largest critical care tradeshows in the U.S. Alsius had 8 exhibit CE sessions covering from the concepts of intravascular cooling, fever management, and therapeutic cardiac arrest to rewarming in trauma/burn patients at our booth. Over 200 people attended the CE presentations. Alsius will be at next year's NTI/AACN meeting and would love to see you there!

Thank you to those of you who joined us for a night of magic with Paul Gertner at the Omni Hotel. Over 500 people enjoyed the magic, dancing, cocktails, and food. We look forward to seeing you again next year!

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