

Evaluation of Spine Trauma: CT, MRI and Radiography

1. What percentage of C2 fractures involve the odontoid process?
 - a. 39%
 - b. 44%
 - c. 55%
 - d. 59%
2. What is the most common cause of C2 fractures?
 - a. Motor vehicle accident
 - b. Diving accident
 - c. Football accident
 - d. Skiing accident
3. What fracture is commonly called the "hangman's fracture"?
 - a. Type I
 - b. Type II
 - c. Traumatic spondylolisthesis
 - d. Type III
4. Mid to lower cervical spine injuries represent _____ of cervical spine fractures.
 - a. 55%
 - b. 65%
 - c. 68%
 - d. 70%
5. Referencing the Subaxial Injury Classification and Scoring system, a neurologic status score of 1 indicates which of the following?
 - a. Intact
 - b. Root injury
 - c. Complete cord injury
 - d. Incomplete cord injury
6. The _____ vertebrae are relatively immobile as they are stabilized by a ring formed by the spine, ribs, and sternum.
 - a. T1-T5
 - b. T1-T7
 - c. T1-T10
 - d. T1-T-12
7. 78% of white women older than _____ have at least one thoracic compression fracture.
 - a. 60 years
 - b. 70 years
 - c. 80 years
 - d. 90 years
8. Spondylolysis is a stress fracture of the bony arch connecting the upper and lower facet joints and occurs primarily at the _____ and _____ levels.
 - a. L1, L2
 - b. L2, L3
 - c. L4, L5
 - d. L5, S1

9. The prevalence of spondylolysis is approximately _____.
 - a. 5%
 - b. 6%
 - c. 7%
 - d. 8%
10. What is the best radiographic view to diagnose spondylolysis?
 - a. AP view
 - b. Lateral view
 - c. Oblique view
 - d. PA view
11. Which modality has the highest sensitivity for spinal fracture detection?
 - a. Radiography
 - b. MRI
 - c. PET
 - d. CT
12. Which modality has the advantage of detecting edema in early-stage injury?
 - a. MRI
 - b. CT
 - c. Radiography
 - d. Ultrasound