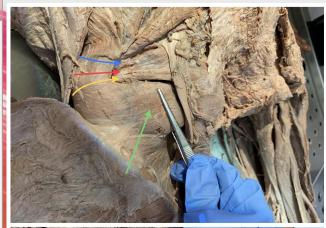


Gluteal region

	Origin	Insertion	Action	Nerve supply	
Gluteus Maximus	- <u>Posterior</u> part of the gluteal surface of ilium -Back of sacrum & coccyx & back of Sacrotuberous ligament	-Main insertion: iliotibial tract -Other insertion: gluteal tuberosity of the femur (posterior)	-Extension & lateral rotation of the hip joint -Through its attachment to iliotibial tract, it stabilizes the femur on the tibia during standing	Inferior gluteal nerve.	
Gluteus medius	<u>Middle</u> part of the gluteal surface of ilium	<u>Lateral</u> surface of the greater trochanter	-Abduction & Medial rotation of hip joint.	Superior gluteal nerve.	
Gluteus minimus	Anterior part of the gluteal surface of ilium	Anterior surface of the greater trochanter	-Also prevent tilt of the pelvis on raising the other limb from ground		
Piriformis Important	Pelvic surface of middle 3 sacral vertebrae	Greater trochanter	 Lateral rotation of the hip joint. Control movement of the hip joint. 	Anterior rami of S1,2	

	Origin	Insertion	Action	Nerve supply
Obturator internus	Inner surface of the side wall of the pelvis	Into the medial surface of the greater trochanter	• Lateral	Nerve to obturator
Superior Gemellus	<u>Upper</u> part of lesser sciatic notch	Upper & lower part	rotation of the hip joint.	
Inferior Gemellus	Lower part of lesser sciatic notch	into tendon of obturator internus	 Control movement of the hip joint. 	Nerve to
Quadratus Femoris Important	Lateral border of the ischial tuberosity	Quadrate tubercle		Quadratus femoris

Obturator internus located in the middle between superior and inferior Gemellus, In addition superior and inferior Gemellus continues in completed with a tendon of obturator internus





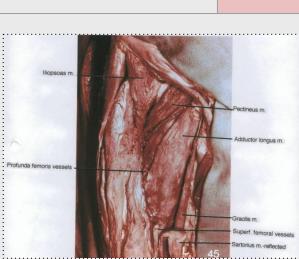
Muscles of the thigh



iliopsoas	Pectineus		
iliacus	Psoas major	below the vessels	
ilium of hip bone	transverse process of laumbrical vertebral	Superior pubic ramus	Origin
Lesser trochanter of fem	Back of femur (below lesser trochanter)	Insertion	
Flexion of hip joint	Flexion & adduction of hip joint	Action	
Femore	Nerve supply		

Only one muscle insert in the (lesser trochanter), but (greater trochanter) has many muscles

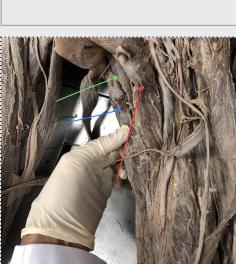


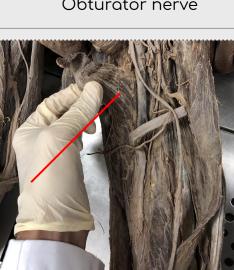


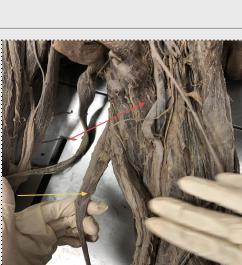
Sartorius							
important		Vastus medialis	Vastus intermedius	Rectus Femoris			
Anterior superior iliac spine	<u>Lateral</u> lip of the linea aspera of the femur	<u>Medial</u> lip of the linea aspera of the femur	Anterior and lateral surface of the femur.	Anterior inferior of iliac spine	Origin		
Upper part of medial surface of the shaft of the tibia (SGS)	the shaft of the tibia From potallo into TUBEDOSITY OF TIBIA through LIGAMENTUM DATELLAE (DATELLAD LIGAMENT)						
- Flexion of knee joint -Abduction & lateral rotation of hip joint Extension of knee joint (Rectus femoris also can flex the hip joint)					Action		
	Femoral nerve						
	(Deep) نايمة على العظم Superficially						
Sarthrins		Paleston		The last of the la	AID PERTICULA		



