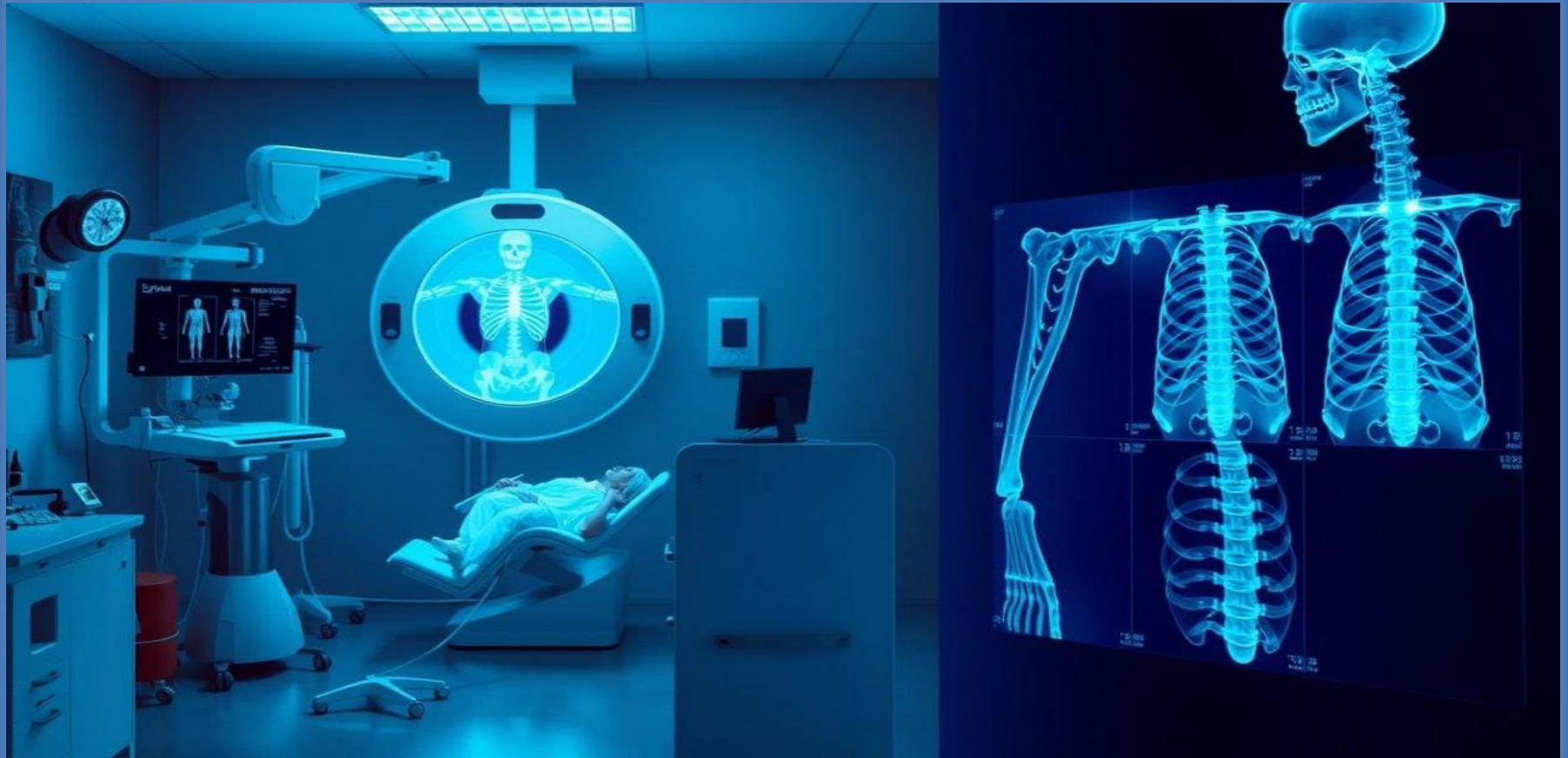


X-ray imaging positions

Lecture:2



Bsc . Mohammed Jamal

What are the upper limbs and lower limbs of the human body?

