

Elbow joint x ray

By

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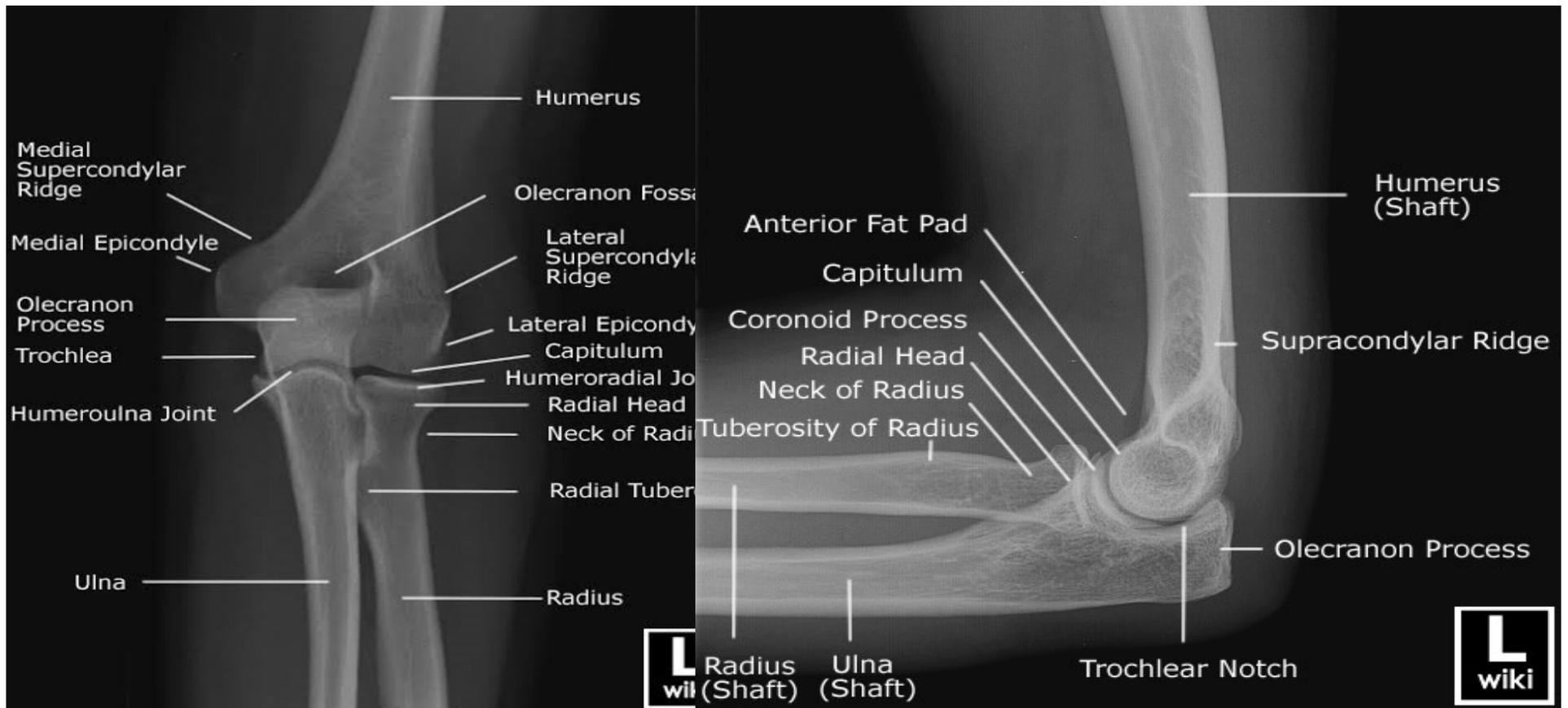
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Elbow joint x ray views

1. AP view of elbow joint.
2. Lateral view of elbow joint.
3. Axial view of elbow joint.(coyle's view)



Indications

- **trauma**
- **bony tenderness**
- **suspected fracture of the proximal radius and ulna**
- **suspected fracture of the distal humerus**
- **radial head dislocations**
- **deformity of bones.**
- **detecting joint effusions**
- **arthritis**
- **infection**

Contraindications

- **Pregnancy**

Preparation

- ◆ **Collect History from patient.**
- ◆ **Patient is asked to remove all radiopaque materials.**
- ◆ **Wear hospital gown.**
- ◆ **If female patient come to x ray , chaperone is necessary.**
- ◆ **Shielding is provided to patient.**

Positioning of elbow ap x ray

- Patient is seated on the side of x ray table, with shoulder at the level of the table.
- Forearm is fully supinated and elbow extended and is rested on the cassette.
- Wrist , elbow and shoulder joints are in straight line.
- Patient is immobilised
- Side is marked.
- Beam is collimated.



