



Radiology MSK



Vertebrae

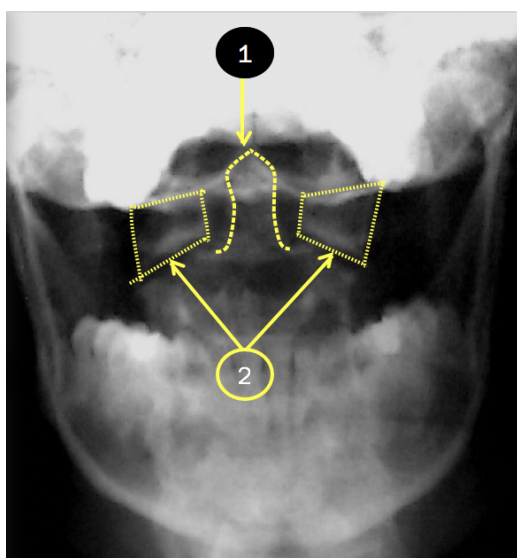
The vertebrae are composed of 24 single vertebrae divided into:

- 7 cervical
- 12 thoracic
- 5 lumbar

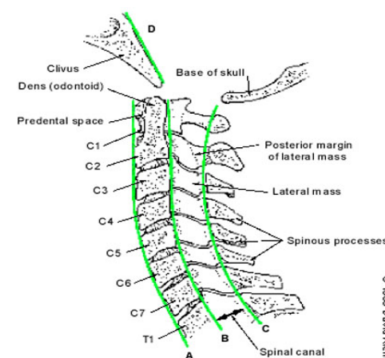
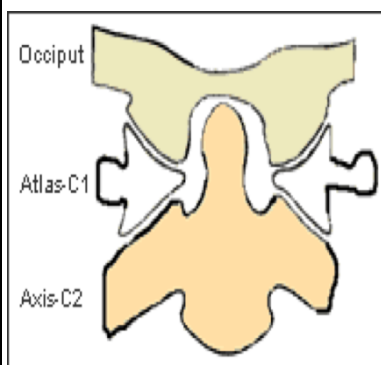
X-rays

Cervical Spine:

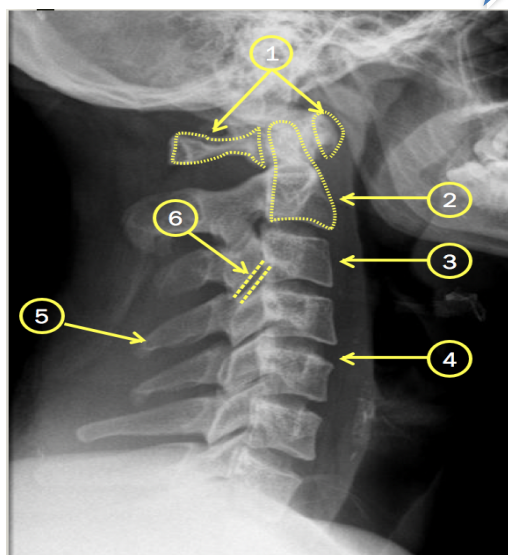
1. C1 (Atlas) & C2 (Axis):



