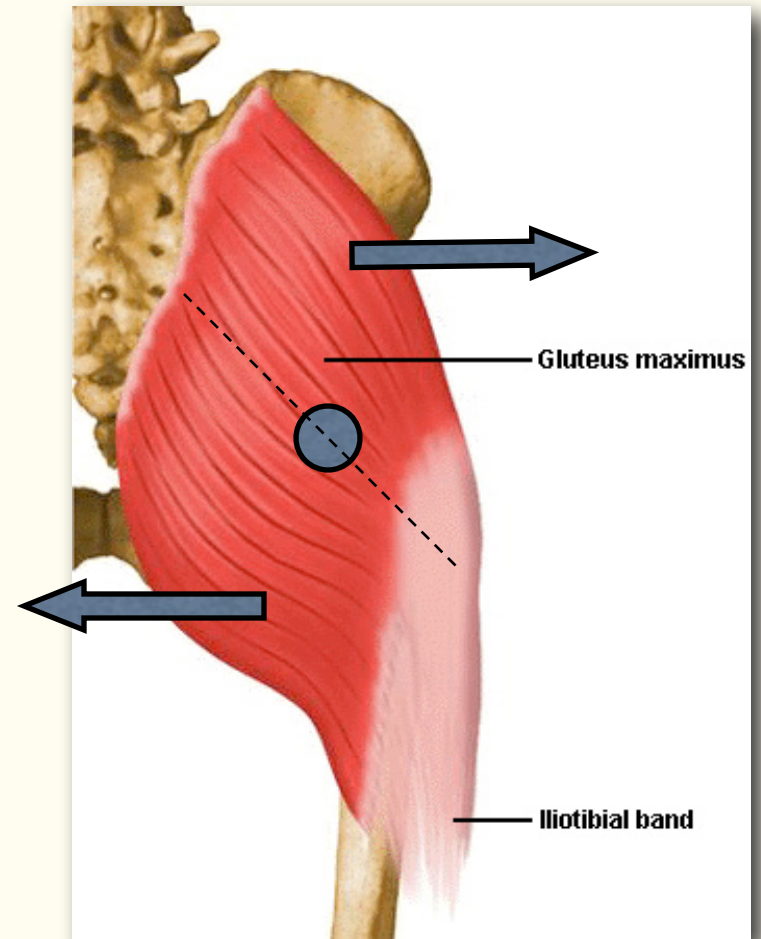
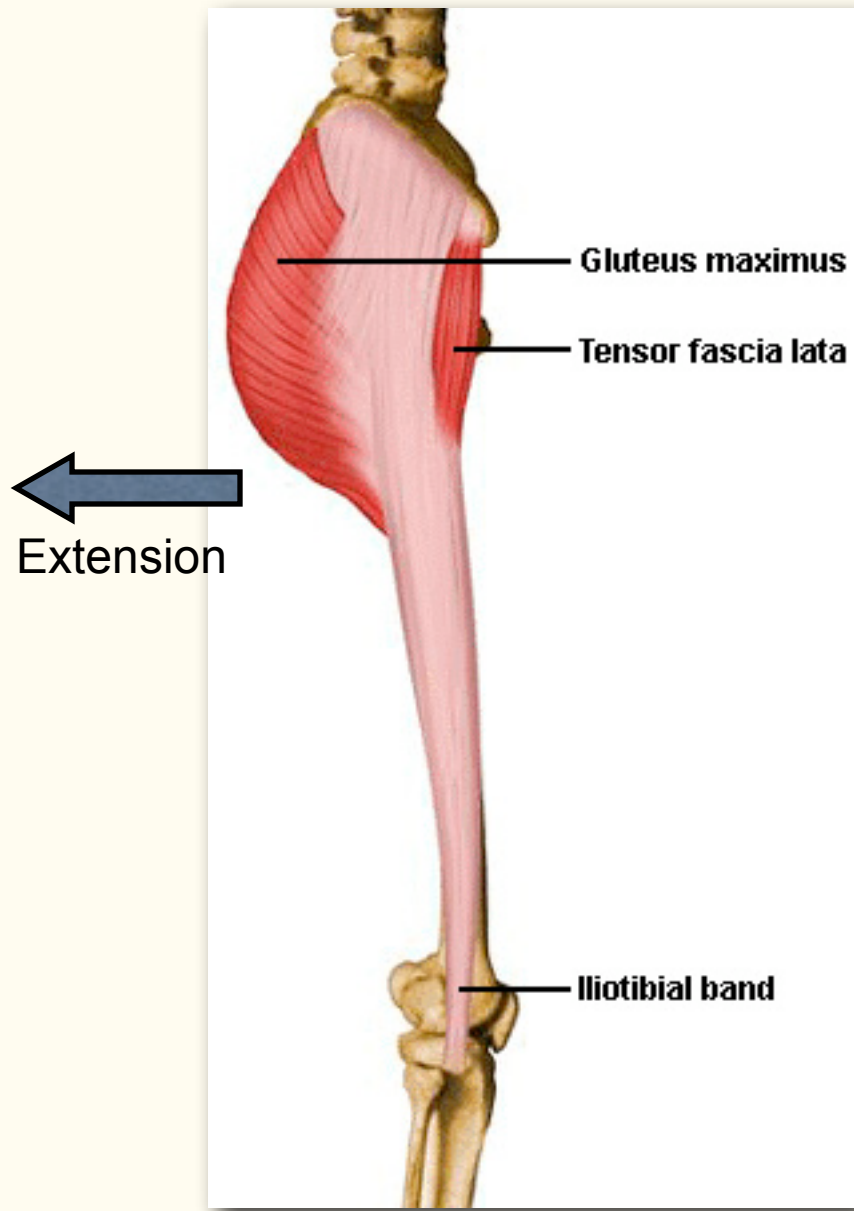


Muscles of the Hip Joint

Gluteus Maximus

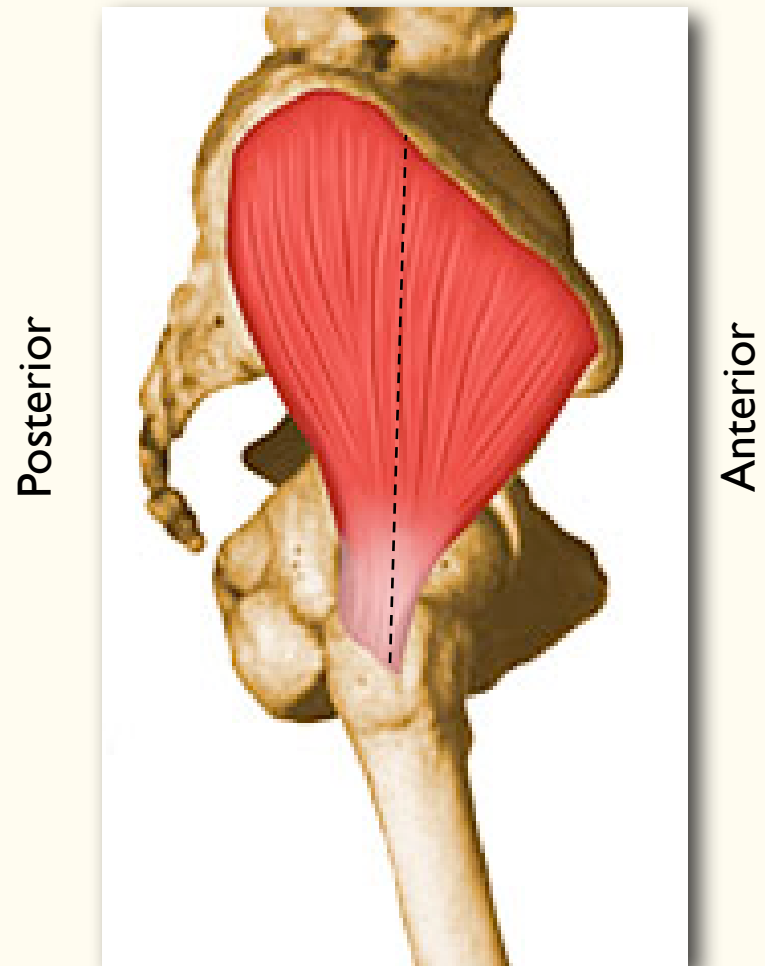
- O: lower posterior iliac crest and posterior surface of the sacrum
- I: gluteal tuberosity (upper, posterior aspect of the femur) & I.T. band
- Actions:
 - Extension of the hip
 - External rotation of the hip
 - Upper fibers - assist in abduction
 - Lower fibers - assist in adduction