- **Upper limbs:**

- **Shoulder**

- **Arm**

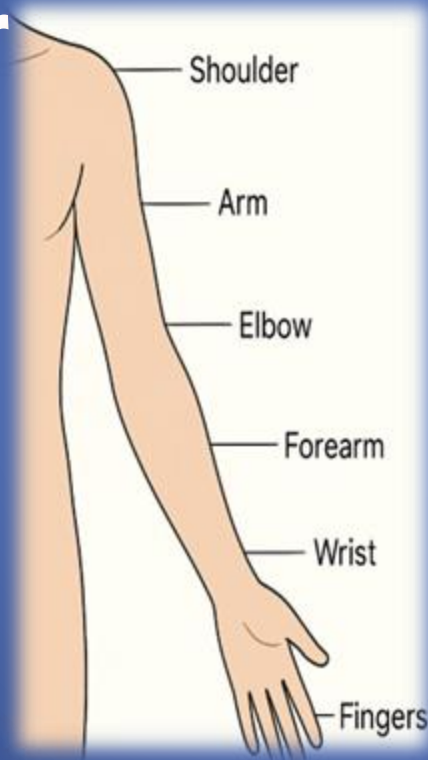
- **Elbow**

- **Forearm**

- **Wrist**

- **Hand**

- **Fingers**



- **Lower limbs:**

- **Hip**

- **Thigh**

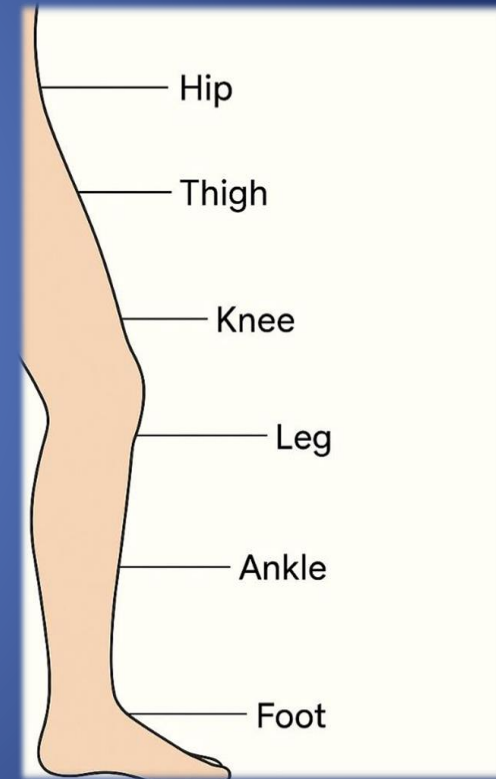
- **Knee**

- **Leg**

- **Ankle**

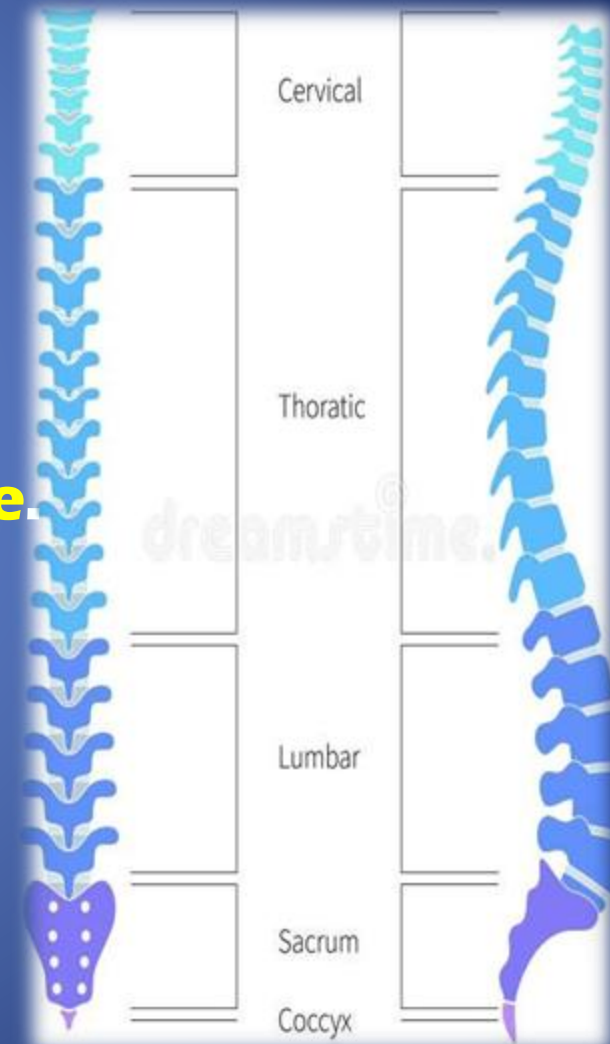
- **Foot**

- **Toes**



What are the types of vertebrae in the human spine?

- 1- Cervical vertebrae— **7 vertebrae.**
- 2- Thoracic vertebrae— **12 vertebrae.**
- 3- Lumbar vertebrae— **5 vertebrae.**
- 4- Sacral vertebrae— **5 vertebrae.**
- 5- Coccygeal vertebrae— **4 to 5 vertebrae.**



Basic X-ray Positions

1-Anteroposterior (AP) .

2-Posteroanterior (PA) .

3- Lateral .

4-Oblique .

5-Decubitus .

6-Supine .

7-Prone .

8- Erect .

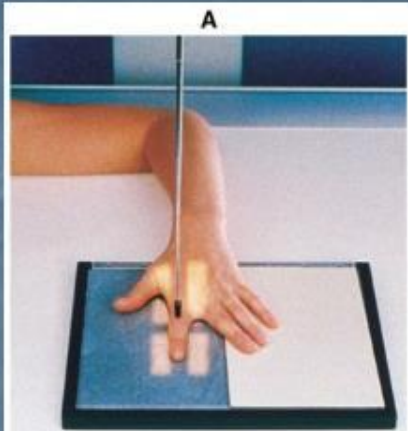
9- Flexion.

