



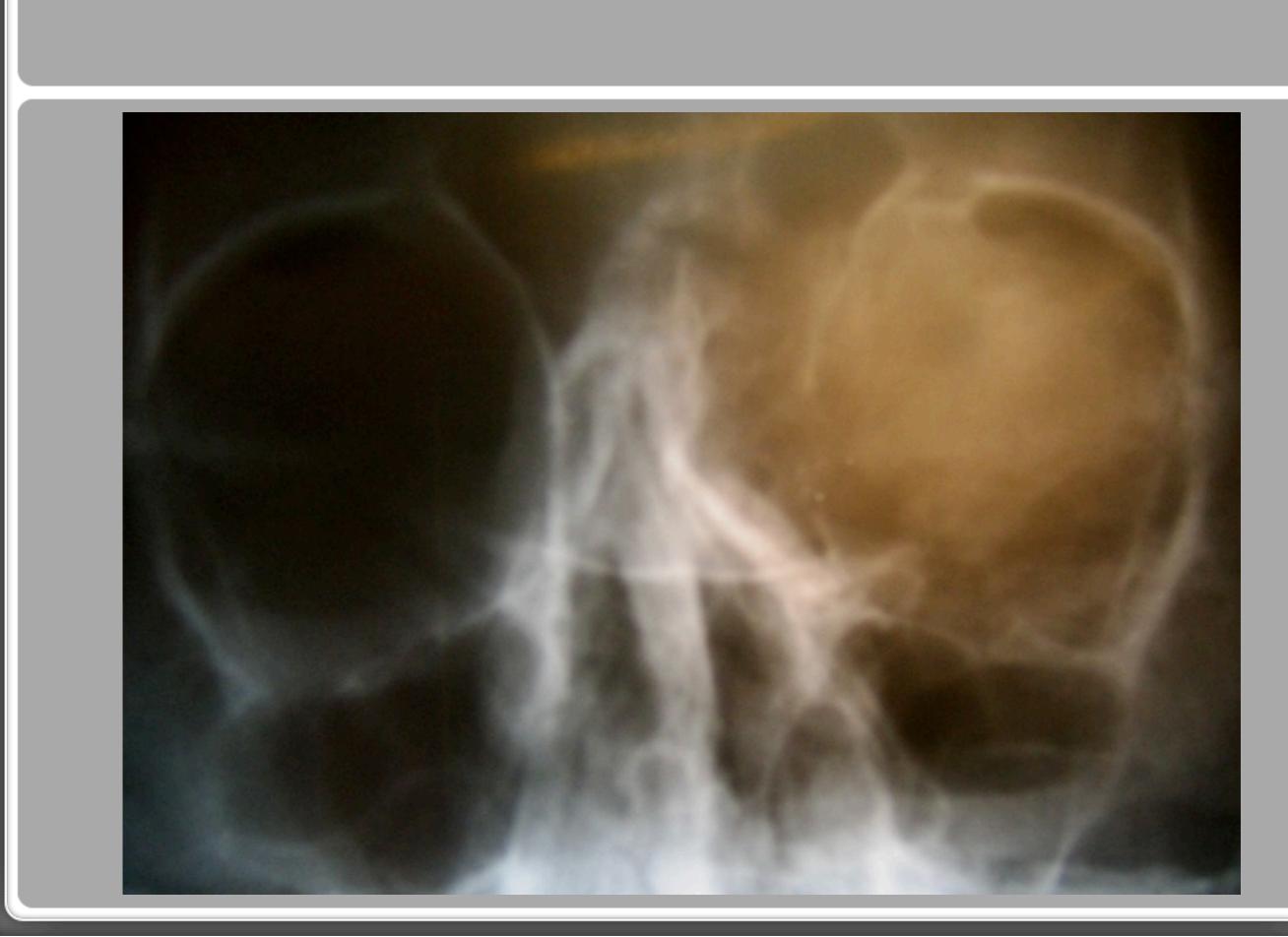
Commonly Missed X-rays

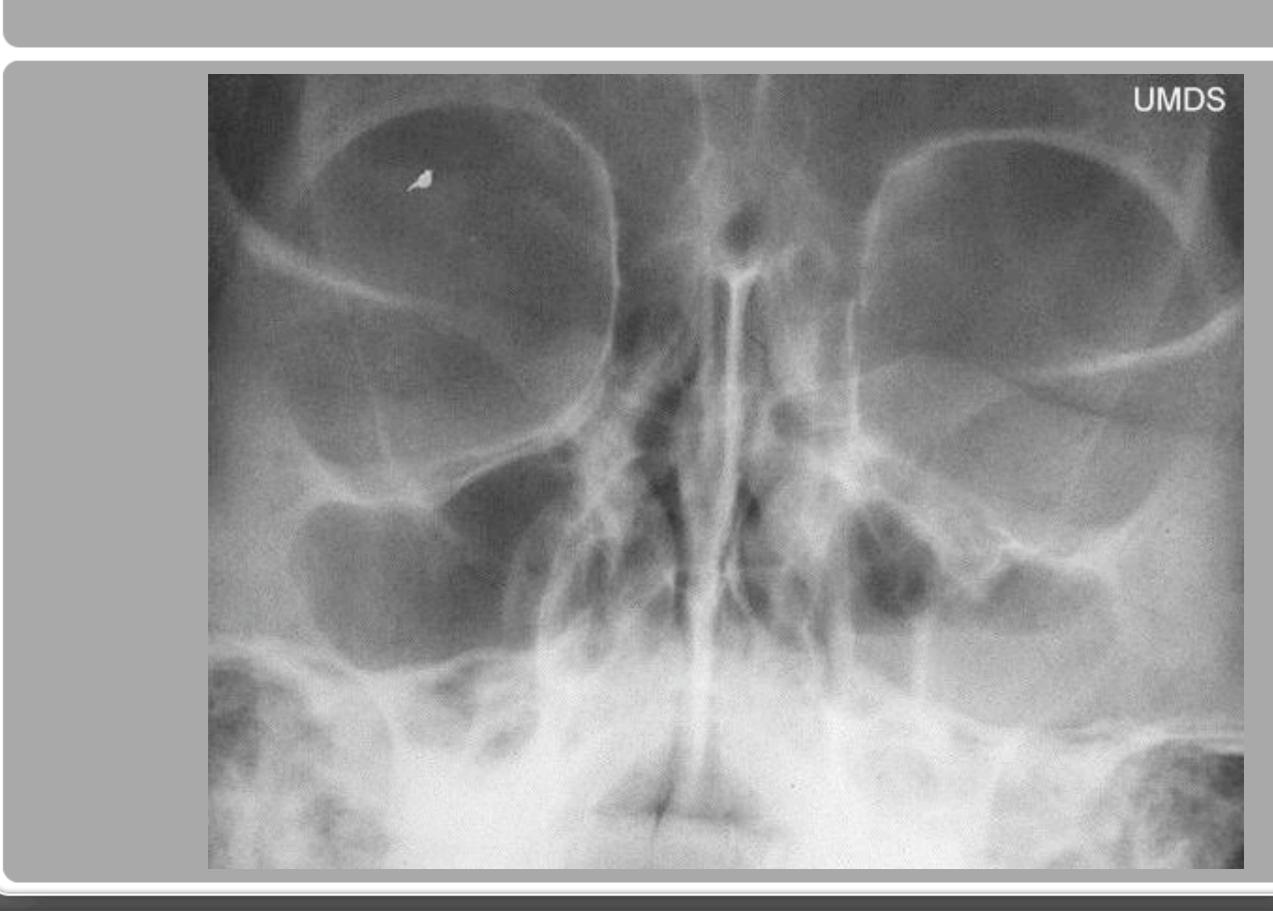
- Repeatedly missed, difficult to see abnormalities
- Serious long term consequences of misses
- Medico-legal implications
- This is not a "How To Read X-rays" session
- Check all cortices, be systematic
- Look for the second injury/abnormality

Facial Views

- Compare sides-elephant ears and trunk
- Clinical Suspicion
- Maxillary sinus fluid level
- Air in orbit
- o 'Tear drop'





