

G28: Hip and Posterior Thigh



Syllabus - Pg. 20

2) Fascia of Lower Limb

Superficial fascia

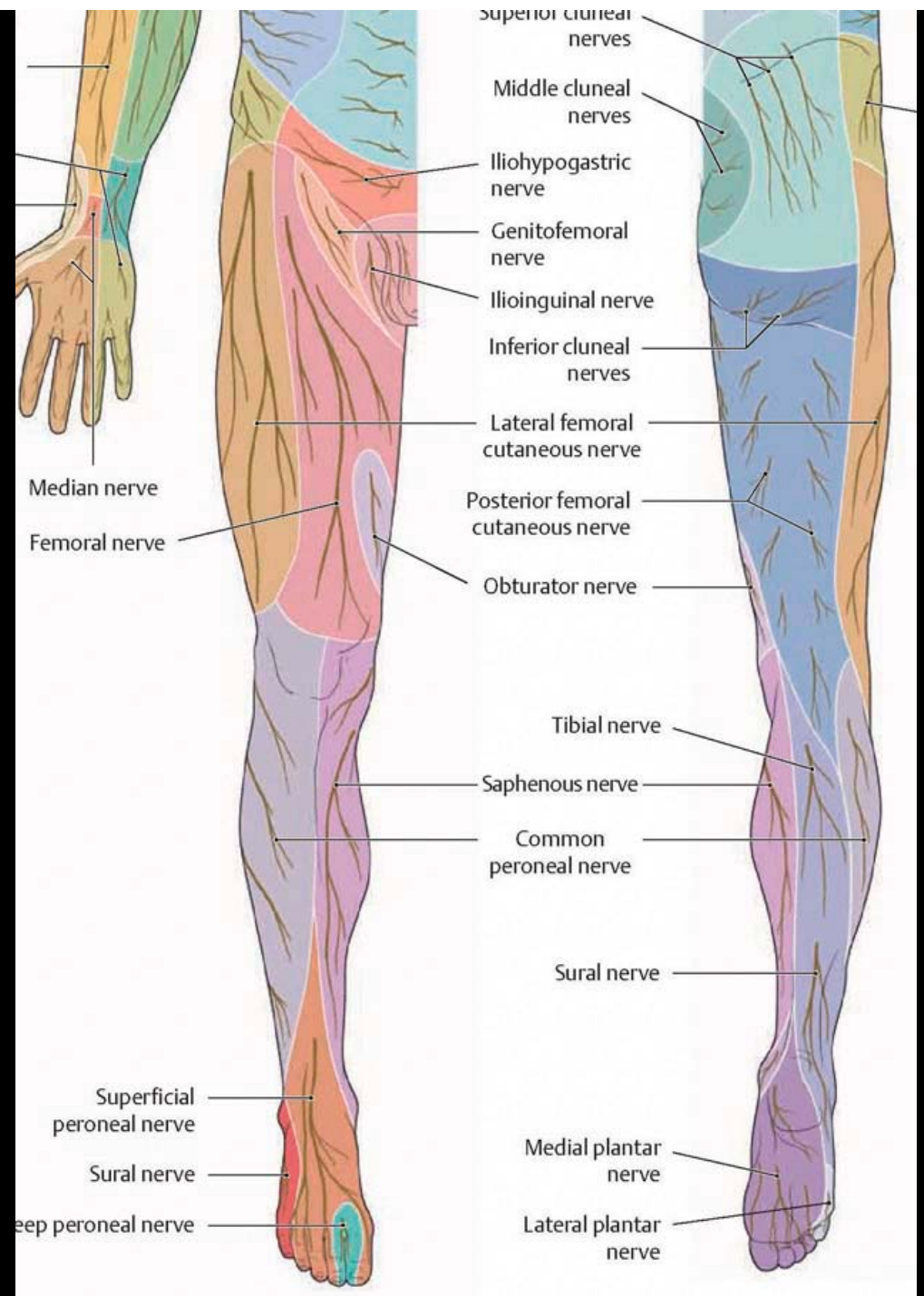
- Greater saphenous v.
- Lesser saphenous v.
- Cutaneous nn.

Deep Fascia



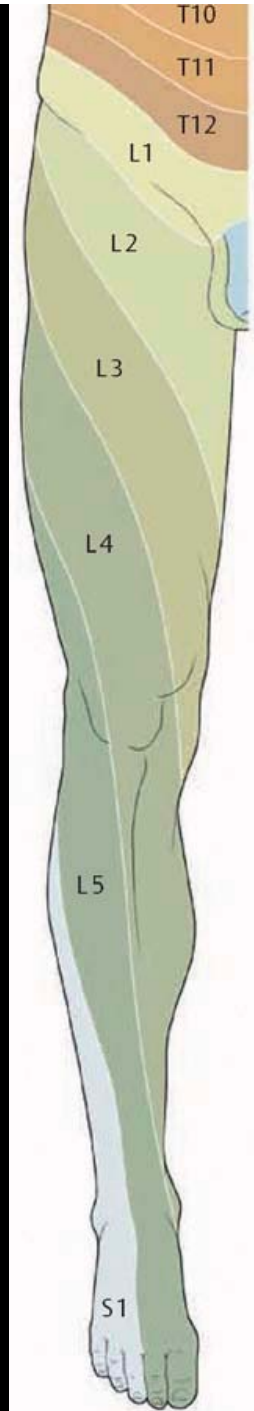
1) Cutaneous innervation

Cutaneous nn.



