

**Frequently Asked Questions (FAQS)  
Eurotherm3235 Trial  
June 2010**

***Q. What is our definition for Primary closed Traumatic brain injury. What patients would this exclude?***

A. Penetrating head injury, i.e. gunshot, screwdriver, spear.

***Q. Core temperature – what is the definition?***

A. Bladder, oesophageal, PA Catheter, Rectum

***Q. What do we mean by Post resuscitation GCS?***

A. Best GCS after resuscitation, prior to intubation.

***Q. What time point for pupillary response?***

A. First recorded after admission. E.g. in Accident and Emergency

***Q. CT scan Marshall Category definition***

A: PDF of paper available.

Marshall L., *et al.* A new classification of head injury based on computerised tomography. Journal of Neurosurgery 75: S14-S20 (1991)

***Q. Diagnosis: isolated TBI? Yes/ no – What is the definition?***

A: isolated TBI, no other significant injuries

**Q. Can patients with neurosurgery since hospital admission be included in the trial?**

A: Any post neurosurgery TBI patient with ICP monitoring and meets Inclusion/exclusion criteria can be included

**Q. Do we include patients with multi trauma?**

A. Clinician decision based on haemodynamic stability

**Q. A frequently asked question is “When do I randomise my patient?”**

A. If your patient meets the inclusion and exclusion (I&E) criteria, please randomise as early as possible after the first increase in ICP >20mmHg despite first line, or so called simple measures. We are not only looking for patients who are refractory to mannitol or hypertonic saline and in many instances in the EURO THERM trial, hypothermia will replace repeated doses of these hypertonic agents.

**Q. What if the patient is thought to have a “minor or mild” brain injury?**

A. If the CT scan is abnormal and other I & E criteria are met, the patient can be randomised.

We would expect that the treatment temperature would be closer to 35oC than 32oC and duration of cooling 48 hours plus re-warming only.

**Q. I am not sure if more than one dose of hypertonic will be needed. Can I still randomise to EURO THERM?**

A. Yes. It is often difficult to predict who will develop more severe brain swelling. If I&E are met please randomise.