

## ALSIUS "The Coolest Technology" Around



ALSIUS (Latin translation for "Cool") is the worldwide leader in intravascular thermal regulation technology. The lack of a simple and effective method of controlling core patient temperature was the impetus for the development of ALSIUS' proprietary temperature control therapies for critically ill and surgical patients.

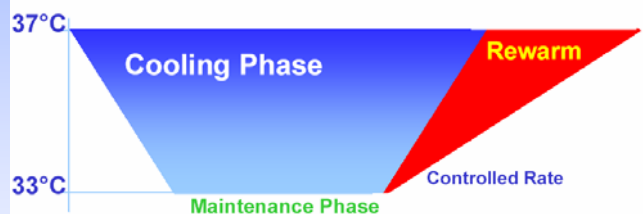
"Neuroprotection afforded by hypothermia, or even by maintaining normothermia, is crucial in preserving cerebral function in patients with brain injury. The Cool-Gard® catheter is a rapid, effective means of both lowering and maintaining optimal cranial temperature in both post-operative and medically managed patients with cerebral insult."

- Marie Lasater RN, MSN, CCRN  
Barnes Jewish Hospital

### Unique Technology

- Ability to program the target temperature (range 37°C—32°C)
- Automatic tight temperature maintenance and control
- Triple lumen for delivery for medication, blood draw and measure CVP
- Controlled rewarm after cooling

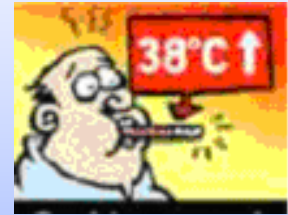
### Therapeutic Hypothermia Procedure: 3 Phases



Therapeutic Hypothermia:  
Old Therapy... New Application

Please visit [www.alsius.com](http://www.alsius.com) or contact us at 1-877-2ALSIUS (877-225-7487)

## Topic of the month – Fever



**Fever is the body's reaction to either infection or ischemia or blood in the brain.**

### Facts about fever and neuronal injury

- Fever after brain injury worsens the degree of injury
- Fever is associated with increased mortality and worsened neurological outcome
- Fever exacerbates ICP and oxygen consumptions
- Fever is a major contributor to excessive length of stay in Neuro ICU

### Temperature Conversion

$$F = C \times 9/5 + 32$$

Celsius (°C)	Fahrenheit (°F)
40	104
39	102.2
38	100.4



### Five FAQs about Alsious Products

1. Do the Alsious cooling catheters infuse additional fluid into the patient?
2. Can the Alsious cooling catheters also function as central venous catheters?
3. Are the Alsious cooling catheters MRI compatible?
4. Are the Alsious cooling catheters Latex free?
5. Do the Alsious cooling catheters cause less shivering than surface cooling in patients?

### Hint of the Month

Do you know that the Brain Temperature can be 2°C higher than the Core temperature?

### Answers to FAQs

1. No, 2. Yes, 3. Yes, 4. Yes, 5. Yes



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