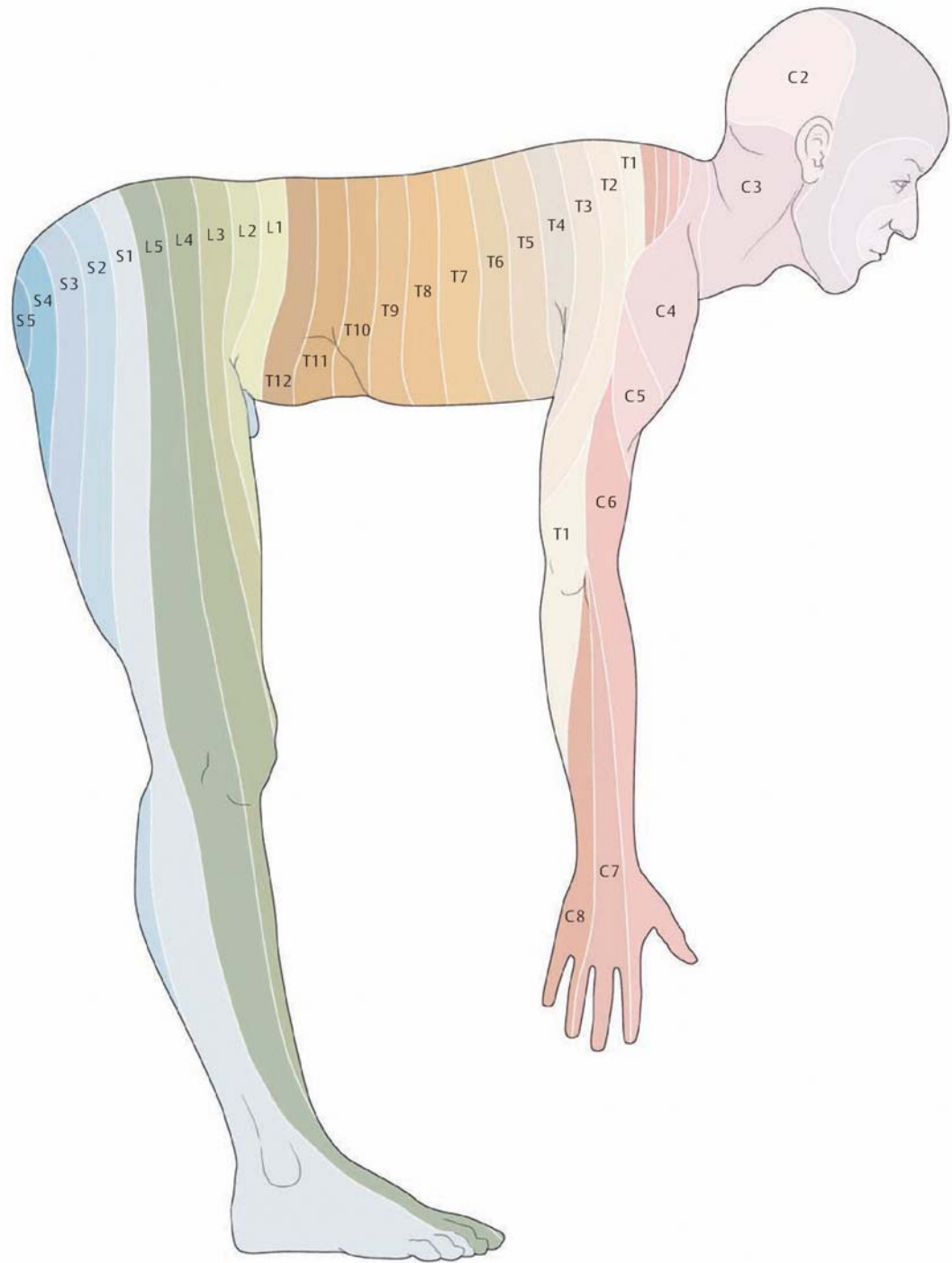
1) Cutaneous innervation

Dermatomes



1) Cutaneous innervation

Dermatomes

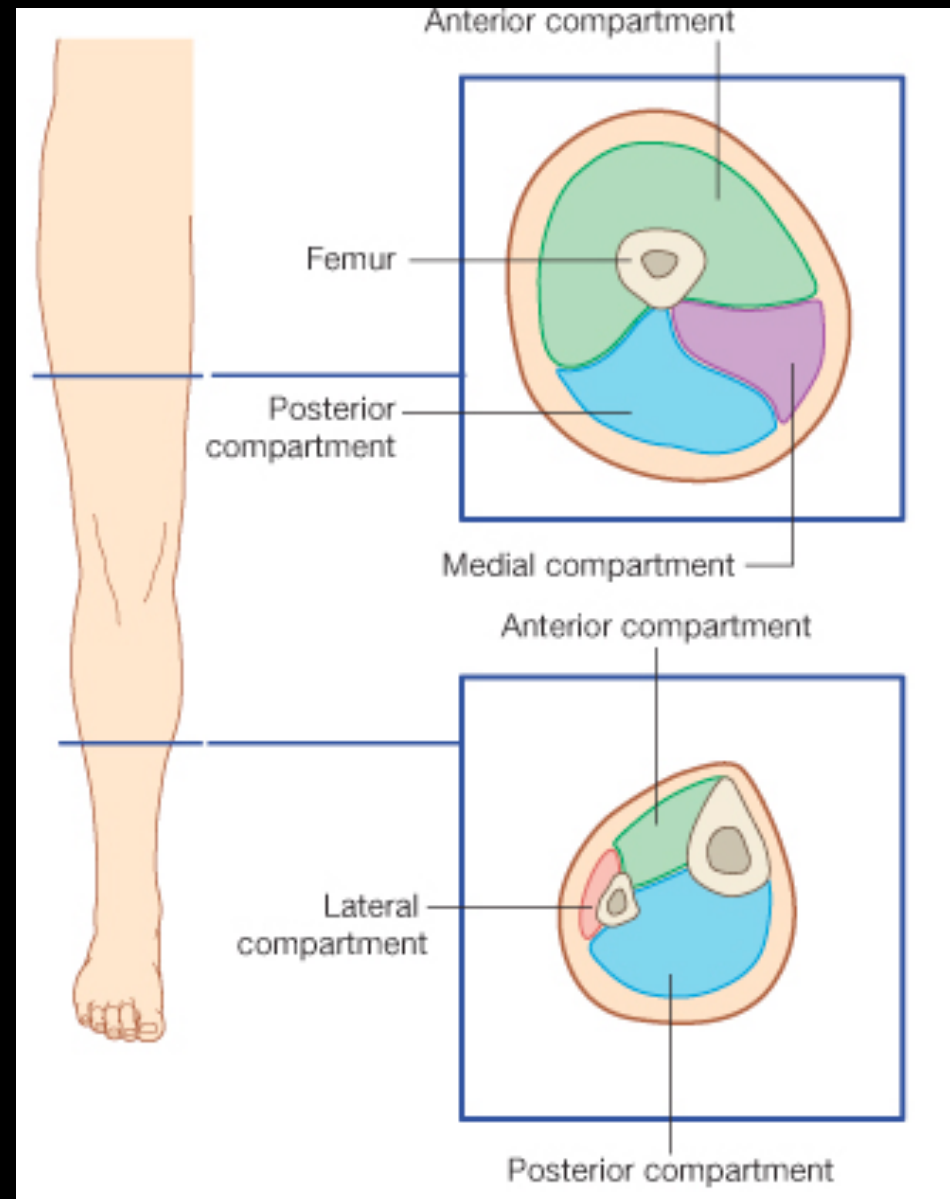


2) Fascia of Lower Limb

Superficial fascia

Deep Fascia

- Thigh-Fascia lata
- Leg-Crural fascia

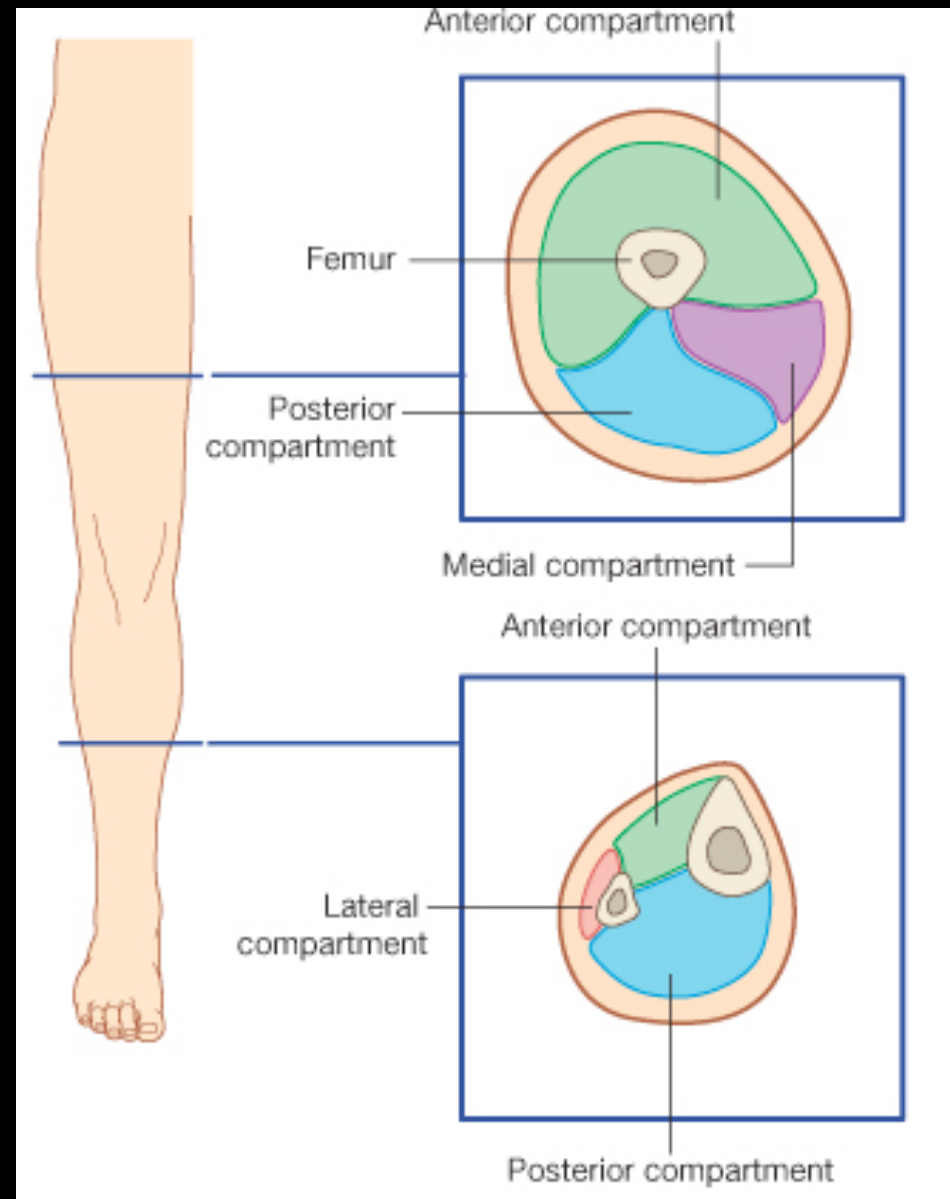


2) Fascia of Lower Limb

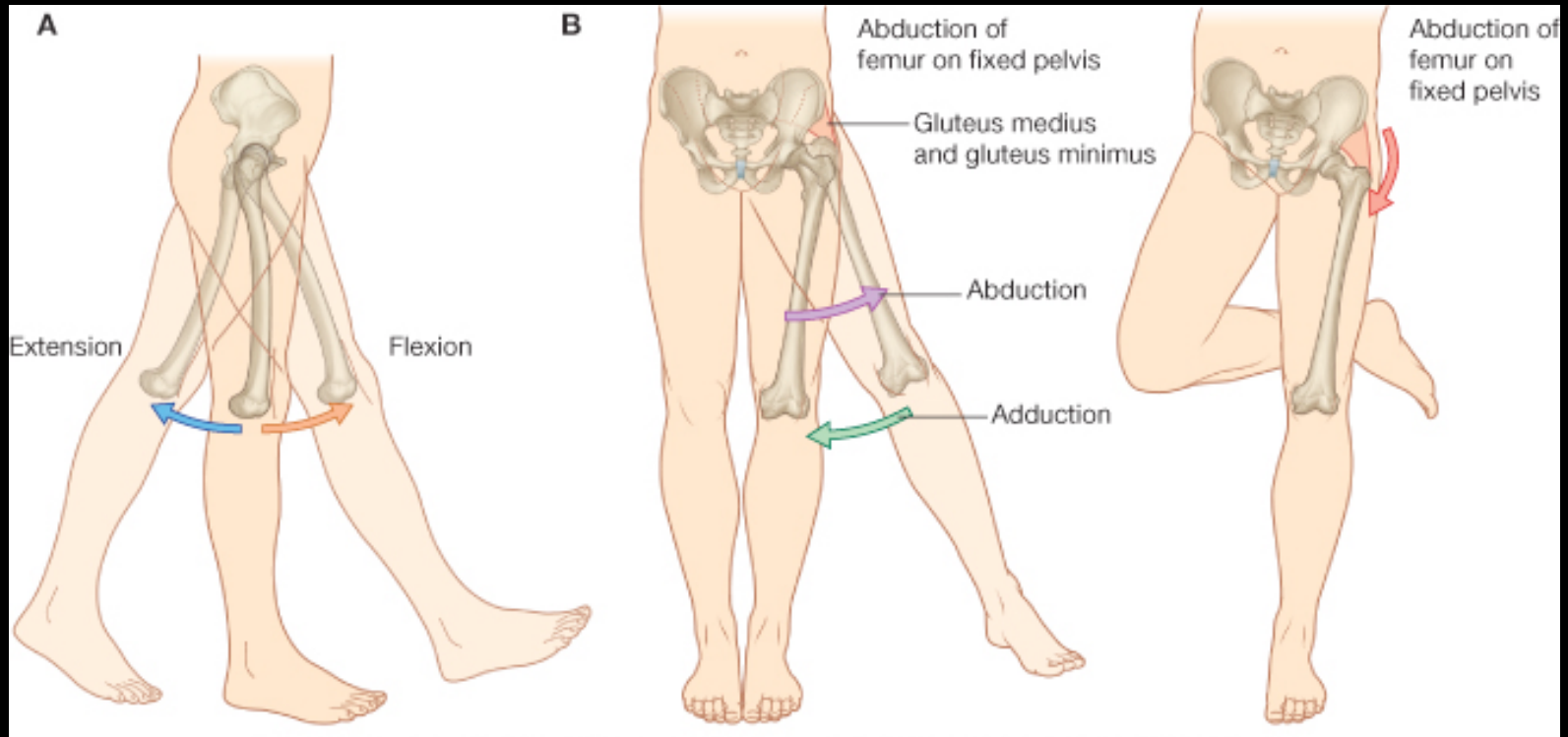