Adductor Magnus	Adductor Brevis	Adductor Longus		
-Inferior pubic ramus -Ischial ramus	-Body of pubis -Inferior pubic ramus	Body of pubis	Ischial ramus	Origin
Poste	erior border of femur (Linea	Upper part of medial surface of tibia (behind sertorius) (SGS)	Insertion	
	Action			
	Nerve supply			







clearly and biggest one and medially to it there is adductor Magnus, the adductor brevis located between them and behind adductor Longus

Adductor longus is

Gracilis is further and in clear position



Hamstring muscles

	Biceps	femoris	Semitendinosus	Semimembranosus		
	Short head نايم على العظم	Long head Share Semitendinosus in the same origin "Exactly"	Long tendon at the distal part	Membrane at the proximal part		
Origin	Linea aspera of the femur	Ischial tuberosity				
Insertion	Into the hec	Upper part of the medial surface of the shaft of the tibia (SGS) Posterior surface of the medial condyle of the tibia				
Nerve supply	Common peroneal part of the sciatic	Tibial part of the sciatic				
Blood supply		Branches of the profunda femoris artery				
Action	Flexion of knee & lateral rotation of flexed leg.	Flexion of knee , lateral rotation of flexed leg & extends the hib.	, lateral Flexes and medially rotates the leg at the rotation of knee joint, Extends the of the hip joint flexed leg & extends the			



Muscles of the leg



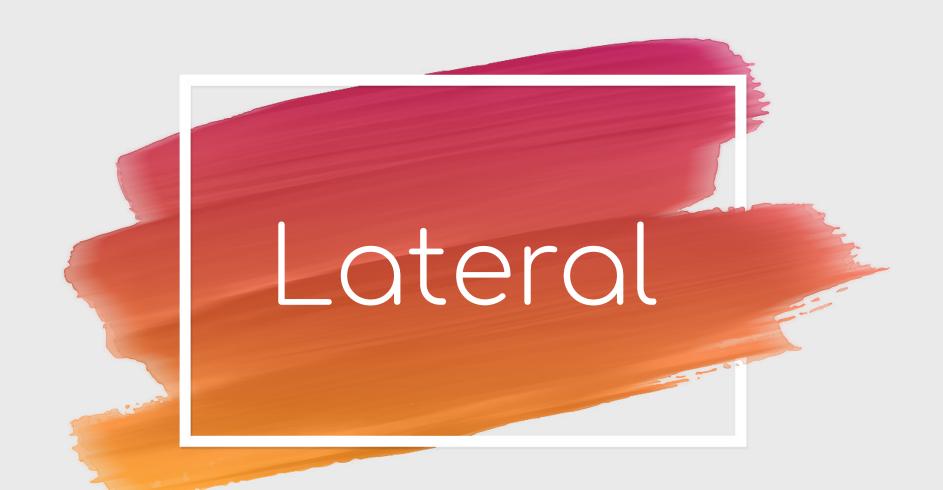
	Tibialis anterior	Extensor digitorum longus	Extensor hallucis longus	Peroneus tertius	
Origin	<u>Lateral</u> surface of Shaft of the tibia & interosseous membrane	Anterior surface of shaft of interosseous membro			
Insertion	Medial cuneiform & base of 1st metatarsal bone	Extensor expansion of lateral 4 toes	Base of distal phalanx of big toe	In the base of 5th metatarsal bone	
Nerve supply	Anterior tibial or (deep peroneal) nerve				
Action Insert medially"big toe"= Inversion Insert laterally"little toe"= Eversion	 Extension of ankle joint (dorsiFlexion) Inverts the foot at subtalar joint Support medial longitudinal arch 	Extends foot at ankle joint - Extends lateral 4 toes	Extends big toe - Extends foot at ankle joint - Inverts the foot at subtalar joint	Extends foot at ankle joint - Evert the foot at subtalar joint	



