Attachment related to greater trochanter:

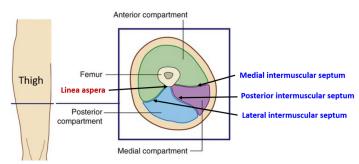
- The upper part of the greater trochanter is the insertion point for the piriformis muscle.
- The front of the greater trochanter is where the gluteus minimus muscle inserts.
- The lateral aspect of the greater trochanter is the insertion point for the gluteus medius muscle.
- The medial surface of the greater trochanter serves as the insertion point for the superior and inferior gemelli muscles.
- Above the trochanteric fossa, on the greater trochanter, is the insertion point for the obturator internus muscle.
- The trochanteric fossa, located on the inferior portion of the medial surface of the greater trochanter, is the insertion point for the obturator externus muscle.
- The femoral attachment of the ischiofemoral ligament is also associated with the greater trochanter.

Structures related to Linea Aspera

- 1. The intermuscular septa are attached to the linea aspera.
- 2. One point of origin of the vastus medialis is the linea aspera.
- 3. One point of origin of the vastus lateralis is the linea aspera.
- 4. One point of origin of the short head of the biceps femoris is the linea aspera.
- 5. One point of insertion of the adductor brevis is the linea aspera.
- 6. The insertion of the adductor longus is the linea aspera.
- 7. One point of insertion of the pubic part of the adductor magnus is the linea aspera.

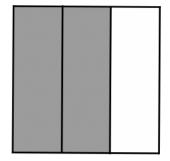
Intermuscular septa

- Fascia lata sends three intermuscular septa (lateral, posterior and medial), which are attached
 to the linea aspera of femur and divide the muscles of thigh into three compartments.
 - Extensor /anterior compartment between lateral and medial septa.
 - Adductor/medial compartment between medial and posterior septa.
 - Flexor/ posterior compartment beteen posterior and lateral septa.



All goes around two-thirds:

Vastus intermedius: Originates from the upper two-thirds of the anterior and lateral surface of the shaft of the femur.



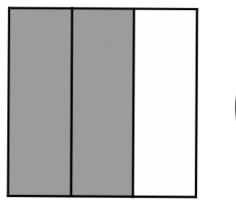
Peroneus longus: Originates from the upper two-thirds of the lateral surface of the fibula.



Peroneus brevis: Originates from the lower two-thirds of the lateral surface of the fibula.

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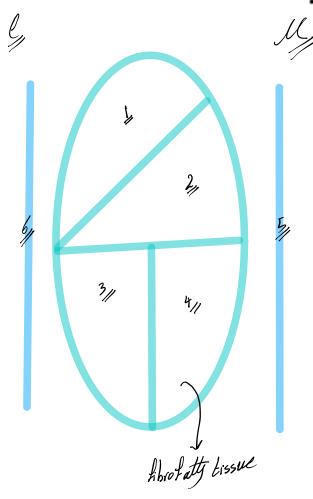
Tibialis anterior: Originates from the upper two-thirds of the lateral surface of the tibia. **Flexor hallucis longus**: Originates from the lower two-thirds of the posterior surface of the fibula.

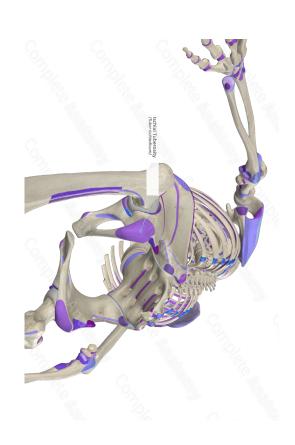




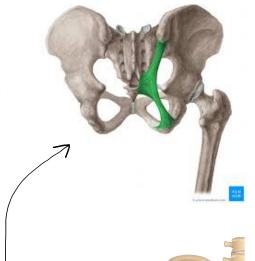
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Ischial tuberosity:





- Upper lateral part of the upper area:
 Origin of the semimembranosus muscle.
- Lower medial part of the lower area:
 Origin of the semitendinosus and long head of the biceps femoris muscles.
- 3. Lateral part of the lower area: Origin of the ischial part of the adductor magnus muscle.
- 4. **Medial part of the lower area**: Sitting place.
- 5. **Medial border**: Attached to the sacrotuberous ligament.
- 6. **Lateral border**: Origin of the quadratus femoris muscle.





Muscles and Their Innervations

Femoral Nerve

- Quadriceps Femoris: Innervated by the femoral nerve, with a branch to each head.
- Iliacus: Innervated by the femoral nerve.
- Sartorius: Innervated by the femoral nerve.

Sectul &

Lumbar Plexus

Psoas Major: Innervated by the lumbar plexus.

Sciatic Nerve

 Adductor Magnus (Ischial Part): Innervated by the sciatic nerve.

Obturator Nerve

- Adductor Magnus (Pubic Part): Innervated by the obturator nerve.
- Obturator Internus: Innervated by the obturator nerve.
- Adductor Brevis: Innervated by the obturator nerve.
- Adductor Longus: Innervated by the obturator nerve.
- Gracilis: Innervated by the obturator nerve.

Dual Innervation

• **Pectineus**: Innervated by both the femoral nerve and the obturator nerve.