Superficial fascia

Deep Fascia

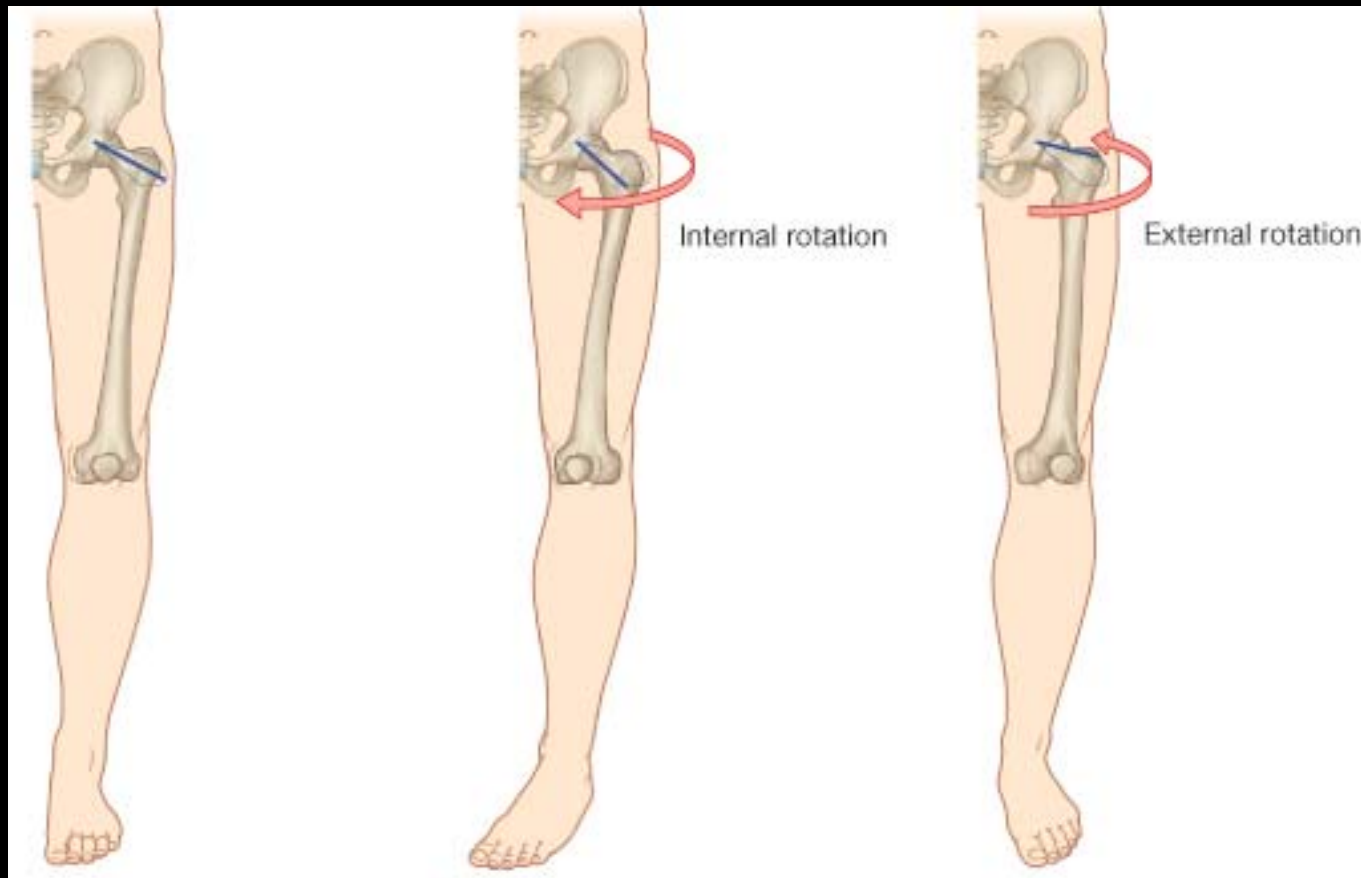
- Thigh
 - Anterior
 - Medial
 - Posterior
- Leg
 - Anterior
 - Lateral
 - Posterior



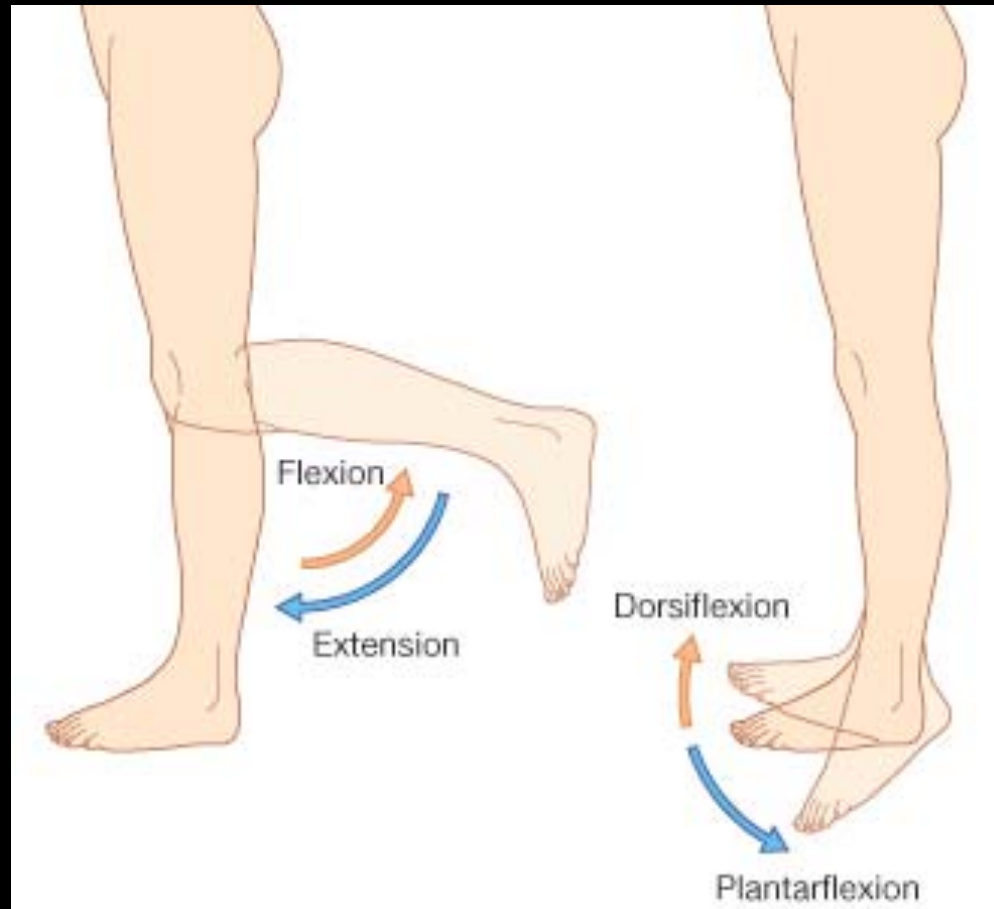
3) Actions of Lower Limb



3) Actions of Lower Limb



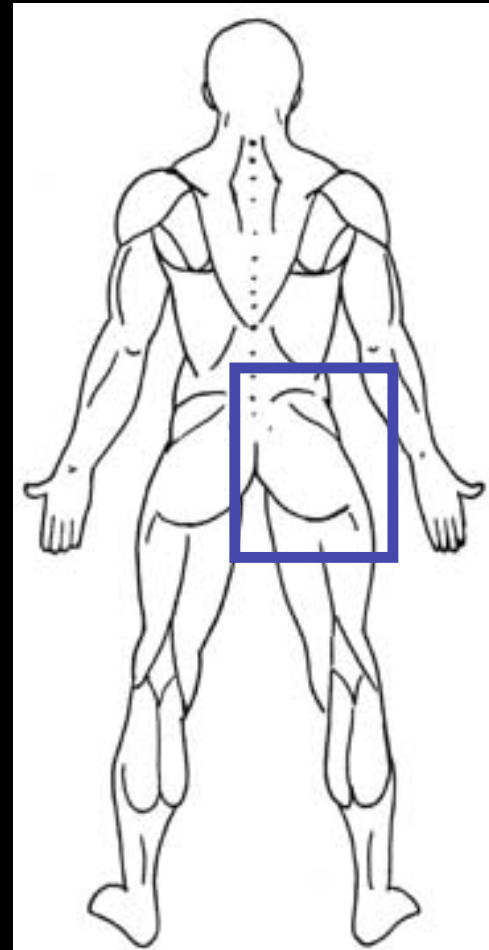
3) Actions of Lower Limb



Muscle Groups of Lower Limb

Gluteal region:

1. Gluteus muscles
2. Lateral hip rotators



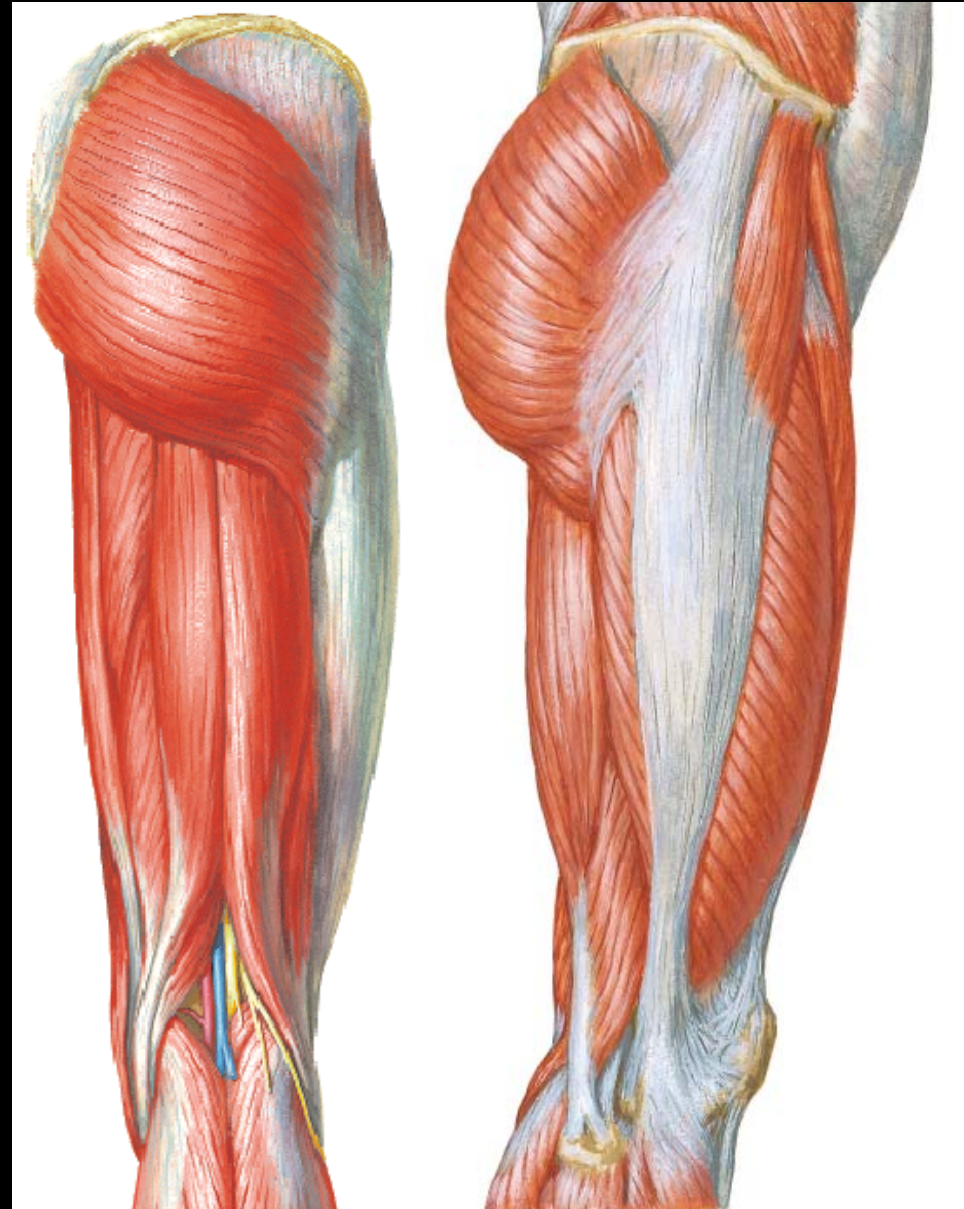
4) Muscles of the hip and thigh



4) Muscles of the hip and thigh

Gluteal muscles

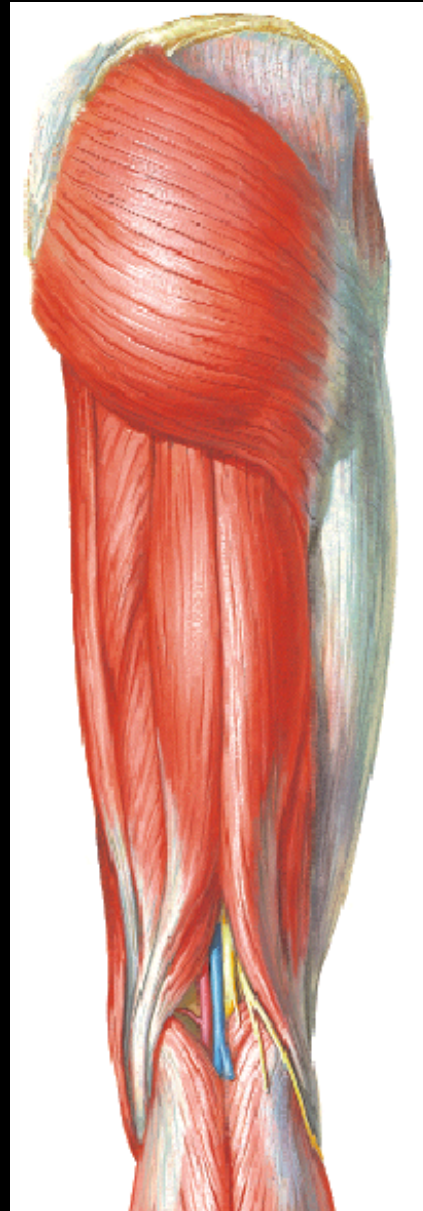
- Gluteus maximus m.
- Gluteus medius m.
- Gluteus minimus m.



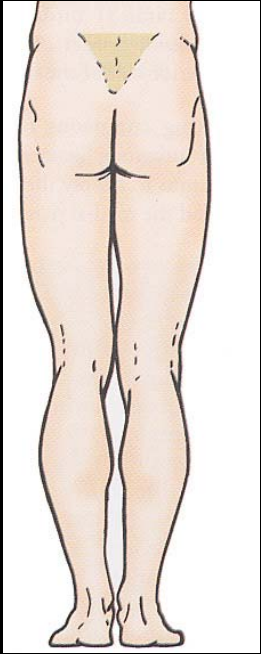
4) Muscles of the hip and thigh

Gluteal muscles

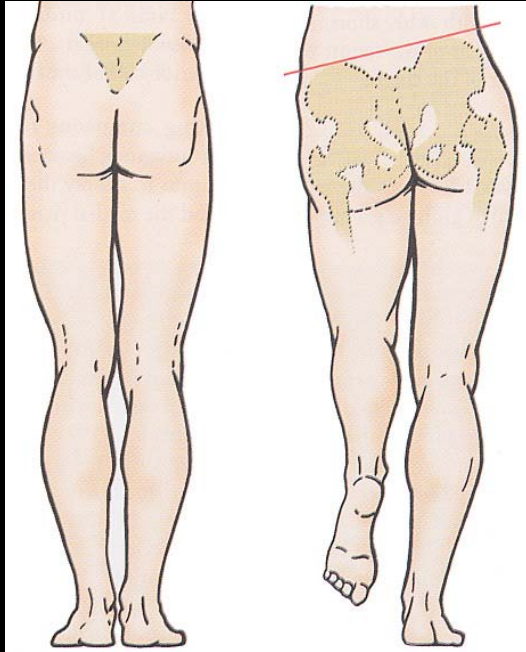
- Gluteus maximus m.
- Gluteus medius m.
- Gluteus minimus m.



4) Muscles of the hip and thigh

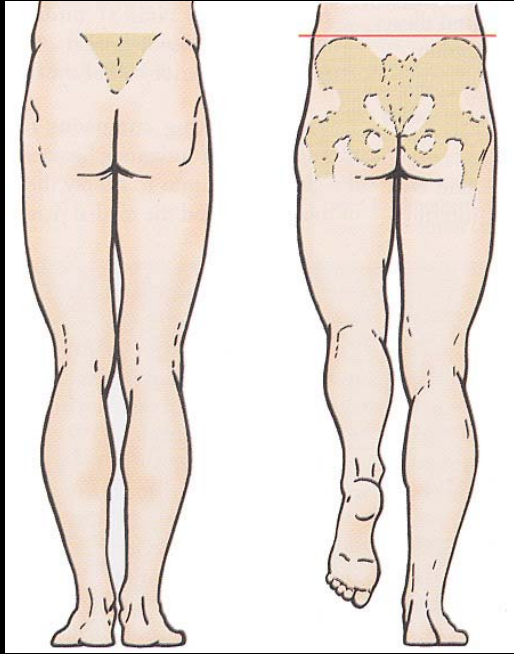


4) Muscles of the hip and thigh



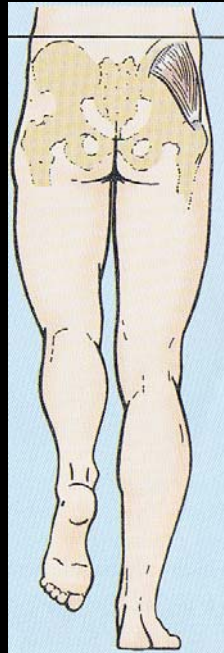
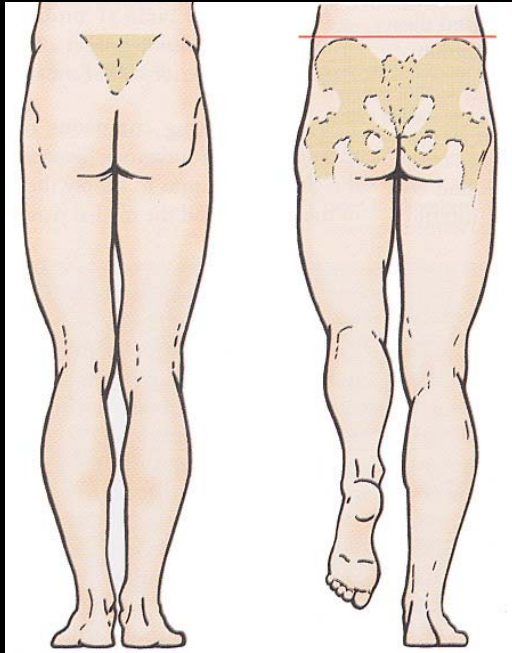
Abnormal

