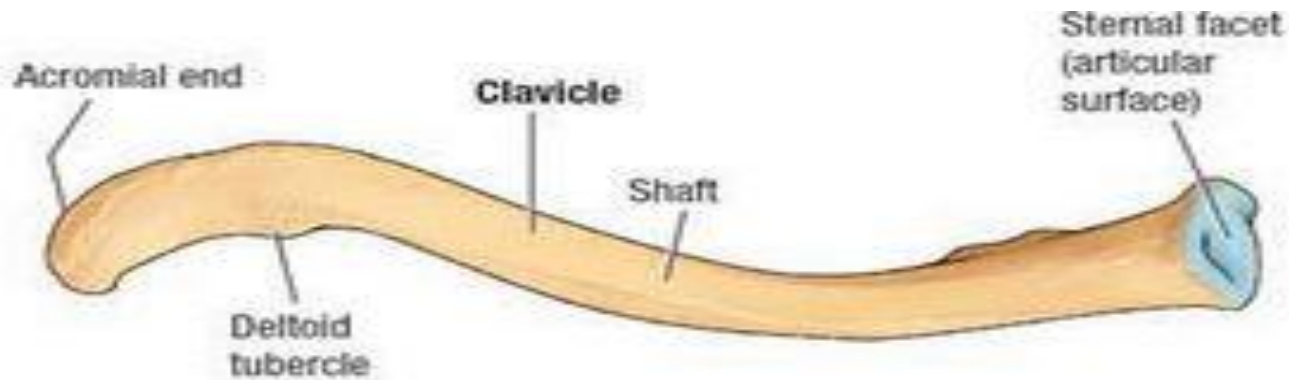
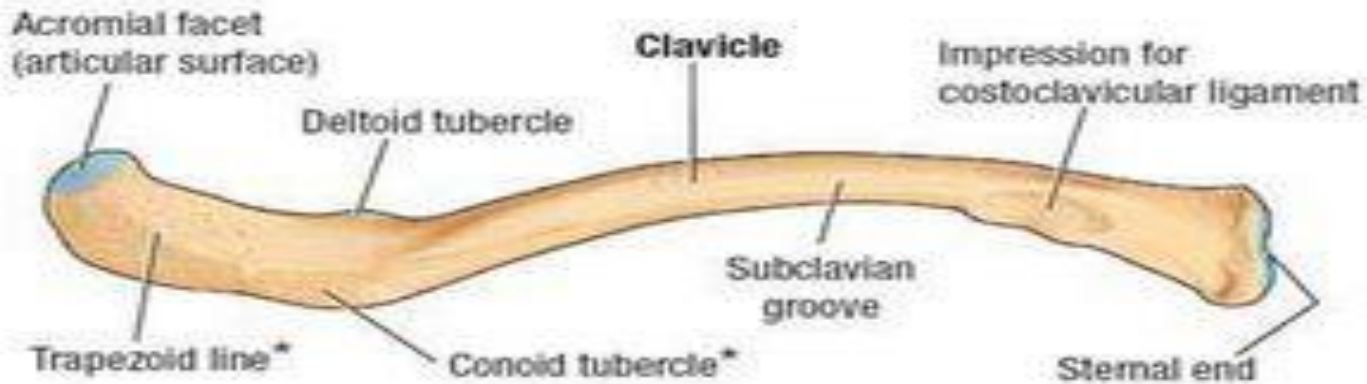


# ANATOMY OF CLAVICLE



**A. Superior Surface**



**B. Inferior Surface**

\*Tuberosity for coracoclavicular ligament

## ◎ BASIC VIEWS

- Antero posterior
- Postero anterior

## ◎ SPECIAL VIEWS

- Inferio superior-axial view

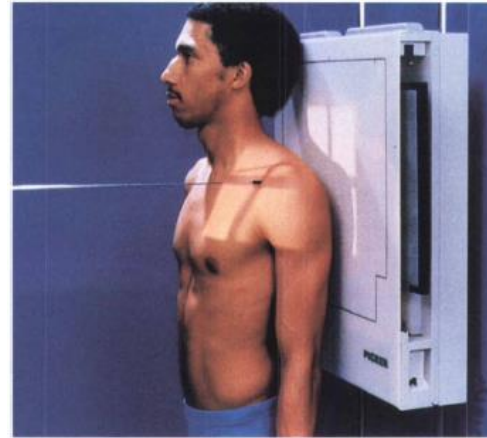
# ANTERIO POSTERIOR

## □ INDICATION

- ⊙ Fracture
- ⊙ Dislocation

## □ POSITION

- ⊙ The patient is supine on the table with the arms at side.
- ⊙ The posterior aspect of shoulder should be in contact with the IR.
- ⊙ No rotation of body.
- ⊙ Center clavicle and IR to CR.