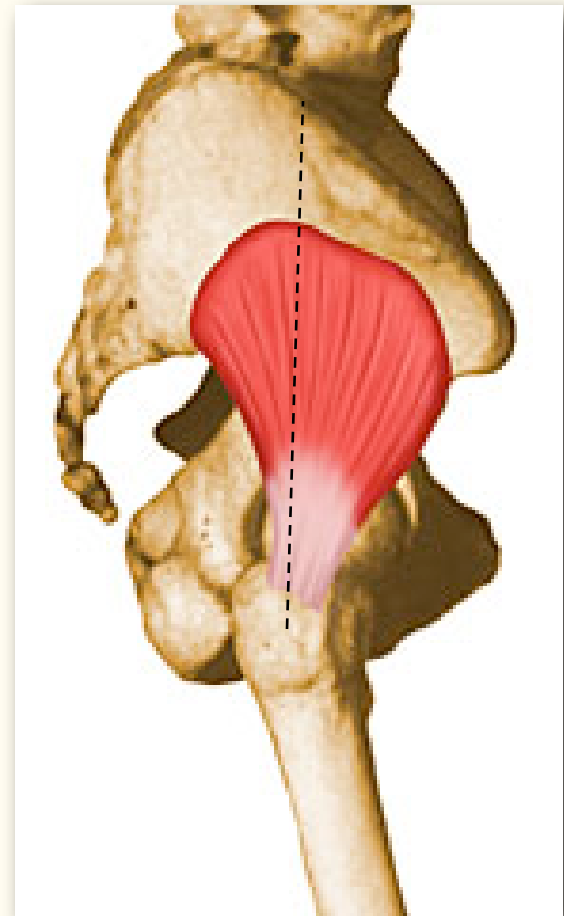
Gluteus Medius

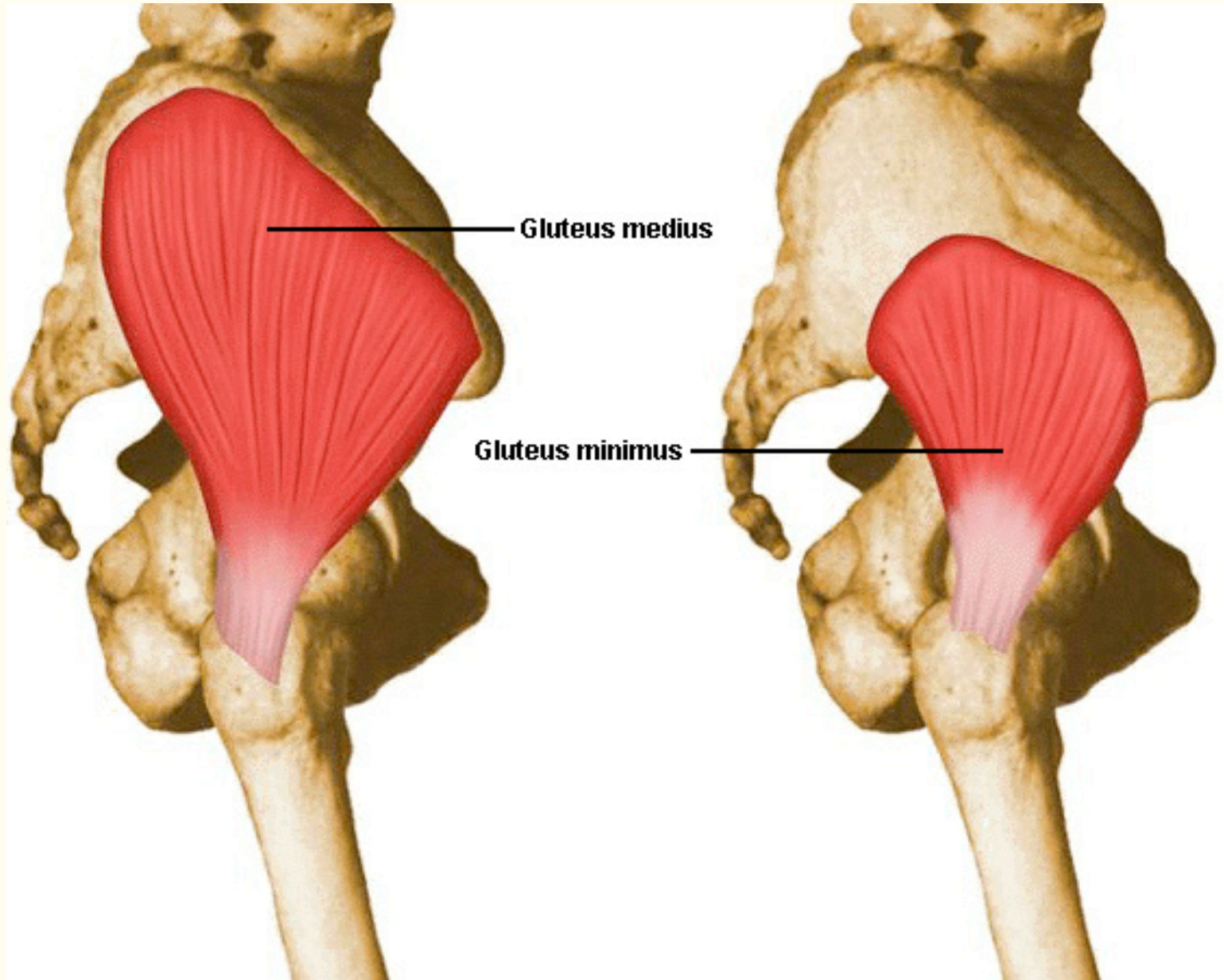
- O: outer surface of the ilium just below the crest
- I: greater trochanter
- Actions:
 - Abduction of the hip
 - Anterior fibers: Internal rotation and flexion
 - Posterior fibers: External rotation and extension

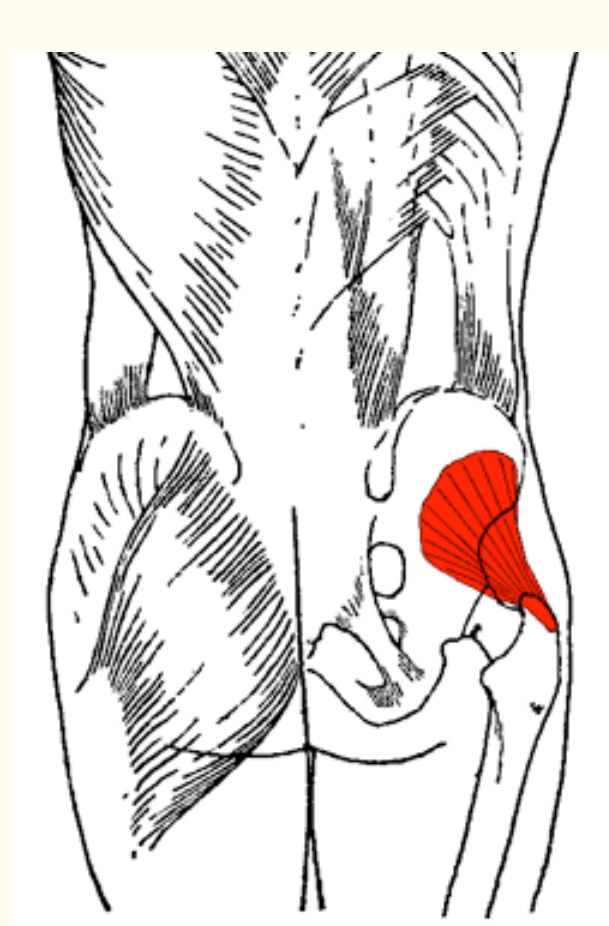
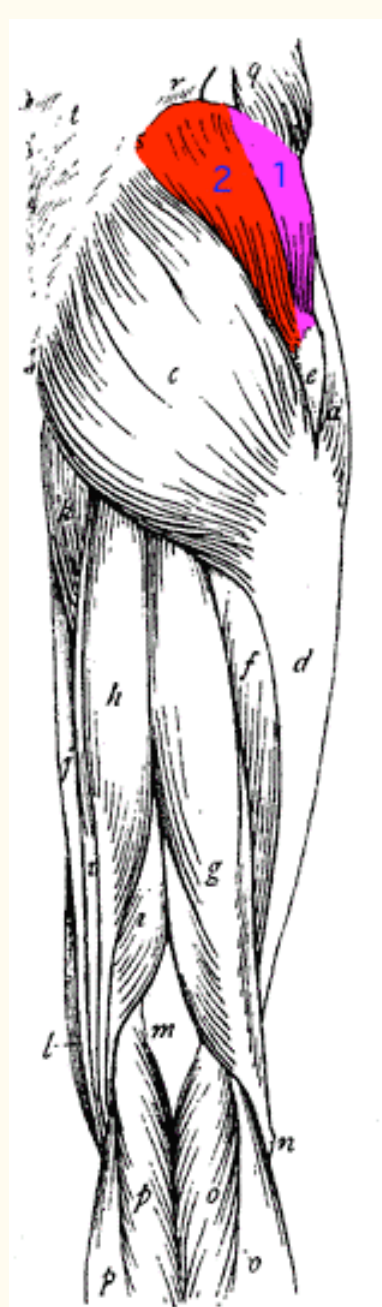
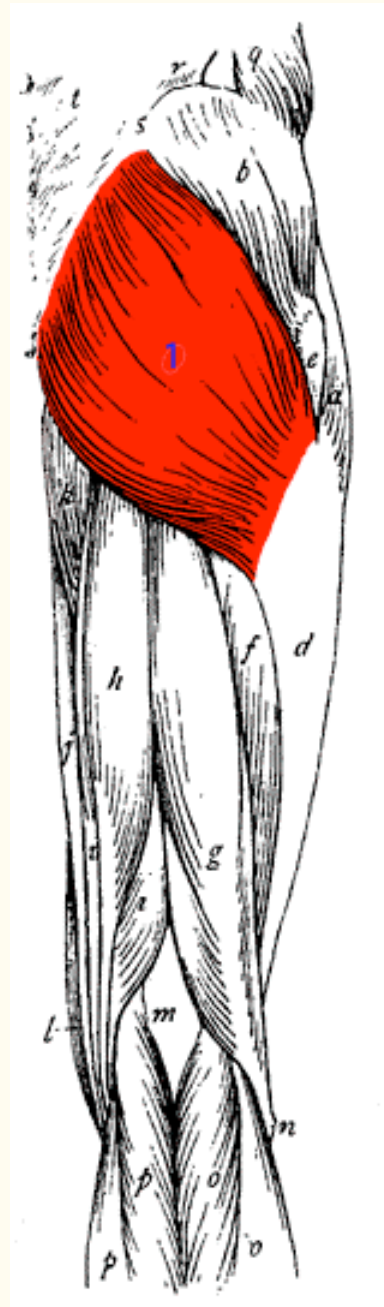


