

Al-Balqa Applied University

Faculty Of Medicine

Anatomy Lab Checklist

*You can use this checklist as a guide to you for the lab. the items on this checklist represent the main features of the models that you have to know for achieving the objectives of this lab. use the checklist to identify and review the main features of the models in the lab.

System: Musculoskeletal and Skin

Anatomy Practical 2

Objectives:

- Identify different parts of each bone in the upper limb.
- Identify the features of the upper limb bones in X-rays.
- Identify the components of upper limb joints.
- Identify different parts of each bone in the lower limb.
- Identify the features of the lower limb bones in X-rays.
- Identify the components of the lower limb joints.

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Bones of the Upper Limb

Clavicle

- Sternal end
- Manubrium of the sternum
- Acromial end
- Superior surface
- Inferior surface
- Conoid tubercle
- Subclavian Groove (groove for the subclavius)
- Impression for the costoclavicular ligament

Scapula

- Posterior surface
- Costal surface
- Subscapular fossa
- Spine of the scapula
- Supraspinous fossa
- Infraspinous fossa
- Acromion
- Glenoid cavity
- Supraglenoid tubercle
- Infraglenoid tubercle
- Coracoid process

- Medial border of the scapula
- Lateral border of the scapula
- Superior border of the scapula
- Superior angle of the scapula
- Inferior angle of the scapula
- Suprascapular notch

Humerus

- Head of the humerus
- Anatomical neck of the humerus
- Surgical neck of the humerus
- Greater tubercle
- Lesser tubercle
- Intertubercular (bicipital) groove
- Shaft (body) of the humerus
- Deltoid tuberosity
- Radial groove (groove for radial nerve)
- Supraepicondylar ridges
- Medial epicondyle
- Lateral epicondyle
- Condyle of the humerus
- Capitulum
- Trochlea

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- Coronoid fossa
- Olecranon fossa
- Radial fossa

Bones of the Forearm

Ulna

- Olecranon
- Coronoid process
- Trochlear notch
- Tuberosity of the ulna
- Radial notch
- Supinator crest
- Supinator fossa
- Shaft (body) of the ulna
- Head of the ulna
- Ulnar styloid process

Radius

- Head of the radius
- Neck of the radius
- Radial tuberosity
- Shaft (body) of the radius

- Ulnar notch
- Radial styloid process
- Dorsal tubercle of the radius
- Interosseous border of the radius or ulna
- Interosseous membrane of the forearm

Bones of the Hand

- Carpals (8)
- Metacarpals (5)
- Phalanges (14)

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Bones of the Lower Limb

Hip Bone

- Ilium
- Pubis
- Ischium
- Pubic Symphysis

Ilium

- Ala
- Iliac spines
- Iliac crest
- Iliac tubercle
- Arcuate line
- Iliac fossa
- Greater sciatic notch

Ischium

- Body of the ischium
- Ramus of the ischium
- Ischial spine
- Lesser sciatic notch
- Ischial tuberosity

Pubis

- Body
- Pubic symphysis
- Pubic crest
- Pubic tubercle
- Superior ramus
- Inferior ramus
- Pectenial line

Obturator foramen

Acetabulum

- Acetabular notch
- Acetabular fossa
- Lunate surface of the acetabulum

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Femur

- Head of femur
- Neck of the femur
- Greater trochanter
- Lesser trochanter
- Intertrochanteric line
- Intertrochanteric crest
- Quadrate tubercle
- Trochanteric fossa
- Fovea for ligament of head
- Shaft (body)
- Linea Aspera (medial and lateral lip)
- Gluteal Tuberosity
- Pectineal line
- Supracondylar lines
- Epicondyle (medial &lateral)
- Adductor tubercle
- Femoral condyle (medial & lateral)
- Intercondylar fossa
- Patellar surface

Tibia

- Condyles (medial & lateral)
- Superior articular surface
- Intercondylar eminence
 - Intercondylar tubercles (medial & lateral)
- Intercondylar areas (anterior & posterior)
- Tibial tuberosity
- Shaft of the tibia
- Medial Malleolus.
- Interosseous border
- Fibular notch
- Nutrient Foramen

Fibula

- Head of fibula
 - Apex
- Neck of fibula
- Shaft of the fibula
- Lateral malleolus

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Bones of the Foot

- Tarsus(7)
- Metatarsus(5)
- Phalanges(14)

Phalanx

- Proximal
 - Middle
 - Distal
- } Base
} Shaft
} Head

TARSUS

- Talus
 - Body
 - Neck
 - Head
 - lateral tubercle
 - Sulcus tali
- Calcaneus
 - Fibular tubercle
 - Calcaneal tuberosity
 - Medial tubercle
 - Lateral tubercle
 - Sustentaculum tali
 - Sulcus Calcanei
- Cuboid
- Navicular
- Cuneiforms (3)

