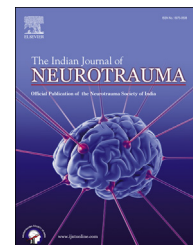




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Neurotrauma – Quiz[☆]

- Bonnaire's tubercle is located on
 - Iliac articular surface of sacroiliac joint
 - Sacral articular surface of sacroiliac joint
 - Lateral rim of the sacrum
 - Ventral rim of the iliac bone
- Which of the following is a function of the sympathetic nervous system?
 - Increased heart rate
 - Sexual functioning
 - Constriction of the pupils
 - Digestion
- Anterior cord syndrome is caused by which of the following mechanisms?
 - Contusion of the anterior cord caused by blunt trauma
 - Laceration of the anterior cord caused by bone fragments
 - Disruption of arterial blood supply to the anterior cord
 - Tearing of the anterior cord due to hyperextension mechanisms
- All answers are true about TBI (traumatic brain injury) except
 - CPP (cerebral perfusion pressure) = MAP–ICP
 - In normal condition, autoregulation of CBF is functional with MAP between 50 and 150 mm Hg
 - In normal patient, ICP is more than 15 mm Hg
 - Rapid rises in the ICP that cause compression of the brain can lead Cushing reflex
- Which of the following medications is NOT warranted in the prehospital management of patients with spinal cord injuries?
 - Atropine
 - Methylprednisolone
 - Dopamine
 - Diazepam
- Which of the answer is true about classic triad of *Cushing reflex*
 - Hypotension, bradycardia respiratory irregularity
 - Hypertension, tachycardia, respiratory irregularity
 - Hypertension, bradycardia, respiratory irregularity
 - Hypotension, tachycardia, respiratory regularity
- Following a gunshot wound to the shoulder, a patient is unable to abduct the arm between 0 and 15°, with reduced lateral rotation of the humerus. What nerve is probably injured?
 - Accessory (CN XI)
 - Axillary
 - Median
 - Suprascapular
- In a diving accident that severed the spinal cord below the sixth cervical vertebra, which muscle would be affected?
 - Deltoid
 - Infraspinatus
 - Latissimus dorsi
 - Levator scapulae
- Phlebotomist attempts to insert the needle to draw blood from the median cubital vein, the patient suddenly screams and complains of pain and burning in the middle and thumb side of his palm. The nerve accidentally impaled on the needle was the.
 - Lateral antebrachial cutaneous
 - Medial antebrachial cutaneous
 - Median
 - Ulnar
- Neurological testing of a patient reveals no cutaneous sensation on the tip of the index finger. Such a finding would indicate injury to some portion of which nerve?
 - Axillary
 - Median
 - Musculocutaneous
 - Radial
- What is not true about CRASH-2 trial?
 - Trial was to assess the effects of early administration of tranexamic acid on death vascular occlusive events, and blood transfusion
 - Tranexamic acid significantly reduced all-cause mortality
 - The CRASH-2 trial recruited more than 20,000 adult trauma patients
 - Treatment with tranexamic acid should be started after 6 h because tranexamic acid is thought to exert its effect through inhibition of fibrinolysis
- What is not true about tranexamic acid?
 - Tranexamic acid should be given as early as possible to bleeding trauma patients
 - Early treatment with tranexamic acid significantly reduces the risk of death due to bleeding
 - Recommended dose of tranexamic acid in bleeding trauma patients is-loading dose 1 g over 10 min followed by infusion of 1 g over 8 h
 - Trauma patients admitted late after injury >8 h, tranexamic acid is effective and not harmful

[☆] The Neurotrauma Quiz Keys can be found in the online version of the issue.

13. Preventing secondary brain injury is the major goal of TBI management, which statement is correct about major goal of TBI
- Correcting or preventing hypoxemia (keep $\text{PaO}_2 > 60$)
 - Correcting or preventing keep systolic blood pressure (SBP) > 90 mm Hg
 - Correct or prevent hyperglycemia, and hyperthermia
 - All answer is true
14. Which statement is false for Cerebral microdialysis?
- Cerebral microdialysis involves placement of a small catheter into the brain parenchyma
 - Extracellular concentrations of ischemic metabolites, such as lactate and pyruvate, are measured
 - Lactate:pyruvate ratio >40 is indicative of cerebral metabolic crisis
 - Measured values represent real time cerebral events
15. Which statement is false for Jugular Venous Oxygen Saturation.
- Fiberoptic catheter is placed in the jugular bulb
 - Jugular venous oxygen saturation represents a measure of global cerebral oxygen extraction
 - Values $<50\%$ are associated with worsened outcome in patients with TBI
 - Values $>75\%$ are associated with good outcome in patients with TBI

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Neurotrauma quiz keys

NO	Question	Key
1	Bonnaire's tubercle is located on	A
2	Which of the following is a function of the sympathetic nervous system?	A
3	Anterior cord syndrome is caused by which of the following mechanisms?	C
4	All answer are true about TBI (Traumatic brain injury) except	C
5	Which of the following medications is NOT warranted in the prehospital management of patients with spinal cord injuries?	B
6	Which of the answer is true about classic triad of <i>Cushing reflex</i> ?	C
7	Following a gunshot wound to the shoulder, a patient is unable to abduct the arm between 0 and 15°, with reduced lateral rotation of the humerus. What nerve is probably injured?	D
8	In a diving accident that severed the spinal cord below the sixth cervical vertebra, which muscle would be affected?	C
9	Phlebotomist attempts to insert the needle to draw blood from the median cubital vein, the patient suddenly screams and complains of pain and burning in the middle and thumb side of his palm. The nerve accidentally impaled on the needle was the.	C
10	Neurological testing of a patient reveals no cutaneous sensation on the tip of the index finger. Such a finding would indicate injury to some portion of which nerve?	B
11	What is not true about CRASH-2 trial?	D
12	What is not true about tranexamic acid?	D
13	Preventing secondary brain injury is the major goal of TBI management, Which statement is correct about major goal of TBI.	D
14	Which statement is false for Cerebral microdialysis?	D
15	Which statement is false for Jugular Venous Oxygen Saturation?	D