10-Extension .

- **Anteroposterior (AP) View – X-rays** pass from front to back, with the patient's back against the detector.
- **Posteroanterior (PA) View – X-rays** pass from back to front, with the patient's chest against the detector.
- **Lateral View – X-rays** are taken from the side, with the body positioned laterally to the detector.
- **Oblique View** – The body is angled between the AP and lateral positions.
- **Decubitus View** – The patient is lying on their side during imaging.
- **Supine View** – The patient is lying on their back.
- **Prone View** – The patient is lying on their stomach.
- **Erect View** – The patient is standing or sitting in an erect position.
- **Flexion & Extension Views** –
asked to bend forward (**Flexion**).
Asked to backward (**Extension**) .

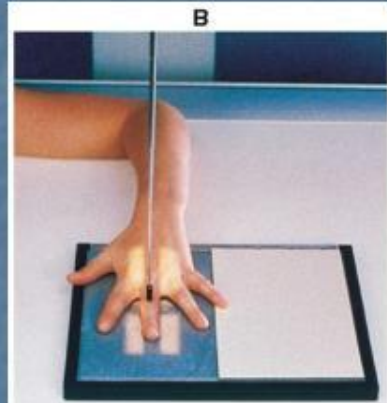
Fingers

PA



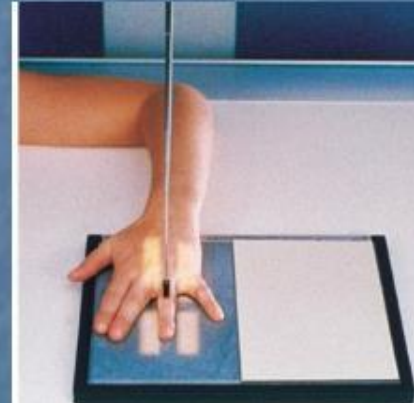
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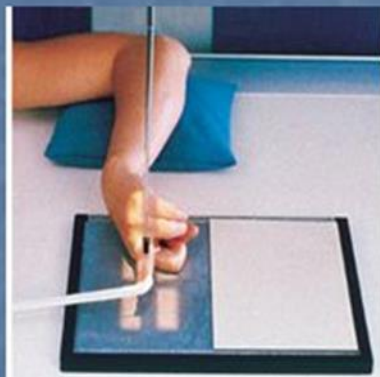
Fifth Digit

Lateral



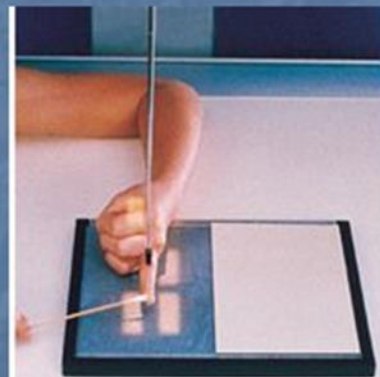
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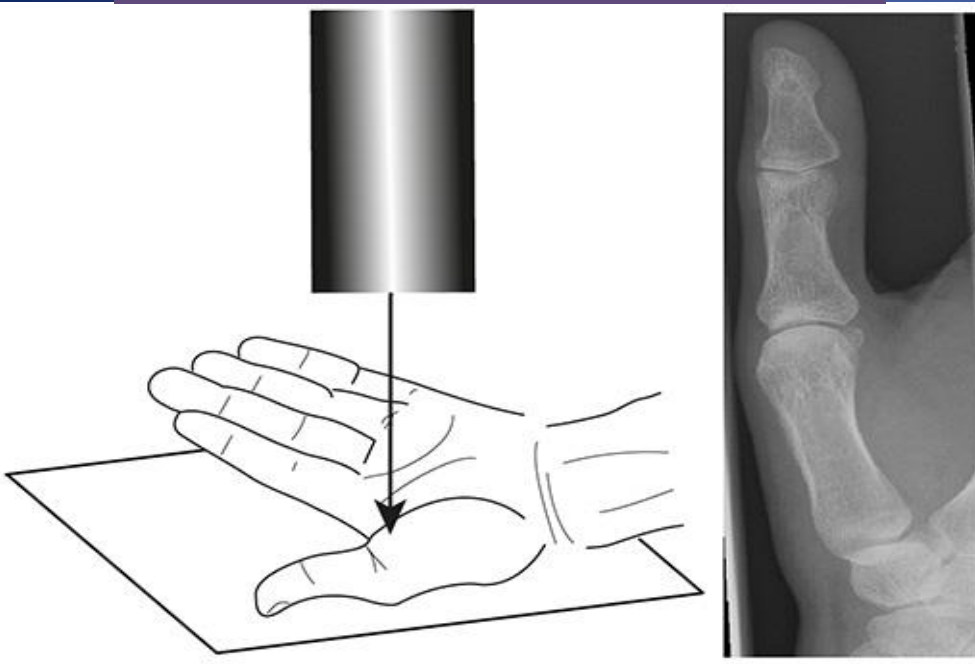
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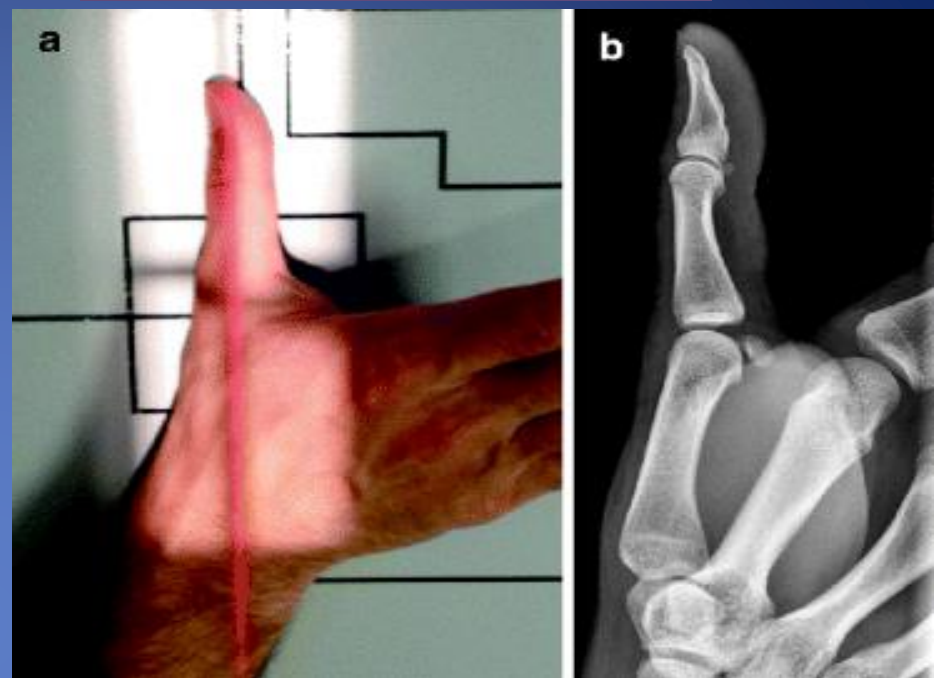
PA Oblique-Lateral Rotation