Gluteus Minimus

- O: outer surface of the ilium beneath the gluteus medius
- I: greater trochanter of the femur
- Actions
 - Abduction of the hip
 - Internal rotation
 - Flexion of the hip

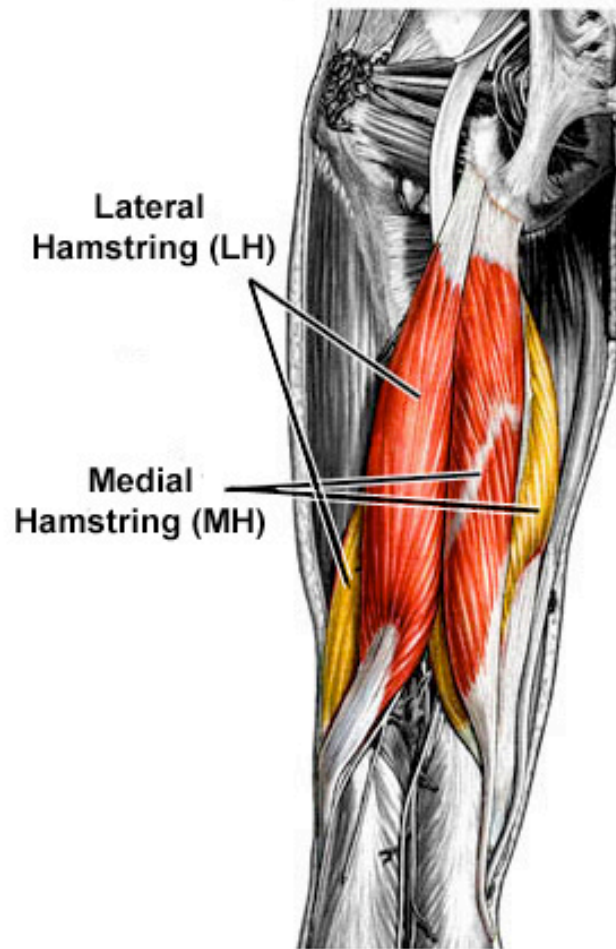






"Hamstrings" (posterior thigh)

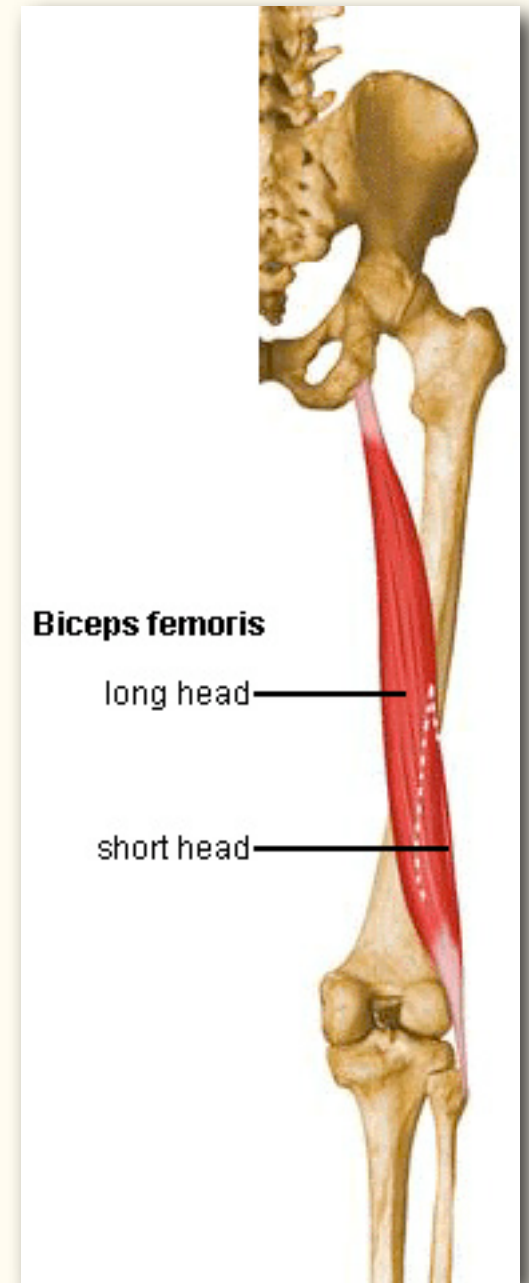
9.5



more
superficial

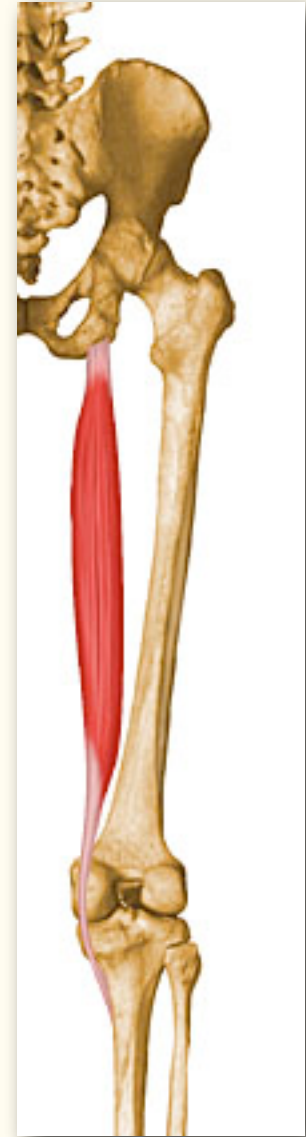
Biceps Femoris

- Lateral side
- Origin:
 - 1.) Long head - ischial tuberosity;
 - 2.) Short head - lower half of the linea aspera
- Insertion: Head of the fibula
- Action:
 - Extension of hip
 - External rotation of the hip



Semitendinosus

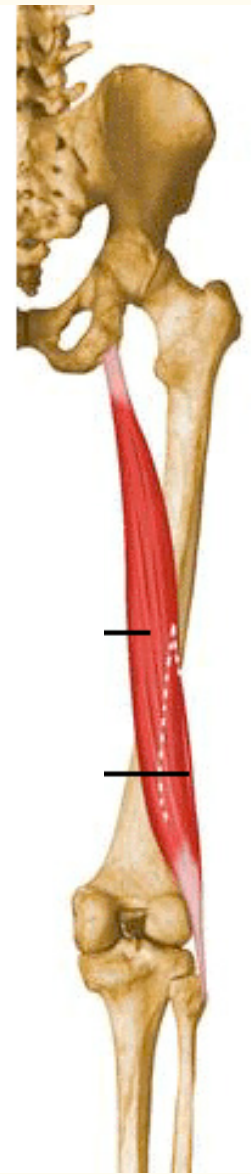
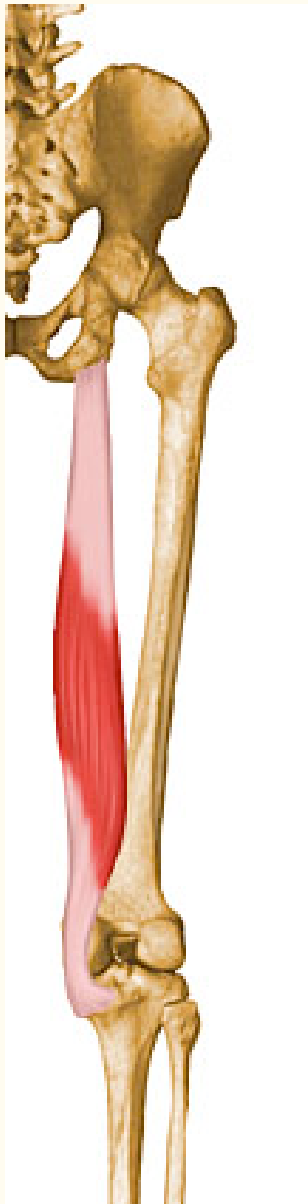
- Medial side; superficial
- Origin: Ischial tuberosity
- Insertion: Medial surface of proximal end of the tibia
- Action:
 - Extension of the hip
 - Internal rotation of the hip