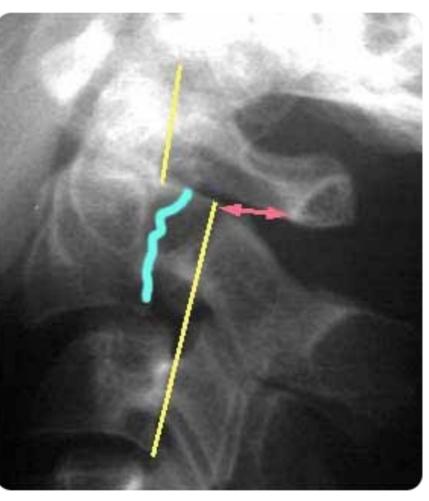


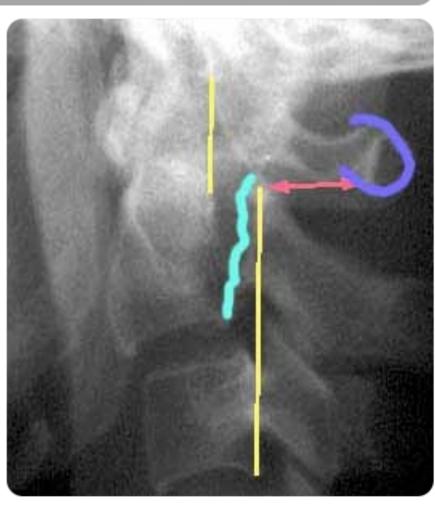












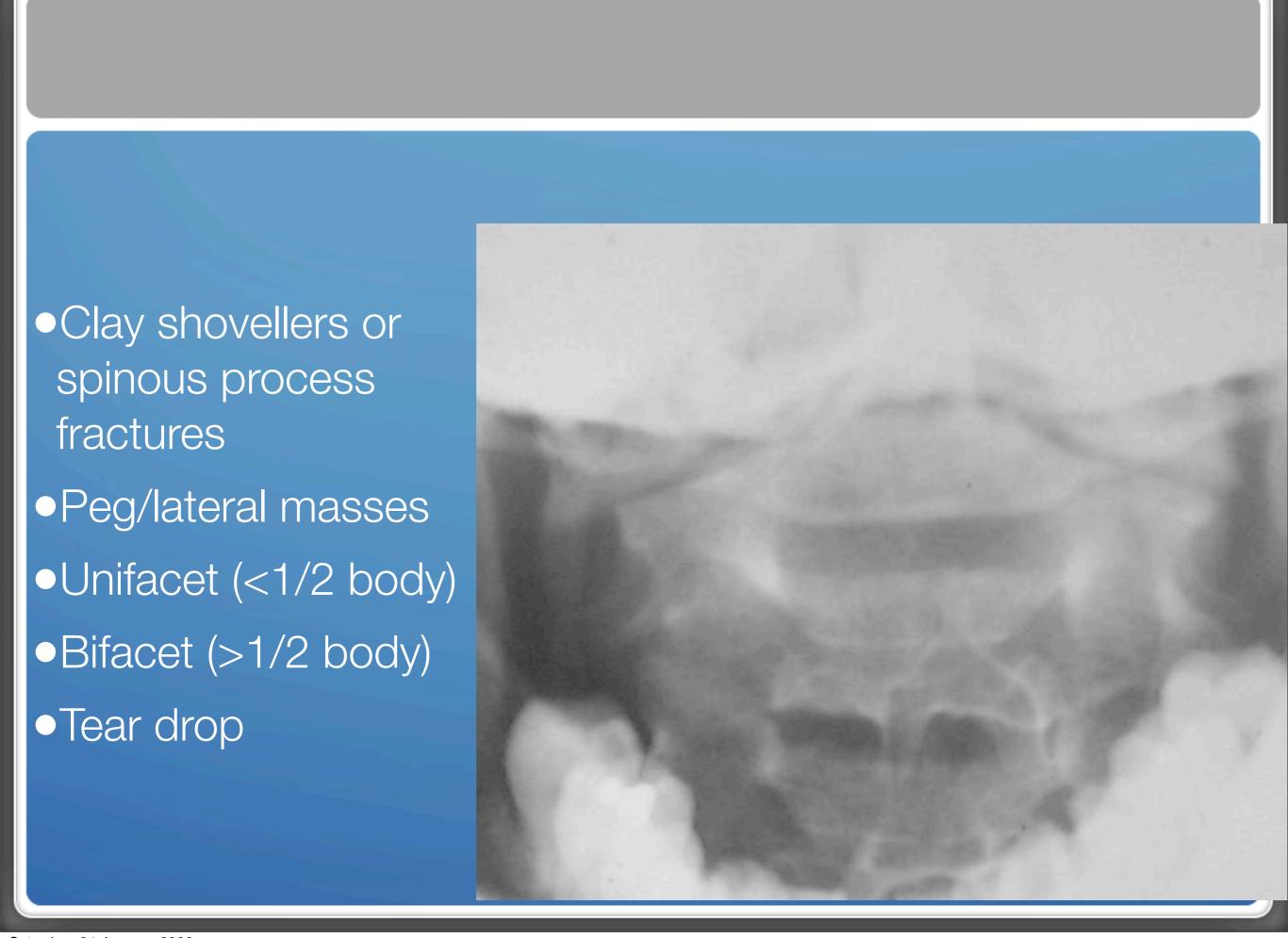
High/low index of suspicion

- Always get C7-T1 junction
- Look for second injury
- Check alignments & cortices
- Peg views more difficult

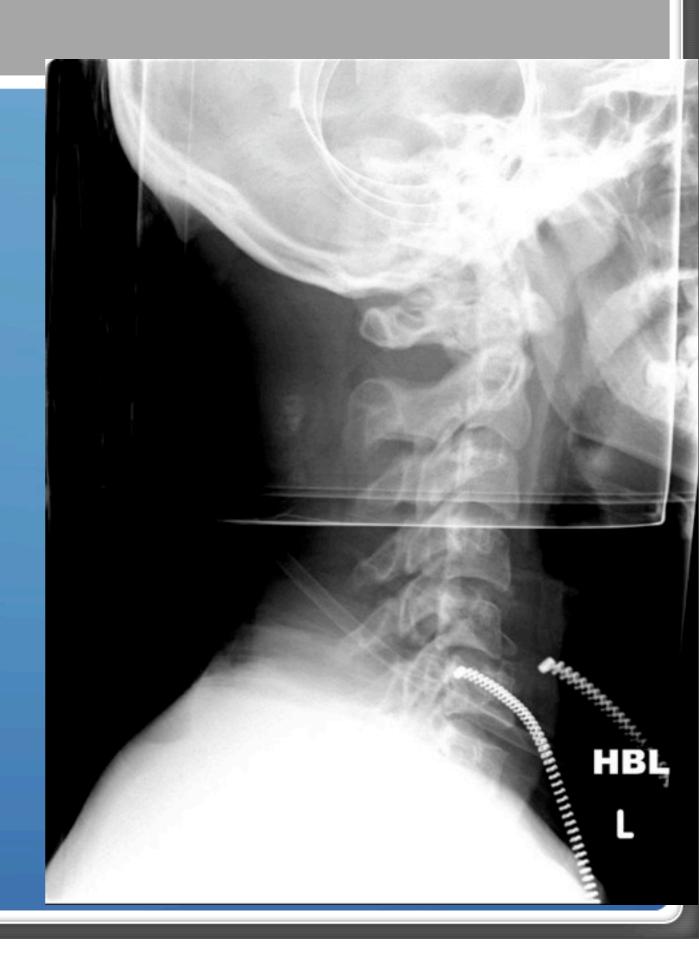
Cervical Spine Injuries

- Clay shovellers or spinous process fractures
- Peg/lateral masses
- Unifacet (<1/2 body)
- Bifacet (>1/2 body)
- Tear drop





- Clay shovellers or spinous process
 fractures
- Peg/lateral masses
- Unifacet (<1/2 body)
- Bifacet (>1/2 body)
- Tear drop



- Clay shovellers or spinous process fractures
- Peg/lateral masses
- Unifacet (<1/2 body)
- Bifacet (>1/2 body)
- Tear drop