Thumb _ AP view



Thumb _ lateral view



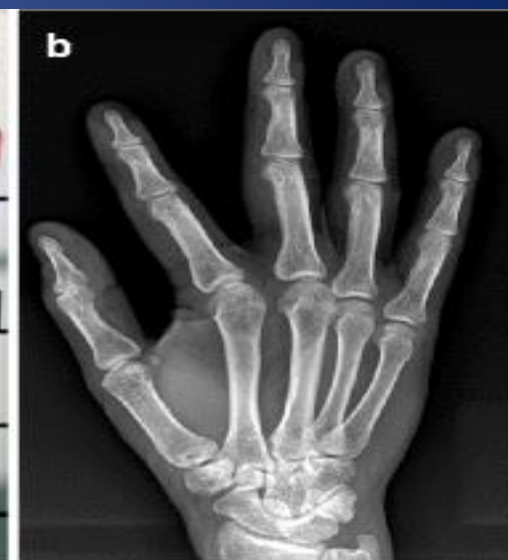
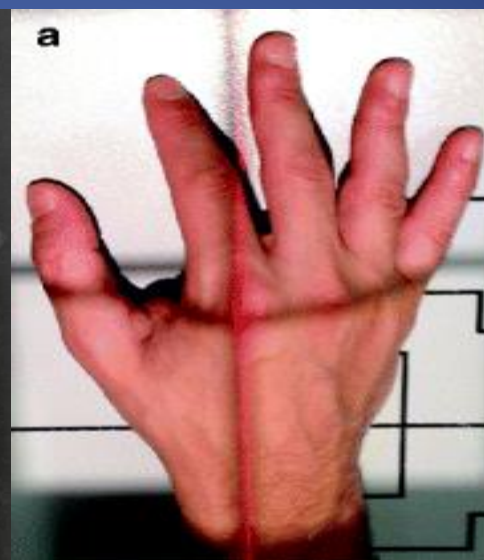
Thumb _ PA view



