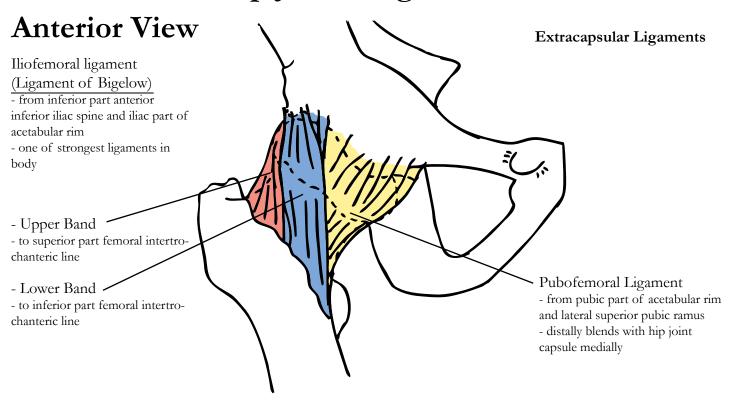
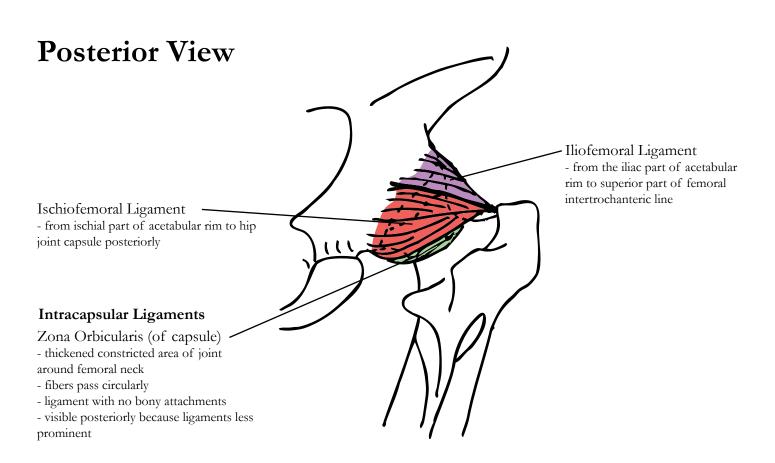
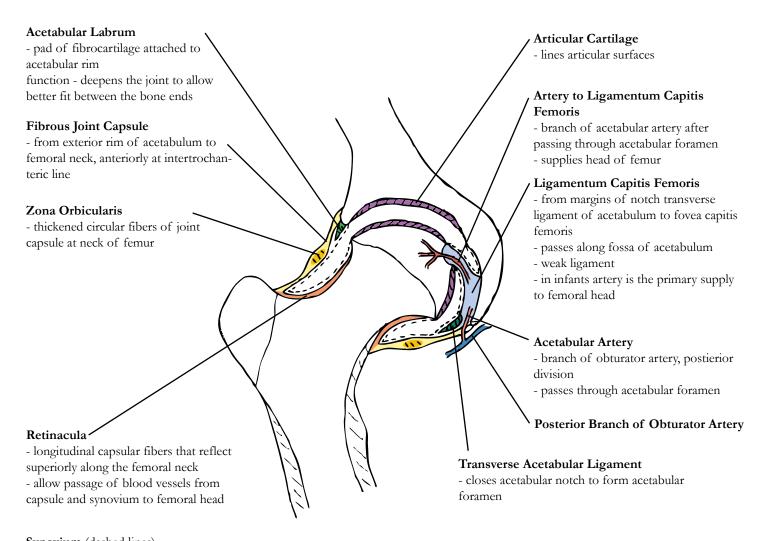
Hip Joint - Ligaments





Hip Joint - Cross Section



Synovium (dashed lines)

- lines all structures within joint capsule except bony articular surfaces
- part that lines retinacula are raised into folds and vessels pass through these

Medial (lateral) Femoral Circumflex Artery (not pictured)

- ascending branch passes along the femoral intertrochanteric crest(*line*) and gives rise to branches which pass through the retinacula to supply the femoral head and neck
- anastomose with branches in the femoral head

