

#### Radiographic examination

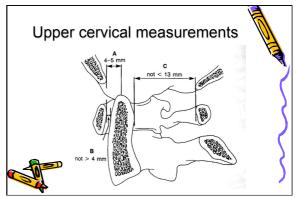
- A-P view with10 degrees cephalad angulation.
- Transbuccal view ( 5 degrees cephalad )
- Profil view ( if possible FFD 2.0 m).

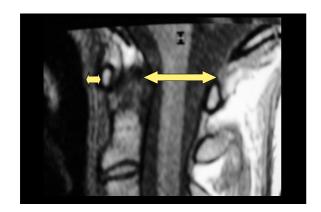


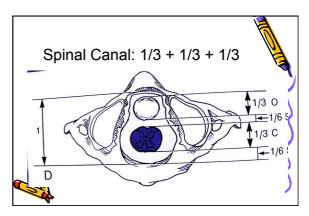


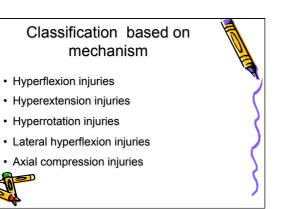


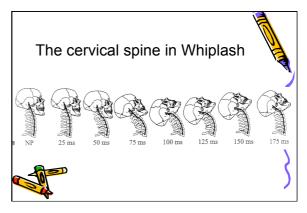


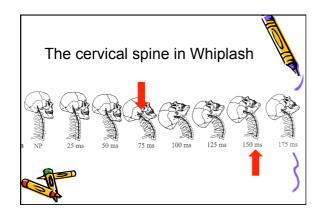




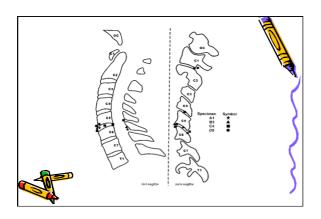












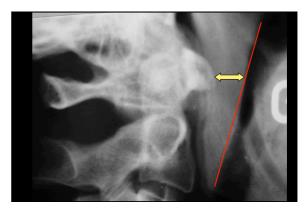
#### 1) Abnormal soft tissues

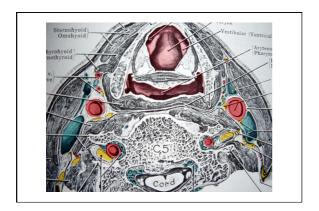
- widened retropharyngeal space
- widened retrotracheal space
- displacement of prevertebral fat stripe
- Tracheal displacement and laryngeal dislocation

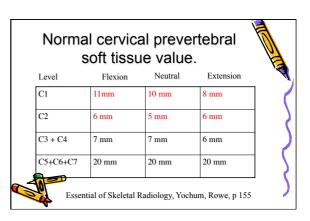


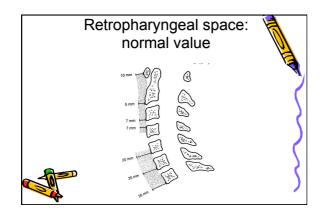
From: The Radiology of Vertebral Trauma, Gehweiler et al. Monograph in clinical radiology No 16, Saunders, 1980













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#### Significant signs of cervical spine trauma

- 1) Abnormal soft tissues
  - widened retropharyngeal space
  - widened retrotracheal space
  - displacement of prevertebral fat stripe
  - Tracheal displacement and laryngeal dislocation



From: The Radiology of Vertebral Trauma, Gehweiler et al. Monograph in clinical radiology No 16, Saunders, 1980





2) Abnormal vertebral alignment

- loss of lordosis
- acute kyphotic hyperangulation
- torticollis
- widened interspinous space
- rotation of vertebral bodies





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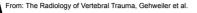




## Significant signs of cervical spine trauma



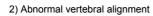
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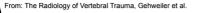








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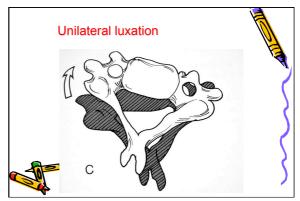


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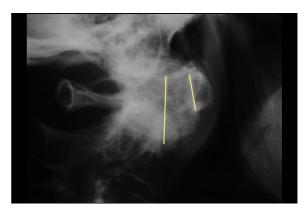


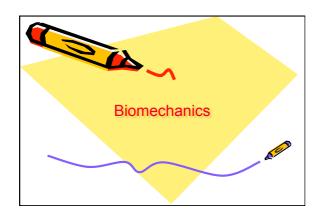


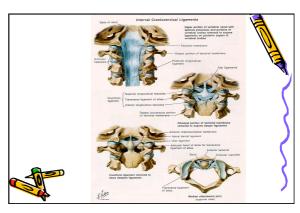


# Significant signs of cervical spine trauma 3) Abnormal joints - widened middle atlantoaxial joint - abnormal intervertebral disk - widening of apophyseal joints From: The Radiology of Vertebral Trauma, Gehweiler et al. Monograph in clinical radiology No 16, Saunders, 1980