Hand _ PA projection



Hand _ PA oblique projection



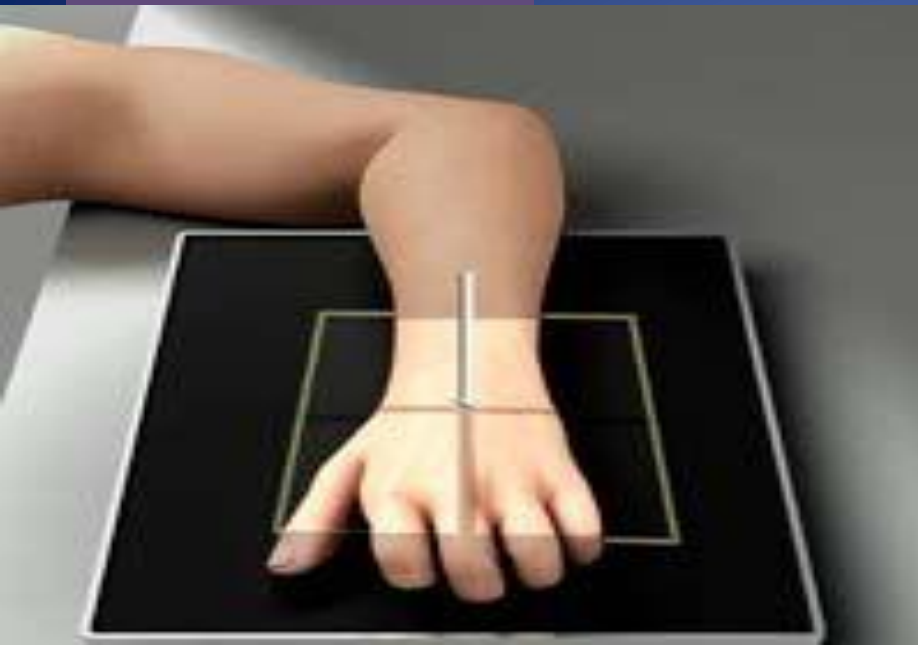
Lateral view of hand



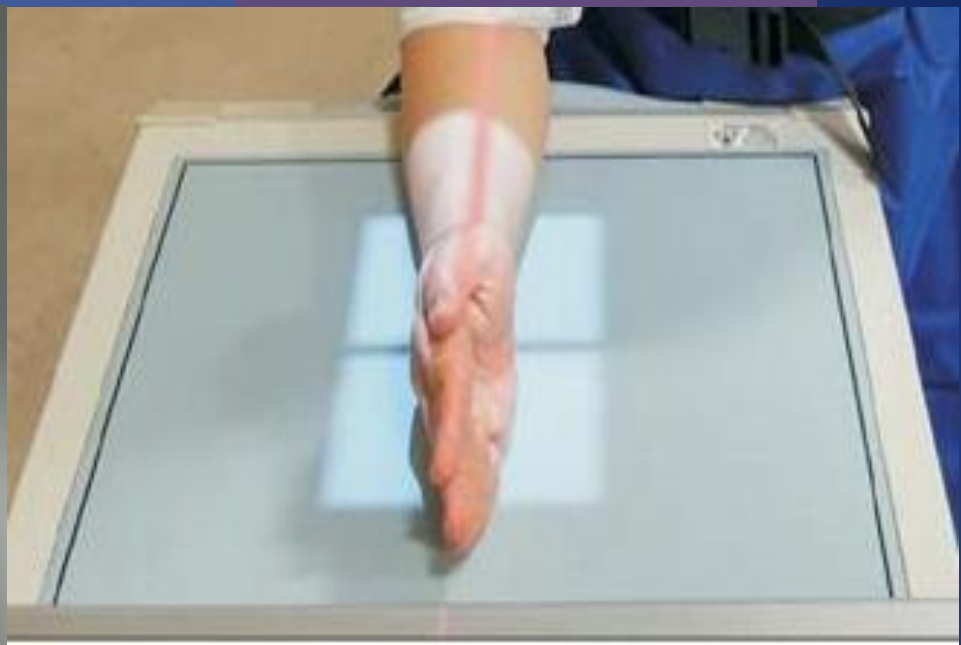
Hand lateral (fan)



