

Stage 1 for all comatose brain-injured patients

Sedation (intravenous)
Mechanical ventilation to
 ensure normocapnia
 prevent hypoxemia
Body temperature control (36-37°C)
Normoglycemia (measured every 4-6 hours)
Normonatremia (measured every 8-12 hours)

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