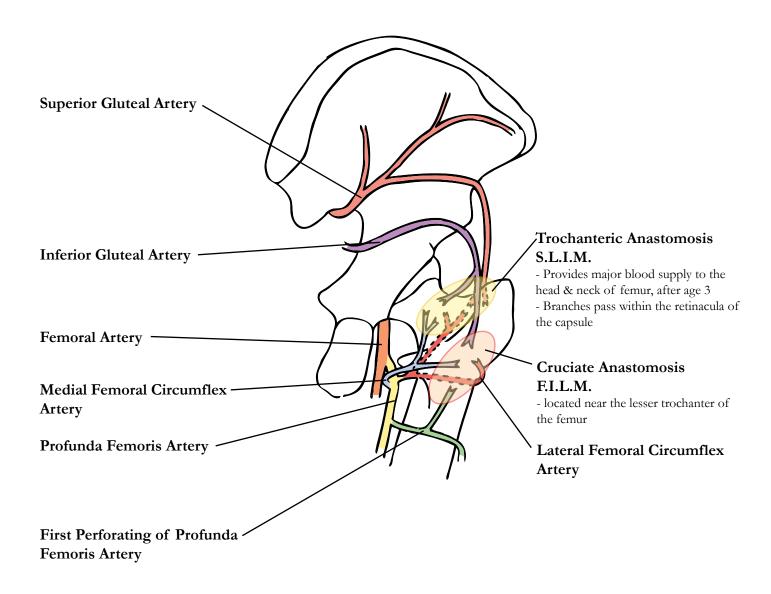
Superior Gluteal Artery (not pictured)

- branch that arise from the deep branch and continue laterally and inferiorly to supply the hip joint

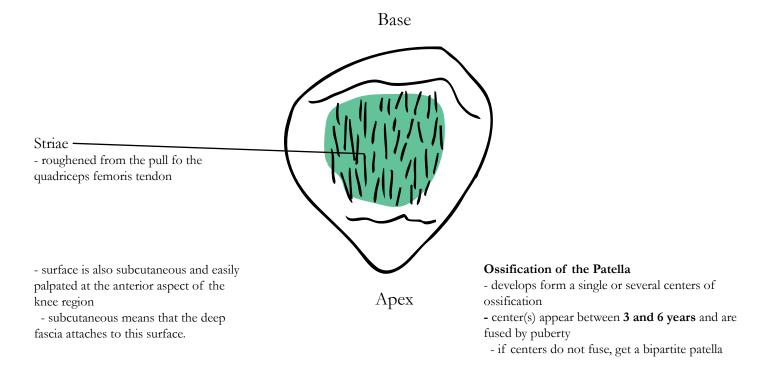
Inferior Gluteal Artery (not pictured)

- branch(es) which pass laterally and inferiorly to supply the piriformis and superior gemellus muscles then continue to the hip joint