PA view of wrist



Lateral view of wrist



Forearm AP view



forearm lateral view



Elbow AP view

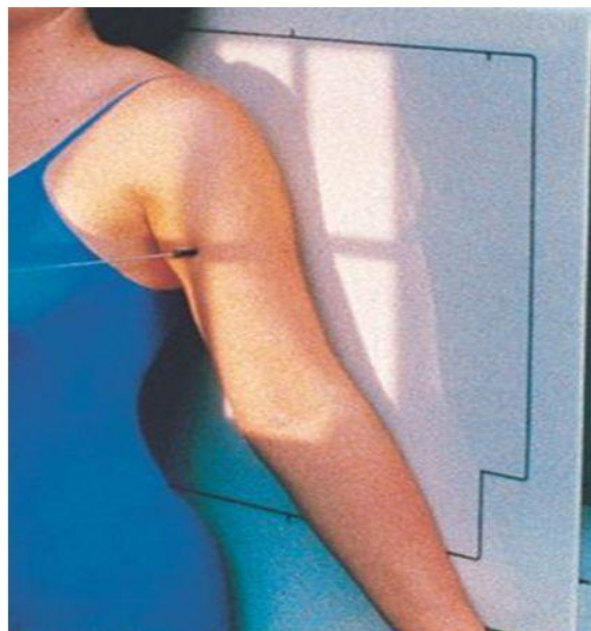


Elbow lateral view

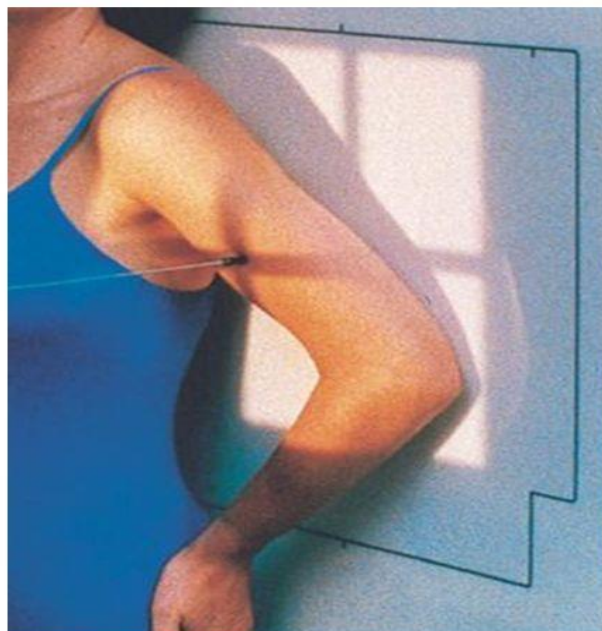


Humerus AP & Lateral views (erect)

