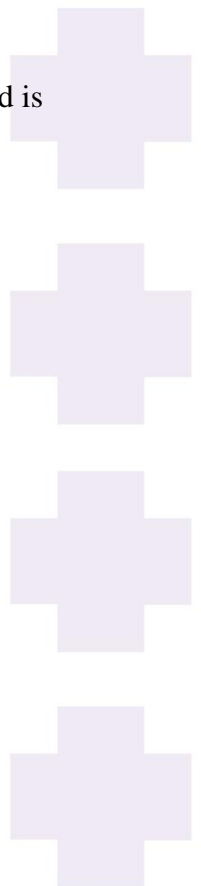


Chapter 5 - Traumatic Brain Injury Test Questions

1. A trauma patient presents s/p assault to the head with LOC. Patient is mumbling and incoherent, eyes open to painful stimuli and withdraws to pain. What is the next step for this patient?
 - a. Call a Neurosurgical consult
 - b. Given one amp of IV dextrose
 - c. Prepare for intubation
 - d. Give valium 5mg IV
2. How do you assess that the above ventilation rate is in a safe range for a TBI patient and is not causing secondary injury?
 - a. Capnometer
 - b. Capnography
 - c. Pulse Oximetry
 - d. Serial ABG's
3. Hyperventilation in severe TBI patients causes:
 - a. Increase in delivery of oxygen to damaged brain tissue
 - b. Manages metabolic acidosis thus assisting with oxygen delivery
 - c. Cerebral vasodilation and increases cerebral perfusion
 - d. Cerebral vasoconstriction and reduced cerebral perfusion
4. The recommended range for PCO₂ in a patient with a severe traumatic brain injury is:
 - a. 10-15mmHg
 - b. 30-40 mmHg
 - c. 25-35mmHg
 - d. 35-45mmHg
5. During transport of a traumatic brain injured patient who is intubated and on a ventilator, the pulse oximeter shows 97% and the ETCO₂ shows 26. You would:
 - a. Reduce the ventilator rate slightly until I reach my goal
 - b. Leave things alone – everything is o.k.
 - c. Increase the ventilator rate slightly until I reach my goal
 - d. Reduce the tidal volume slightly until I reach my goal



6. A patient presents s/p fall with a head injury. On arrival his eyes open to painful stimuli, he is confused and withdraws to pain. What is the GCS for the patient?
- a. 7
 - b. 9
 - c. 10
 - d. 11
7. The severity of head injury for this patient would be classified as
- a. Severe
 - b. Moderate
 - c. Mild
 - d. Concussion
8. Normal ICP ranges are
- a. 1-20mmHg
 - b. 0-5mmHg
 - c. 25-35mmHg
 - d. 0-15mmHg
9. The Monroe Kellie doctrine describes
- a. Cerebral perfusion
 - b. Pressure volume relationship within the intracranial cavity
 - c. Physiological electrical function of the brain cells
 - d. Classification of injury
10. The most prevalent traumatic brain injury is
- a. Minimal
 - b. Mild
 - c. Moderate
 - d. Severe