

ANATOMY OF LOWER LIMB

PRACTICAL LECTURE - 12 -

MUSCLES / PART 8

MUSCLES OF THE POSTERIOR COMPARTMENT OF THE LEG

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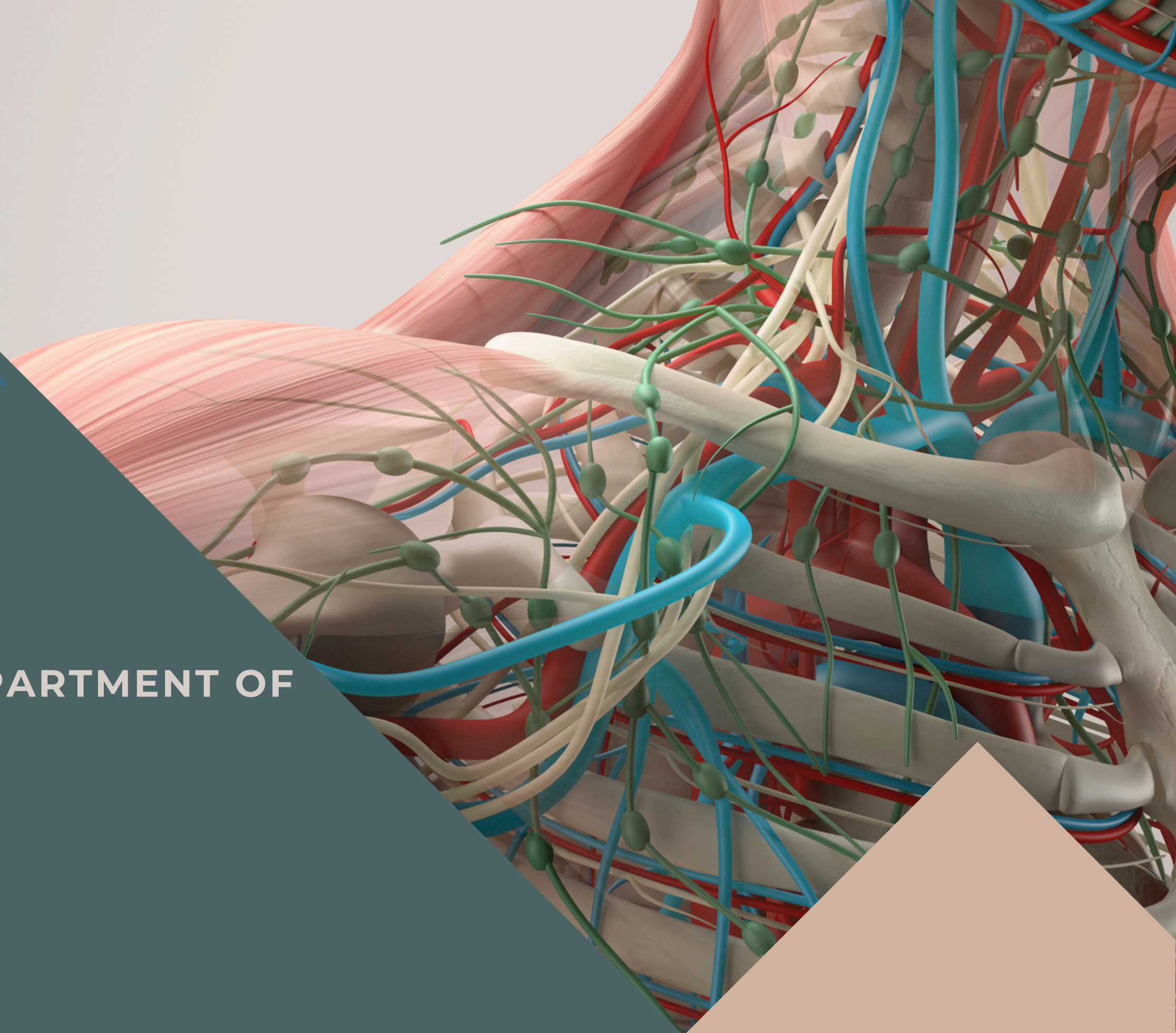
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-All The Muscles of The **Posterior Compartment of The Leg** Are Responsible For :

- **Plantarflexion**
- **Flexion, Medial** Rotation
And **Unlocking** of The **Knee** Joint

-All The Muscles of The **Posterior Compartment of The Leg** Are Supplied By **Tibial nerve**



Posterior View

POSTERIOR COMPARTMENT OF THE LEG

GASTROCNEMIUS

Origin :