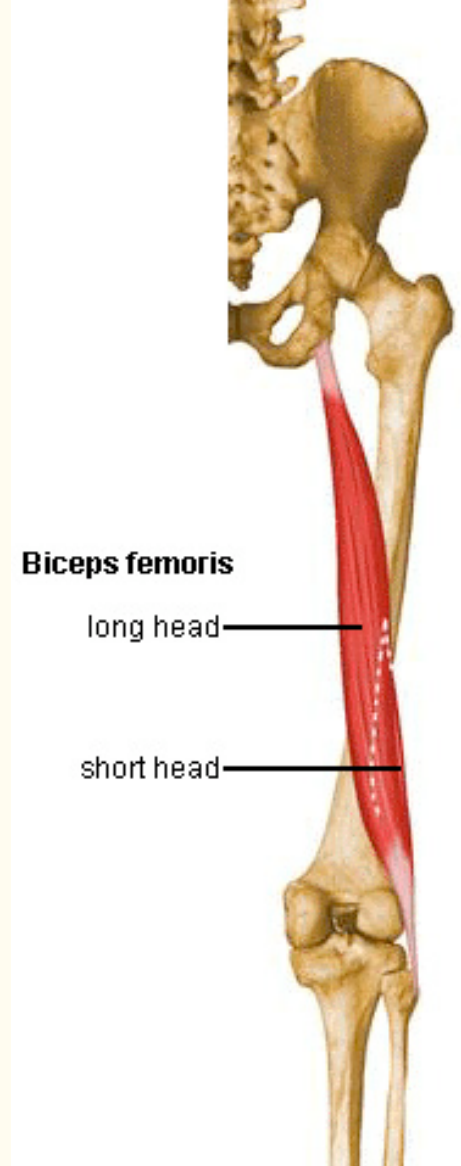
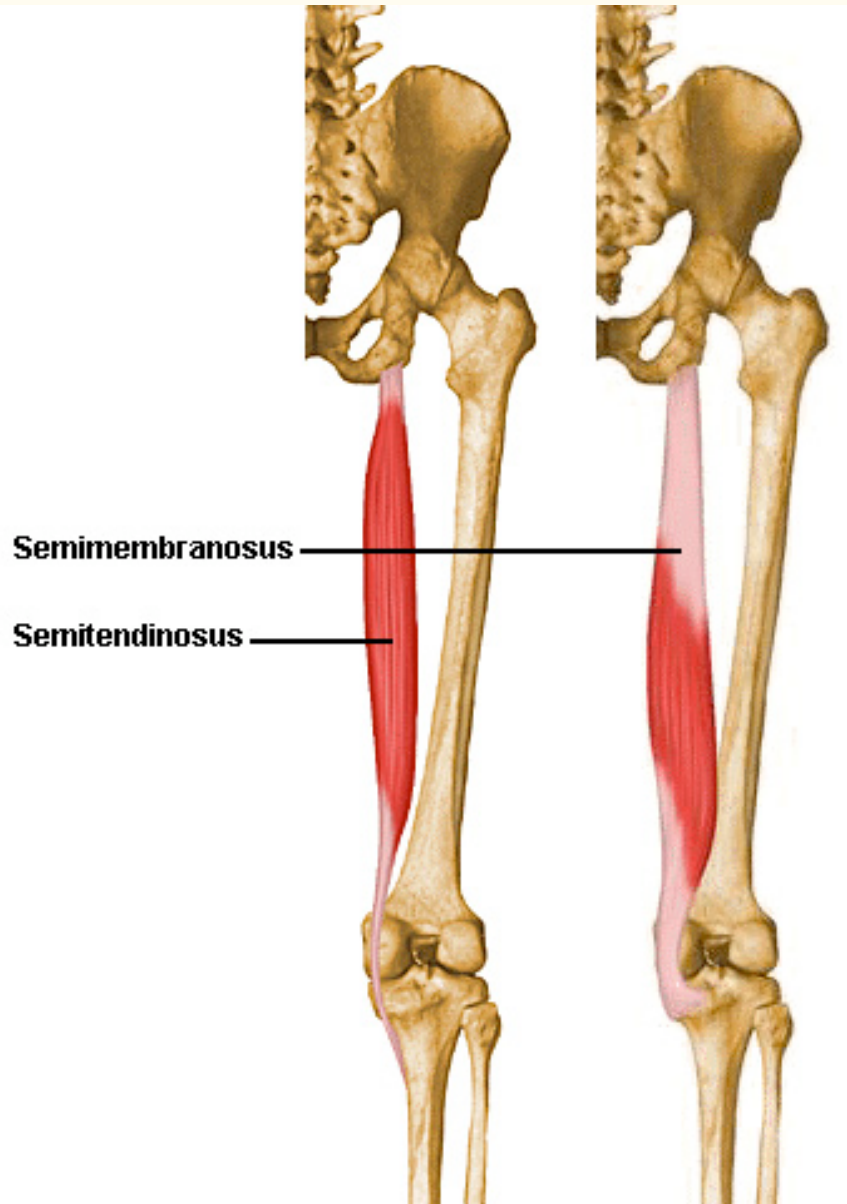


Semimembranosus

- Medial side, deeper than semitendinosus
- Origin: Ischial tuberosity
- Insertion: Medial surface of the tibia
- Action:
 - Extension of the hip
 - Internal rotation of the hip

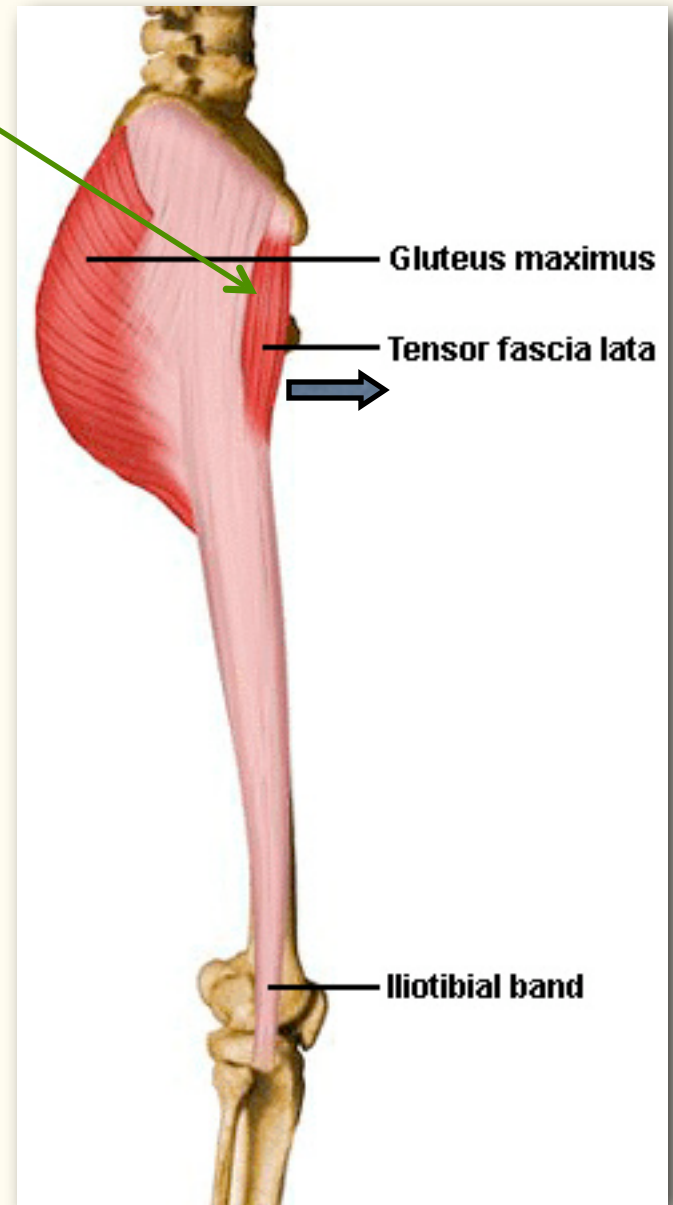




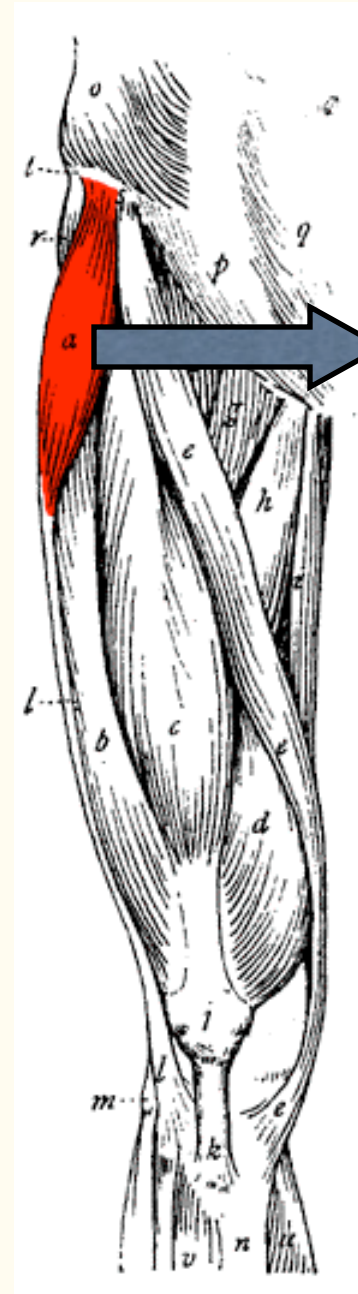


Tensor Fasciae Latae

- O: iliac crest
- I: iliotibial (I.T.) band
- Actions:
 - Flexion of the hip
 - Internal rotation
 - Abduction of the hip

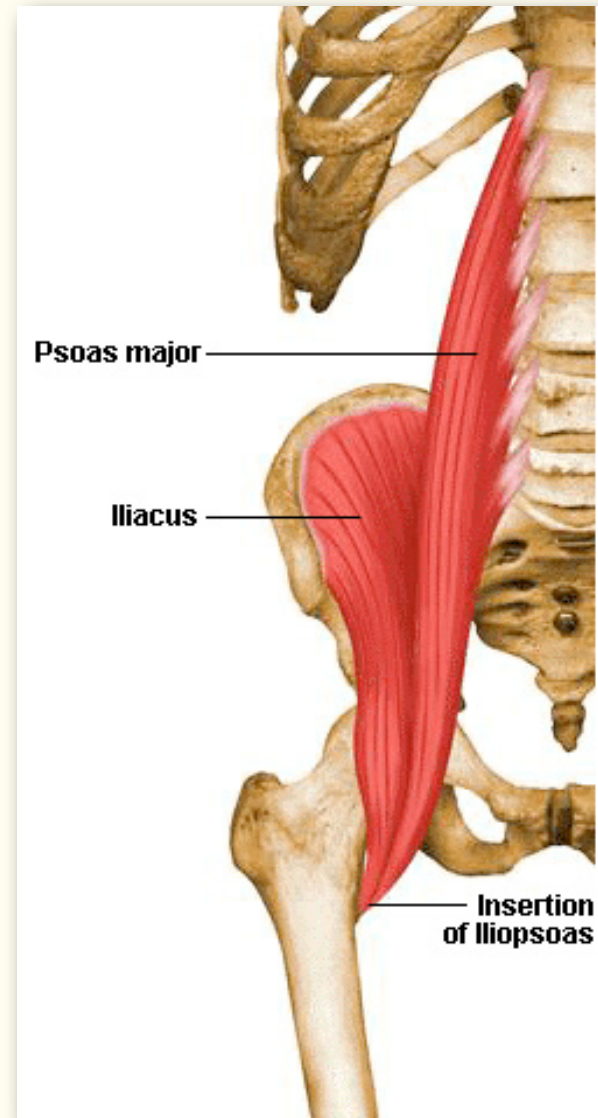


Tensor Fascia Latae (Anterior View)