4) Muscles of the hip and thigh



Normal

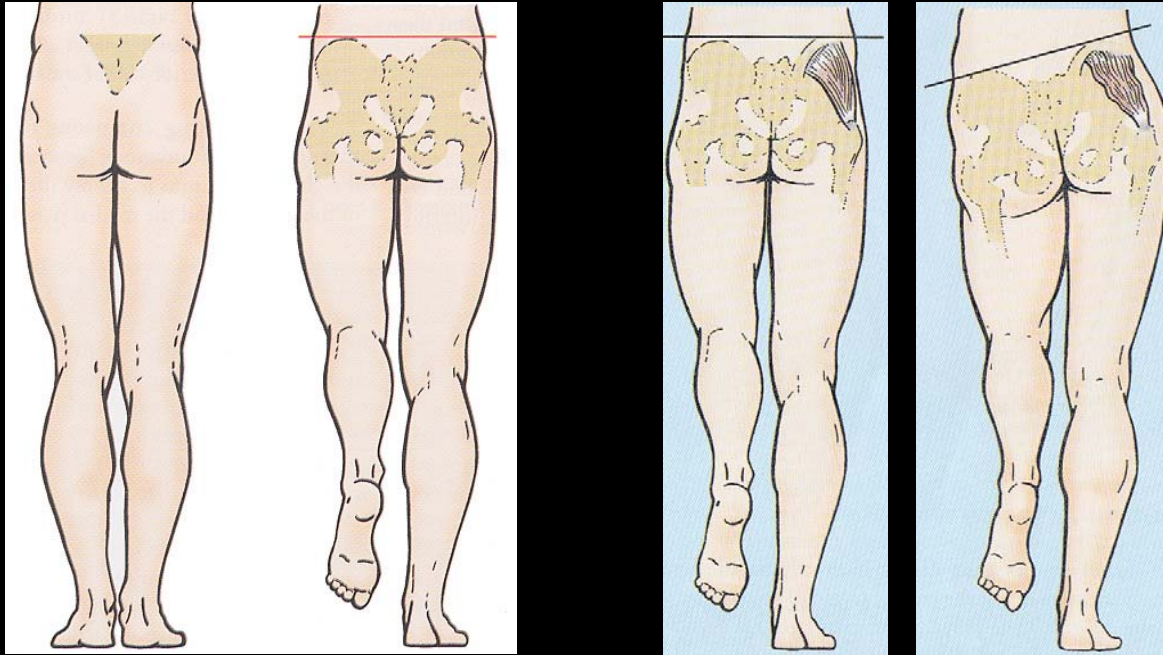
4) Muscles of the hip and thigh



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Normal

4) Muscles of the hip and thigh

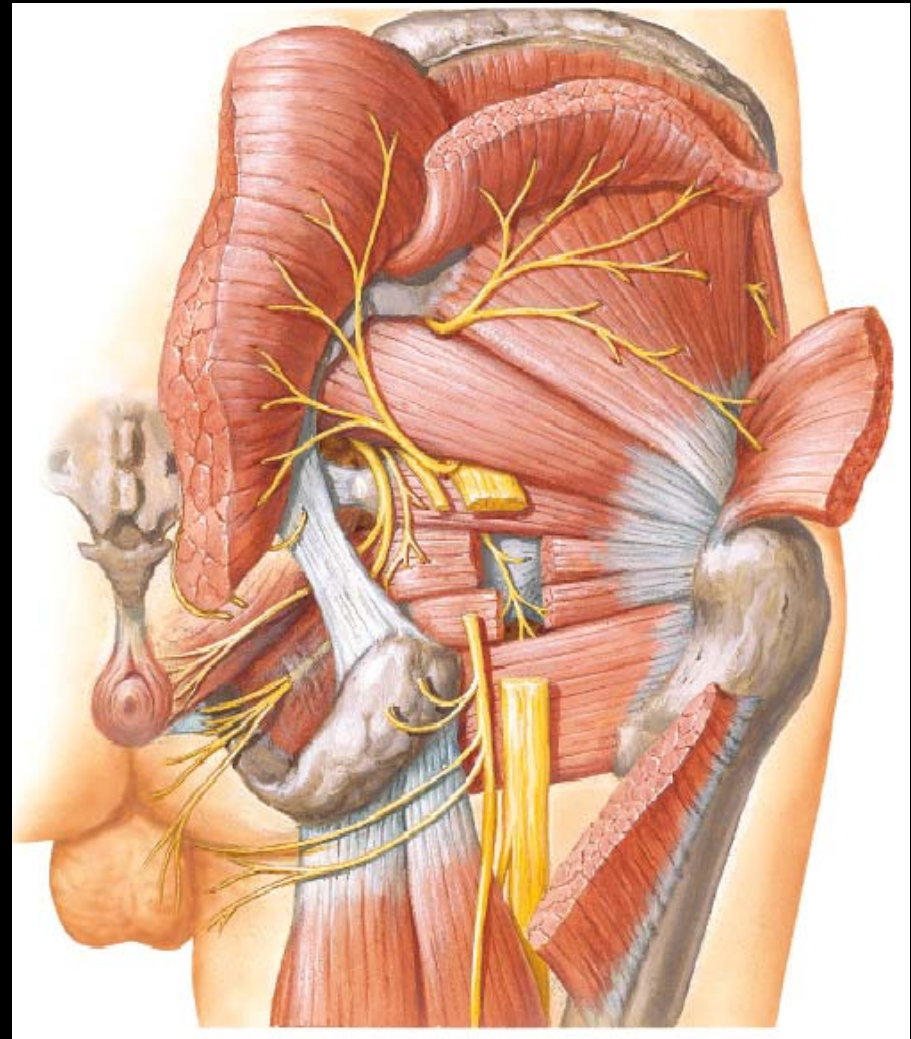


Trendelenburg's sign

4) Muscles of the hip and thigh

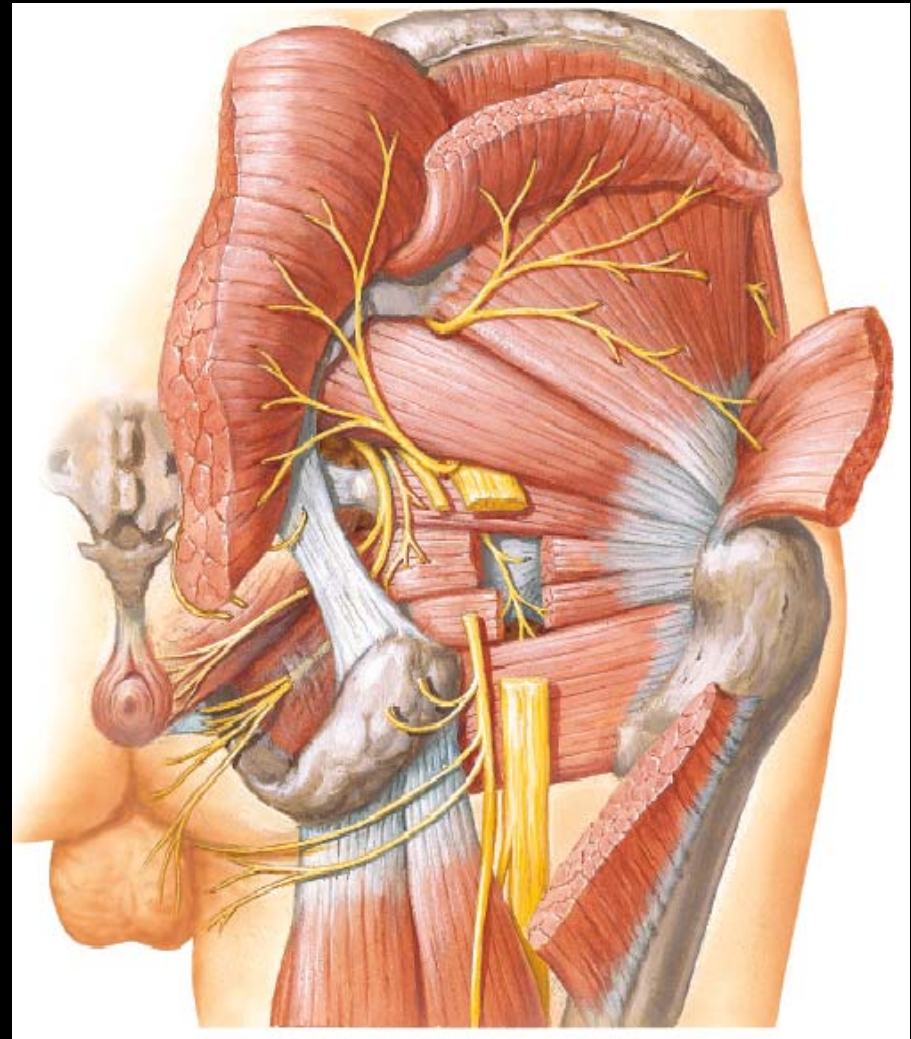
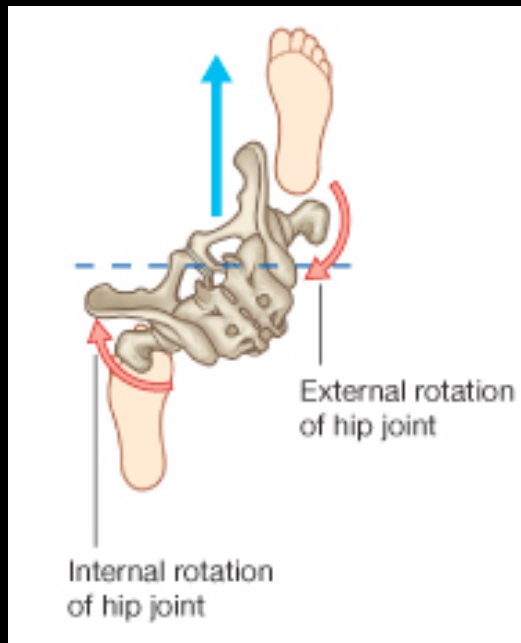
Deep/Lateral hip rotators

- Piriformis
- Superior gemellus
- Obturator internus
- Inferior gemellus
- Quadratus femoris