Elbow fat pad

- Normal if flat anteriorly
- Always abnormal posterior
- Supracondylar in kids
- Radial head in adults



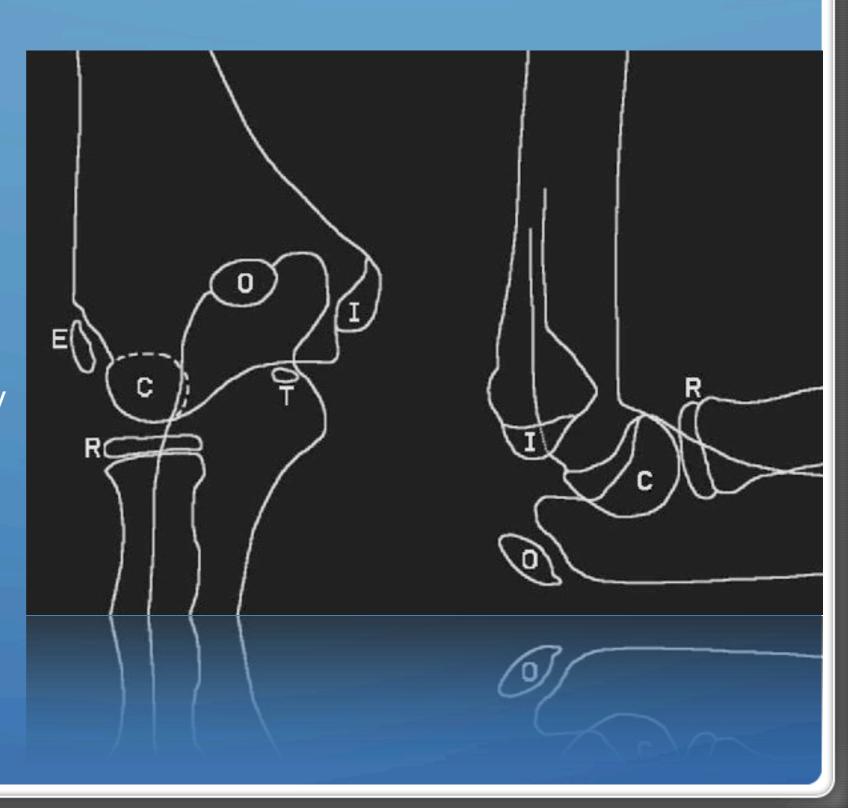
Children Elbows

- Capitellum-6/12
- Radial head-5y
- Internal epicond-6y
- Trochlear-10y
- Olecranon-11y
- External epicond-12y



Children Elbows

- Capitellum-6/12
- Radial head-5y
- Internal epicond-6y
- Trochlear-10y
- Olecranon-11y
- External epicond-12y





- Radial articular surface should face forward 10°
- If angulated beyond perpendicular-needs MUA
- If <65yrs, dorsal cortex communited/segmental or intra-articular: Refer



- Radial articular surface should face forward 10°
- If angulated beyond perpendicular-needs MUA
- If <65yrs, dorsal cortex communited/segmental or intra-articular: Refer



- Radial articular surface should face forward 10°
- If angulated beyond perpendicular-needs MUA
- If <65yrs, dorsal cortex communited/segmental or intra-articular: Refer



- Radial articular surface should face forward 10°
- If angulated beyond perpendicular-needs MUA
- If <65yrs, dorsal cortex communited/segmental or intra-articular: Refer

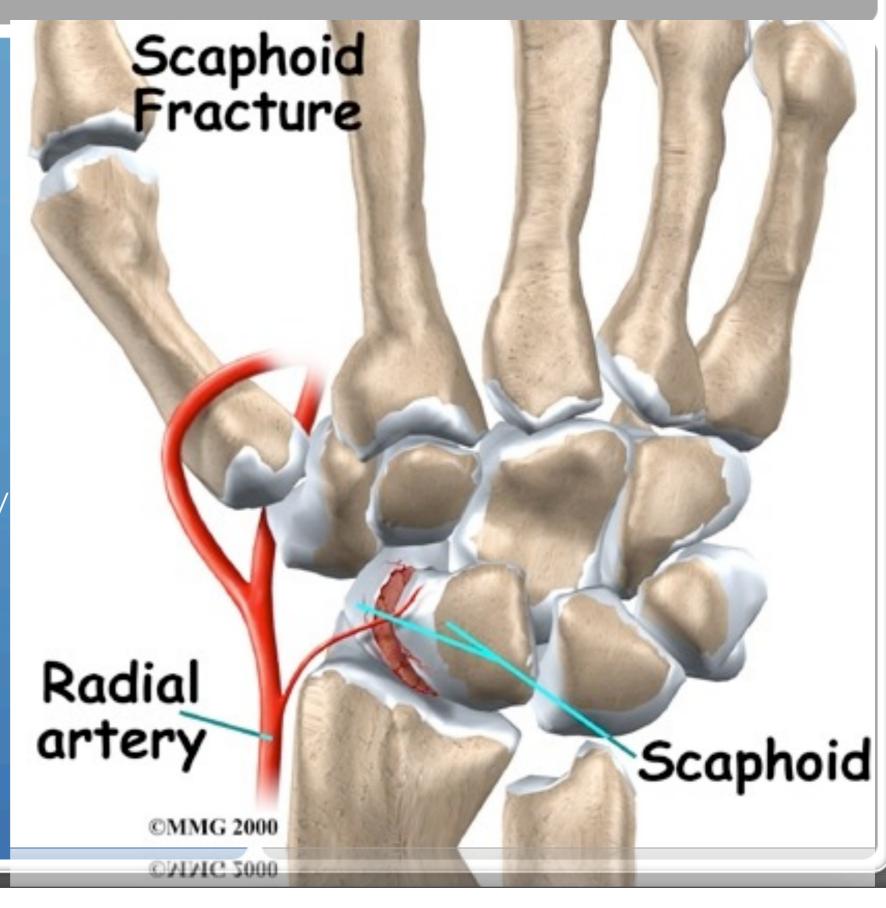


- Radial articular surface should face forward 10°
- If angulated beyond perpendicular-needs MUA
- If <65yrs, dorsal cortex communited/segmental or intra-articular: Refer



- Radial articular surface should face forward 10°
- If angulated beyond perpendicular-needs MUA
- If <65yrs, dorsal cortex communited/segmental or intra-articular: Refer

- May be normal initially
- Repeat 10/7
- May still need MRI/ bone scan
- Serious if missed
- Look out for scapholunate dissociation



- May be normal initially
- Repeat 10/7
- May still need MRI/ bone scan
- Serious if missed
- Look out for scapholunate dissociation



- May be normal initially
- Repeat 10/7
- May still need MRI/ bone scan
- Serious if missed
- Look out for scapholunate dissociation