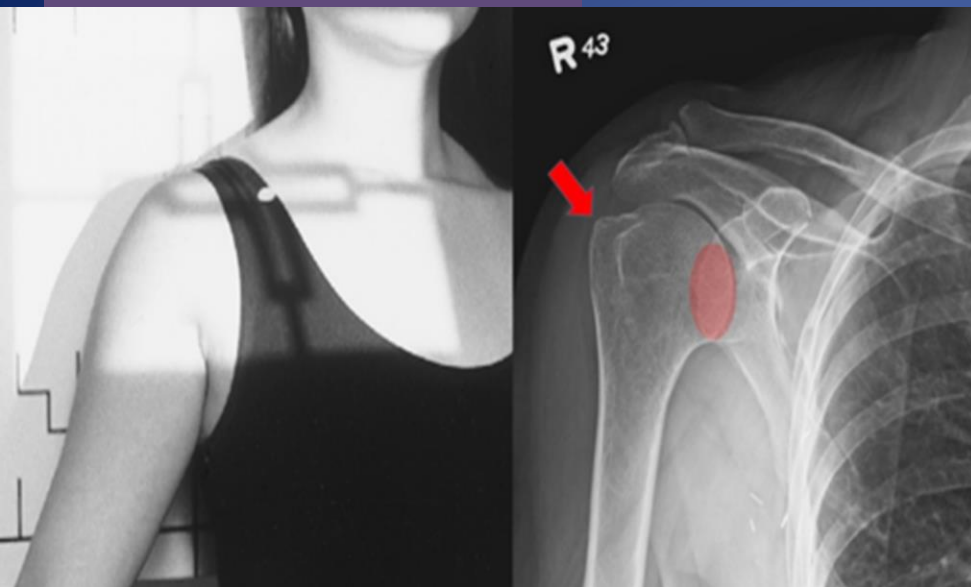
AP



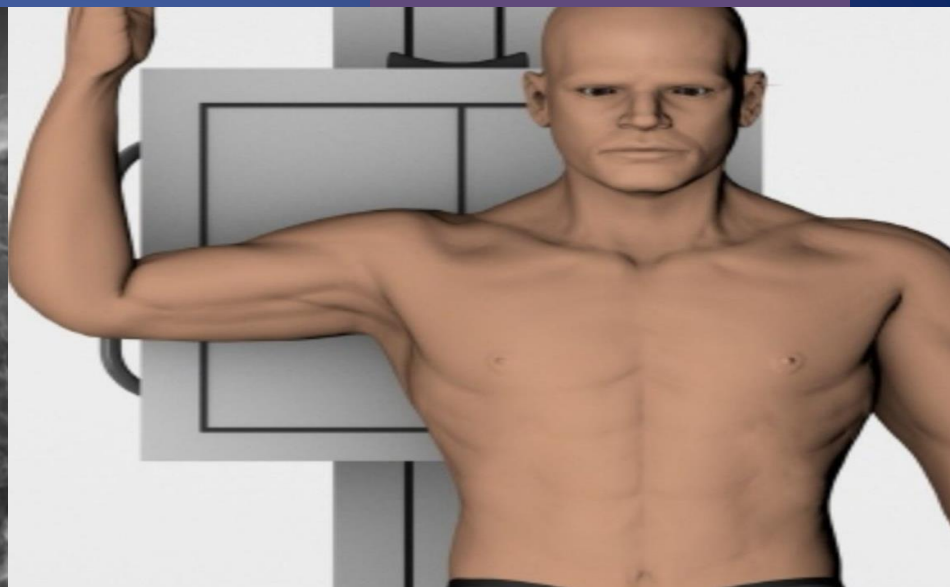
Lateral



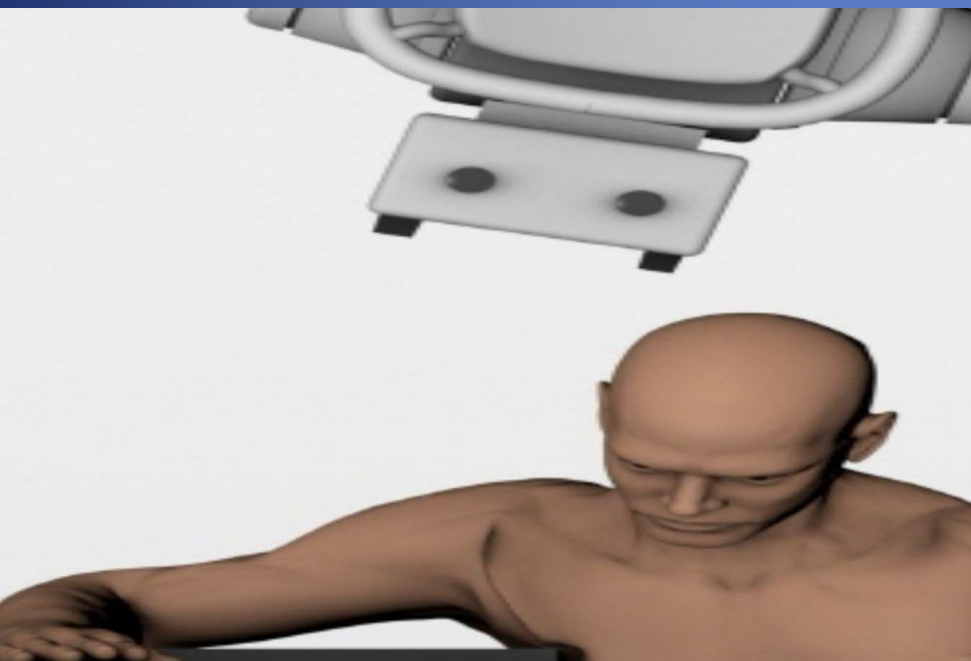
Shoulder AP view



Shoulder lateral



Shoulder Axial



AP Scapula



Foot :AP



Foot : Lateral



Foot : Oblique



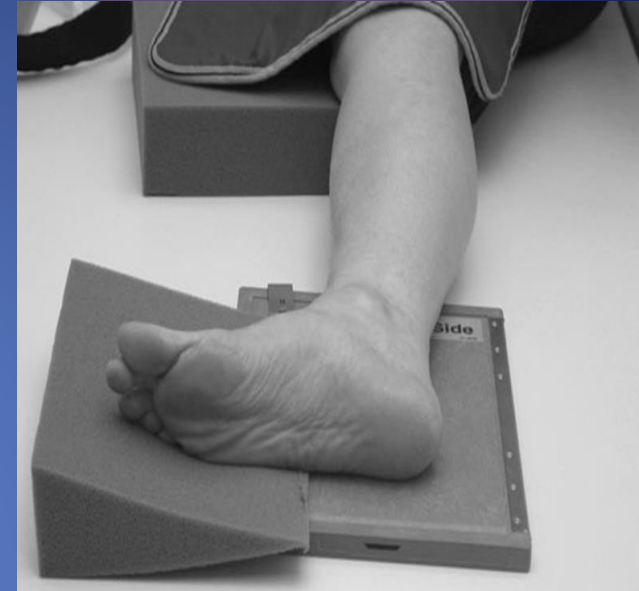
AP: Ankle



Ankle : Oblique



Ankle : Lateral



Leg (Tibia-Fibula): AP



Lateral Leg (Tibia-Fibula)