1. Odontoid process (part of the axis)
2. Atlas (C1)



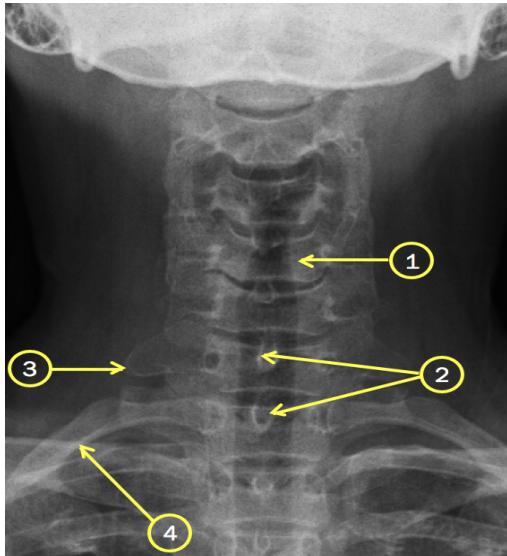
2. C3-C7



Coronal

1. C1
2. C2
3. C3
4. Intervertebral disc
5. Spinous process (C4)
6. Facet joint

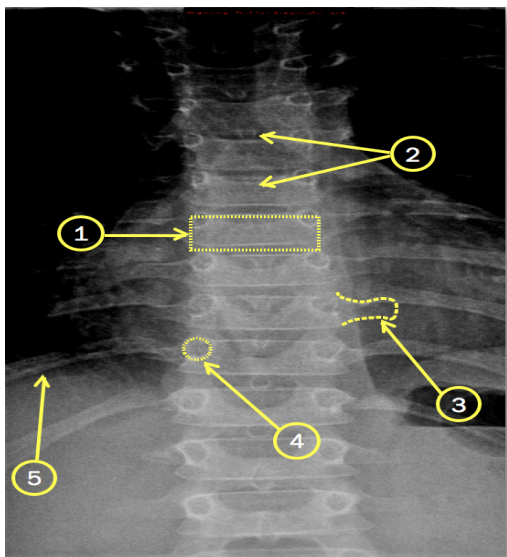
Sagittal



1. Vertebral body C5
2. Spinous process
3. Transverse process
4. First rib

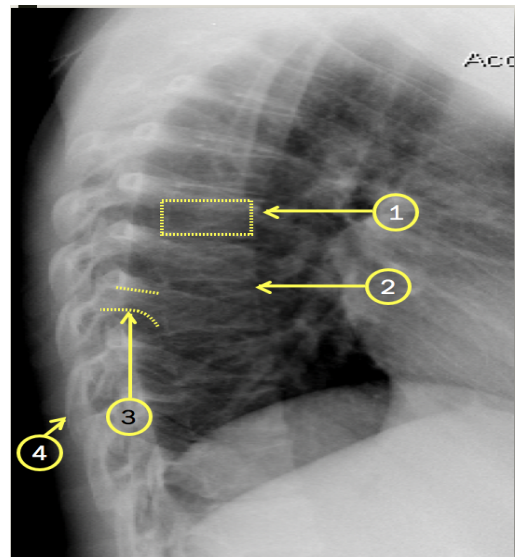
Coronal

Thoracic Spine:



1. Vertebral body
2. Spinous process
3. Transverse process
4. Pedicle
5. Rib

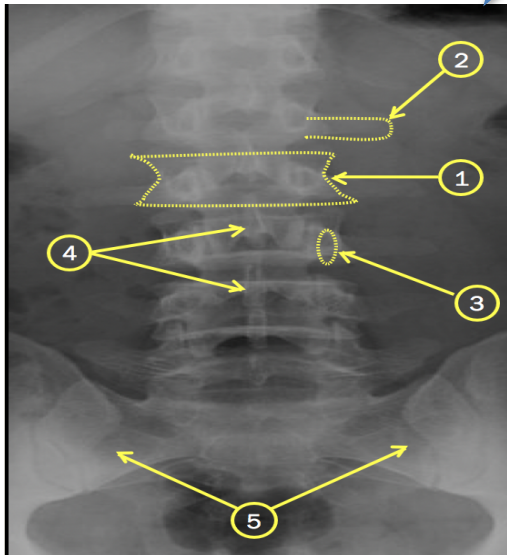
Coronal



1. Vertebral body
2. Intervertebral disc
3. Pedicle
4. Rib

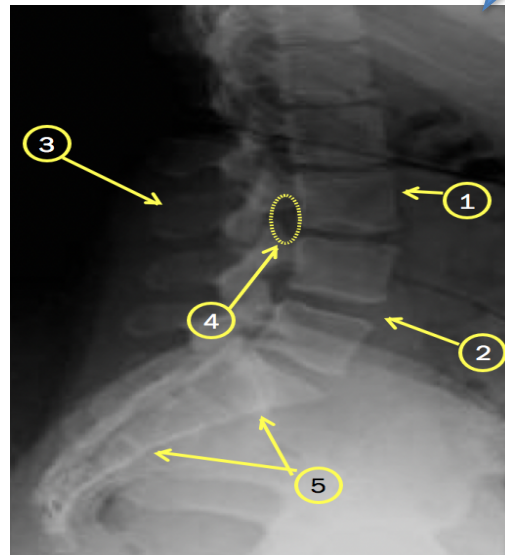
Sagittal

Lumbar Spine:



- 1. Vertebral body
- 2. Transverse process
- 3. Pedicle
- 4. Spinous process
- 5. Sacrum

Coronal

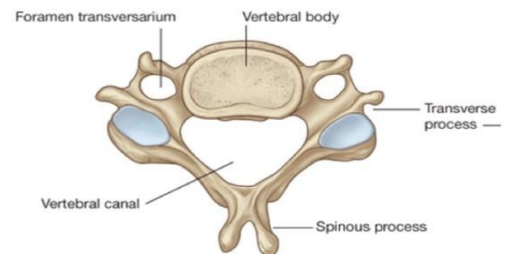
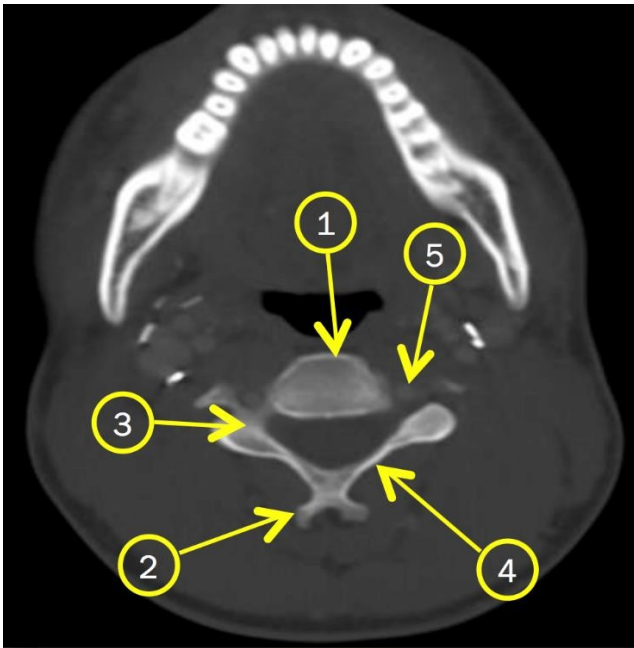


