

Stage 1 for all comatose brain-injured patients

Sedation (intravenous)
Mechanical ventilation to
 ensure normocapnia
 prevent hypoxemia
Body temperature control (36-37°C)
Normoglycemia

Intracranial hypertension

**Not treated with Continuous Hyperosmolar Therapy
Stage 2**

Boluses of hyperosmolar therapy Mannitol
 0.25 to 1 mg/kg of body weight
Or hypertonic saline solution, 250 mOsm dose
 (blood osmolality < 320 mmol/L)

**Treated with Continuous
Hyperosmolar Therapy
Stage 2**

CHT with NaCl20% (1-hr bolus followed
 by a continuous infusion)
+/- Boluses of hyperosmolar therapy
 (blood osmolality < 340 mmol/L)

Continued Stages 1 and 2 as required

Stage 3 options for the treatment of refractory ICH (if required)

Barbiturate therapy
Therapeutic hypothermia (32-35°C)
Moderate hypocapnia (32-36 mmHg)
Decompressive Craniectomy