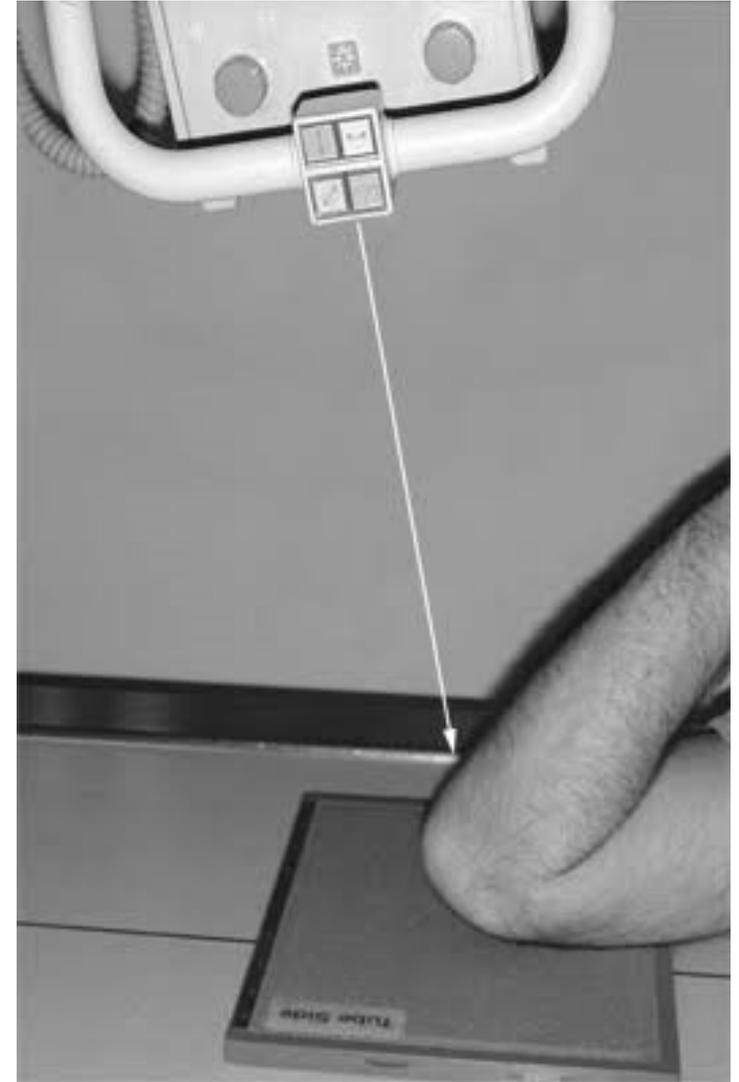
Positioning of elbow lateral x ray

- Patient is seated sideways alongside x ray table with shoulder at the level of the table.
- Elbow is flexed to 90 degrees and forearm is rotated in true lateral position with thumb uppermost.
- Medial border of elbow is rested on cassette.
- Hand and wrist are immobilised.
- Beam is collimated.



Axial view Positioning

- Patient is seated on the side of x ray table with shoulder at the level of table.
- Elbow is flexed such that hand is in contact with shoulder.
- Elbow is rested on cassette, so that arm is at level of the table
- Side is marked, beam collimated.



Centering

- 1. AP view of elbow** : it is done on midpoint of anterior aspect of elbow.
- 2. Lateral view of elbow** : it is done on lateral epicondyle of humerus.
- 3. Axial view of elbow** : it is done on back of forearm in mid line , 5 cms distal to olecranon process.

Technique

Kvp : 70

Mas : 10

Fss : small

Ffd : 100 cms.

With out grid.

Caseette size :10 "x 8"

To win big, you
sometimes have
to take big risks.

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