- 1. Vertebral body (L3)
- 2. Intervertebral disc
- 3. Spinous process
- 4. Neural foramen
- 5. Sacrum

Sagittal

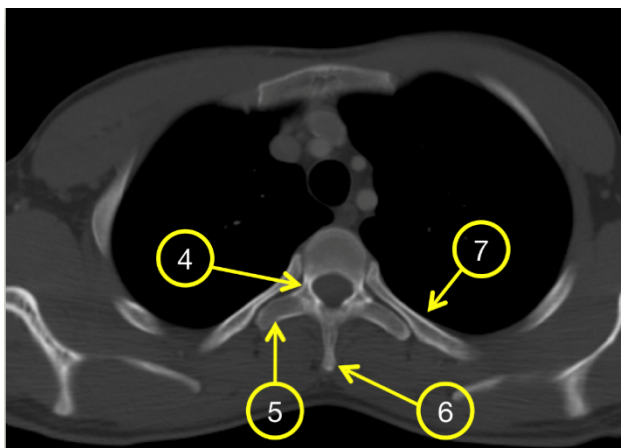
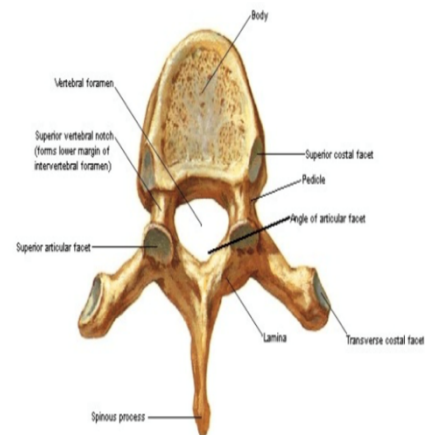
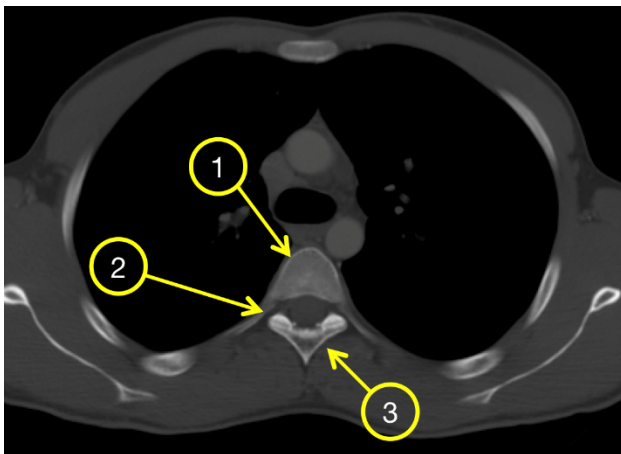
CT Scan

Cervical spine:



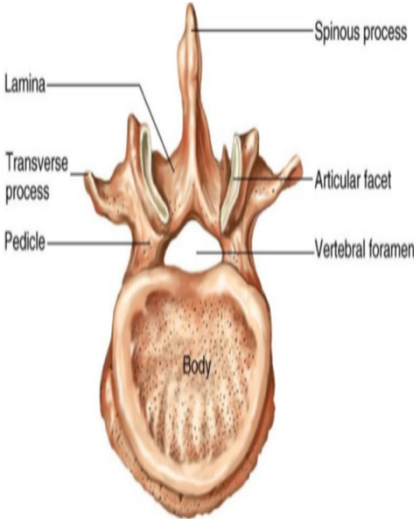
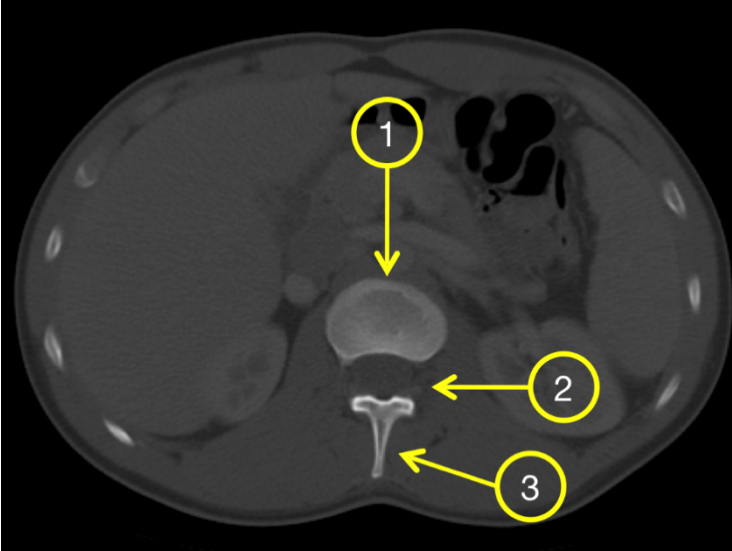
1. Vertebral body
2. Spinous process
3. Pedicle
4. Lamina
5. Transverse foramen

Thoracic spine:

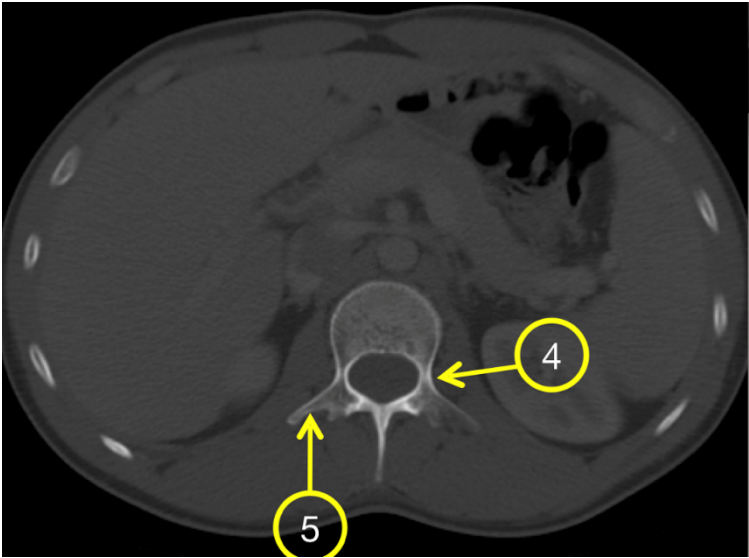


1. Vertebral body
2. Neural foramen
3. Lamina
4. Pedicle
5. Transverse process
6. Spinous process
7. Rib

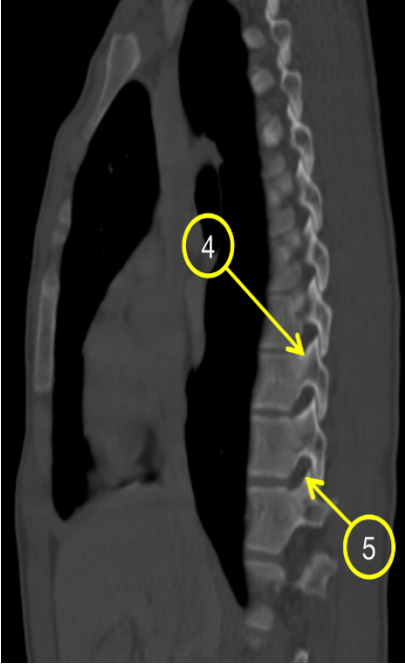
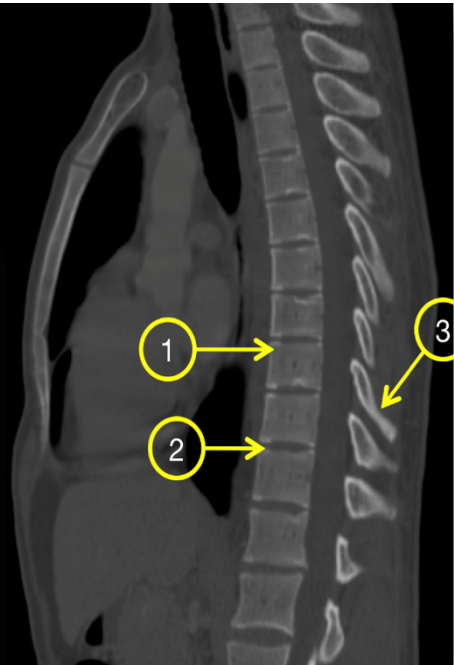
Lumbar spine:



1. Vertebral body
2. Neural foramen
3. Spinous process
4. Pedicle
5. Transverse process

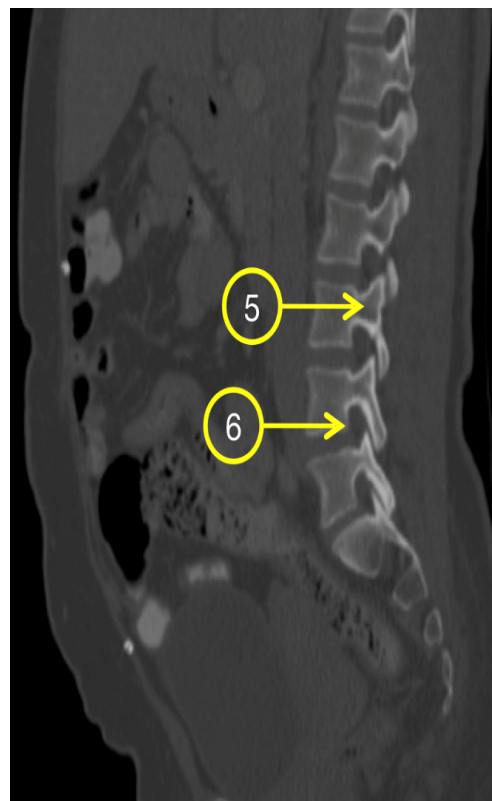
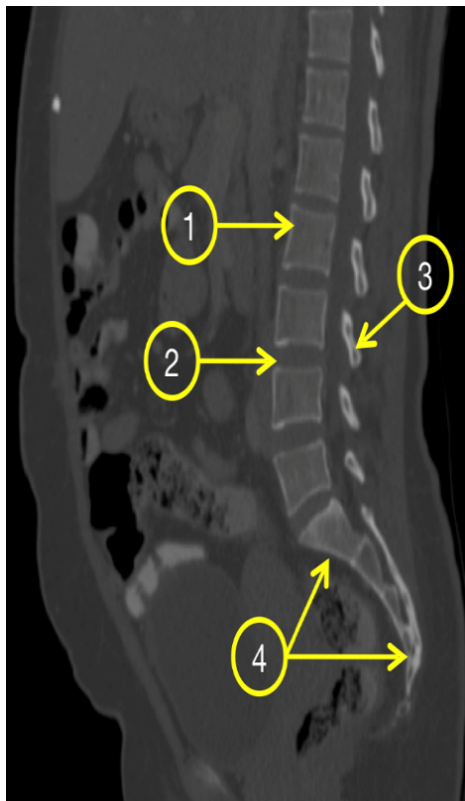