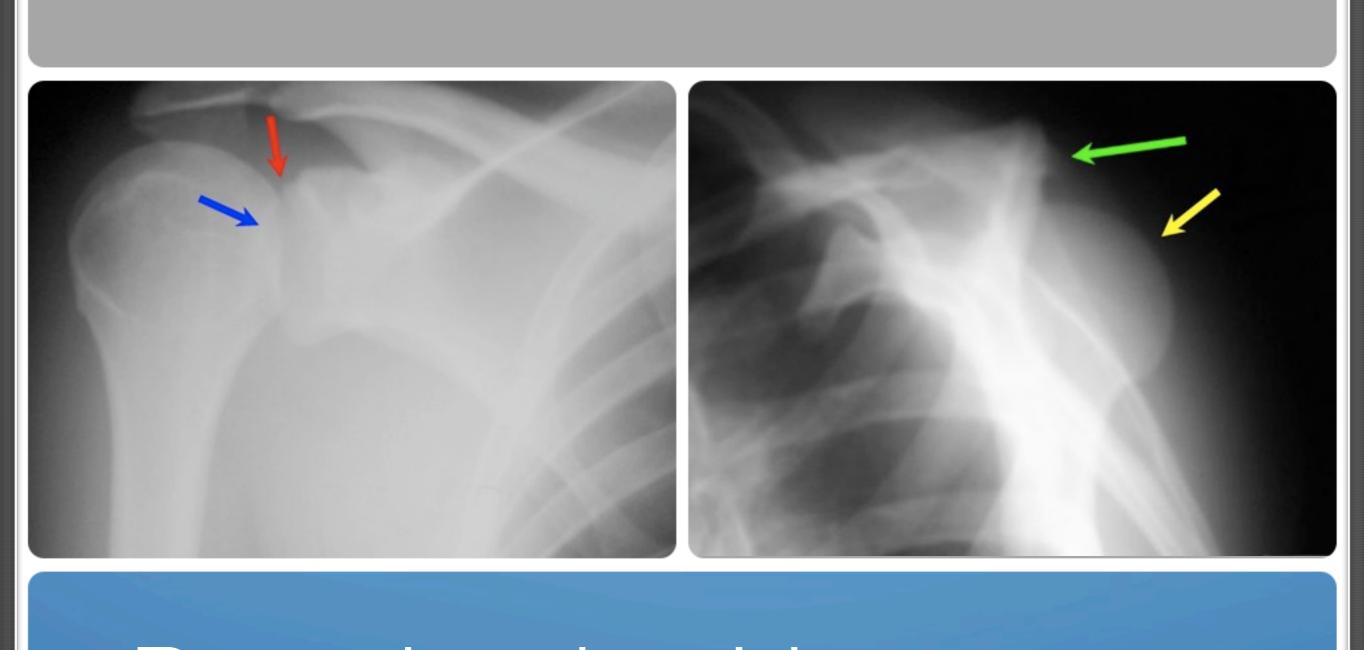


- May be normal initially
- Repeat 10/7
- May still need MRI/ bone scan
- Serious if missed
- Look out for scapholunate dissociation

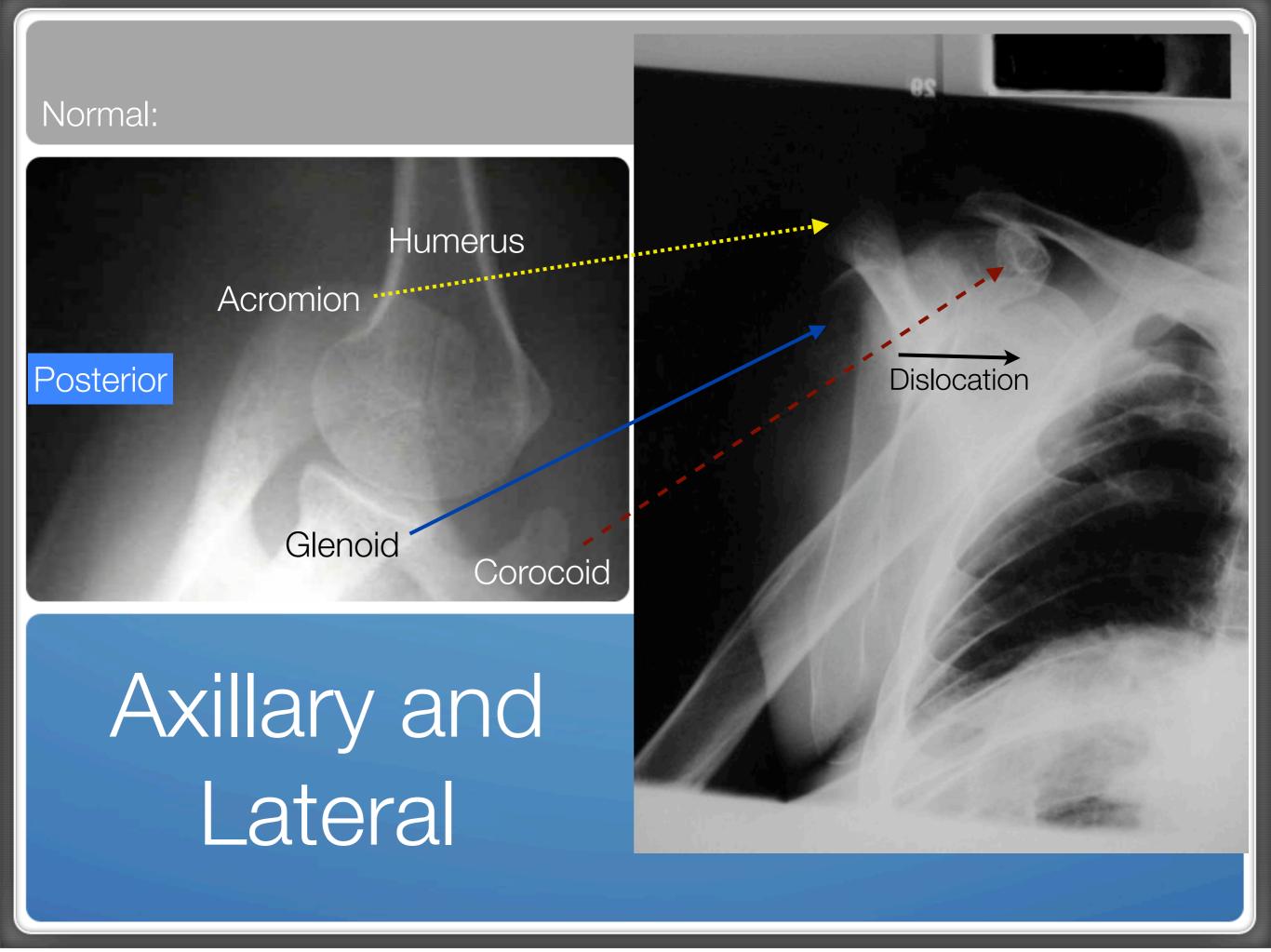


- May be normal initially
- Repeat 10/7
- May still need MRI/ bone scan
- Serious if missed
- Look out for scapholunate dissociation