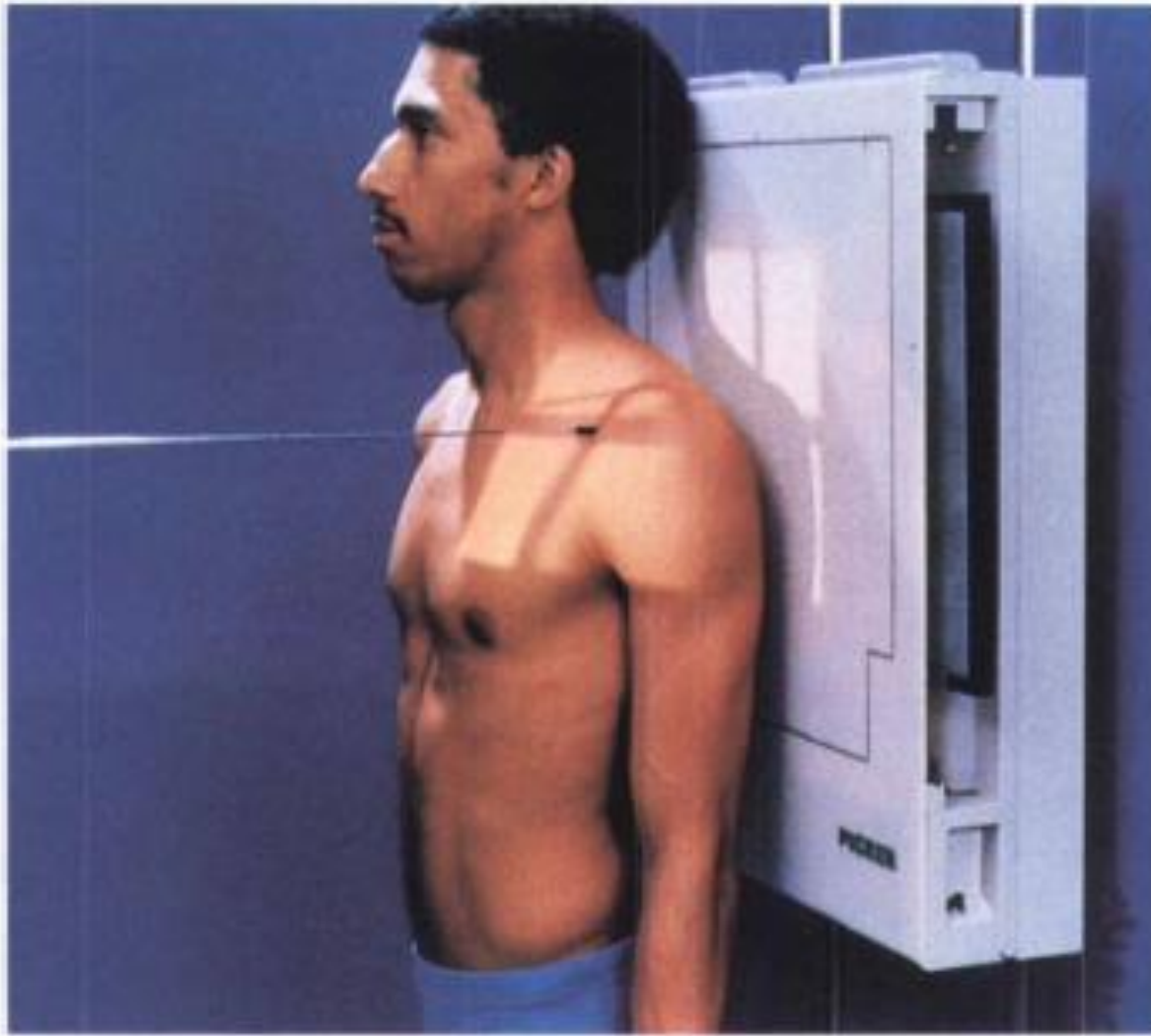
- ⦿ **CENTER RAY**

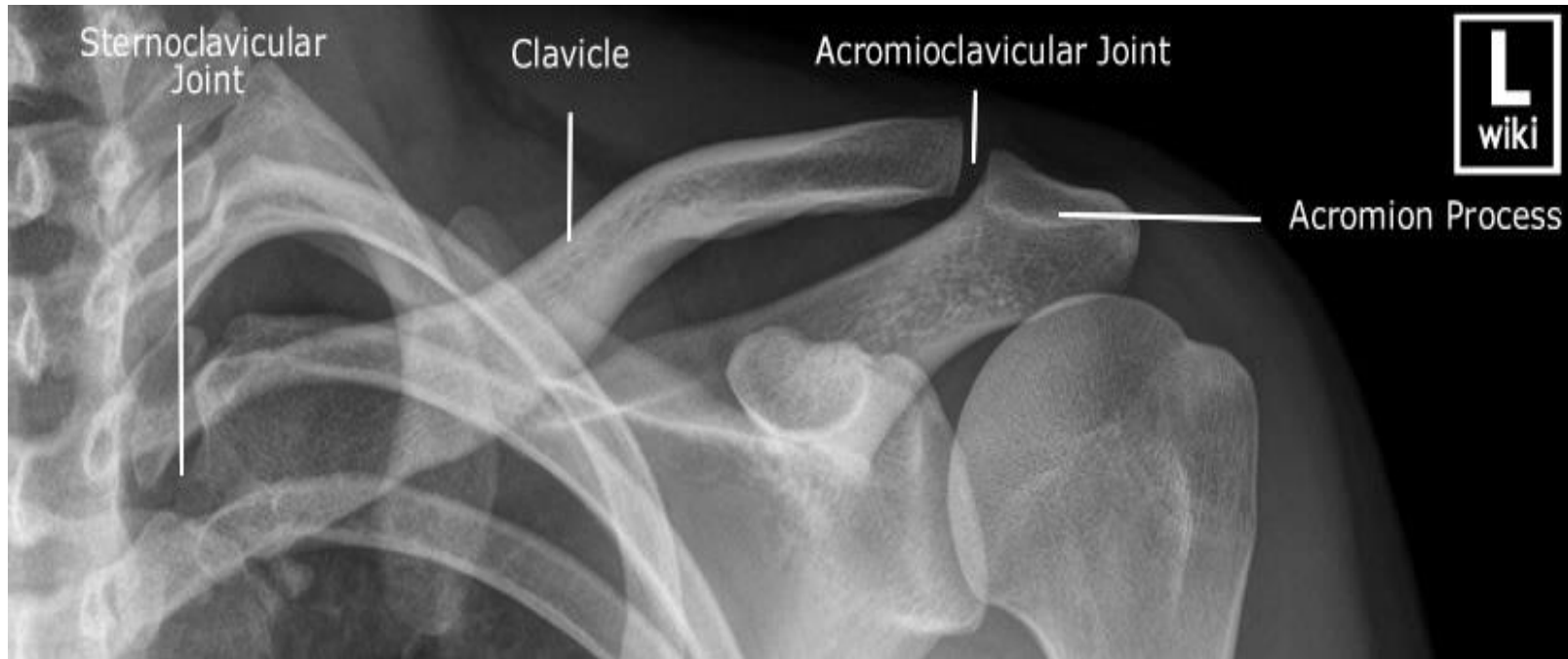
- ⦿ CR perpendicular to Mid clavicle.

- ⦿ **EVALUATION CRITERIA**

- ⦿ Entire clavicle
- ⦿ Acromio clavicular joint
- ⦿ Sterno clavicular joint
- ⦿ No rotation of clavicle.

# Clavicle antero posterior view





# POSTERIO ANTERIOR



- The patient sits or stands facing an erect cassette holder.
- The position is adjusted that the middle of clavicle is in center of the cassette.
- The patient's head is turned away from the side being examined.
- The affected shoulder is rotated slightly forward to allow the clavicle in close contact with the cassette.

## ◎ **CENTER RAY**

- ◎ To the mid clavicle.