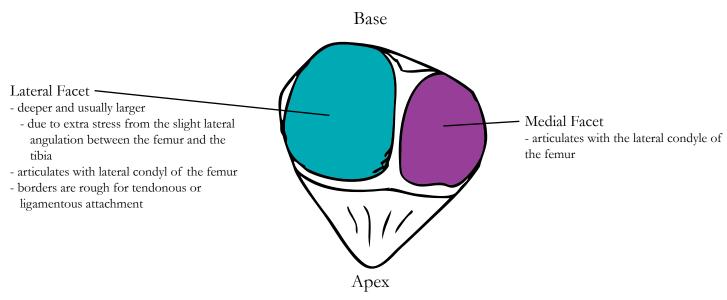
Hip Anastamoses Posterior View



Patella - Anterior View



Patella - Posterior View

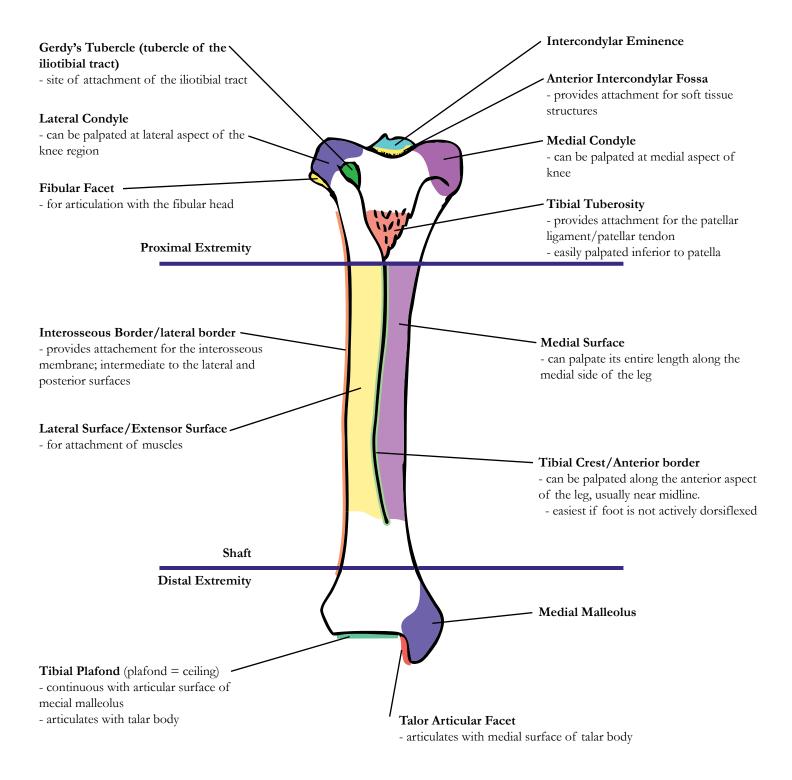


- most of this surface is smooth for articulation with the femoral condyles
- the medial, lateral and superior edges are rough for attachment of the quadriceps femoris tendon

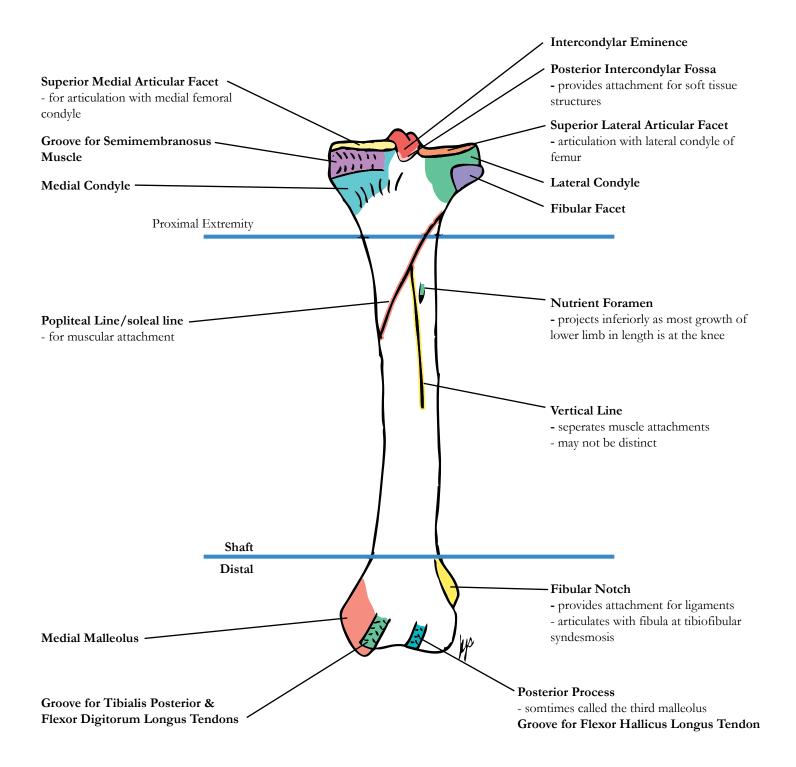
Patella

- aka: knee cap
- largest sesmoid bone in the body
- articulates only with the femur
- provides leverage for the quadriceps femoris muscle
- know left from right (this is left)