Posterior shoulder dislocation

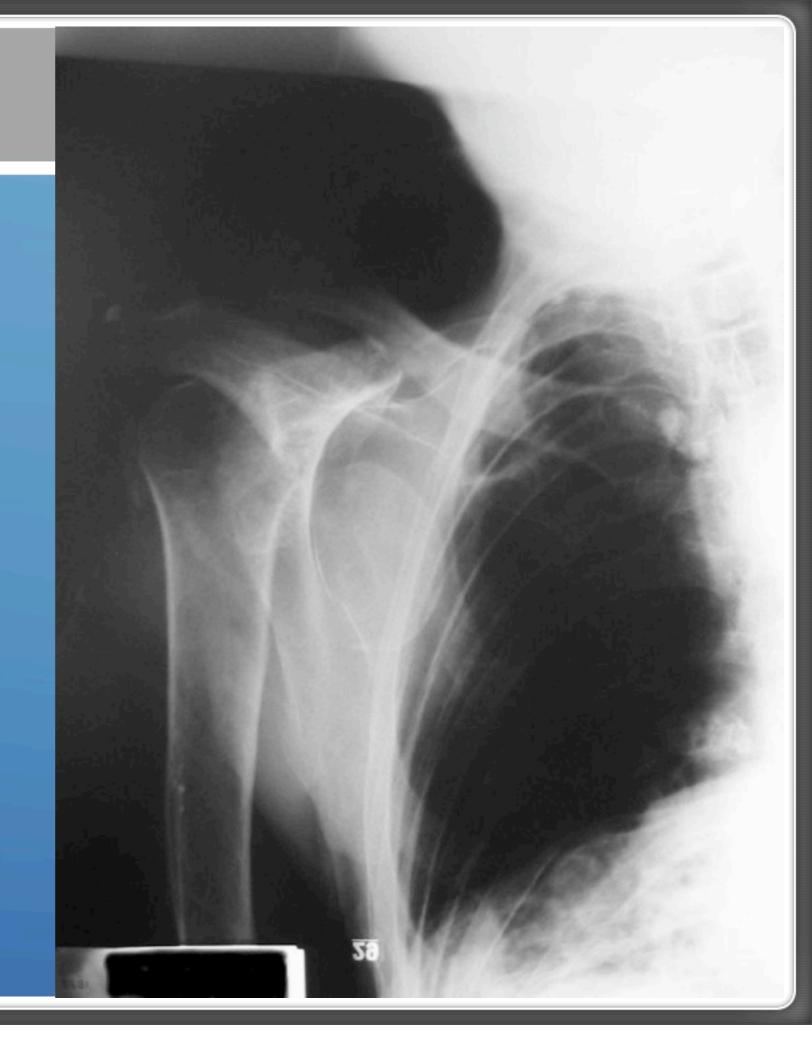


Look for humeral head

Greater tuberosity

Scapula can have subtle fractures

Look at ribs etc

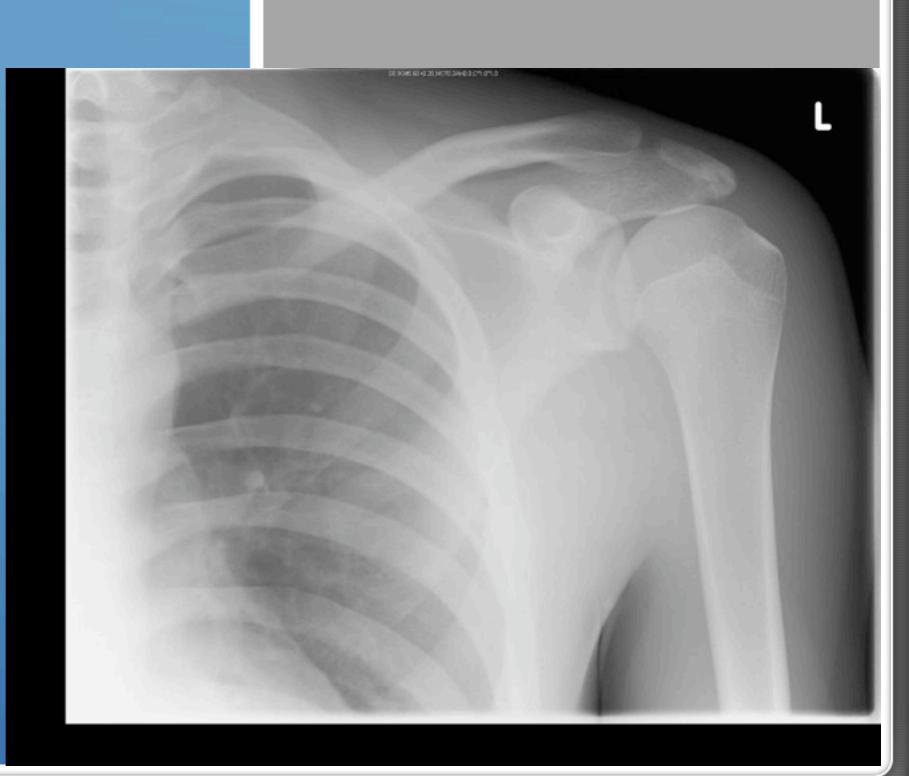


Look for humeral head

Greater tuberosity

Scapula can have subtle fractures

Look at ribs etc



Look for humeral head

Greater tuberosity

Scapula can have subtle fractures

Look at ribs etc



Look for humeral head

Greater tuberosity

Scapula can have subtle fractures

Look at ribs etc





Saturday, 24 January 2009

- Check for subtle cortical breaches
- Look for articular surface irregularities/drop
- Look for white area
 below articular surface
- Check forlipohaemarthrosis



Tibial Plateau Fracture

- Check for subtle cortical breaches
- Look for articular surface irregularities/drop
- Look for white area
 below articular surface
- Check forlipohaemarthrosis



Tibial Plateau Fracture

- Check for subtle cortical breaches
- Look for articular surface irregularities/drop
- Look for white areabelow articular surface
- Check forlipohaemarthrosis



Tibial Plateau Fracture

- Check for subtle cortical breaches
- Look for articular surface irregularities/drop
- Look for white area
 below articular surface
- Check for lipohaemarthrosis



Tibial Plateau Fracture

- Look for fracture
- pelvic symphysis separation (>5mm)
- Compare sides
- Check acetabulum
- Check SIJs
- Common site for secondaries/ Pagets



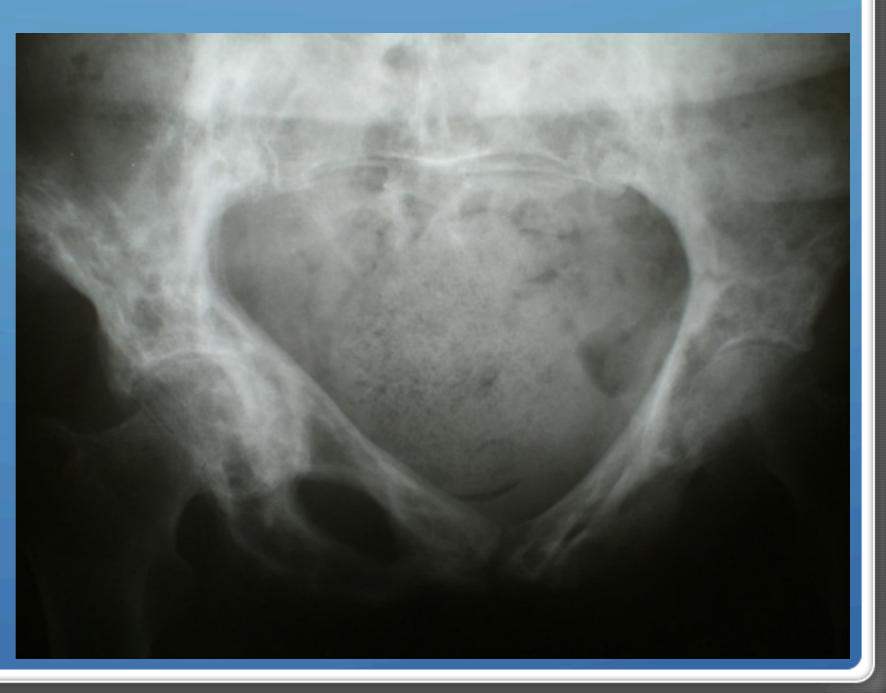
- Look for fracture
- pelvic symphysis separation (>5mm)
- Compare sides
- Check acetabulum
- Check SIJs
- Common site for secondaries/ Pagets



- Look for fracture
- pelvic symphysis separation (>5mm)
- Compare sides
- Check acetabulum
- Check SIJs
- Common site for secondaries/ Pagets



- Look for fracture
- pelvic symphysis separation (>5mm)
- Compare sides
- Check acetabulum
- Check SIJs
- Common site for secondaries/ Pagets



- Follow cortices carefully-avulsions
- Look at alignments
- 'Not right' is a good start
- LOOK for Lisfranc



- Follow cortices carefully-avulsions
- Look at alignments
- 'Not right' is a good start
- LOOK for Lisfranc



- Follow cortices carefully-avulsions
- Look at alignments
- 'Not right' is a good start
- LOOK for Lisfranc