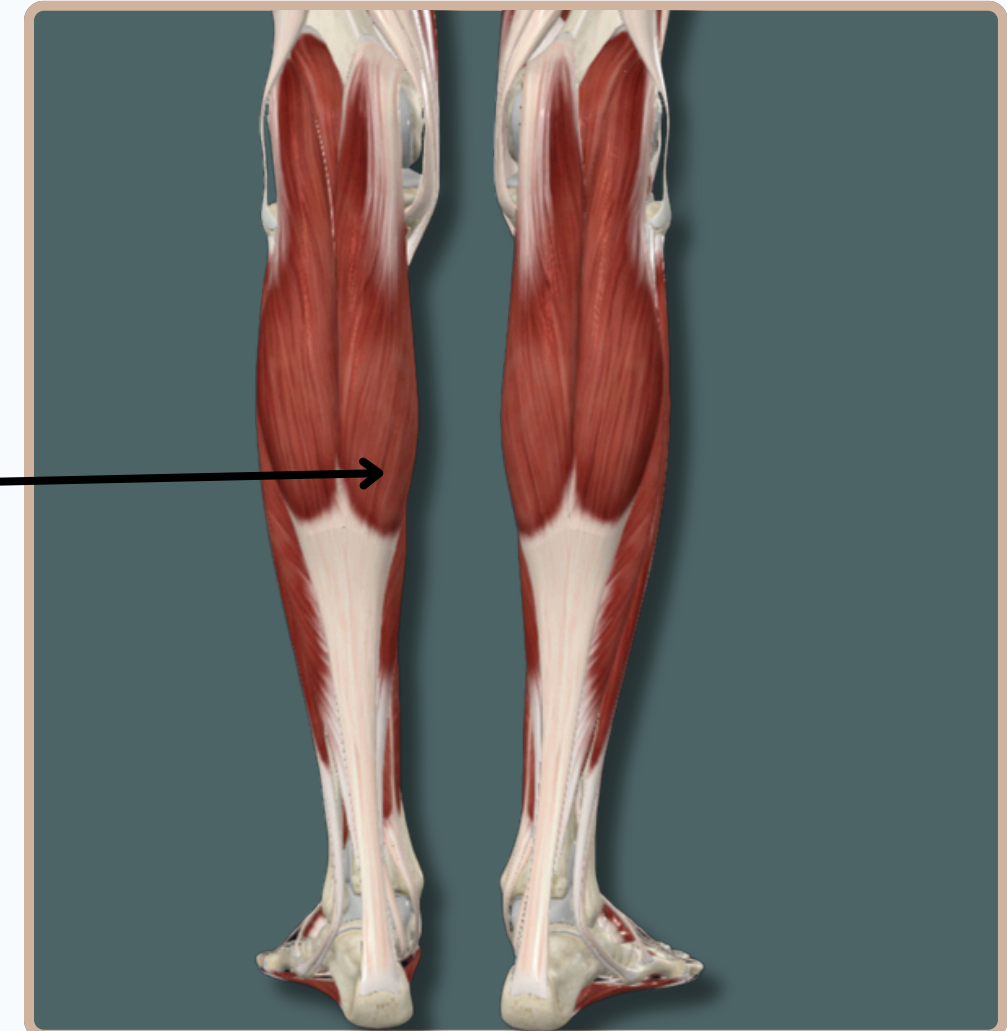
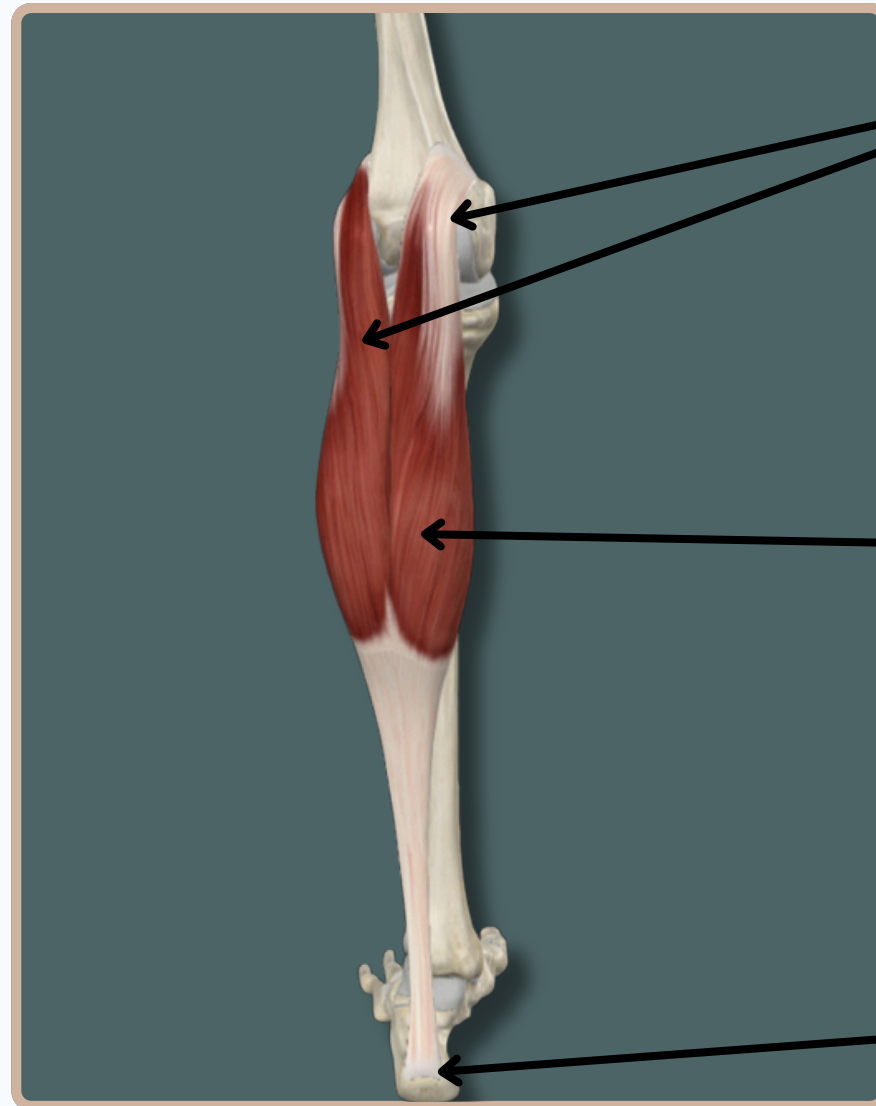
Medial Head : Medial condyle and popliteal surface of **femur**