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Joints of the Upper Limb

Sternoclavicular Joint

- Sternal end of the clavicle
- Manubrium
- Articular disc
- Joint capsule
- Ligaments
 - Sternoclavicular ligament (anterior & posterior)
 - Interclavicular ligament
 - Costoclavicular ligament

Acromioclavicular Joint

- Acromial end of Clavicle
- Acromion of Scapula
- Articular Disc
- Joint Capsule
- Ligaments
 - Acromioclavicular ligament
 - Coracoclavicular ligament (conoid & trapezoid)

Glenohumeral (Shoulder) Joint

- Head of humerus
- Glenoid cavity of the scapula
- Glenoid labrum
- Coracoacromial arch
- Joint capsule
- Ligaments
 - Glenohumeral ligament
 - Transverse humeral ligament
 - Coracohumeral ligament
 - Coraco-acromial ligament

Elbow Joint

- Humerus
 - Trochlea
 - Capitulum
- Trochlear notch of the Ulna
- Head of radius
- Ligaments
 - Radial collateral ligament
 - Anular ligament of the radius
 - Ulnar collateral ligament
 - Bands (Anterior, Posterior, Oblique)

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Proximal (Superior)

Radioulnar Joint

- Head of the radius
- Radial notch of the ulna
- Sacciform recess of the proximal radioulnar joint
- Ligaments:
 - Anular ligament

Distal Radioulnar Joint

- Head of ulna
- Ulnar notch of the radius
- Triangular ligament
- Ligaments of the distal radioulnar joint
 - Anterior
 - Posterior

Wrist (Radiocarpal) Joint

- Joint capsule
- Ligaments
 - Palmar radiocarpal ligament
 - Dorsal radiocarpal ligament
 - Ulnar collateral ligament
 - Radial collateral ligament

Intercarpal Joints

- ligaments
 - Anterior
 - Posterior
 - Interosseous

Mid carpal joint

Carpometacarpal joint of the thumb

Carpometacarpal and Intermetacarpal Joints

- ligaments:
 - palmar CMC
 - dorsal CMC
 - IM ligaments

Metacarpophalangeal and Interphalangeal joints

- Ligaments:
 - Collateral ligament
 - Deep transverse metacarpal ligament

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Joints of The Lower Limb

Sacroiliac Joint

- ligaments
 - Posterior sacro-iliac ligament
 - Anterior sacro-iliac ligament
 - Interosseous sacroiliac ligament
 - Iliolumbar ligament
 - Sacrotuberous ligament
 - Sacrospinous ligament

Hip joint

- Head of the femur
- Acetabulum
- Acetabular fossa
- Acetabular labrum
- Fovea for ligament of head
- ligaments of the hip joint
 - Transverse acetabular ligament
 - Iliofemoral ligament
 - Pubofemoral ligament
 - Ischiofemoral ligament
 - Ligament of the head of the femur
- Obturator internus bursa
- Obturator externus bursa
- Psoas Bursa

Knee Joint

- Patella
- Quadriceps Tendon
- Joint Capsule
- Synovial Membrane
- Infrapatellar fat pad
- Ligaments of knee joint
 - Patellar ligament
 - Fibular collateral ligament
 - Tibial collateral ligament
 - Oblique popliteal ligament
 - Cruciate ligament (Anterior, Posterior)
- Menisci
 - lateral meniscus
 - anterior meniscus

Proximal Tibiofibular Joint

- Ligaments
 - Anterior and posterior ligaments
 - The interosseous membrane

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Distal Tibiofibular Joint

- Ligaments
 - Interosseous ligaments
 - Interosseous membrane
 - Anterior and posterior ligaments
 - Inferior transverse ligament

Ankle Joint

- ligaments
 - Medial (deltoid) ligament
 - Lateral ligament
 - Anterior talofibular ligament
 - Calcaneofibular ligament
 - Posterior talofibular ligament

Foot Joints

Subtalar Joint

- Medial and lateral Talocalcaneal ligaments
- Interosseous Talocalcaneal ligament

Talocalcaneonavicular joint

- Planter Calcaneonavicular ligament

Calcaneocuboid Joint

- Bifurcated ligament
- Long planter ligament
- Short planter ligament

Talocalcaneonavicular & Calcaneocuboid

Joints



Midtarsal or
Transverse Tarsal
joints

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Cuneonavicular Joint

Cuneonavicular joint

Cuboideonavicular Joint

- ligaments
 - Dorsal
 - Planter
 - Interosseous

Intercuneiform and

Cuneocuboid Joints

- Dorsal, planter and interosseous ligaments

Tarsometatarsal and

Intermetatarsal joints

- Dorsal, planter and interosseous ligaments

Metatarsophalangeal and

interphalangeal joints

- Deep transverse ligaments