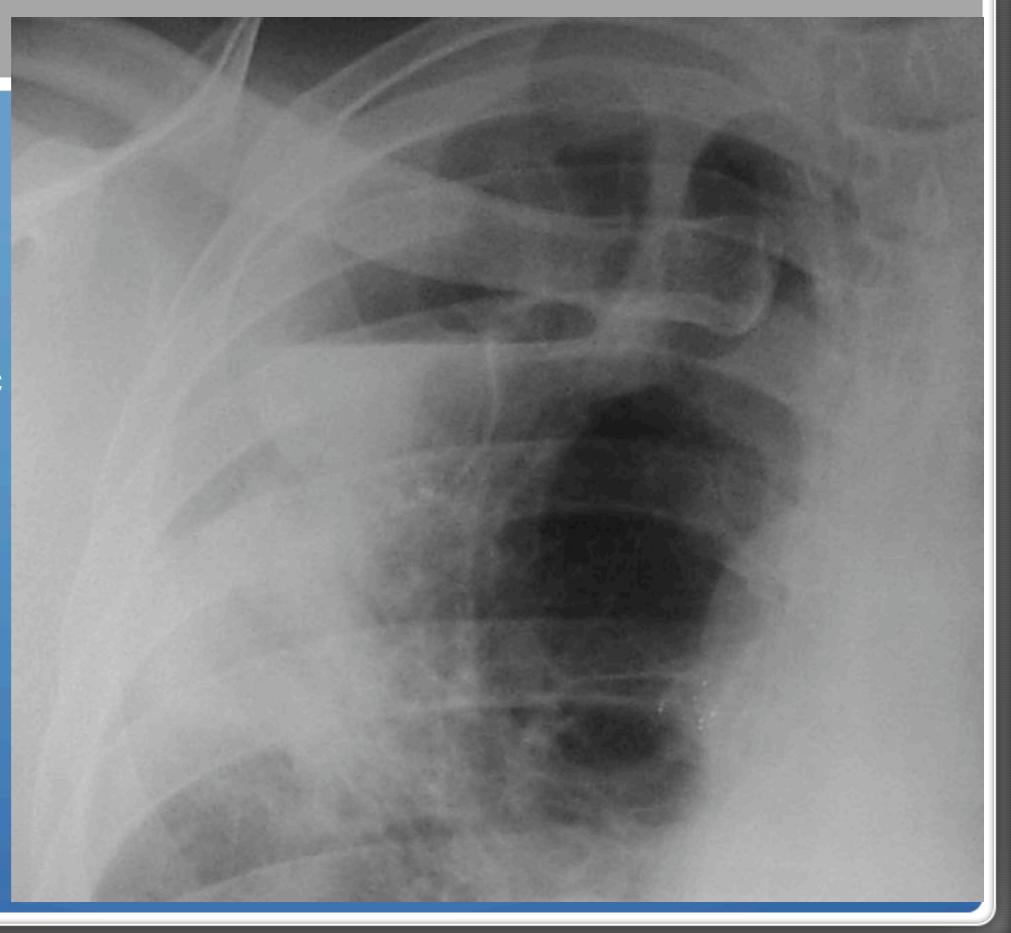
- Follow cortices carefully-avulsions
- Look at alignments
- 'Not right' is a good start
- LOOK for Lisfranc



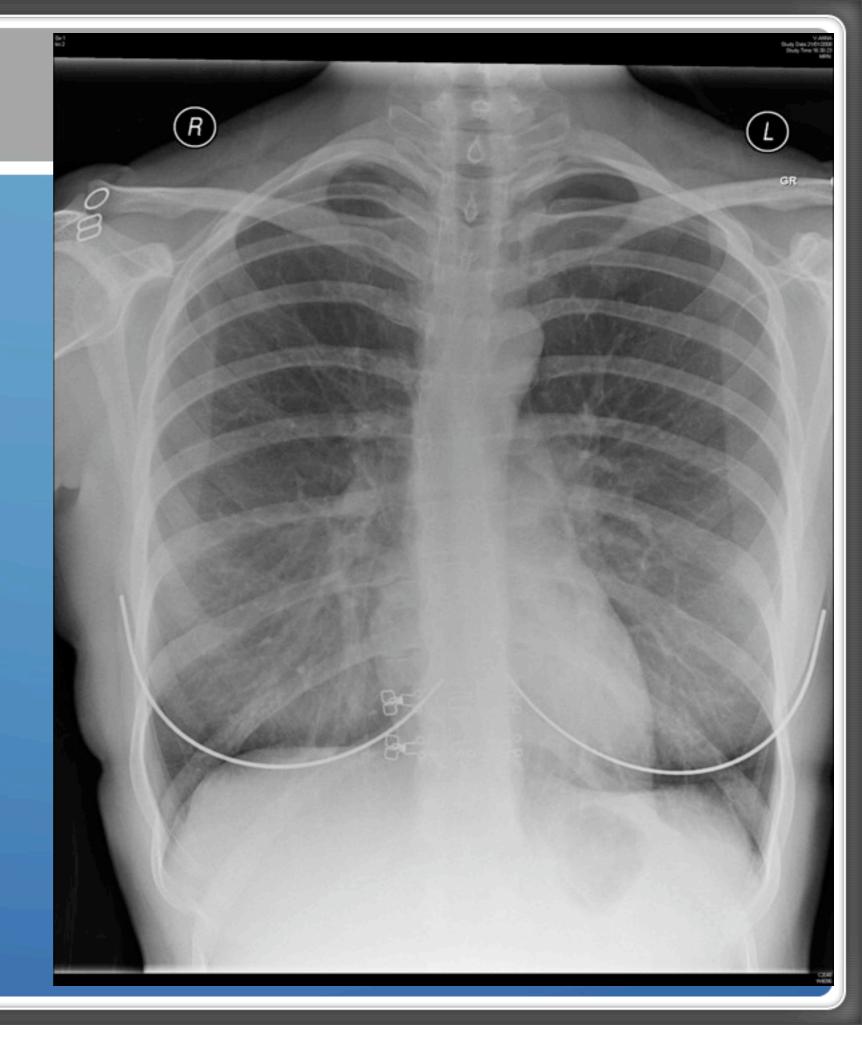
- Follow cortices carefully-avulsions
- Look at alignments
- 'Not right' is a good start
- LOOK for Lisfranc



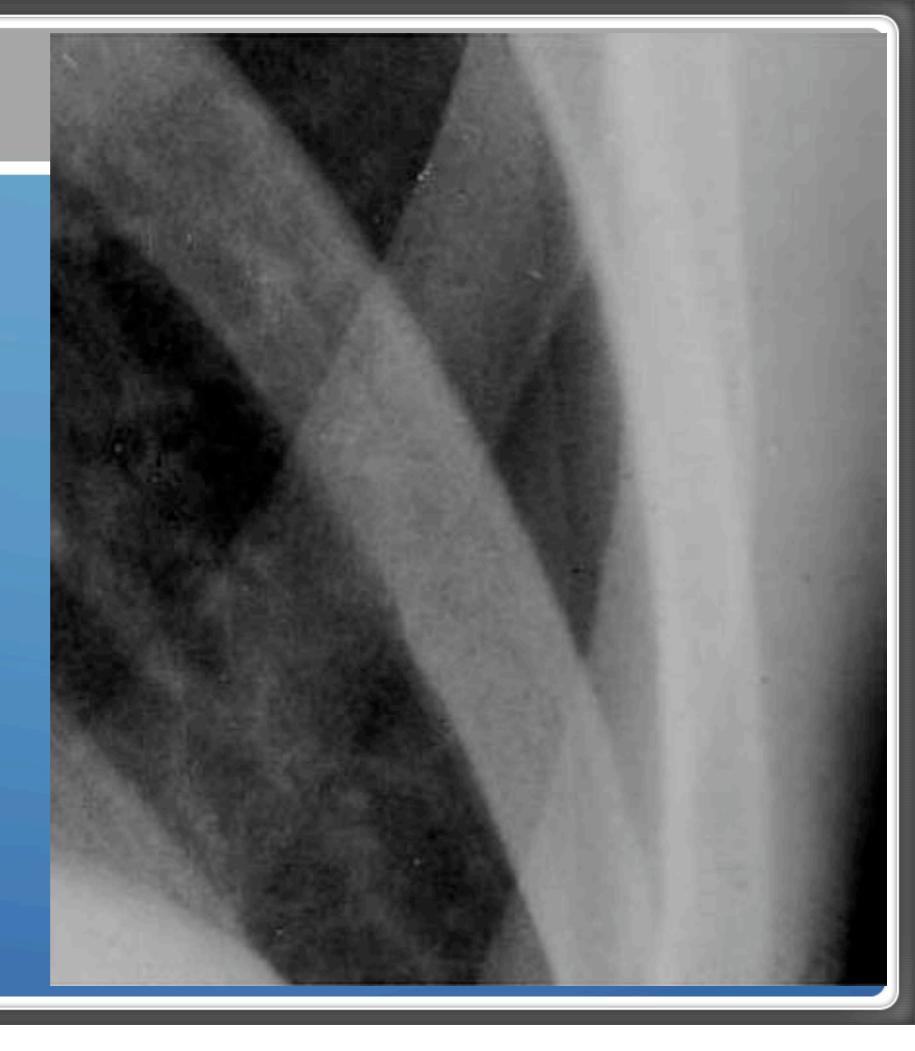
- Apices
- Look for small pneumothorac es
- Hilar/ mediastinal masses
- Rib fractures
- Effusions
- Diaphragms