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Sacral Plexus

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- Piriformis: Innervated by the sacral plexus, nerve to piriformis.
- Obturator Internus: Innervated by the sacral plexus, nerve to obturator internus.
- Quadratus Femoris: Innervated by the sacral plexus, nerve to quadratus femoris.

Nerve to Obturator Internus

 Superior Gemellus: Innervated by the nerve to obturator internus.

Nerve to Quadratus Femoris

 Inferior Gemellus: Innervated by the nerve to quadratus femoris.

Superior Gluteal Nerve (from Sacral Plexus)

+ 6 Intens Medius

- Gluteus Minimus: Innervated by the superior gluteal nerve.
- Tensor Fasciae Latae: Innervated by the superior gluteal nerve.

Inferior Gluteal Nerve (from Sacral Plexus)

 Gluteus Maximus: Innervated by the inferior gluteal nerve.

Muscles and Their Innervations

Tibial Part of Sciatic Nerve

- Long Head of Biceps Femoris: Innervated by the tibial part of the sciatic nerve.
- Semimembranosus: Innervated by the tibial part of the sciatic nerve.
- Semitendinosus: Innervated by the tibial part of the sciatic nerve.

Common Peroneal Part of Sciatic Nerve

 Short Head of Biceps Femoris: Innervated by the common peroneal part of the sciatic nerve.

Superficial Peroneal Nerve

- Peroneus Longus Muscle: Innervated by the superficial peroneal nerve.
- Peroneus Brevis Muscle: Also innervated by the superficial peroneal nerve.

Deep Peroneal Nerve

- Tibialis Anterior Muscle: Innervated by the deep peroneal nerve.
- Extensor Digitorum Longus Muscle:
 Innervated by the deep peroneal nerve.
- Extensor Hallucis Longus Muscle:
 Innervated by the deep peroneal nerve.
- Peroneus Tertius Muscle: Also innervated by the deep peroneal nerve.

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Tibial Nerve

Plantaris Muscle: Innervated by the tibial nerve.

 Gastrocnemius Muscle: Innervated by the tibial nerve.

Double Nerve Supply

 Soleus Muscle: Innervated by both the tibial nerve and the posterior tibial nerve.

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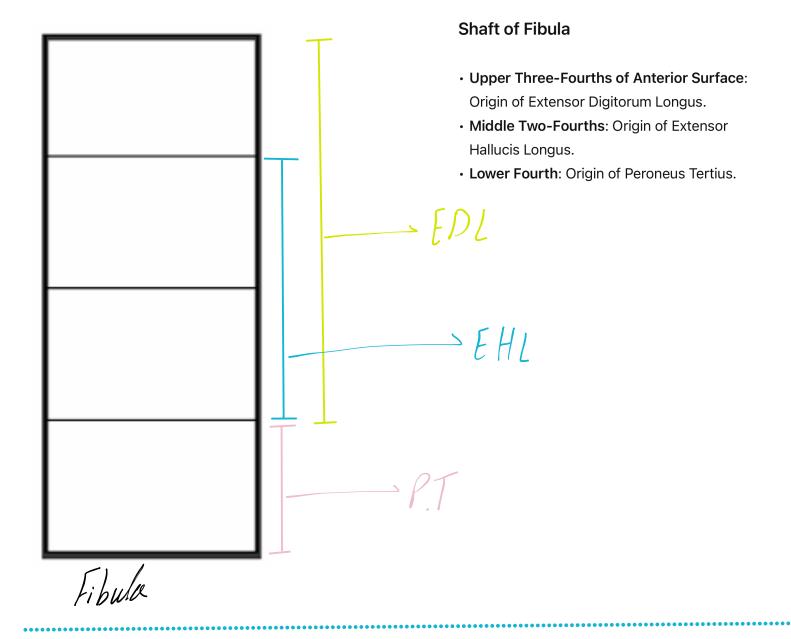
Posterior Tibial Nerve

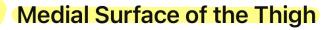
- **Tibialis Posterior**: Innervated by the posterior tibial nerve.
- Flexor Digitorum Longus: Innervated by the posterior tibial nerve.
- Flexor Hallucis Longus: Innervated by the posterior tibial nerve.

Tibial Nerve

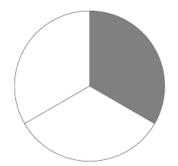
• Popliteus: Innervated by the tibial nerve.

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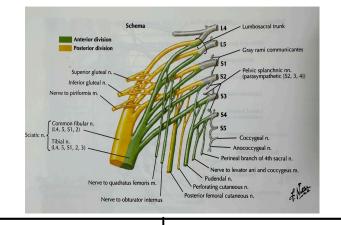
• Middle Third: Location of Adductor Canal.



Medial Border of Tibia

 Middle Third: Included in the origin of Soleus Muscle.

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batterier division

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Locking "extension"

un loaking "flexion"

-> pussive no Musculy action

> Anterior cruciate liganet

> pussive marial votation of the femor over time or Lateral votation of leg => Achive, Urscular achien

=> popliteus Muscle

=> Sochive lateral volution of the femous over the tibia cer (Malial volution of tibia)