

Continuing Education QUIZ (2.5 hours CEU)

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Evaluation and Management of Acute Cervical Spine Trauma

- 1) The incidence of serious cervical spine injuries is low, but when they are present, associated rates of death and disability are high.

- True
 False

- 2) Which of the following vertebra account for nearly a quarter of all cervical spine fractures?

- C1
 C2
 C4
 C6
 C7

- 3) In the NEXUS trial, more than half of all cervical spine fractures were unstable.

- True
 False

- 4) The anterior cervical artery is especially susceptible in which types of injuries?

- Hyper-extension injuries
 Hyper-flexion injuries
 Compression injuries
 Degenerative changes

- 5) Which of the following flexion injuries are considered stable?

- Dens Type III fracture
 Bilateral facet dislocation
 Clay shoveler fracture
 Flexion tear drop fracture

6) Which of the following regarding extension tear drop fractures is **not** true?

- It is a potentially unstable fracture
- Radiographic appearance may be similar to a flexion teardrop fracture
- The differentiating factor from a flexion tear drop fracture is the mechanism and the fact that most extension tear drop fractures occur at C2
- Neurologic damage on presentation is usually very severe in extension tear drop fractures

7) Central cord syndrome is more likely when an extension tear drop fracture occurs at levels C5-7

- True
- False

8) Typical clinical findings of vertebral artery injury include vertigo, unilateral facial paresthesias, cerebellar signs, lateral medullary signs and visual field defects.

- True
- False

9) One of the most important points in dealing with potential spine injuries in the pre-hospital setting is to secure the patient to the backboard to minimize movement in case the patient vomits and needs to be rolled onto the side to prevent aspiration.

- True
- False

10) Which of the following is associated with upper extremity weakness greater than lower extremity weakness

- Anterior cord syndrome
- Brown-Sequard syndrome
- Central cord syndrome