

Humerus x ray

By

S.S.Siva Sagar

Teaching assistant

Radiology department

Centurion University

X ray views

1.Humerus AP view

2.Humerus lateral view.



Indications

- **trauma**
- **bony tenderness at the glenohumeral joint/region**
- **restriction of abduction**
- **suspected dislocation**
- **suspected bone tumors**

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.**

Humerus AP view Positioning

- Patient is sitting or standing in front of chest stand facing the x ray tube.
- The trunk is rotated towards affected side so that humerus lies in its anatomical position which include elbow and shoulder.
- Side is marked.
- Patient is immobilised.
- Beam is collimated.



Humerus lateral view Positioning

- Patient is sitting or standing,, facing the chest stand.
- The arm is rotated and extended with elbow flexed.
- The trunk is rotated slightly away from the affected side, until lateral aspect of humerus resets on the cassette.
- The shoulder and elbow included in the radiograph.
- Patient is immobilised and beam is collimated.



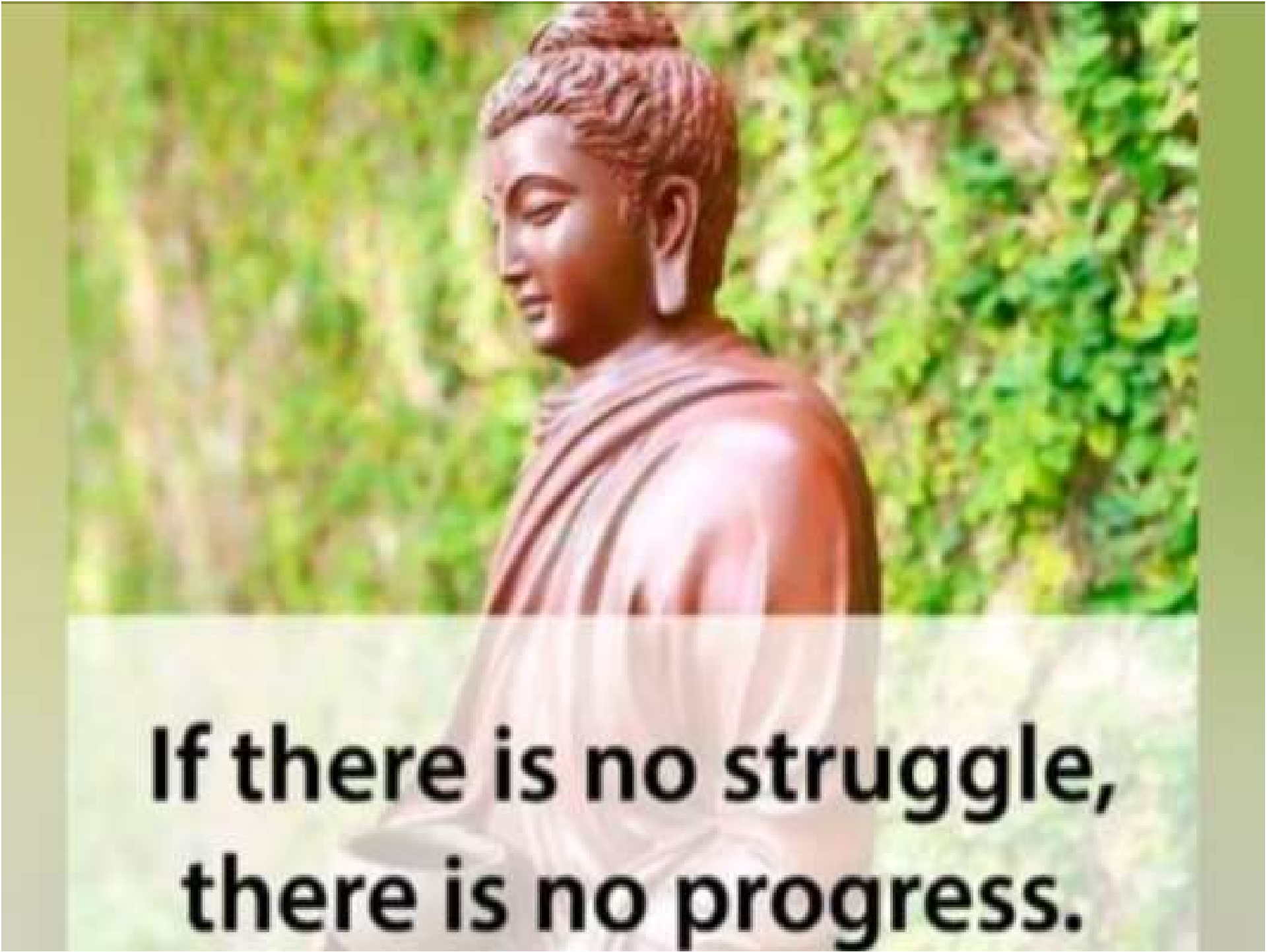
Centering

AP view of humerus : It is done on anterior aspect of arm , midway between shoulder and elbow.

Lateral view of humerus: On the medial aspect of humerus, midway between shoulder and elbow.

Technique

- **Kvp : 60**
- **Mas : 10**
- **Fss : small**
- **Ffd : 100 cms.**
- **With out grid.**
- **Caseette size :10 “x 8”**



**If there is no struggle,
there is no progress.**