4) Muscles of the hip and thigh

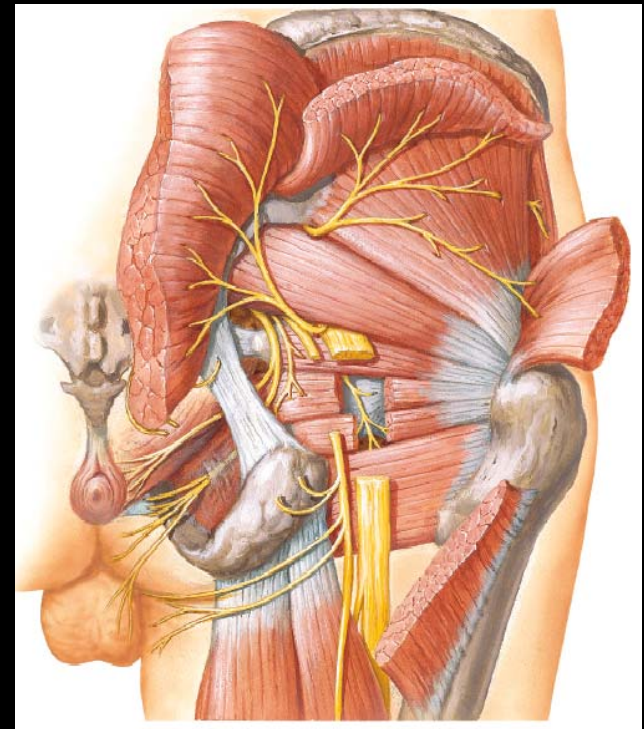
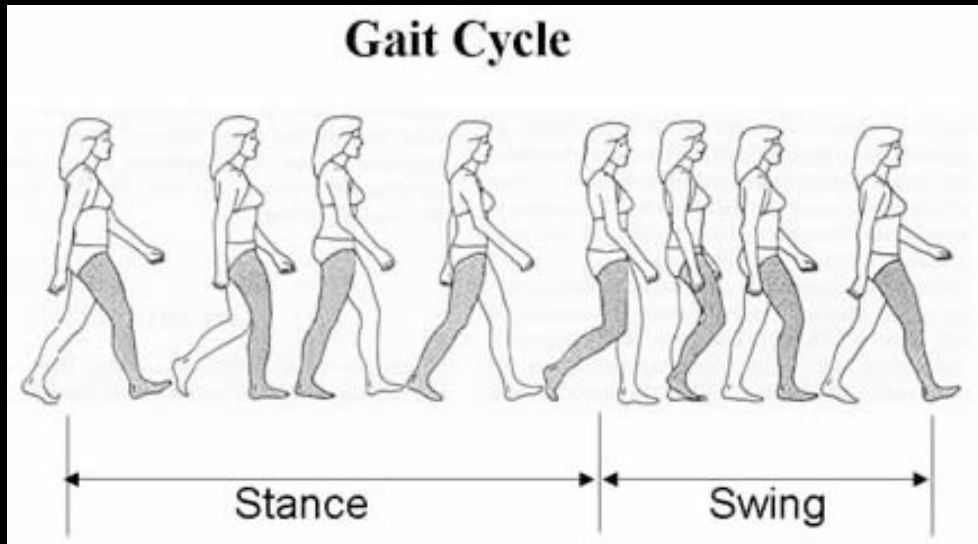
Deep/Lateral hip rotators



4) Muscles of the hip and thigh

Deep/Lateral hip rotators

- Stabilize pelvis during gait



4) Muscles of the hip and thigh

Posterior thigh muscles

- Semimembranosus m.
- Semitendinosus m.
- Biceps femoris m.



4) Muscles of the hip and thigh

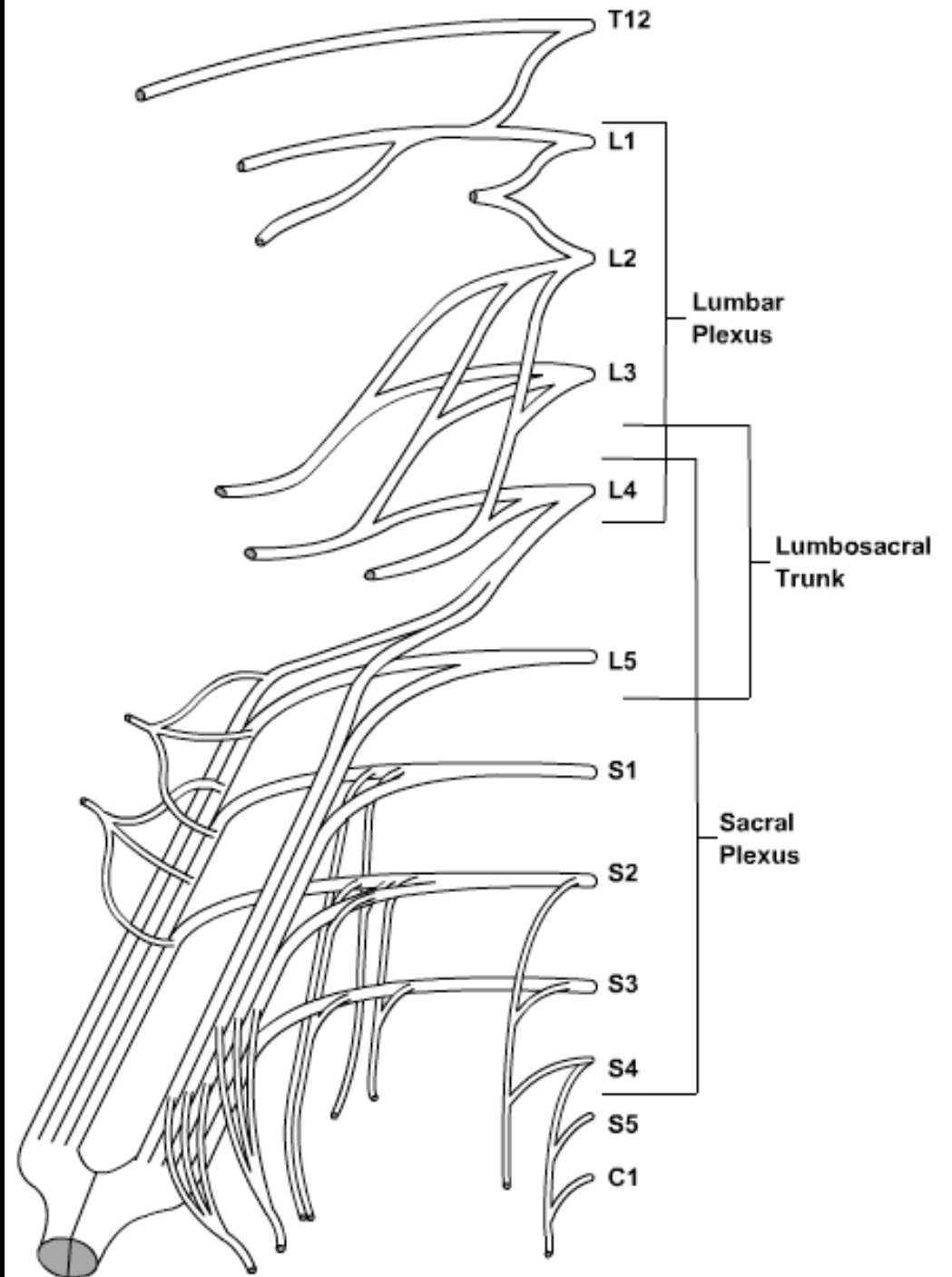
Posterior thigh muscles

- Semimembranosus m.
- Semitendinosus m.
- Biceps femoris m.



4) Lumbosacral Plexus

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4) Lumbosacral Plexus

Motor

- Superior gluteal n. (L4-S1)
- Inferior gluteal n. (L5-S2)
- N. to Quad femoris and Inf. gem (L4-S1)
- N. to Obt internus and Sup. gem (L5-S2)
- N. to Piriformis (

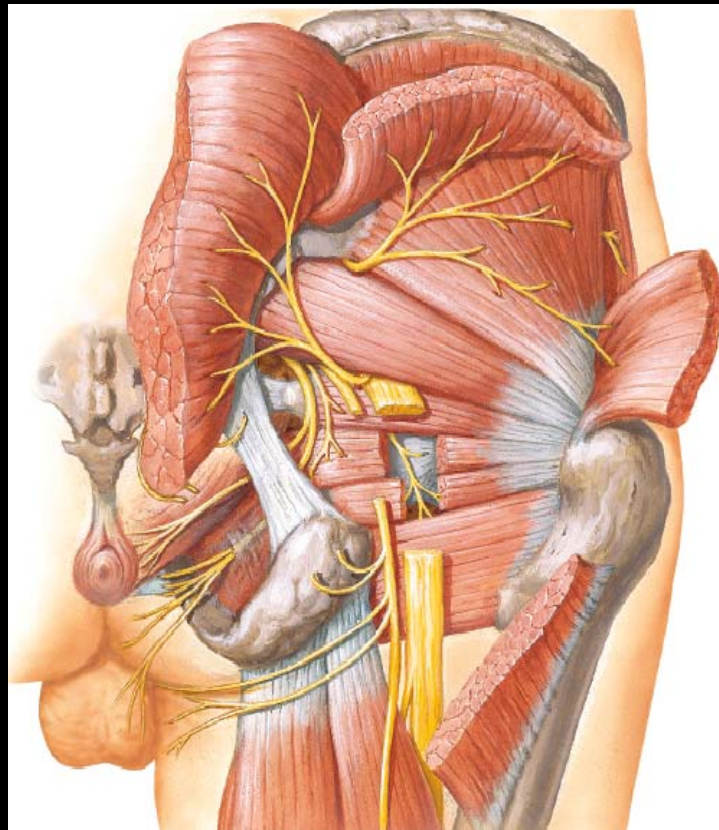
Sensory

- Post cutan n. of thigh (S1-S3)
- Perforating cutan n. (S2-S3)

