Basrah Medical college
Department of human anatomy
Syllabus and learning objective /Anatomy 2/2nd semester/First year 2025-2026

Second semester / first year	
Titles	**learning objectives**
Gluteal region and thigh	**(6 Lectures)**
Function of lower limb **Gluteal region** **Superfical fascia** **Deep fascia** **Greater sciatic foramen**	**1- Clarify the functions of the lower limb. How it differs from upper limb?** **2- Identify the gluteal region: location, subcutaneous tissue, Cutaneous nerves, vessels and lymphatic.** **3- Identify the deep fascia and ilio-tibial tract.** **4- Muscles of the gluteal region.** **5-Identify the Greater sciatic foramen: definition, its boundaries and content.** **6 Clinical note regarding the site intra muscular injection**
Gluteal region	
Vessels of gluteal region **Nerves of gluteal region** **Lesser sciatic foramen** **Latera; rotators of thigh**	**1- Identify the Vessels and nerves of the gluteal region its relation to the greater sciatic foramen .** **2- Identify the Lesser sciatic foramen: definition , its boundaries and content.** **3- Describe the Lateral rotators of the thigh at the hip joint.**
Hip joint	
Type of hip joint **Ligaments of hip joint** **Intracapsular structures** **Movements** **Bursa** **Blood supply**	**1-Define The hip joint and its type and mention its ligaments.** **2.Identify the Intra capsular structures.** **3.Describe the Movements** **4. Describe the Bursa and Relations** **5. Identify Blood supply** **6. clinical notes regarding necrosis of femur head**
Back of the thigh (Hamstring compartment)	

Skin of the back of thigh **Cutaneous supply** **Superficial and deep fascia** **Muscles of the back** **Vessels of the back** **Sciatic nerve**	**1. Identify the back of thigh .Its Skin: cutaneous ns, superficial vs and lymphatics** **2. List the Contents:** **Muscles. Biceps femoris, Semitendinosus, Semimembranosus and small part of adductor magnus.** **Vessels. Branches of Profunda femoris a.** **Nerves . Sciatic n.** **3. Identify the back of thigh** **Skin : cutaneous ns, superficial veins_ great saphenous vein, superficial inguinal lymph node,** **4. Describe the Superficial fascia and Deep fascia ,fascia lata**
Anterior fascial compartment of thigh	
Muscles of anterior compartment **Femoral triangle** **Femoral sheath** **Femoral canal** **Femoral ring** **Femoral hernia**	**1. Identify the muscles of anterior fascial compartment of thigh** **Sartorius, Iliacus, Psoas, Pectineus, Quadriceps femoris and their blood and nerve supply (Femoral artery and nerve)** **2. Define Femoral triangle and its clinical significant** **3. Identify Femoral sheath : definition, contents .** **4. Describe Femoral canal : boundaries ,content.** **5. Define Femoral ringe: boundaries.** **6. Describe femoral hernia** **7. Clinical notes**
Medial compartment of thigh	
Femoral vein **Deep inguinal lymph nodes** **Femoral nerve** **Subsartorial canal** **Muscles of medial compartment**	**1.Describe the course of Femoral vein and its tributaries.** **2.Identify the Deep inguinal lymph nodes** **3.Identify Femoral nerve, its course and branches.** **4.Define and describe the adductor (subsartorial) canal regarding contents and boundaries boundaries and content.** **5.Identify the muscles of medial compartment of thigh and their blood and nerve supply and action** **<u>Muscles:</u> Gracilis ,Adductor Longus, Adductor brevis, Adductor magnus and Obturator externus.** **<u>Blood supply</u>; Profunda femoral A. obturator A. and nerve supply (Obturator Nerve).** **<u>6.</u> Clinical note**