Tibia Anterior View

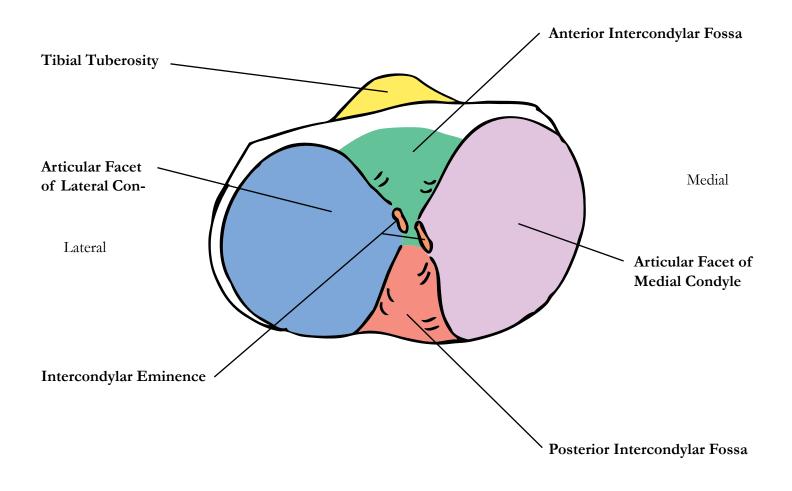


Tibia Posterior View



Tibia Superior View

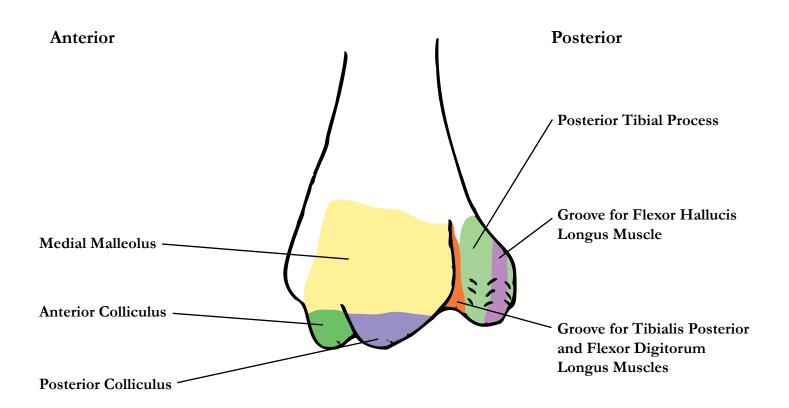
Anterior



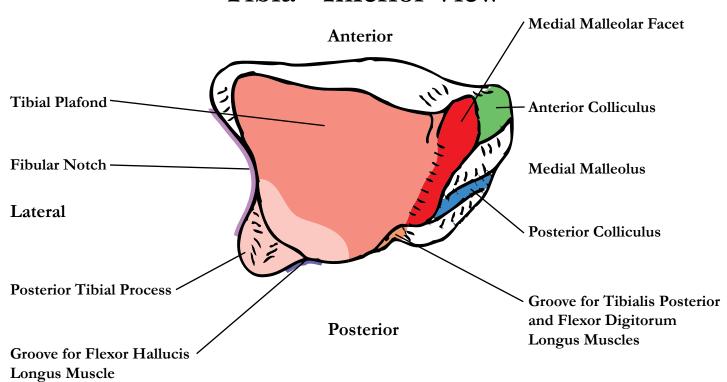
Posterior

^{*}Left Tibia

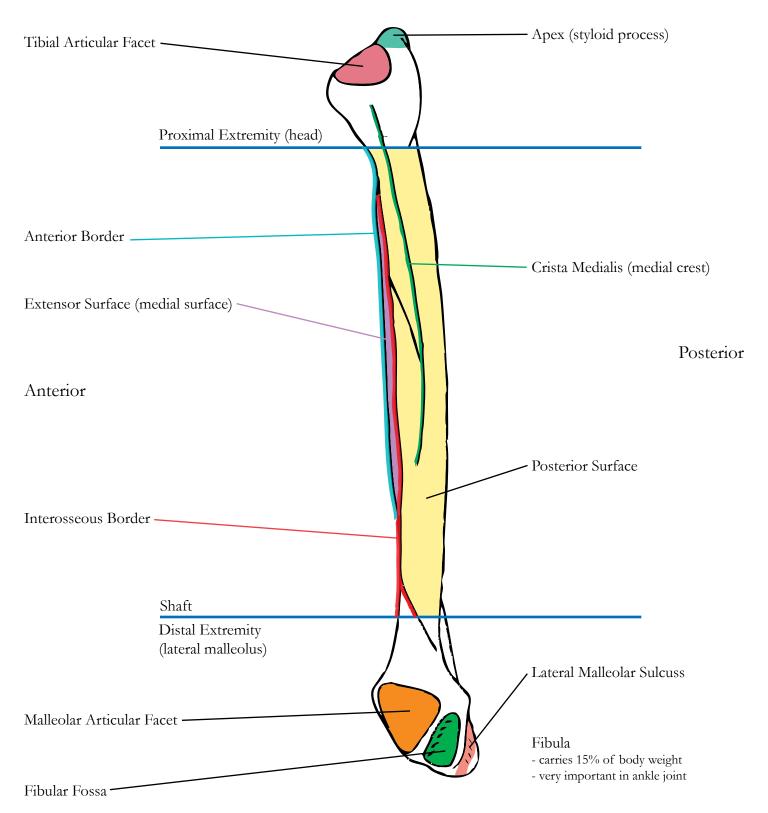
Tibia - Medial View



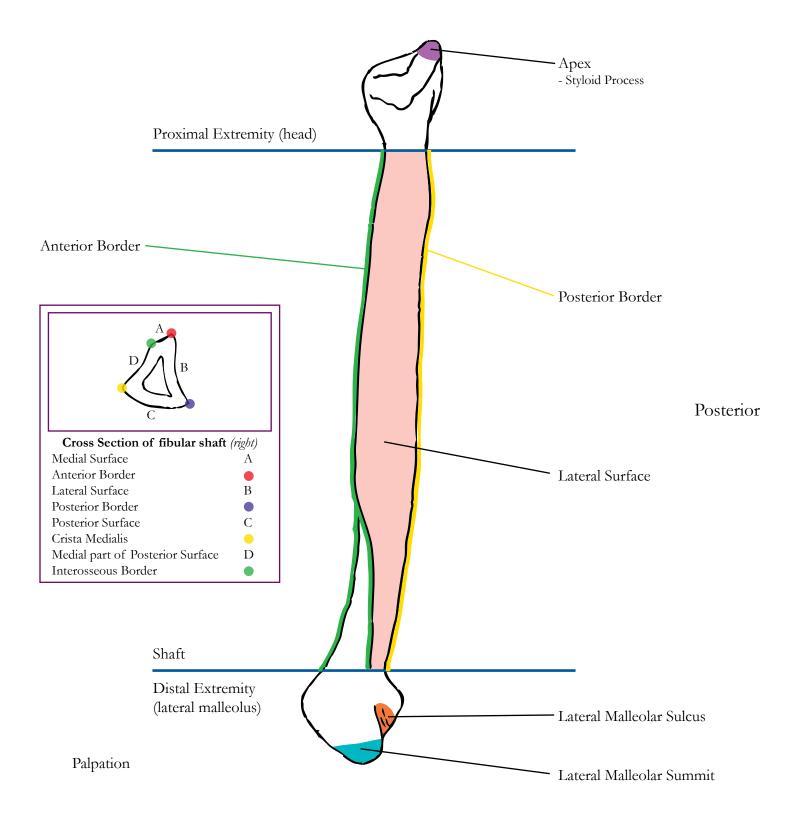
Tibia - Inferior View



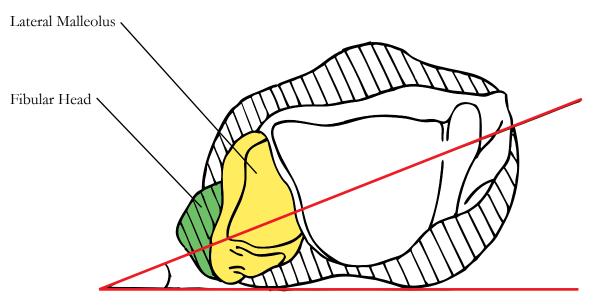
Fibula Medial View



Fibula Lateral View