4) Lumbosacral Plexus

Motor

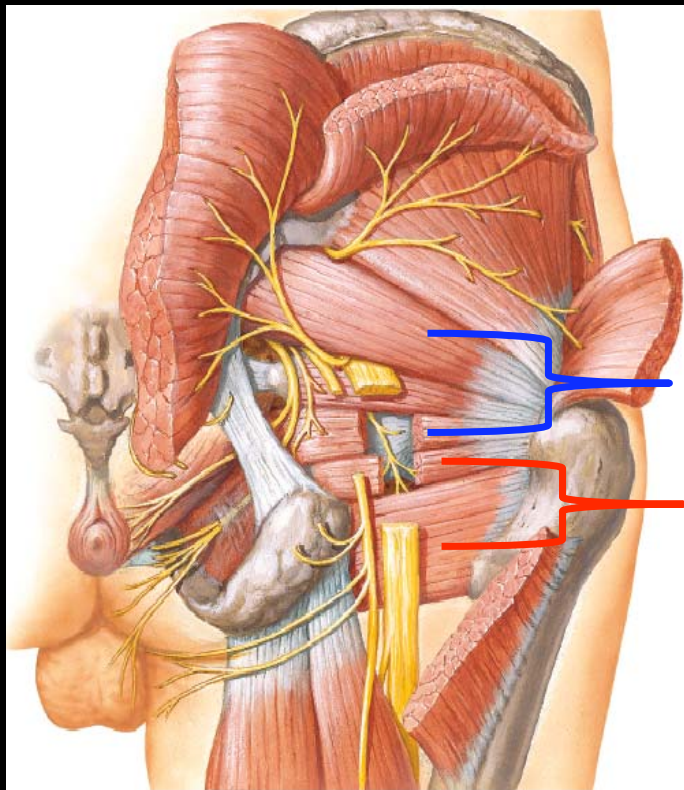
- Superior gluteal n. (L4-S1)
- Inferior gluteal n. (L5-S2)



4) Lumbosacral Plexus

Motor

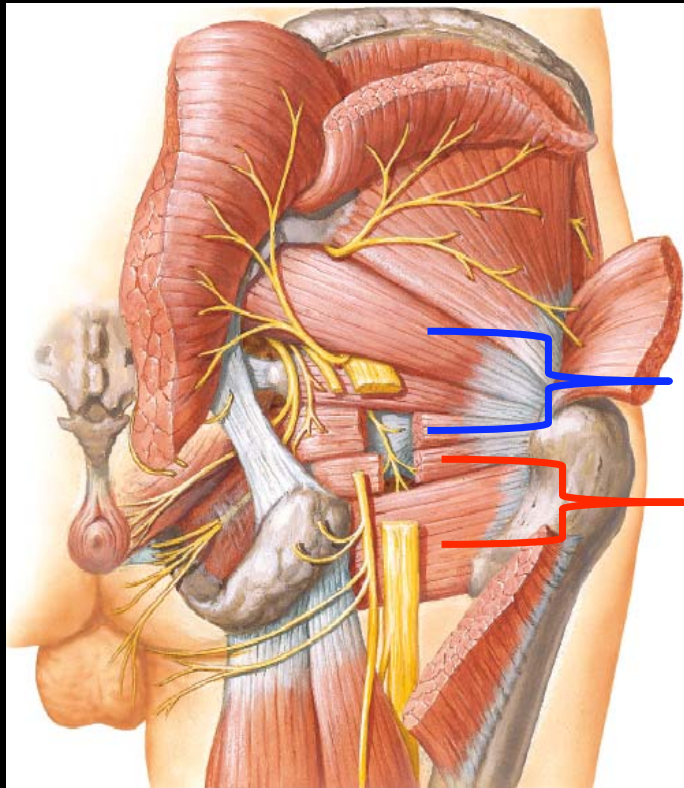
- Superior gluteal n. (L4-S1)
- Inferior gluteal n. (L5-S2)
- N. to Piriformis (L5-S2)
- N. to Sup. Gem and Obt int (L5-S2)
- N. to Inf. gem and Quad femoris (L4-S1)



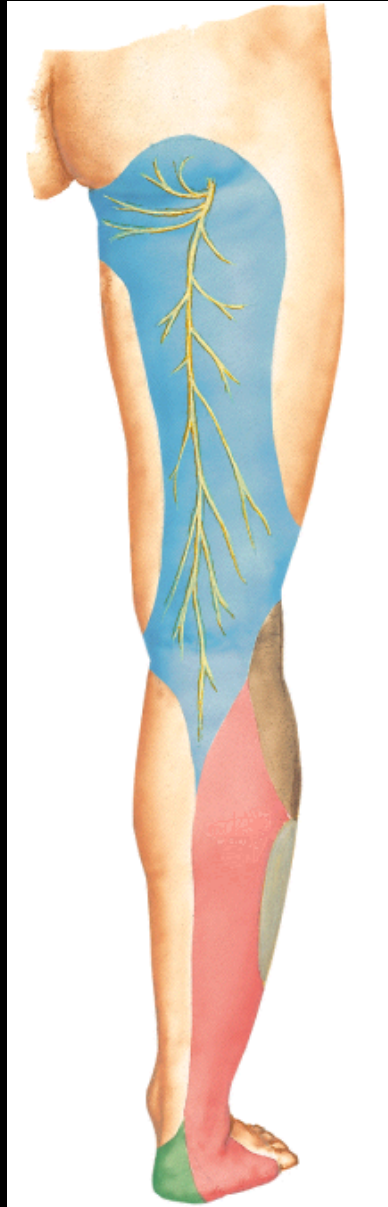
4) Lumbosacral Plexus

Motor

- **Superior** gluteal n. (L4-S1)
 - **Inferior** gluteal n. (L5-S2)
- 
- N. to Piriformis (L5-S2)
 - N. to **Sup.** Gem and Obt int (L5-S2)
 - N. to **Inf.** gem and Quad femoris (L4-S1)



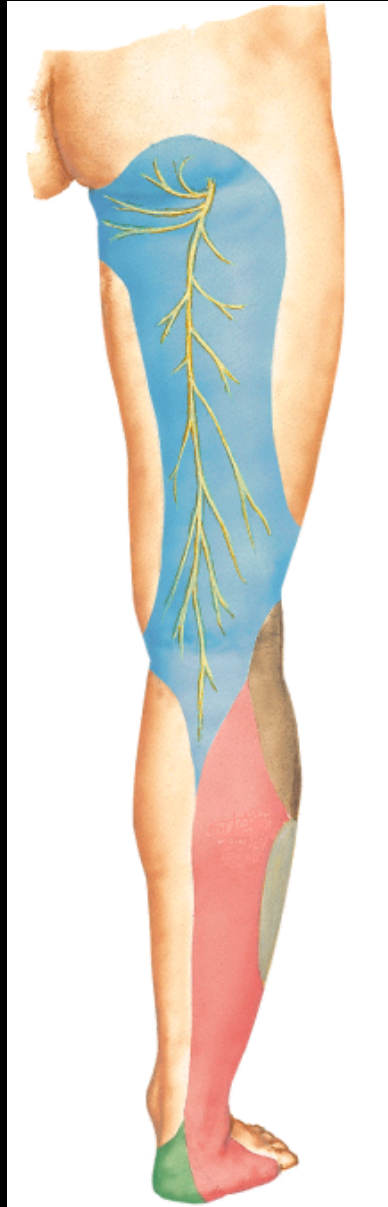
4) Lumbosacral Plexus



Sciatic n.

- Tibial n. (L4-S3)
- Common peroneal n. (L4-S2)

4) Lumbosacral Plexus



Posterior cut n. of thigh (S1-S3)

4) Lumbosacral Plexus



Sciatic n.

- **Tibial n. (L4-S3)**

- Post thigh
- Post leg
- Foot

- Common peroneal n. (L4-S2)

4) Lumbosacral Plexus



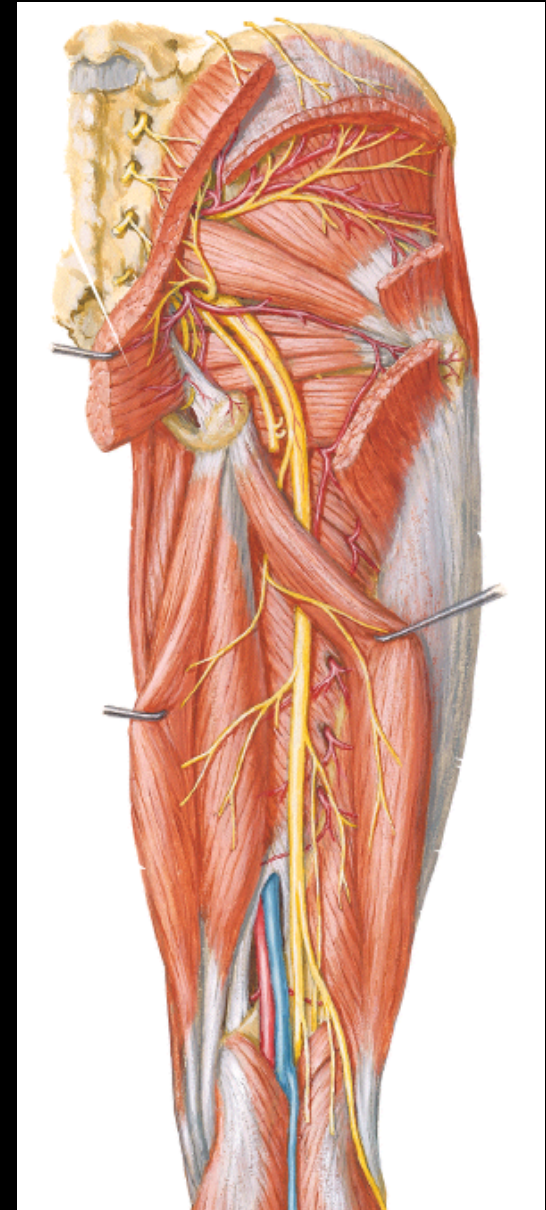
Sciatic n.

- Tibial n. (L4-S3)
- Common peroneal n. (L4-S2)
 - Lateral leg
 - Anterior leg

4) Vascularization of the Hip and Post Thigh

Internal iliac a.