Knee

Bones of knee **Ligaments of knee, intra capsular and extracapsular** **Bursae of knee** **Movements of knee** **Anastomoses around knee** **Popliteal fossa** **Proximal tibiofibular joint**	**1.Enlist the articulating bones of the knee joint** **2.Describe the knee joint** **3.Identify the extra and intracapsular ligament** **4.Define menisci and bursa and their importance** **5. Describe the movement of the knee** **6. Mention some clinical condition regarding injury to ligament and meniscus** **7.Describe the anastomoses around knee joint** **8.Define popliteal fossa Identify the boundaries and ,contents** **9.Describe the proximal and distal tibiofibular joint** **10. Clinical notes regarding injury of extra and intracapsular ligament of knee**
Anatomy of the leg	**(3 Lectures)**
Osteology of leg **Superficial fascia** **Sensory innervation** **Superficial veins** **Lymphatic drainage**	**1.Describe the bones of the leg** **2.Describe the superficial fascia** **3.Identify the sensory innervation of leg** **4.Describe the course of the superficial veins** **5.Describe the lymphatic drainage** **6. Clinical note**
Anatomy of the leg	
Deep fascia of leg **Extensor muscles of leg (anterior)** **Evertor muscles (lateral)** **Anterior tibial artery** **Peroneal artery** **Common peroneal nerve** **Superficial and deep peroneal nerve**	**1.Describe and define the deep fascia of the leg** **2.Identify the extensor muscles of the leg ,their origin ,insertion ,action ,blood and nerve supply** **3.Identify the evertor muscles of the leg ,their origin ,insertion ,action ,blood and nerve supply** **4.Describe the course of common peroneal nerve ,deep peroneal** **5.Clinical note regarding pulsation of anterior and posterior tibial arteries**
Anatomy of the leg	
Flexor muscles of leg (posterior) **Tibial nerve** **Posterior tibial artery** **Calf pump mechanism**	**1.Identify the flexor muscles of the leg ,their origin ,insertion ,action ,blood and nerve supply** **2.Identify the course of tibial nerve and posterior tibial artery** **3.Describe the deep veins of the leg** **4.Describe the calf pump mechanism** **5.Define varicose veins and its cause** **6.Clinical notes**
Ankle region and foot	**(3 Lectures)**
Tarsal bones **Metatarsal bones** **Ankle joint** **Subtalar joint** **Tarsal joints** **Tarsometatarsal joints** **Metatarsophalangeal joints**	**1.List and describe the tarsal bones** **2.Describe the metatarsal bones and phalanges** **3.Define the ankle joint and know its ligament ,movements and relation** **4.Define subtalar joint; its articulation ,ligaments and movements** **5. Describe tarsal joints** **6. Describe tarsometatarsal and metatarsophalangeal joints** **7C.linical note regarding ankle joint**
The sole of foot	

Retinacula of foot **Skin of the sole** **Deep fascia** **Plantar aponeuroses** **Muscular layers of foot** **Long tendons of foot** **Blood supply of sole of foot** **Nerve of the sole of the foot**	**1.List and describe the 5 retinacula of ankle and their attachments** **2.Describe the skin of the sole of the foot and sensory innervation** **3. Describe the deep fascia and plantar aponeurosis and its function and importance** **4.Describe the four muscular layers of sole of foot** **5.List and describe the long tendons of the sole of foot** **6. Describe the fibrous and synovial flexor sheath** **7.Identify and describe the arteries and veins of the sole of the foot** **8.Identify the nerves of the sole of the foot and their courses and branches .** **9.Clinical points**
The Dorsum of foot of the foot	
Dorsum of foot **Nerve supply** **Muscles of dorsum** **Dorsalis pedis artery** **Sensory supply of dorsum** **Arches of foot** **Function of foot**	**1.Describe the skin and sensory innervation of the dorsum of the foot** **2.Identify and describe the muscles of the dorsum of the foot** **3.Desribe the course and branches of the dorsalis bedis a artery and its relation** **4. Describe the dorsal venous arch of foot** **5. Describe the sensory supply of the dorsum** **6. Describe the foot as a functional unit** **7.Describe the arches of the foot** **8.Describe the mechanism of arch support** **.Clinical note regarding pulsation of dorsalis pedis artery**
Chest anatomy	**(10 Lectures)**
Surface anatomy of chest **Bones of thorax** **Sternum** **False and true ribs** **Typical and atypical ribs**	**1.Describe the surface anatomy of chest** **2.List the ones forming the thoracic cage** **3.Identify the Parts of sternum** **4.Define and know the False and true ribs** **5.Define and describe the Typical and atypical ribs** **6.Clinical notes regarding chest scars and aspiration of bone marrow from sternum**
Chest anatomy	
Intercostal spaces **Intercostal muscles** **Endothoracic fascia** **Intercostal neurovascular bundle** **Other muscles of thorax**	**1. Define the Intercostal spaces** **2.List the Intercostal muscles and its origin ,insertion ,nerve supply and action** **3.Define the Endothoracic fascia** **4. Describe the Intercostal neurovascular bundle** **5. Identify the muscles of thoracic wall and their origin ,insertion and action** **6.Clinical note regarding injury of intercostal neurovascular bundle**