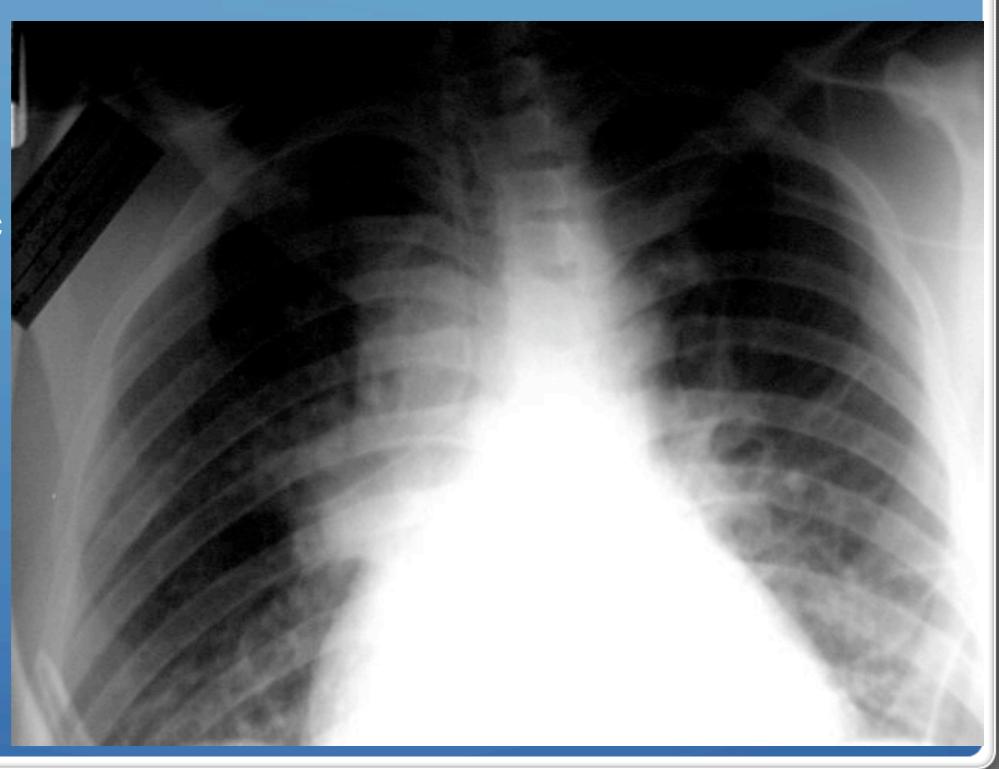
- Apices
- Look for small pneumothorac es
- Hilar/mediastinalmasses
- Rib fractures
- Effusions
- Diaphragms



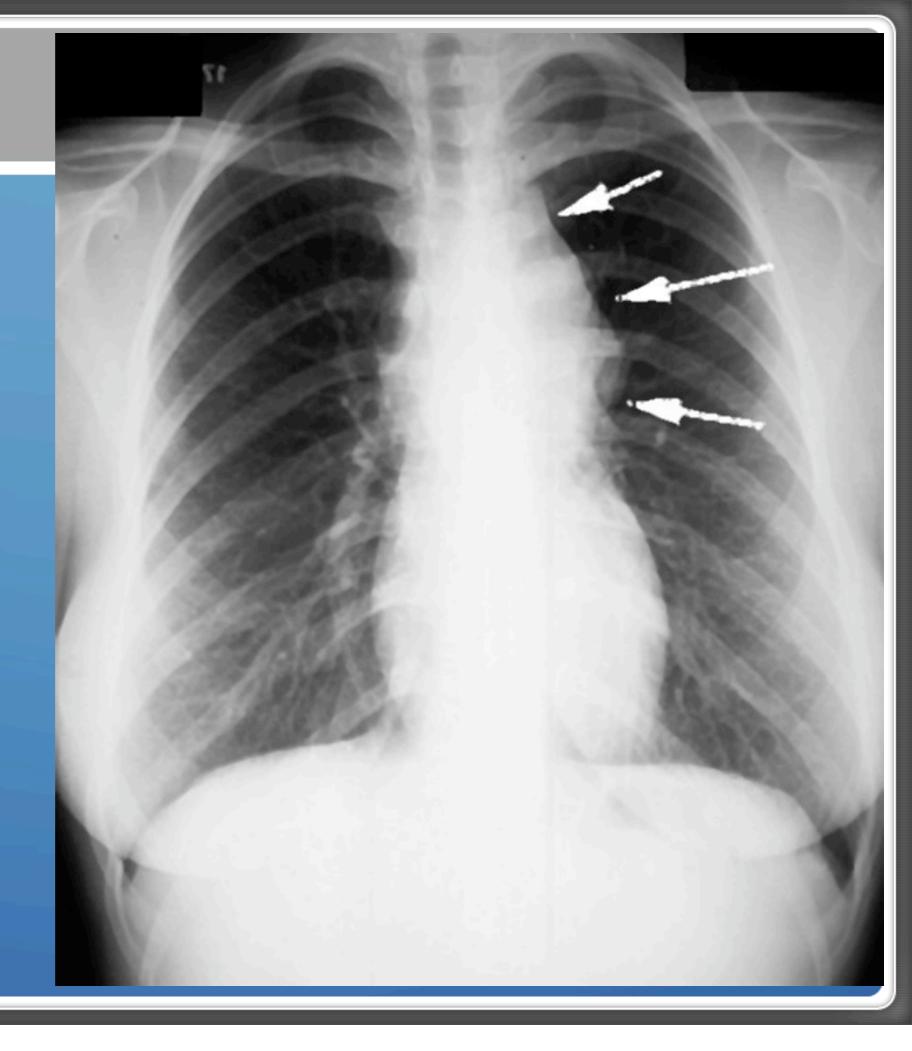
- Apices
- Look for small pneumothorac es
- Hilar/mediastinalmasses
- Rib fractures
- Effusions
- Diaphragms



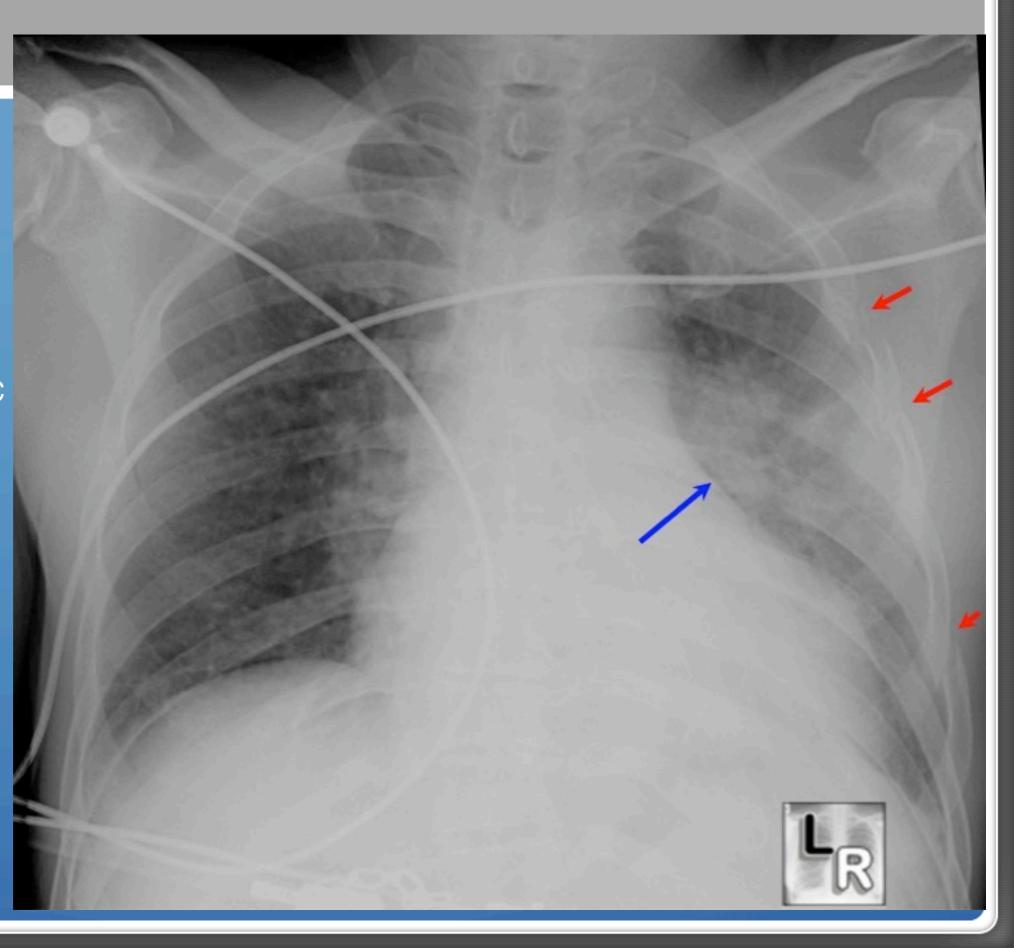
- Apices
- Look for small pneumothorac es
- Hilar/mediastinalmasses
- Rib fractures
- Effusions
- Diaphragms