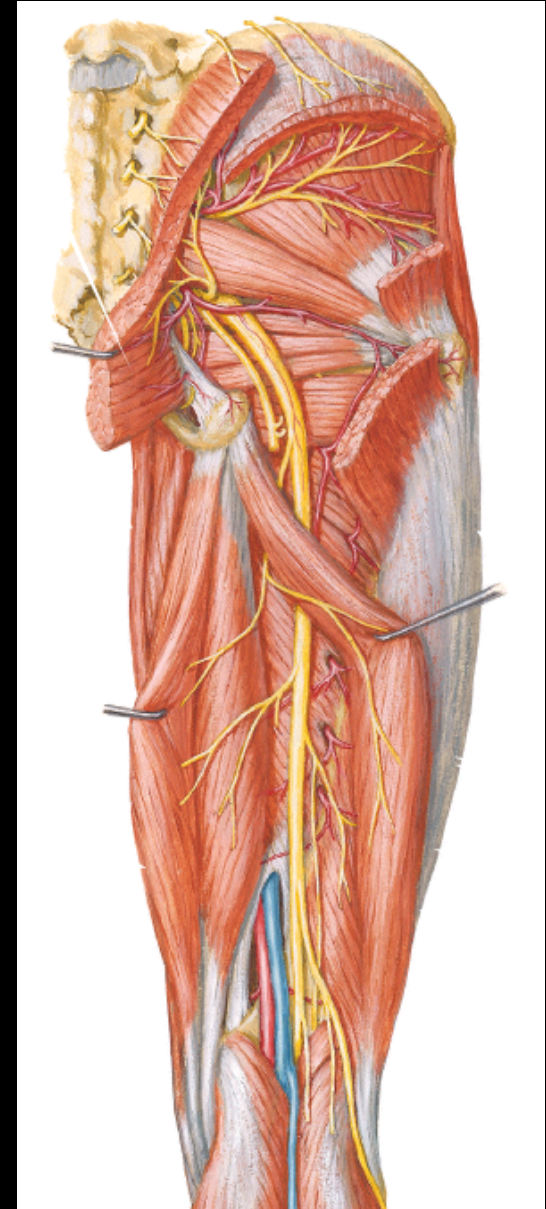
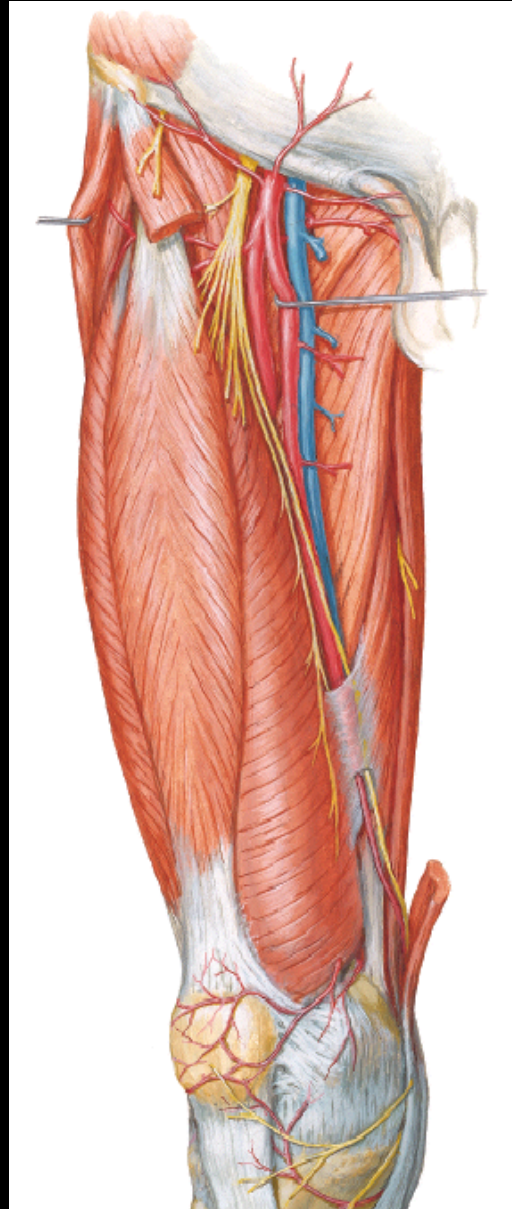
- Superior and inferior gluteal aa.



4) Vascularization of the Hip and Post Thigh

Femoral a.

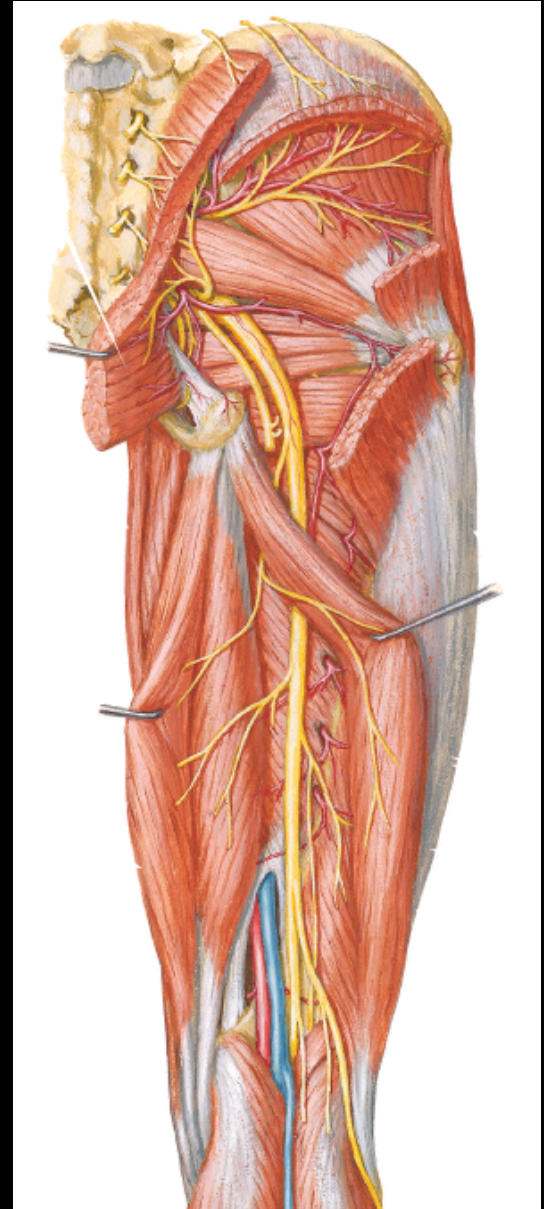
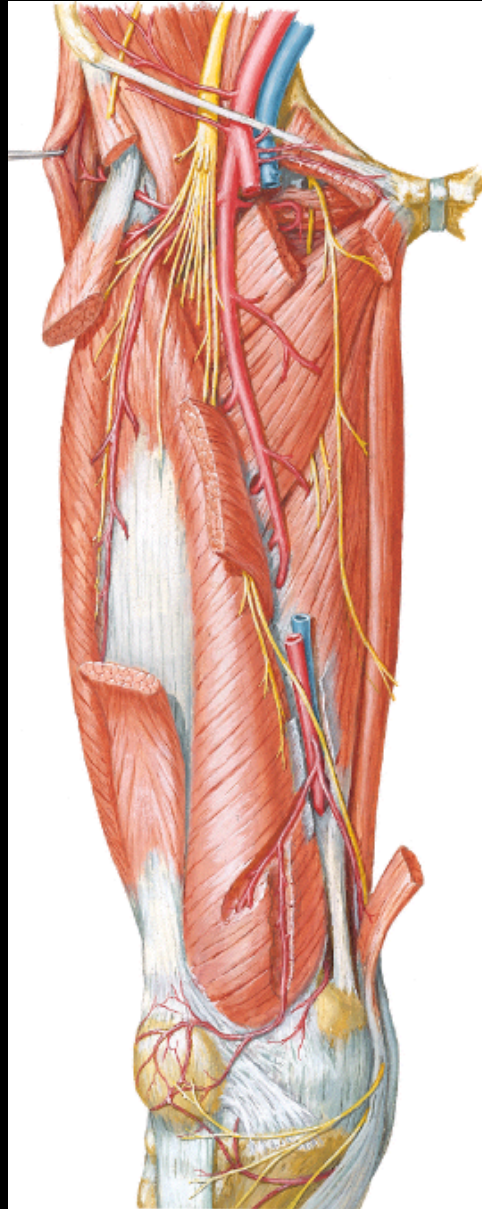
- Deep femoral a.

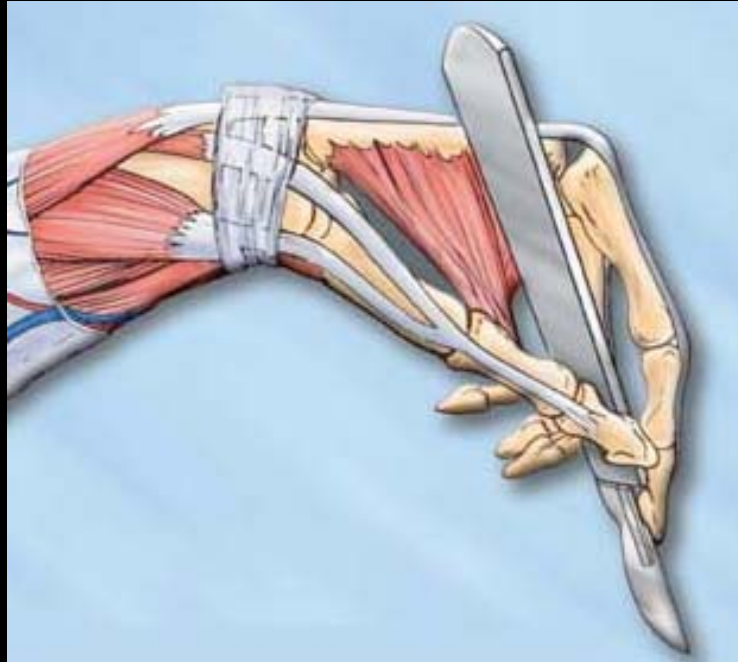


4) Vascularization of the Hip and Post Thigh

Femoral a.

- Deep femoral a.
- Perforating aa.





THANK-YOU