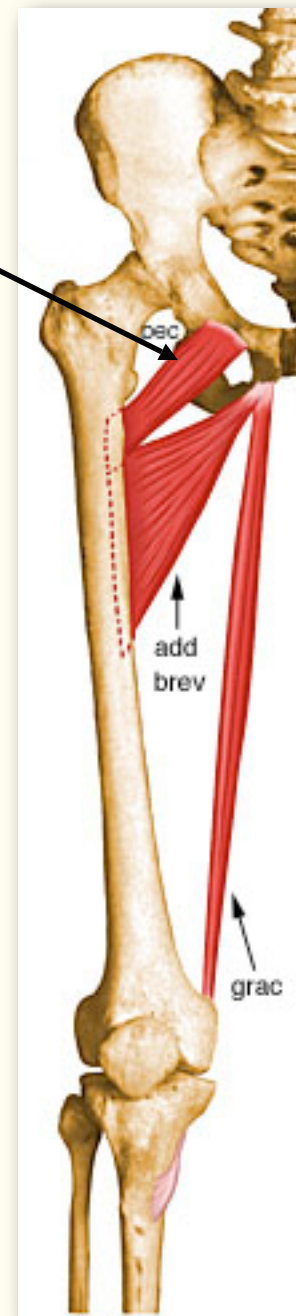
Iliopsoas

- Origins:
 - iliac fossa
 - vertebral bodies of the last thoracic and lumbar vertebrae
- I: lesser trochanter of the femur
- Actions:
 - Flexion of the hip
 - External rotation

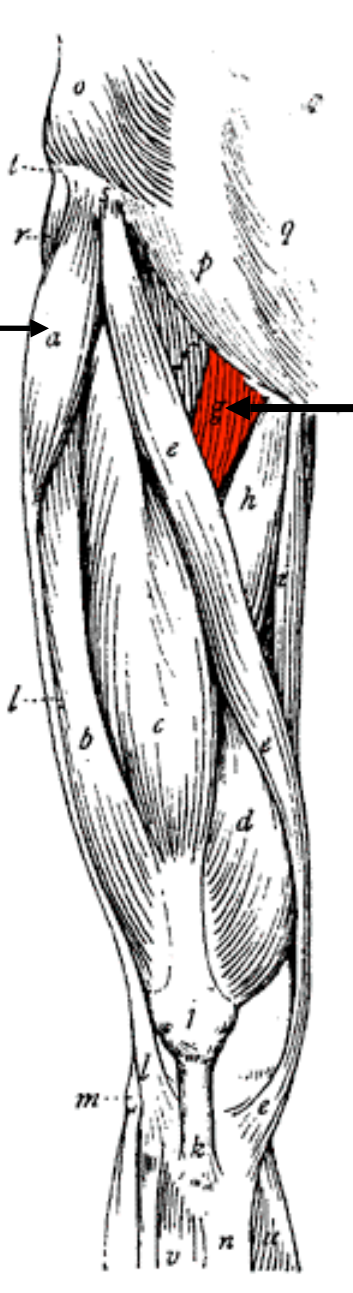


Pectineous

- O: pubic crest or ramus
- I: below the linea aspera
- Actions
 - Flexion
 - Adduction
 - External rotation



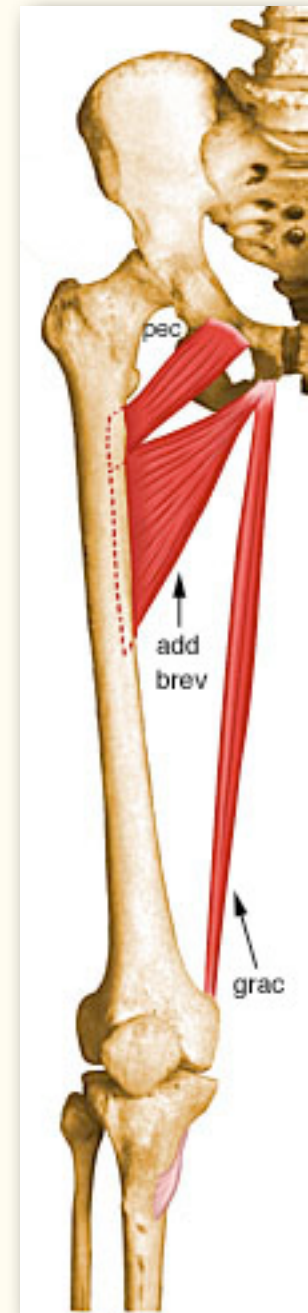
Tensor Fasciae Latae

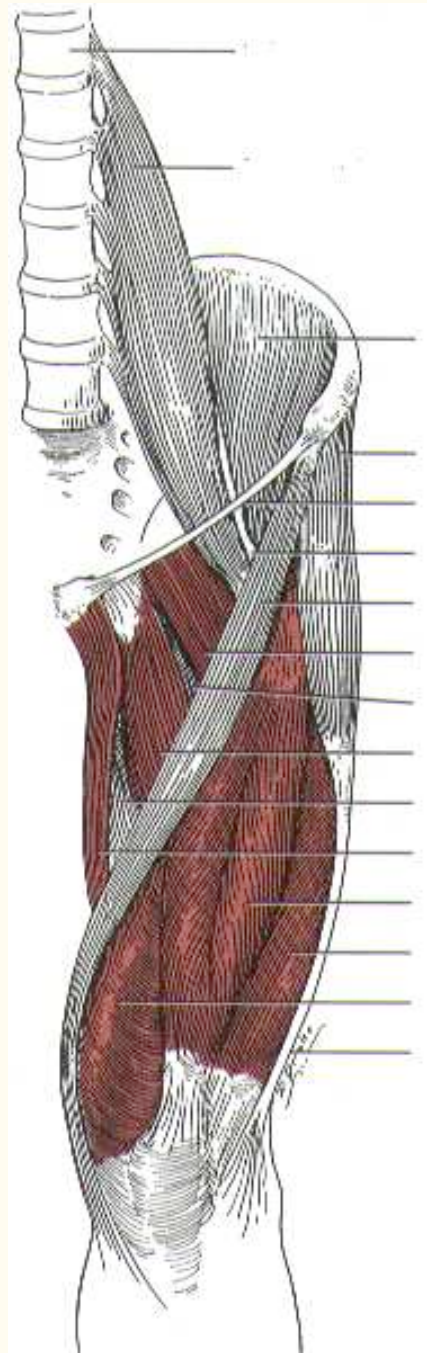
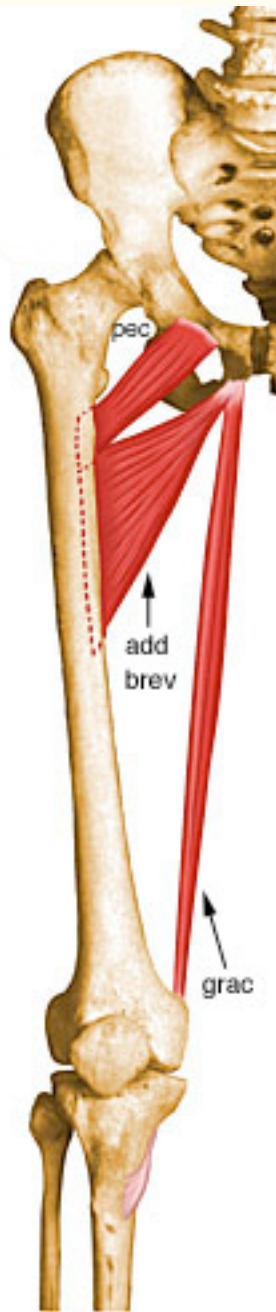
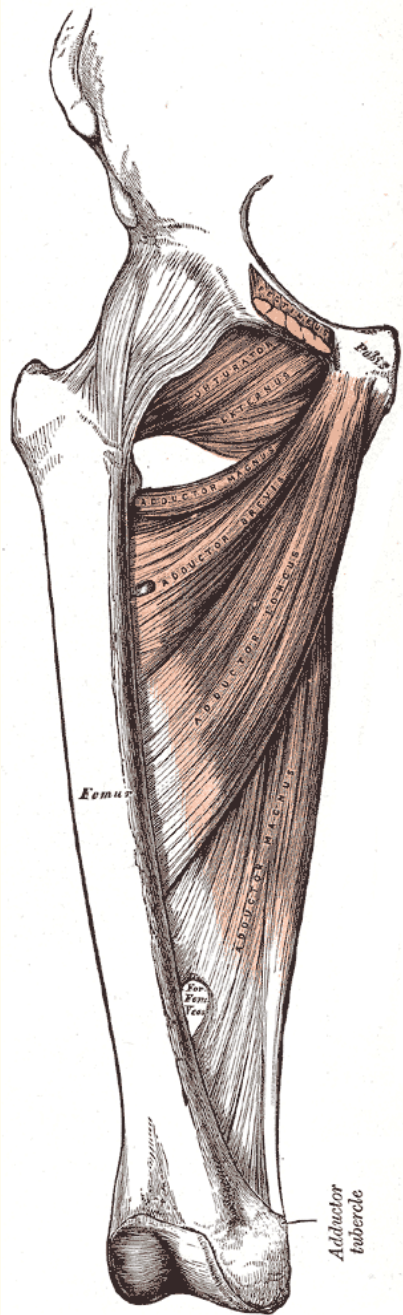