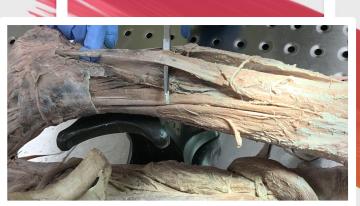
Extensor digitorum brevis

Origin	Anterior part of upper surface of the calcaneum
Insertion	By to 4 tendons into the proximal phalanx of big toe & Extensor expansion of 2nd & 3rd & 4th
Nerve supply	Deep fibular nerve
Action	Extends the toes





	Peroneus longus Superficially	Peroneus brevis Deep "Below peroneus longus"			
Origin	Lateral surface of t	he shaft of the fibula			
Insertion	Base of first metatarsal & medial cuneiform	Base of fifth metatarsal bone			
Nerve supply	Superficio	al peroneal			
Action	Plantar flexes, evert the foot, support lateral longitudinal arch and transverse arch	Plantar flexes, everts the foot, support lateral longitudinal arch			



اللي في الصورة هذي PL وتحتها مباشرة راح تكون PB



Gastrocnemius



Soleus

Superficial group

		Gastrocnemius		Soleus	Plantaris	
		Lateral head	Medial head			
	Origin	lateral condyle of femur	above medial Condyle of femur	Shaft of tibia & fibula	Lateral supracondylar ridge of femur	
1	Insertion	Posterior of surface of calcaneum via tendocalcaneus			Posterior of surface of calcaneum	
	Nerve supply			Tibial nerve		
	Action	- Plantar fle: at ankle - Flexes the	e joint	 Plantar flexes of foot at ankle joint Flexes the knee joint Provide main propulsive force in walking & running 	- Plantar flexes of foot at ankle joint - Flexes the knee joint	

Deep Group Behind mallulus: Tom does very nice hats

-Supports <u>medial</u>

longitudinal

arches

<u>medial</u>

longitudinal

arches

Popliteus

	Popliteus	Flexor <u>d</u> igitorum longus	Flexor <u>h</u> allucis longus	<u>T</u> ibialis posterior	
Origin	Groove on lateral surface of lateral condyle of femur (intracapsular)	Posterior shaft of the <mark>tibia</mark>	Posterior shaft of the fibula	Posterior shaft of the fibula & tibio & interosseous membrane	
Insertion	Posterior surface of the shaft of the tibia above soleal line	Base of distal phalanges of lateral 4 toes	Base of distal phalanx of big toe	Tuberosity of navicular bone and other neighboring tarsal bones	
Nerve supply		Tibial r	nerve		
Action	Flexes the knee joint & unlock knee joint by lateral rotation	- Flexes distal phalanges of lateral 4 toes - Plantar flexes at ankle joint - Supports <u>medial</u>	- Flexes distal phalanx of big toe - Plantar flexes of ankle joint - Supports	- Plantar flexes of ankle joint - Invert at subtalar & transverse tarsal joint	

and <u>lateral</u>

longitudinal arches





Don't stop until you are proud.

Team Members:

- Duaa Alhumoudi
- Mona Alomiriny
- Rania Almutiri
- Taif Almotiri
- Nourah Alklaib
- Arwa Alqahtani
- Norah Alasheikh
- Sara Alharbi
- --- Najd Alzahrani

- Mishal Althunayan
- Omar alhalabi
- Khalid Alosaimii
- Hadi Alhemsi
- Nasser Alohali

Team Leaders:

- Renad Alhomaidi
- Bassam Alasmari