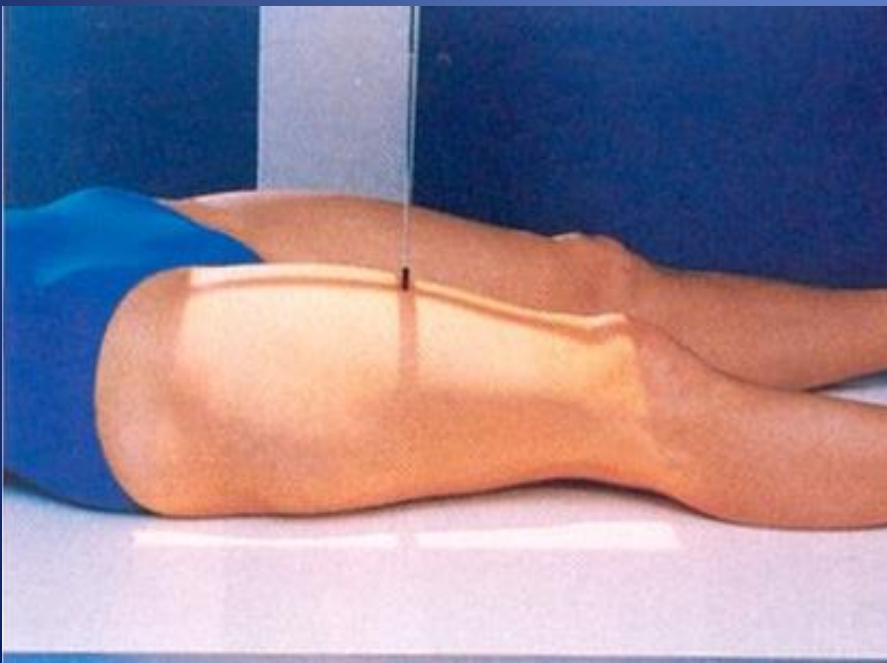
Knee : AP



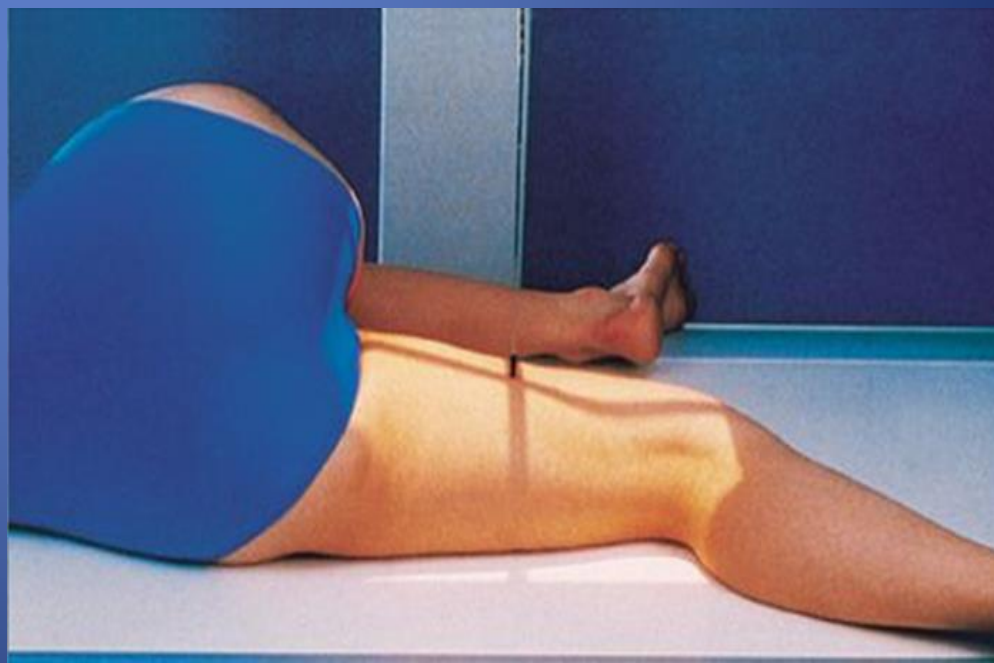
Knee : Lateral



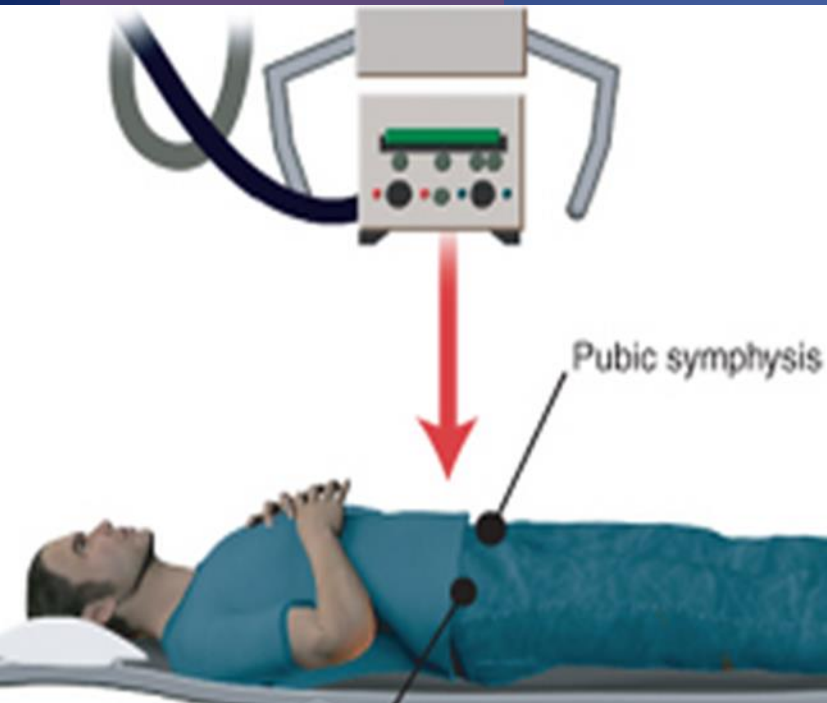
Femur: AP



Femur: Lateral



Hip : AP



Hip : Lateral