Pectineus

Adductor Brevis

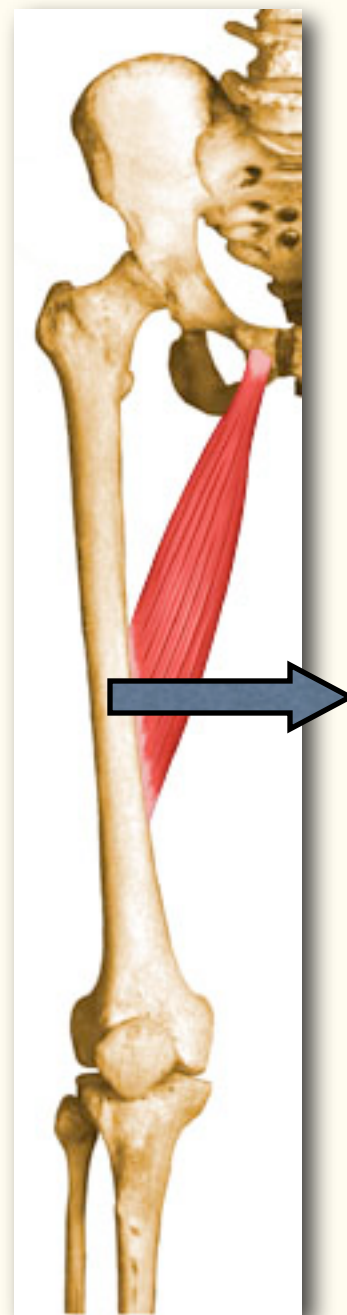
- Origin: Inferior ramus of pubis
- Insertion: Pectineal line (linea aspera)
- Actions:
 - Adduction
 - External rotation
 - Flexion (weak)





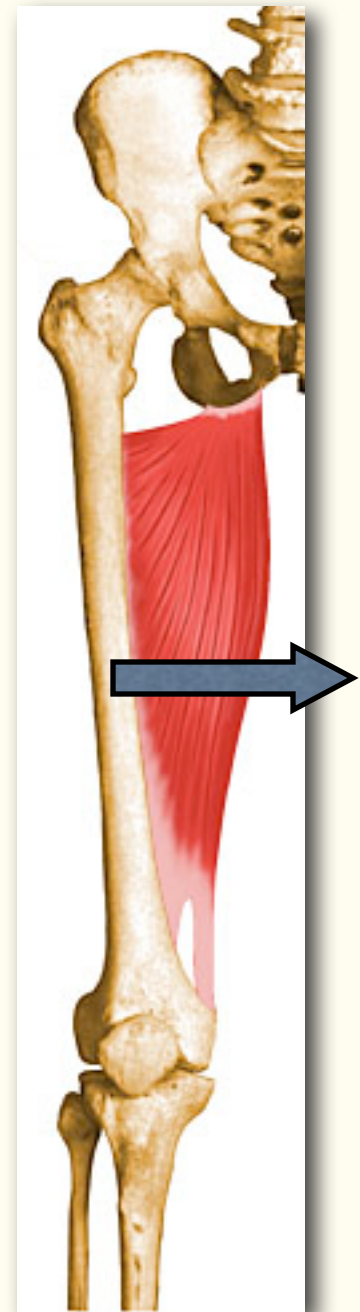
Adductor Longus

- Below the adductor brevis
- O: front of the pubis just below its crest
- I: middle third of the linea aspera
- Actions:
 - Adduction
 - Flexion (weak)



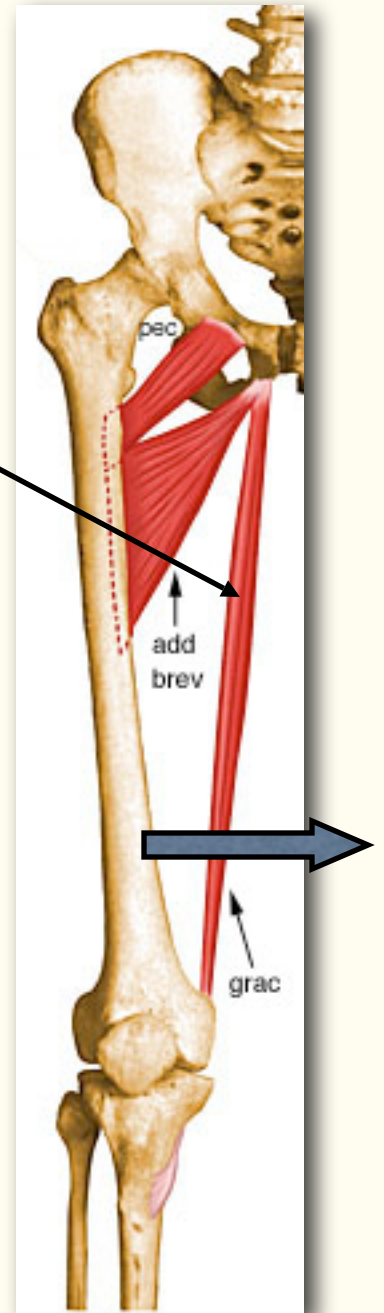
Adductor Magnus

- Located posterior to the longus
- O: edge of the pubic crest and ischial tuberosity
- I: linea aspera
- Actions:
 - Adduction
 - External rotation
 - Extension



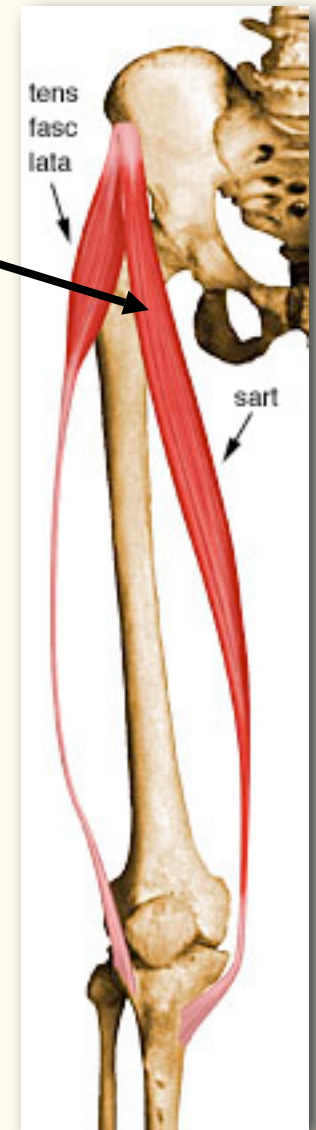
Gracilis

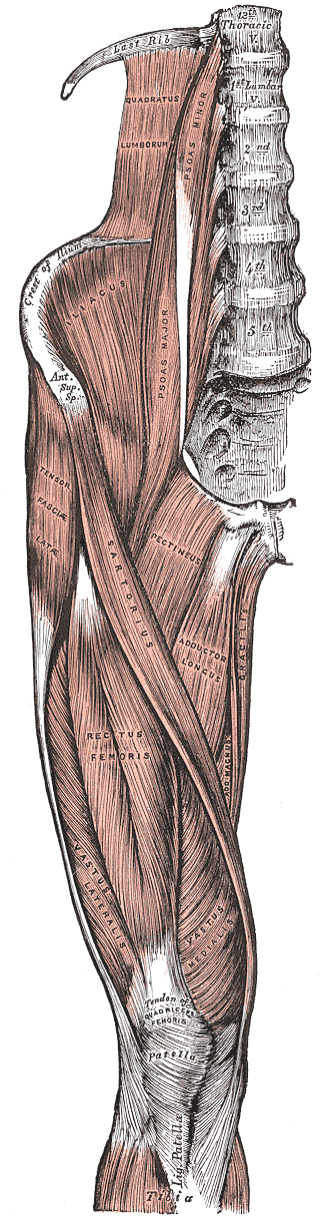
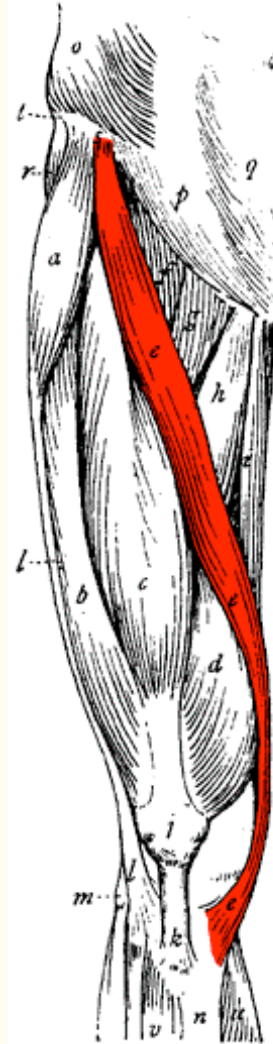
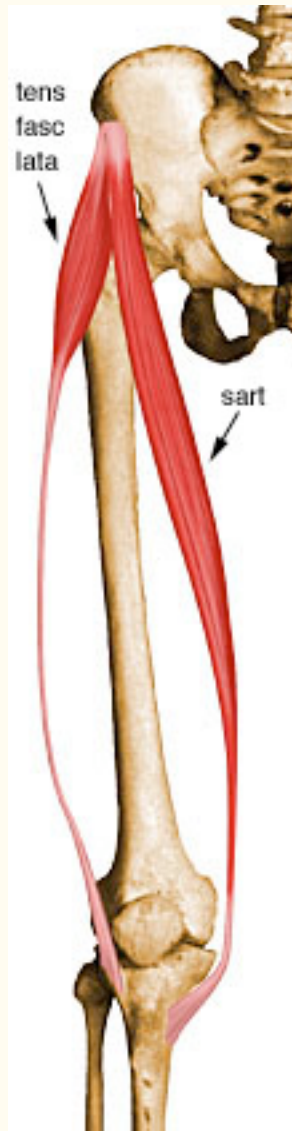
- O: pubic crest
- I: medial condyle of tibia
- Actions:
 - Adduction at the hip
 - Internal rotation
 - Flexion (weak)