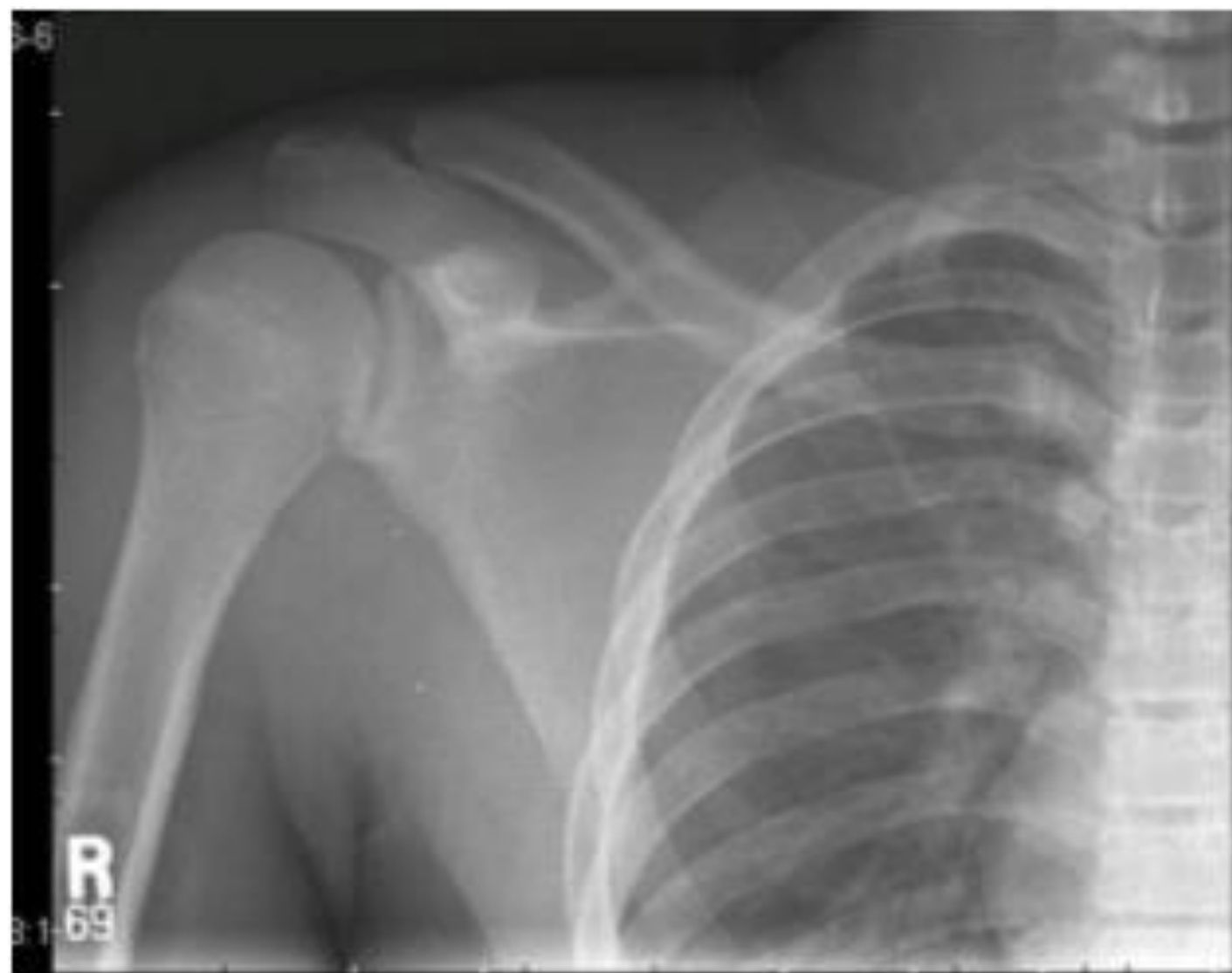
## ◎ **EVALUATION CRITERIA**

- ◎ Entire length of clavicle.
- ◎ The lateral end of clavicle will be clear of the thoracic cage.
- ◎ No foreshortening of clavicle.



# Clavicle postero anterior view





# AXIAL INFERIO SUPERIOR



- The patients sits facing the x ray tube with the cassette placed cassette holder.
- Some holders allow 15 degrees angulation towards the shoulder.
- This reduces the distortion caused by the cranial angulation.
- The unaffected shoulder is raised slightly to bring the scapula in contact.
- The patient's head is turned away.

## ◎ **CENTER RAY**

- ◎ The center ray is angled 30 degrees cranially.
- ◎ Centered to the mid clavicle.
- ◎ The 30 degrees is needed to separate the clavicle.
- ◎ The medial end of clavicle can be shown in good detail by adding 15 degrees lateral angulation.