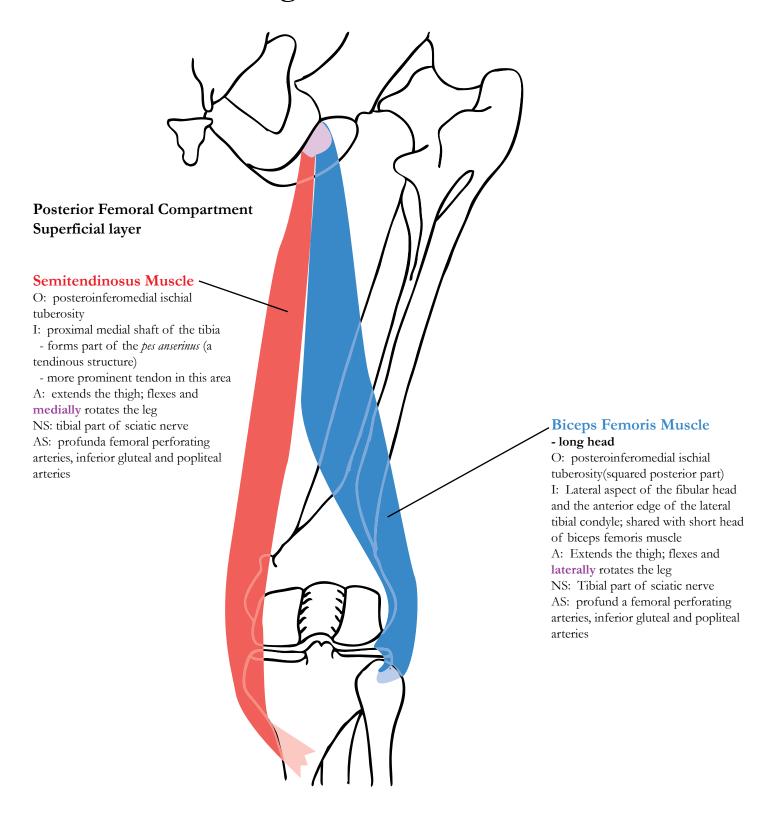


Tibiofibular Torsion

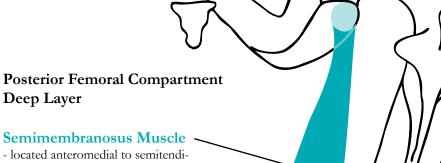


18 - 23 external in adults decreased in children (0 at birth)

Thigh - Posterior View



Thigh - Posterior View



nous muscle

O: posterosuperolateral part of ischial tuberosity

I: groove for semimembranosus muscle and the posterior knee joint as the oblique popliteal ligament and fascia over the popliteus muscle

A: extends the thigh; flexes and medially rotates the leg

NS: tibial part of sciatic nerve AS: profunda femoral perforating arteries, inferior gluteal and popliteal arteries

Biceps Femoris Muscle

- short head

O: lateral lip of the linea aspera and lateral supracondylar line (also the posterior femoral intermuscular septum)

I: Lateral aspect of the fibular head and lateral tibial condyle; shared with long head of biceps femoris muscle A: flexes and laterally rotates the leg NS: common fibular part of sciatic