Sartorius

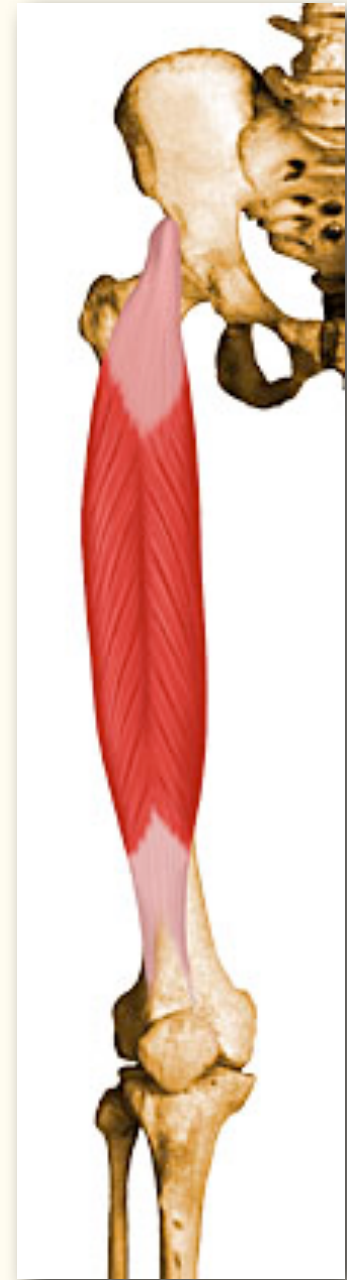
- Origin: Anterior-superior spine of the ilium
- Insertion: Anterior medial condyle of the tibia (behind the medial condyle)
- Action:
 - Flexion of hip
 - External rotation of the hip
 - Abduction



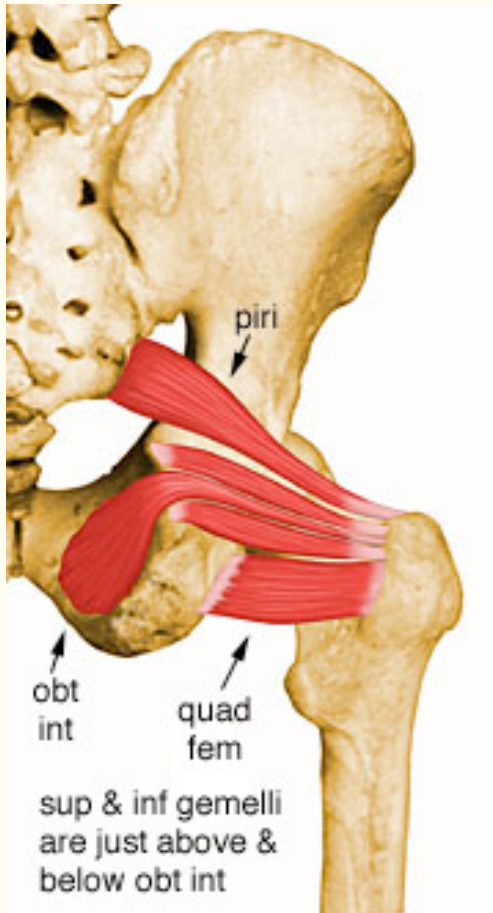


Rectus Femoris

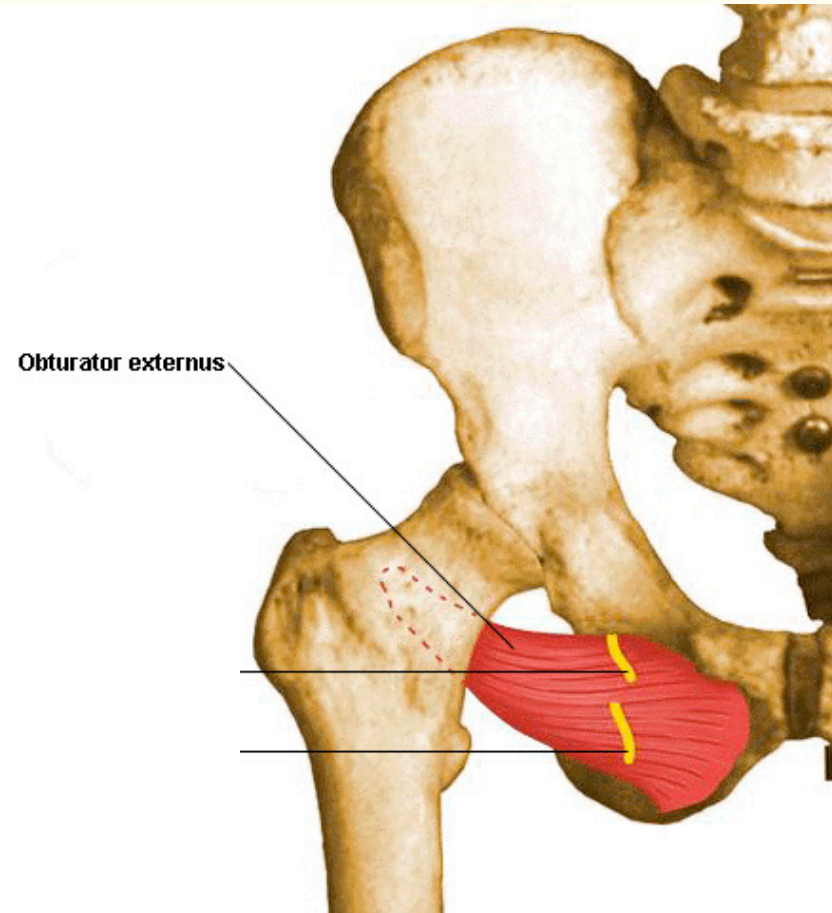
- Origin: anterior-inferior iliac spine of the ilium
- Insertion: top of the patella and patellar ligament to the tibial tuberosity
- Action: Flexion of the hip