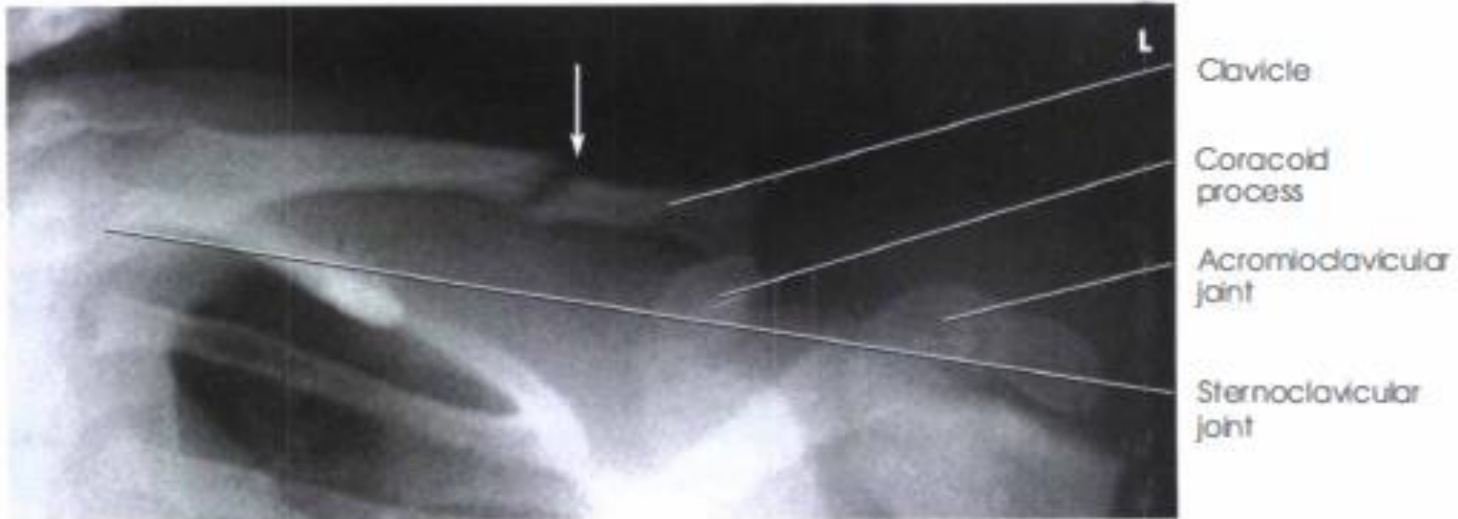
## ◎ **EVALUATION CRITERIA**

- ◎ Entire length of clavicle.
- ◎ No foreshortening.

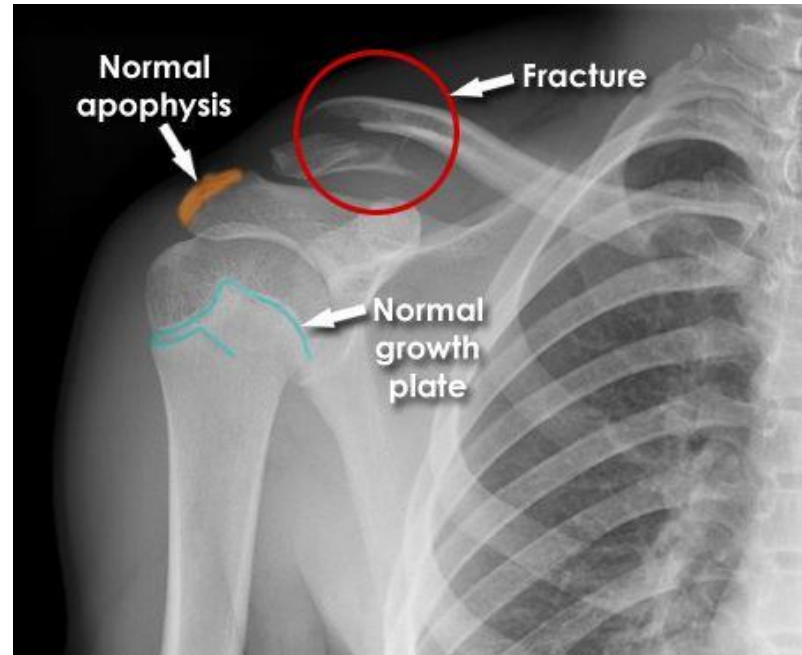
# Clavicle axial view-inferio superior



[http://radiologymasterclass.co.uk/tutorials/musculoskeletal/x-ray\\_trauma\\_upper\\_limb/glenohumeral\\_joint\\_x-ray.html](http://radiologymasterclass.co.uk/tutorials/musculoskeletal/x-ray_trauma_upper_limb/glenohumeral_joint_x-ray.html)



Clavicle fracture - Displaced



Shoulder - Anterior dislocation/glenoid fracture - AP



Shoulder - Anterior dislocation/glenoid fracture - AP