- Apices
- Look for small pneumothorac es
- Hilar/mediastinalmasses
- Rib fractures
- Effusions
- Diaphragms



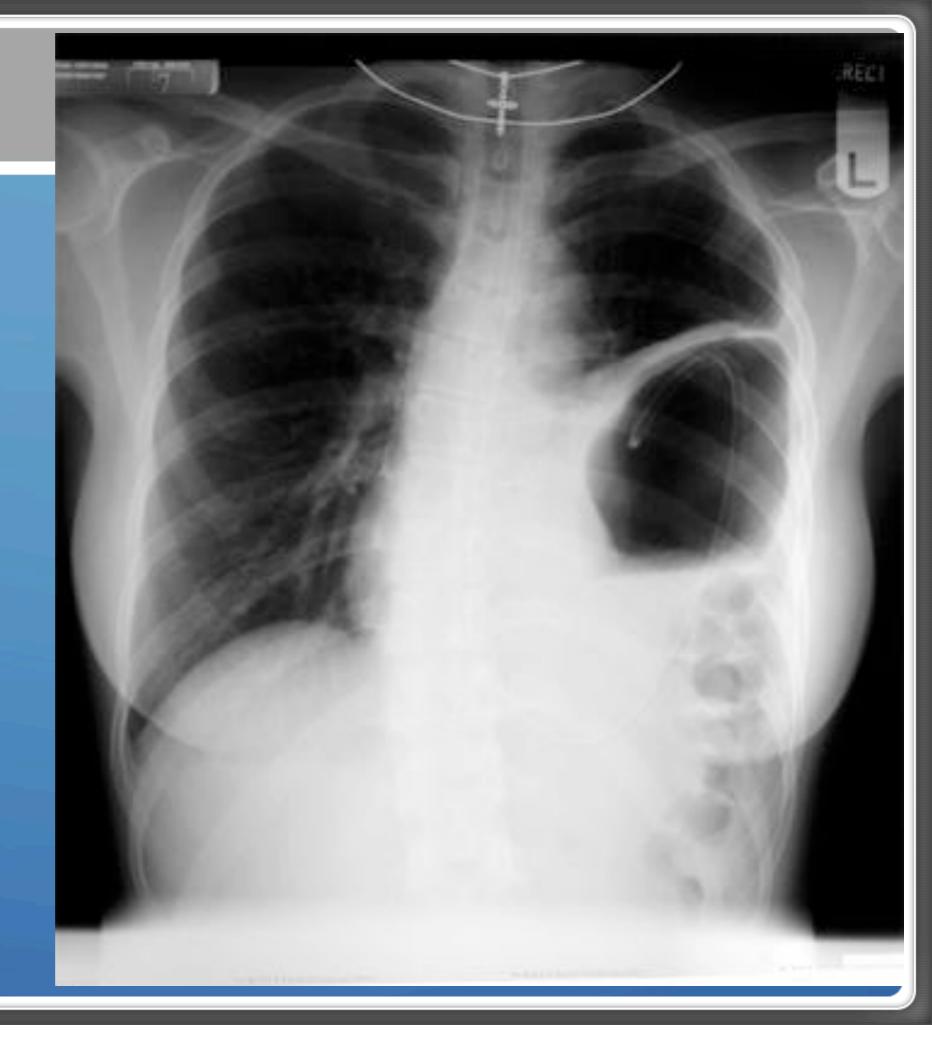
- Apices
- Look for small pneumothorac es
- Hilar/ mediastinal masses
- Rib fractures
- Effusions
- Diaphragms



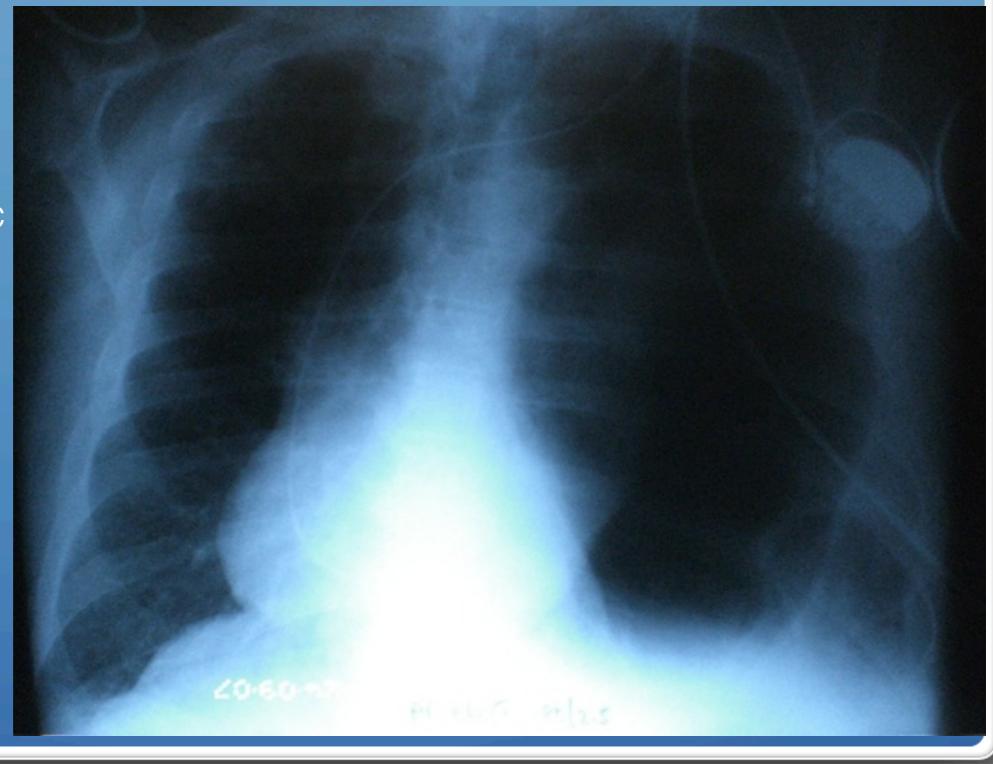
- Apices
- Look for small pneumothorac es
- Hilar/ mediastinal masses
- Rib fractures
- Effusions
- Diaphragms



- Apices
- Look for small pneumothorac es
- Hilar/mediastinalmasses
- Rib fractures
- Effusions
- Diaphragms



- Apices
- Look for small pneumothorac es
- Hilar/mediastinalmasses
- Rib fractures
- Effusions
- Diaphragms



- Look for subtle change in angles of cortex or bulges (Torus fracture)
- Look for Salter-Harris



- Look for subtle change in angles of cortex or bulges (Torus fracture)
- Look for Salter-Harris



- Look for subtle change in angles of cortex or bulges (Torus fracture)
- Look for Salter-Harris



- Look for subtle change in angles of cortex or bulges (Torus fracture)
- Look for Salter-Harris



- Look for subtle
 change in angles
 of cortex or
 bulges (Torus
 fracture)
- Look for Salter-Harris