Hip Rotator Muscles



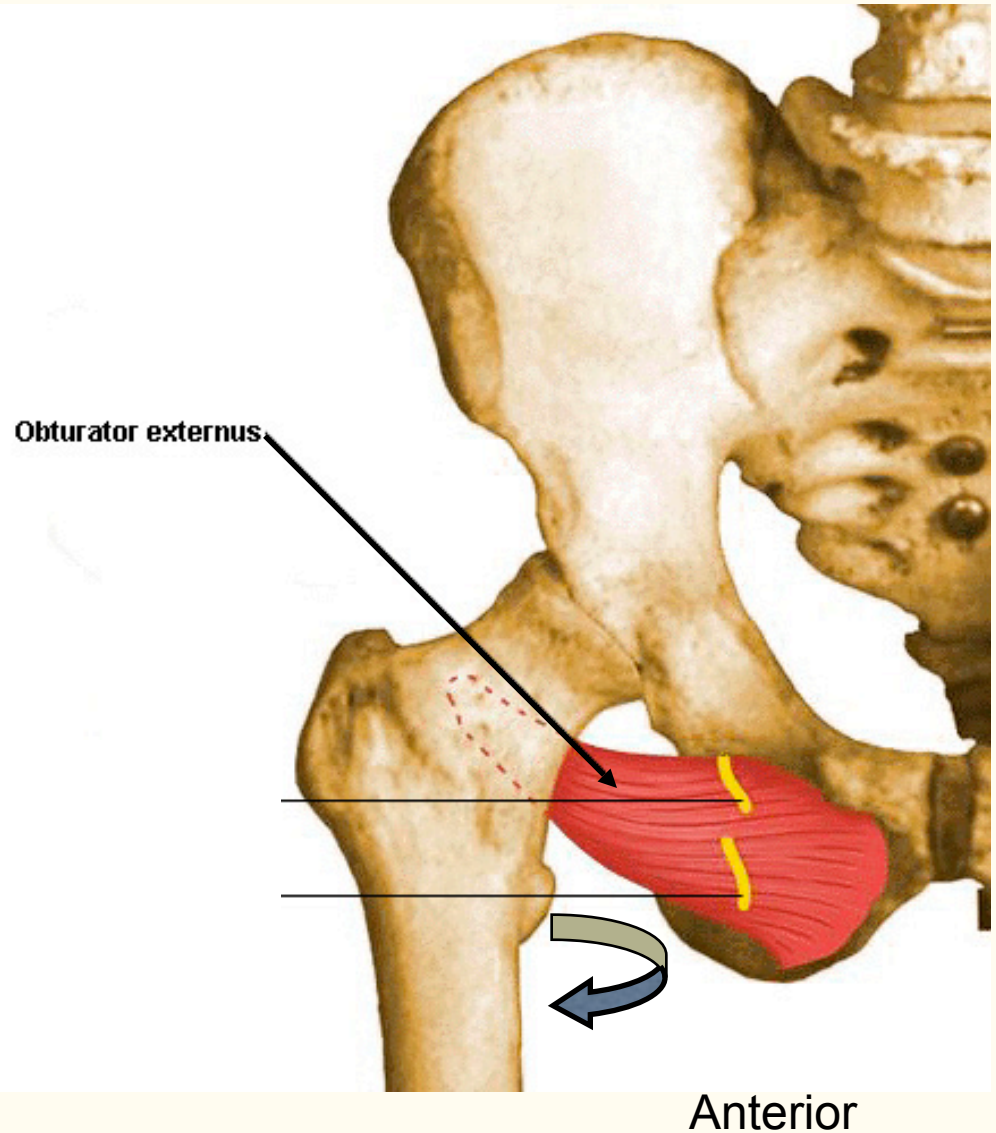
Posterior



Anterior

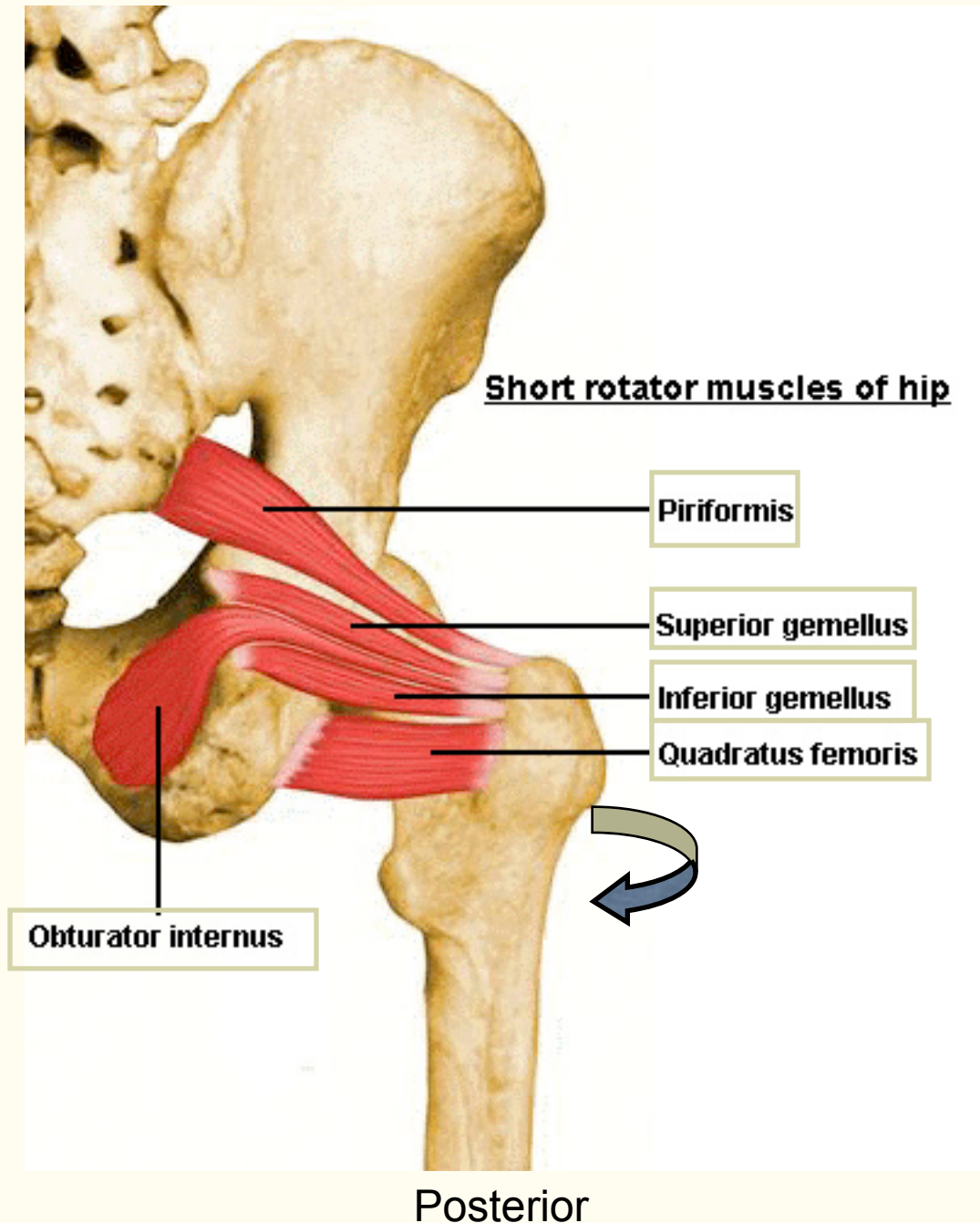
Hip Rotator Muscles

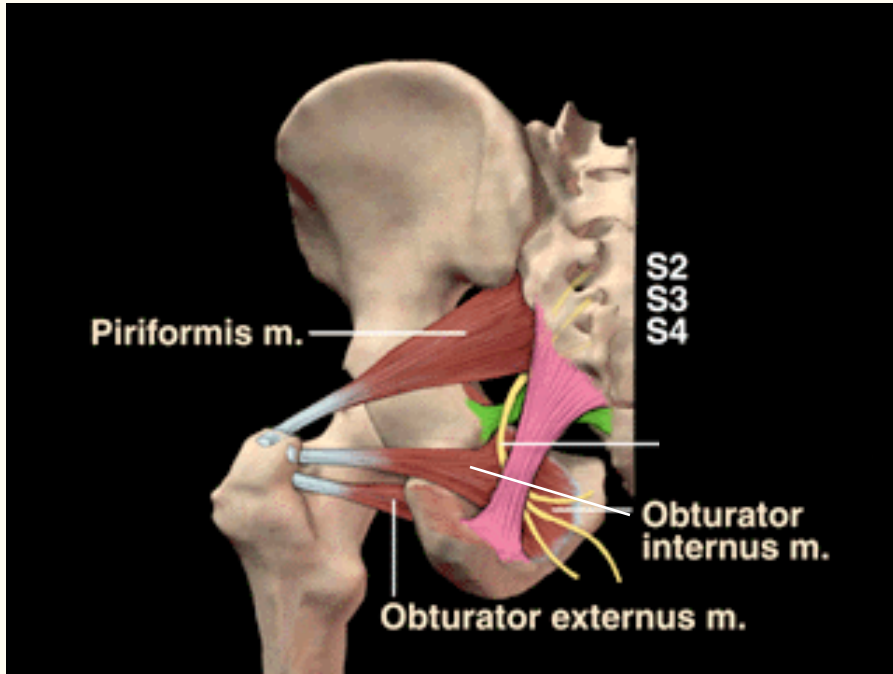
- ANTERIOR
- Obturator Externus



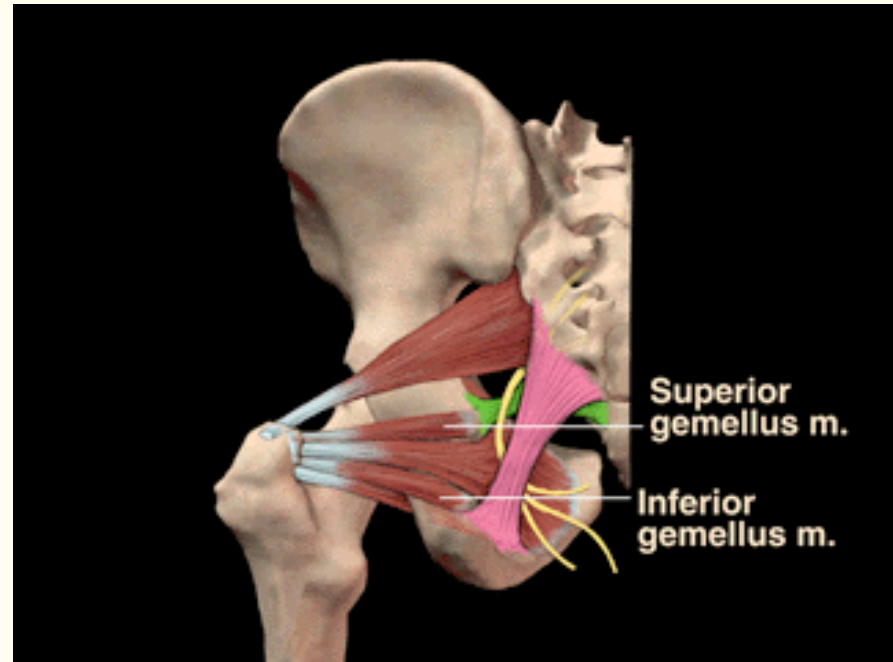
Hip Rotator Muscles

- POSTERIOR
- Piriformis
- Gemellus superior
- Obturator internus
- Gemellus inferior
- Quadratus femoris





Posterior



Posterior

Six Hip Rotator Muscles

- Common action is External Rotation
- Powerful external rotation of the hip is required to throw a baseball, swing a bat or golf club.
- The sciatic nerve passes just inferior to the piriformis therefore a tight piriformis muscle may contribute to compression on the sciatic nerve.