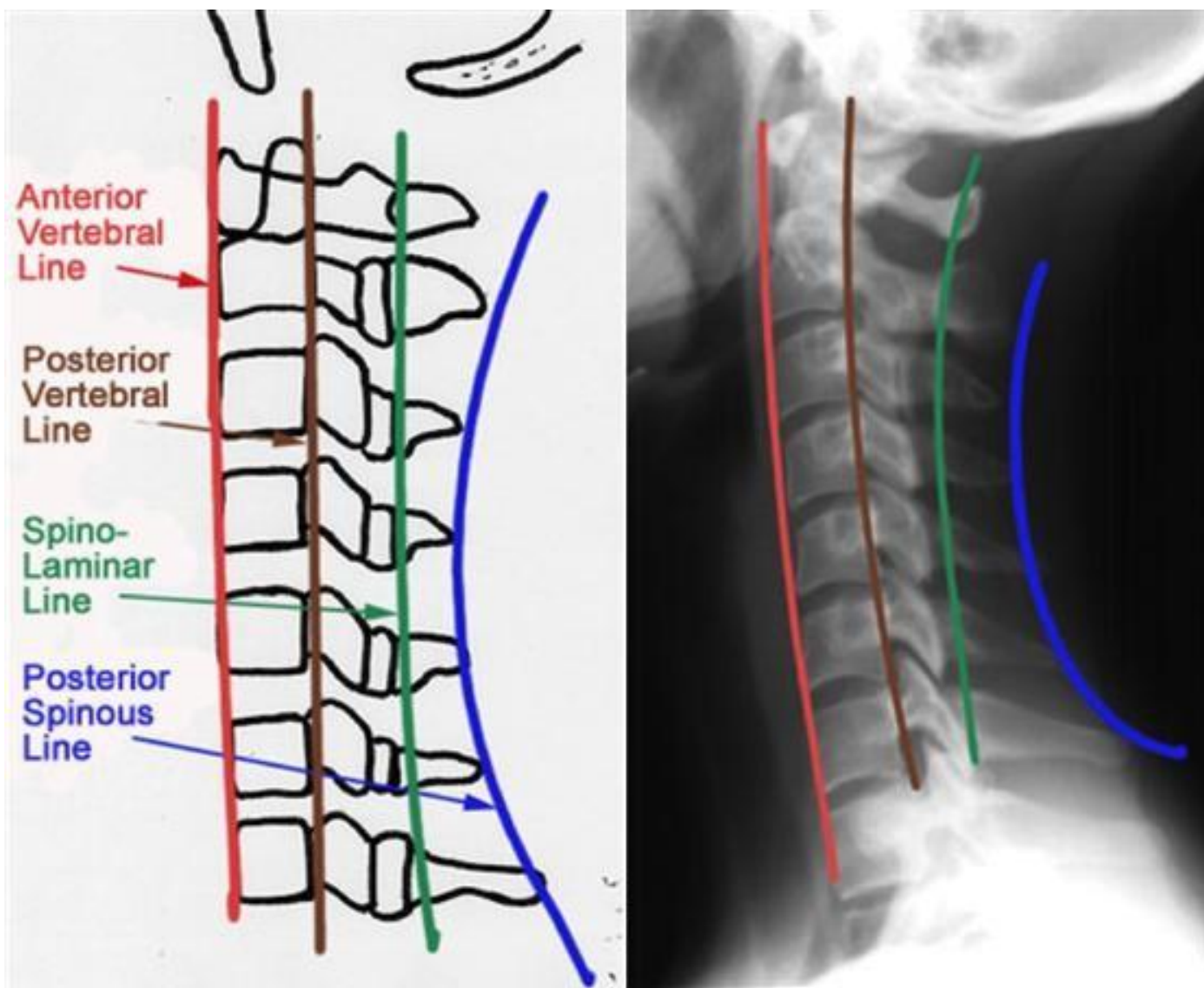


1. Alignment of cervical spine assessment



2. **Plain XR and CT demonstrating XR appears 'normal' but the CT of same patient demonstrates oblique nondisplaced fracture of L C6 superior and inferior facets** (<https://www.saem.org/cdem/education/online-education/m3-curriculum/group-traumatic-and-orthopedic-injuries/cervical-spine-imaging-in-trauma>)



Normal XR examples:

3. Normal AP: anteroposterior projection of the cervical spine demonstrating the vertebral bodies and intervertebral spaces



4. Normal lateral X-ray: often used to identify

- zygapophyseal joints
- soft tissue structures around the c spine
- spinous processes
- anterior-posterior relationship of the vertebral bodies



5. PEG view: Normal

Also known as an odontoid projection it demonstrates the [C1 \(atlas\)](#) and [C2 \(axis\)](#)



6. Oblique X-ray: Normal

Demonstrates the intervertebral foramina of the side positioned further (or closer) from the image receptor

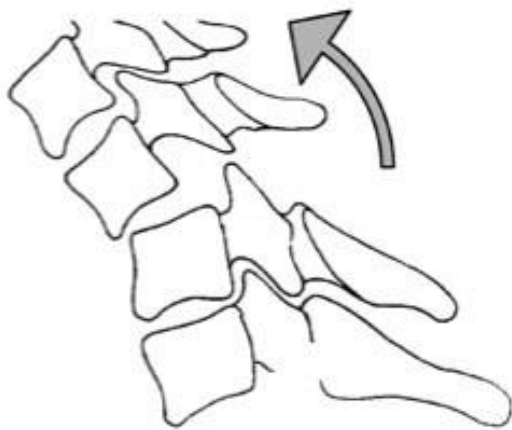


7. Swimmers: Normal

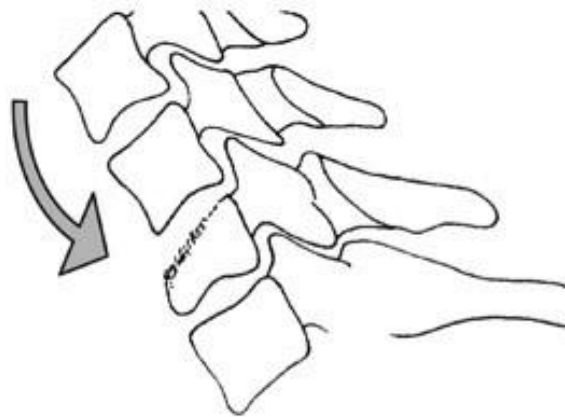
Modified lateral projection of the cervical spine to visualise the C7/T1 junction



8. Mechanism of injury in the cervical spine



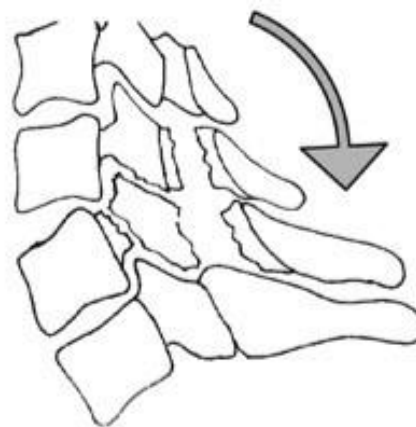
Distractive Flexion



Compressive Flexion



Distractive Extension



Compressive Extension

9. Injuries:

9a. Dens fracture



9b. Hangman's fracture



9c. Bilateral facet dislocation



9d. Jefferson fracture