AS: profund a femoral perforating arteries and popliteal arteries

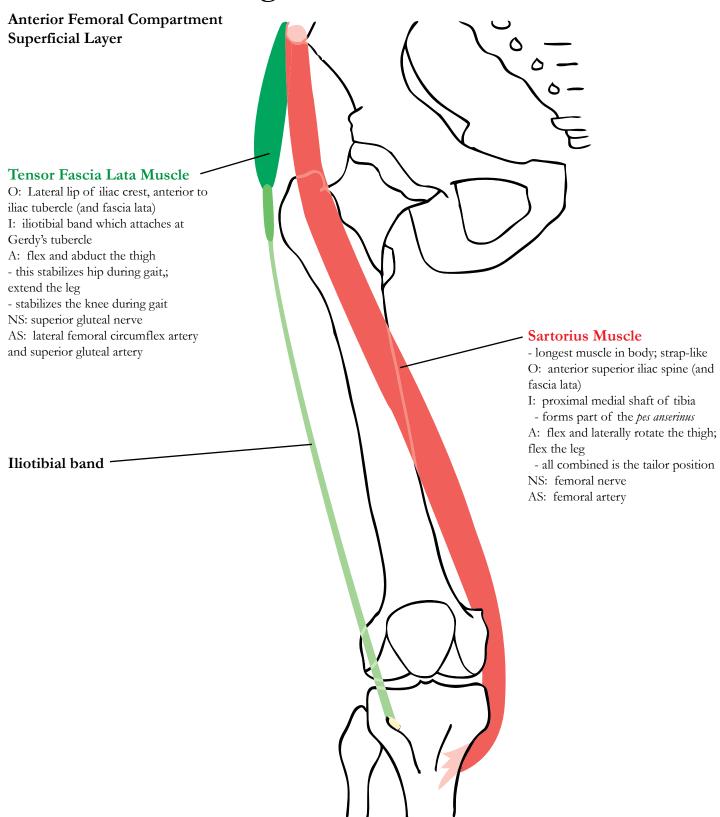
Hamstring Muscles

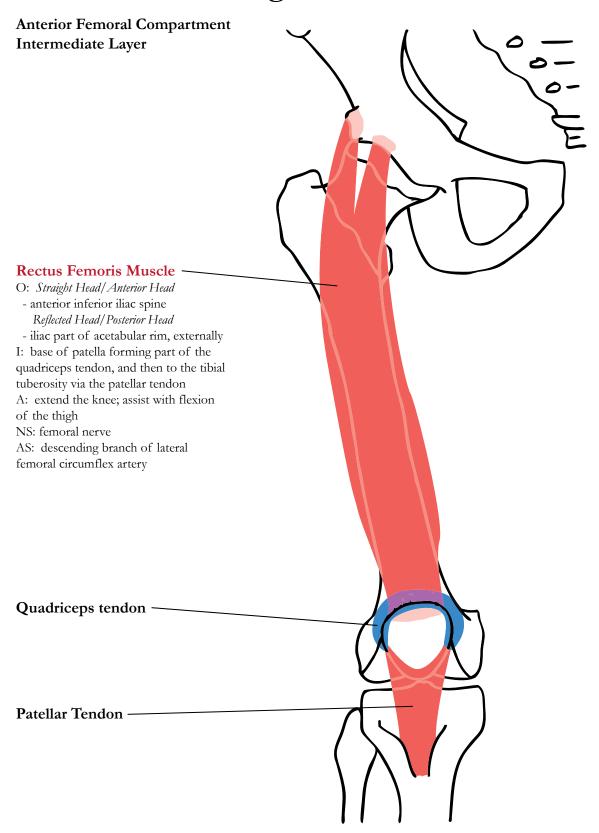
O: ischial tuberosity

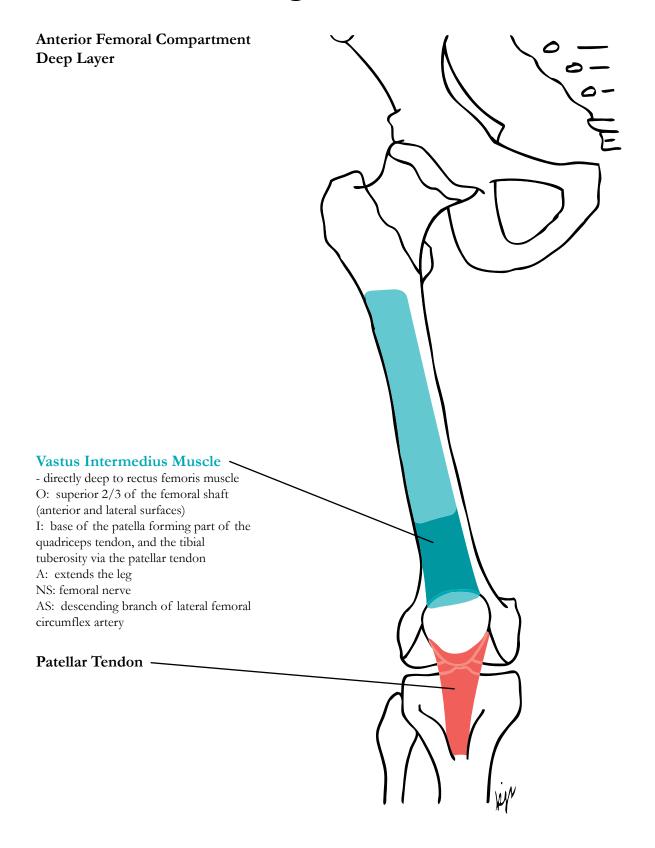
A: extend the thigh and lex the leg

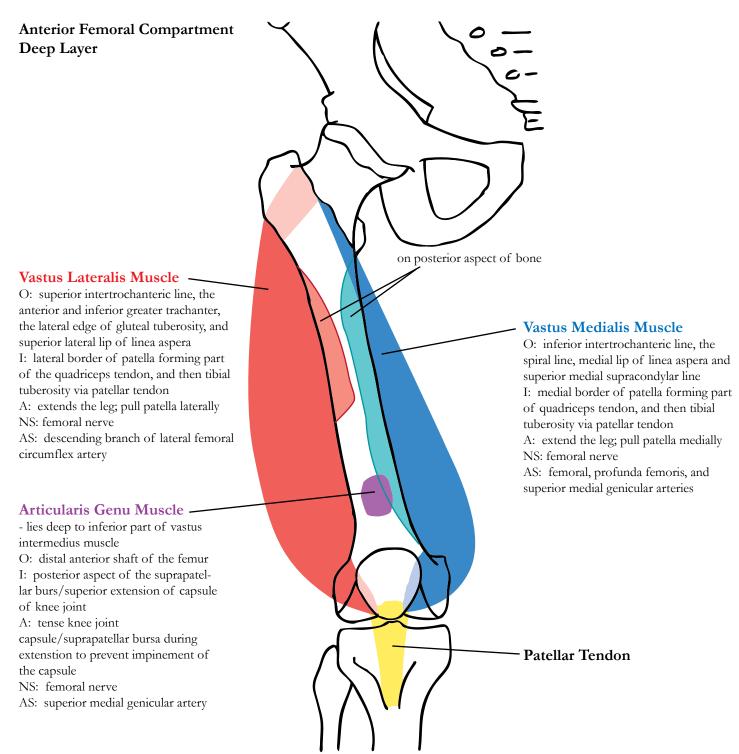
NS: sciatic nerve

- 1. Biceps femoris muscle
- 2. Semitendinosus muscle
- 3. Semimembranosus muscle









Quadriceps Femoris Muscle

- four of the anterior compartment thigh muscles, considered as one together they form the *quadricens tendon*. The quadricens tendon
- together they form the *quadriceps tendon*. The quadriceps tendon attaches the quadriceps femoris muscle to the patella. The quadriceps tendon also envelopes the patella and forms the *patellar tendon* which inserts onto the tibial tuberosity. (the patellar tendon is also called the patellar ligament or ligamentum patellae
- I: base of patella, then the tibial tuberosity through the patellar tendon

A: extend the leg; aid in flexion of the hip NS: femoral nerve

- 1. Rectus Femoris Muscle
- 3. Vastus Lateralis Muscle
- 2. Vastus Medialis Muscle
- 4. Vastus Intermedius Muscle