Dorsal spine:



1. Vertebral body
2. Intervertebral disc
3. Spinous process
4. Pedicle
5. Neural foramen

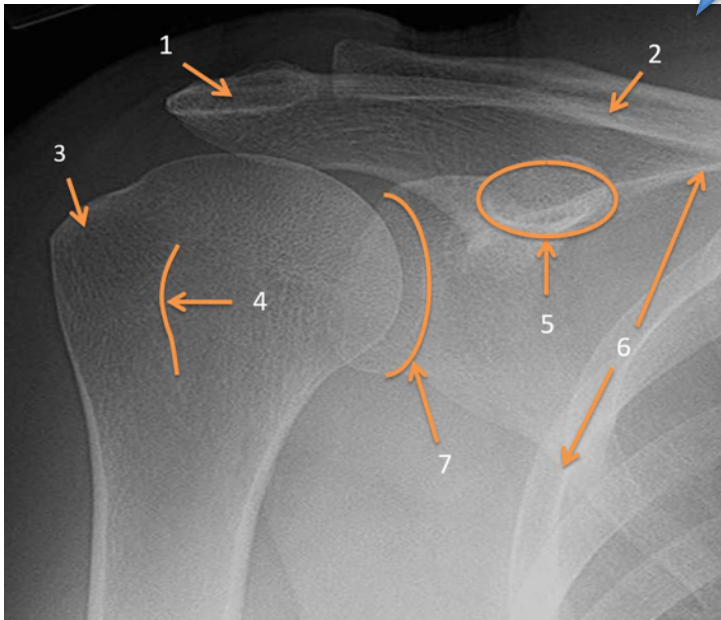
Lumbosacral spine:



1. Vertebral body
2. Intervertebral disc
3. Spinous process
4. Sacrum
5. Pedicle
6. Neural foramen

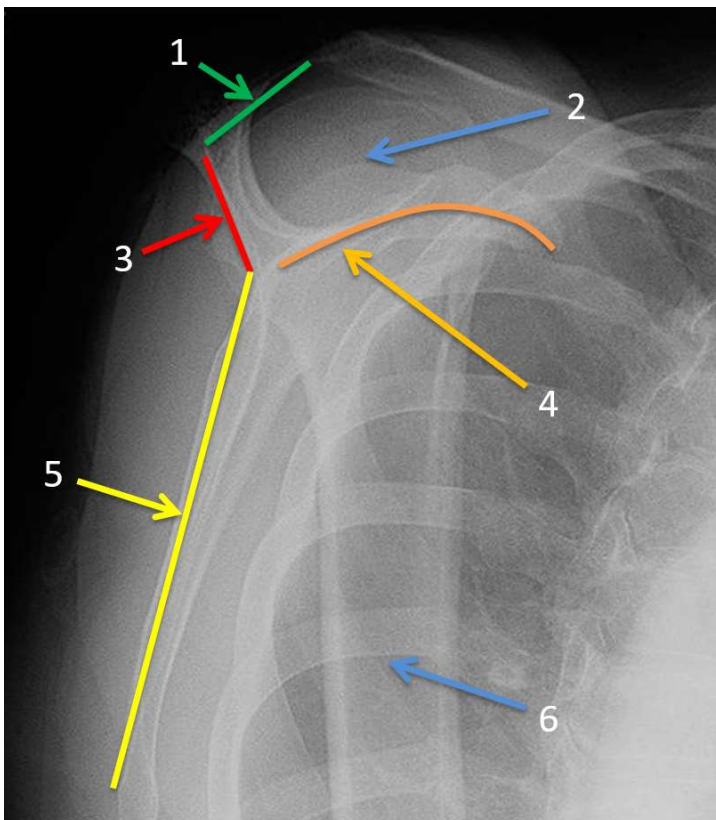
Shoulder

X-ray



1. Acromion
2. Clavicle
3. Greater tubercle
4. Lesser tubercle
5. Coracoid
6. Scapula
7. Glenoid

Anterior

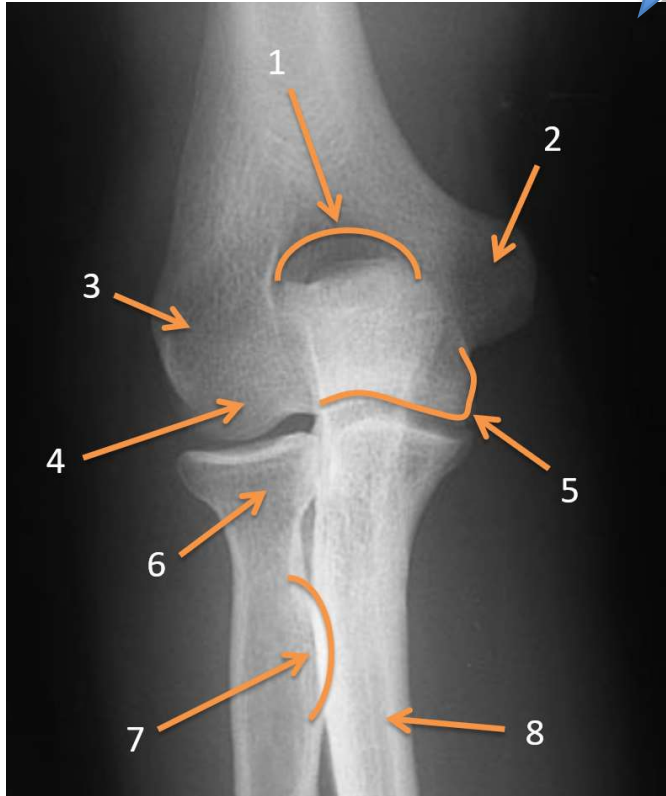


1. Acromion
2. Glenoid
3. Spine
4. Coracoid
5. Scapula
6. Humorous shaft

Y-view (side)

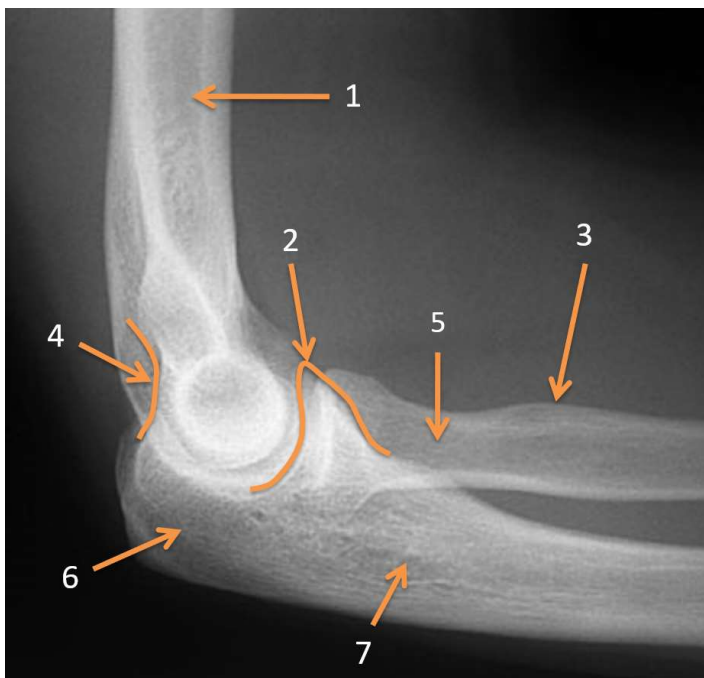
Elbow

X-ray



1. Olecranon fossa
2. Medial epicondyle
3. Lateral epicondyle
4. Capitulum
5. Trochlea
6. Radial head
7. Radial tuberosity
8. Ulna

Anterior - extended



1. Humerus
2. Coronoid process
3. Radial tuberosity
4. Olecranon fossa
5. Radial head
6. Olecranon (process)
7. Ulna

Lateral - flexed

Hand

X-ray



1. Distal interphalanx joint
2. Proximal interphalanx joint
3. Metacarpophalangeal joint
4. Distal phalanx
5. Middle phalanx
6. Proximal phalanx