Chest anatomy	
Division of thoracic cavity **Mediastinum** **Divisions s of mediastinum** **Contents of mediastinum**	**1.Know Divisions of thoracic cavity** **2.Define the mediastinum** **3.Enlist and describe the divisions and Contents of mediastinum**
Chest anatomy	
Pericardium **Surface of heart** **Borders of heart** **Right atrium** **Right ventricle** **Tricuspid valve** **Pulmonary valve**	**1.Define of pericardium** **2.Enlist the Layers of pericardium** **3. Know the Function of pericardium** **4. Define Pericardial sinuses and their location** **5.Describe the Surfaces and border of the heart** **6. Identify the opening and structures of right atrium** **7. Identify the opening and structures of right ventricle** **8. Identify and describe the tricuspid and pulmonary valves** **9. Clinical note regarding borders of heart in radiology**
Chest anatomy	
Left atrium **Left ventricle** **Mitral valve** **Aortic valve** **Great Blood vessels (arteries and veins)**	**1. Describe the Location, opening and structures of left atrium** **2.Describe Location, opening and structures of left ventricles** **3.Identify and describe the mitral and aortic valves** **4.Identify the Great arteries and veins** **5.Describe the Aorta and its parts and branches** **6. Describe Right and left brachiocephalic veins** **7.Clinical notes regarding infarction of papillary muscles**
Chest anatomy	
Blood supply of the heart **Right coronary artery** **Left coronary artery** **Cardiac veins**	**1.Describe The course and branches of right and left coronary artery.** **2.Describe The course of venous drainage of the heart** **3. Clinical note**
Chest anatomy(conducting system)	
Sa node **Av node** **Bundle of His** **Bundle branches** **Moderator band**	**1.Identify The conducting system of the heart** **2.Describe The blood supply of the conducting system** **3. Clinical note**
Chest anatomy (Lung and pleura)	

Pleura **Surface anatomy of lung** **Anatomy of lung** **Trachea** **Bronchial tree**	**1.Describe the anatomy of the pleura: (subdivisions into parietal & visceral pleurae, nerve supply).** **2.List the parts of parietal pleura and its recesses.** **3.Describe the surface anatomy of both pleurae and lungs.** **4.Describe the anatomy of lungs: (shape, surfaces, relations, nerve supply, blood supply and lymphatic drainage.** **6.Describe trachea, bronchi ,blood and nerve supply** **7.Clinical note regarding forging body aspiration**
Chest Anatomy(Esophagus)	
Anatomy of esophagus **Relations** **Blood supply** **Nerve supply** **Lymphatics**	**1.Describe the anatomy of the esophagus Extent, length, parts, structures, relations,** **2.Identify the blood supply** **3. Identify the innervation and lymphatics of esophagus** **4.Clinical note regarding Ca carcinoma location**
Chest anatomy(Anatomy of diaphragm)	
Parts of diaphragm **Crura and ligaments** **Diaphragmatic openings** **Blood supply** **Nerve supply** **Functions**	**1.Describe the anatomy of the diaphragm : Parts ,origin insertion ,** **2.Describe the large diaphragmatic opening.** **3.Identify the blood supply and innervation** **4.List the function of diaphragm** **5. Clinical note about hernia of diaphragm**