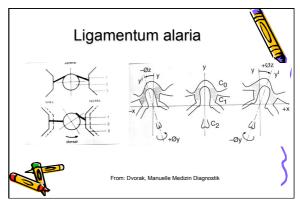


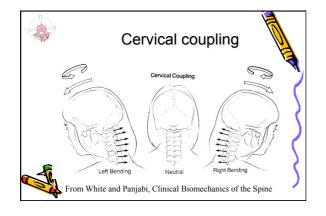


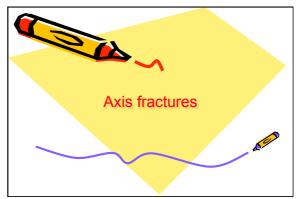


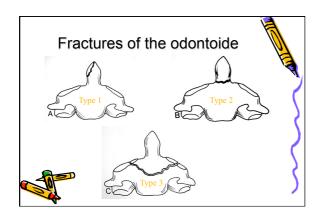


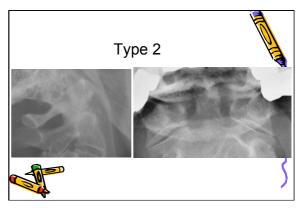


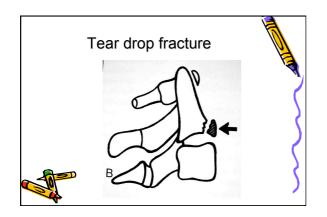


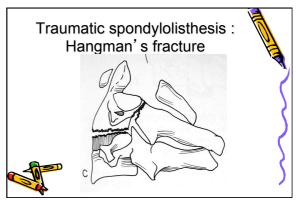




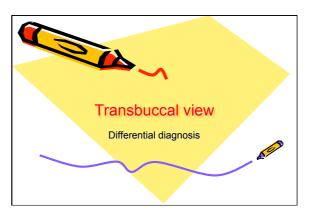


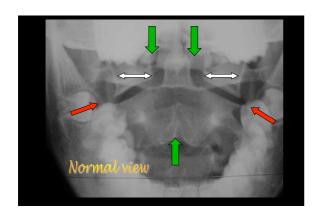


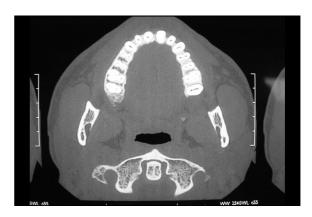




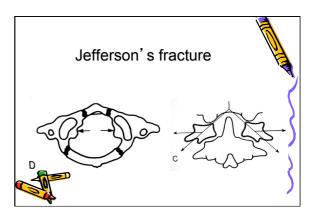


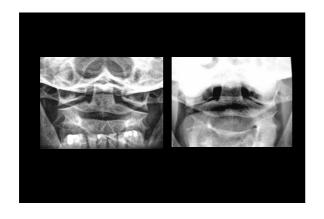




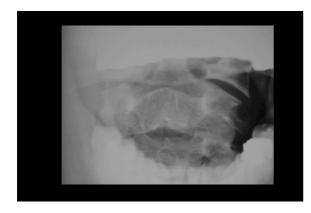






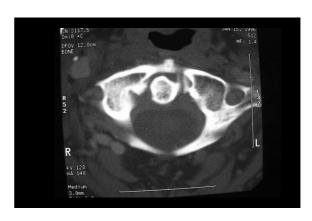




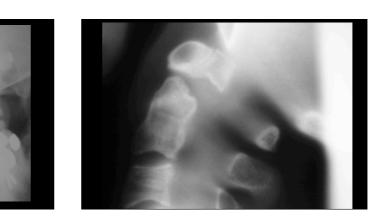


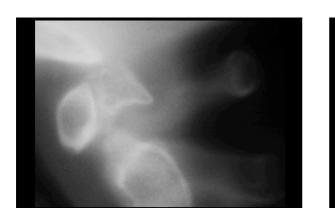






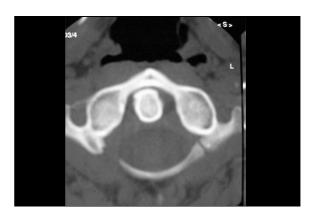


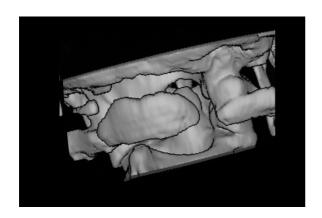




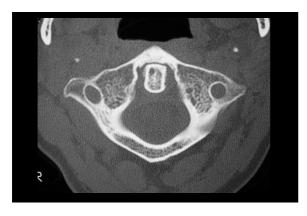




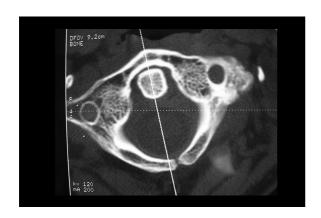


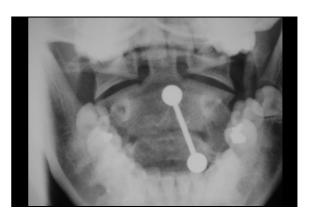




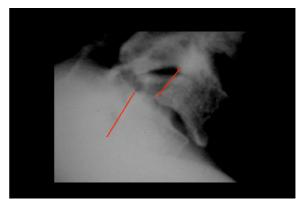














#### Take home messages

- You see only what you are looking for!
- You have to be systematical and thorough!
- You have seen the first lesion, look for the second one!
- Good correlation between clinical exam and adjusted and adjusted to the second se