Anterior



1. Hook of hamate
2. Pisiform
3. Styloid process of ulna

Anterior



Child



Adult



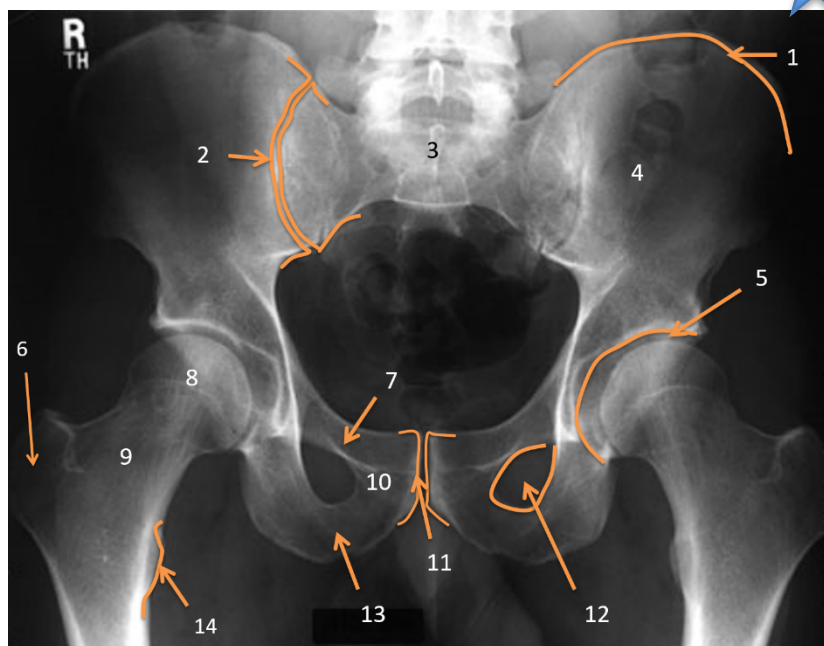
Child



Adult

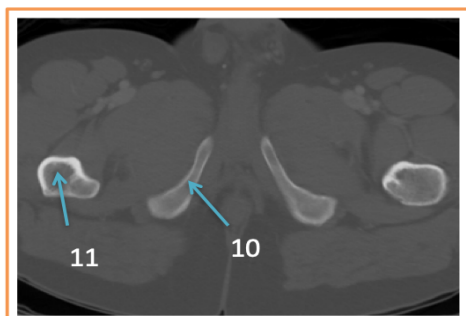
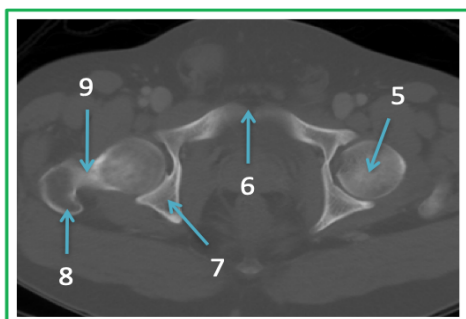
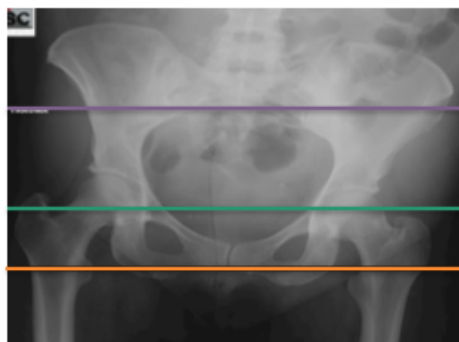
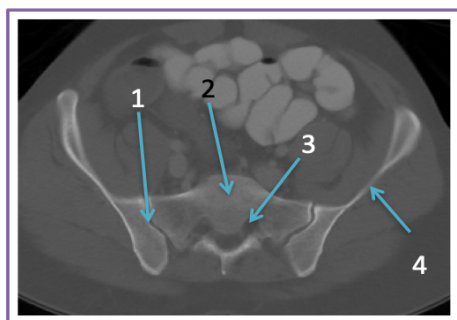
Pelvis

X-ray



1. Iliac crest
2. Sacroiliac joint
3. Sacrum
4. Iliac bone
5. Acetabulum
6. Greater trochanter
7. Superior pubic ramus
8. Head of femur
9. Neck of femur
10. Pubic body
11. Symphysis pubis
12. Obturator canal
13. Inferior pubic ramus
14. Lesser trochanter

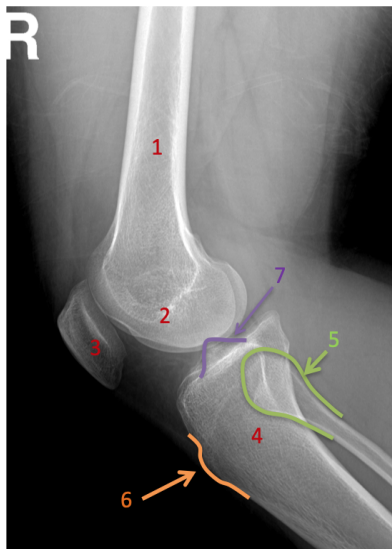
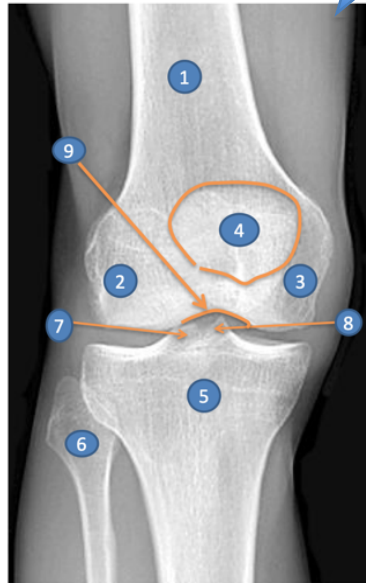
CT scan



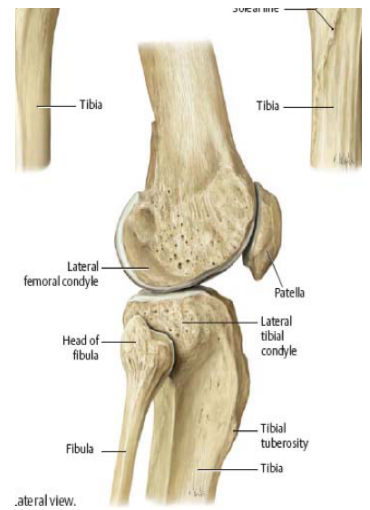
1. Sacroiliac joint
2. Scrum
3. Sacral neural foramen
4. Iliac bone
5. Femur head
6. Symphysis pubis
7. Ischium
8. Greater trochanter
9. Femur neck
10. Pubic bone (inferior ramus)
11. Femur shaft

Knee

- 1- Femur
- 2- Lateral condyle
- 3- Medial condyle
- 4- Patella
- 5- Tibia
- 6- Fibula
- 7- Lateral tibial spine
- 8- Medial tibial spine
- 9- Intercondylar notch



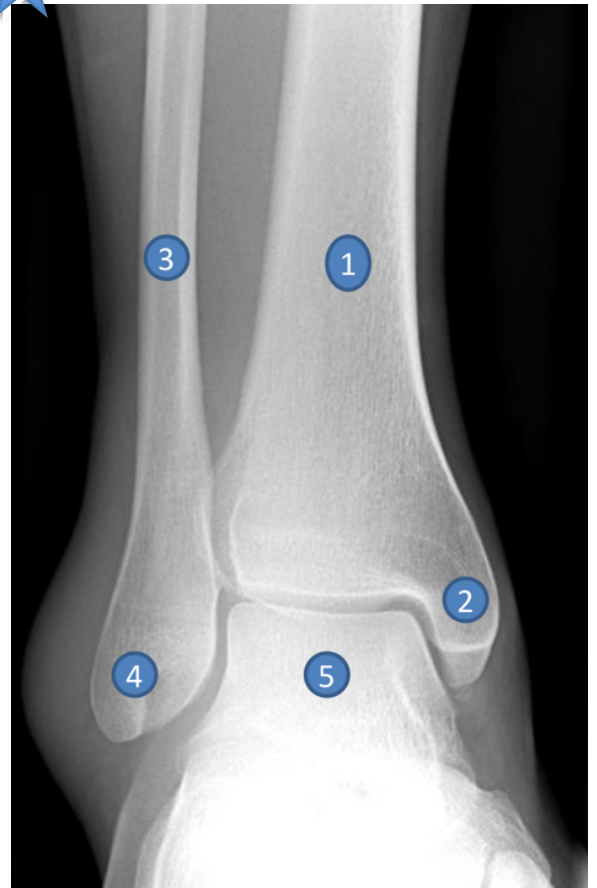
- 1- Femur
- 2- F. medial condyle
- 3- Patella
- 4- Tibia
- 5- Fibula
- 6- Tibial tuberosity
- 7- Tibial spine



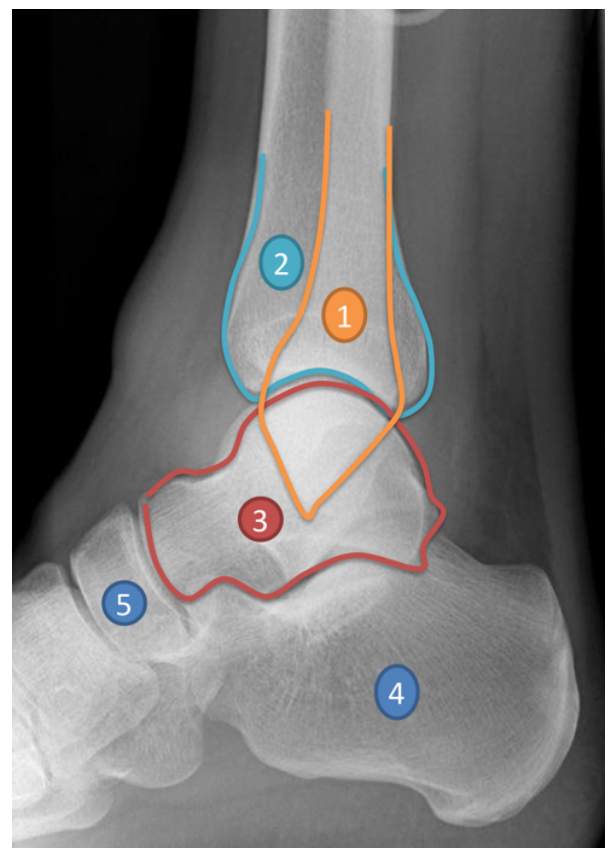
Ankle



- 1- Tibia
- 2- Medial malleolus
- 3- Fibula
- 4- Lateral malleolus
- 5- Dome of talus



- 1- Fibula
- 2- Tibia
- 3- Talus
- 4- Calcaneus
- 5- Navicular



Foot



- 1-Medial cuneiform bone
- 2-Intermediate cuneiform bone
- 3-Lateral cuneiform bone
- 4-Cuboid bone
- 5-Navicular bone
- 6-Calcaneal bone
- 7-Talus
- 8-1st metatarsal
- 9-Proximal phalanx (1st toe)
- 10- Distal phalanx (1st toe)

Team Leaders:

Sedra elsirawani

Ibrahim Aldakhil

Team Members:

1. Lama Alzamil
2. Joud Aljebreen
3. *Nouran Arnous*
4. Leen Almazroa

- 1- Amjad Albaroudi
- 2- Badr Almuhanna
- 3- Abdulrahman Alhawas
- 4- Mohammed Alhuqbani