Lateral Head : Lateral condyle and lateral supracondylar line of **femur**

Gastrocnemius

Insertion :

Posterior surface of **calcaneus**, via calcaneal tendon



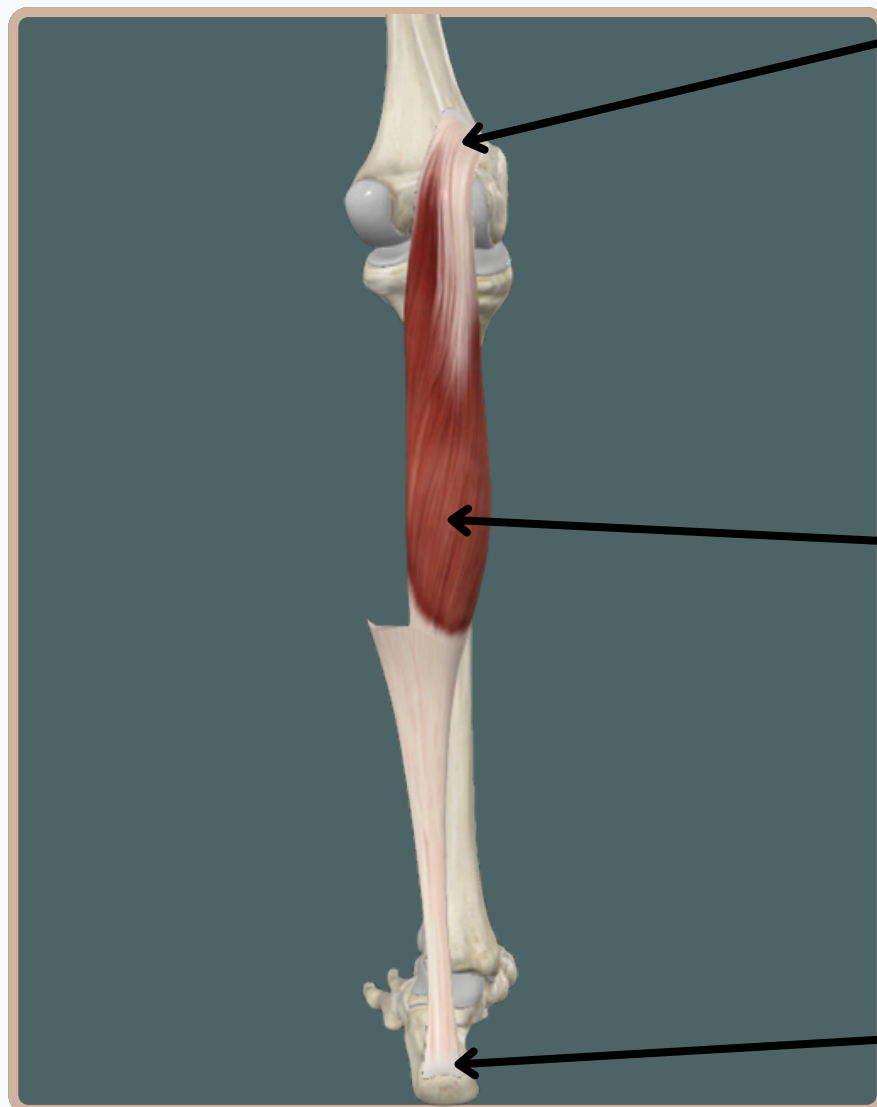
Posterior View

POSTERIOR COMPARTMENT OF THE LEG

GASTROCNEMIUS

Origin :

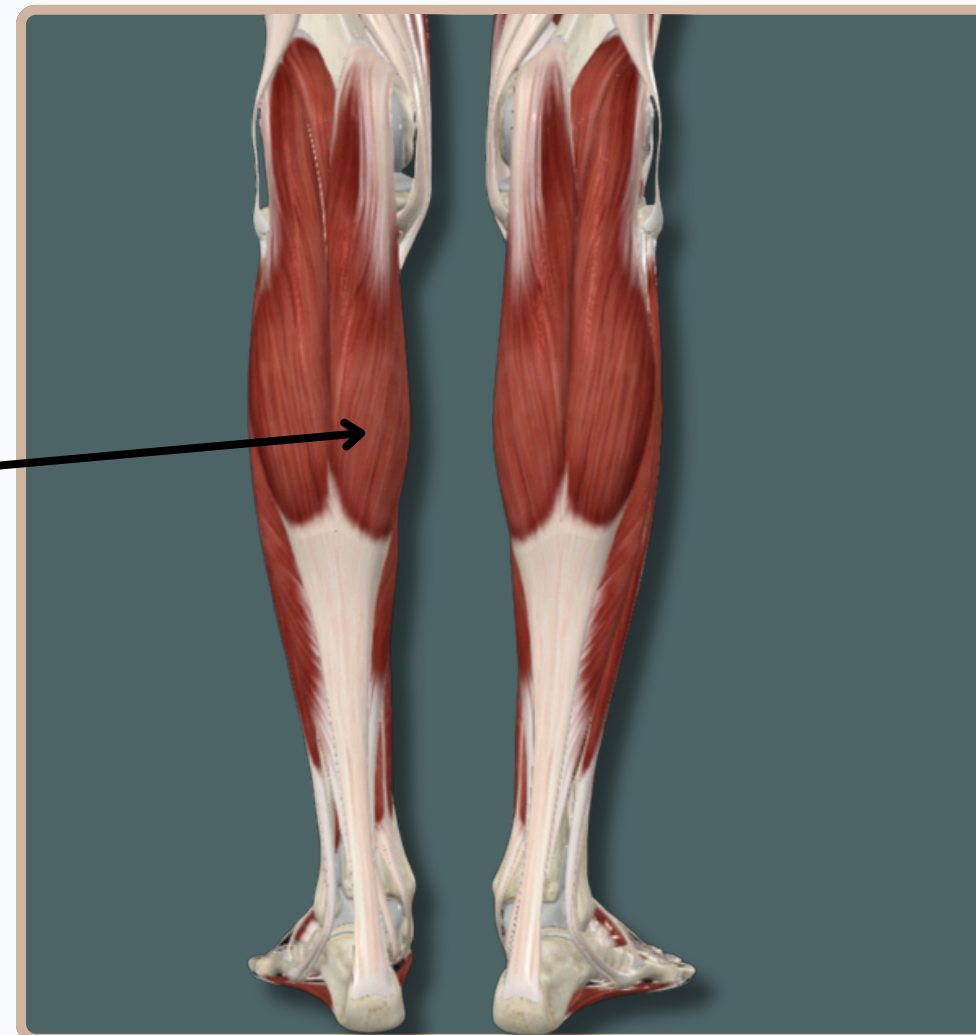
Medial Head : Medial condyle and popliteal surface of **femur**



Medial Head of Gastrocnemius

Insertion :

Posterior surface of **calcaneus**, via calcaneal tendon



Action :

Medial Head : -Plantarflexes foot at **ankle** joint
-flexes leg at **knee** joint

Nerve Supply :
Tibial nerve

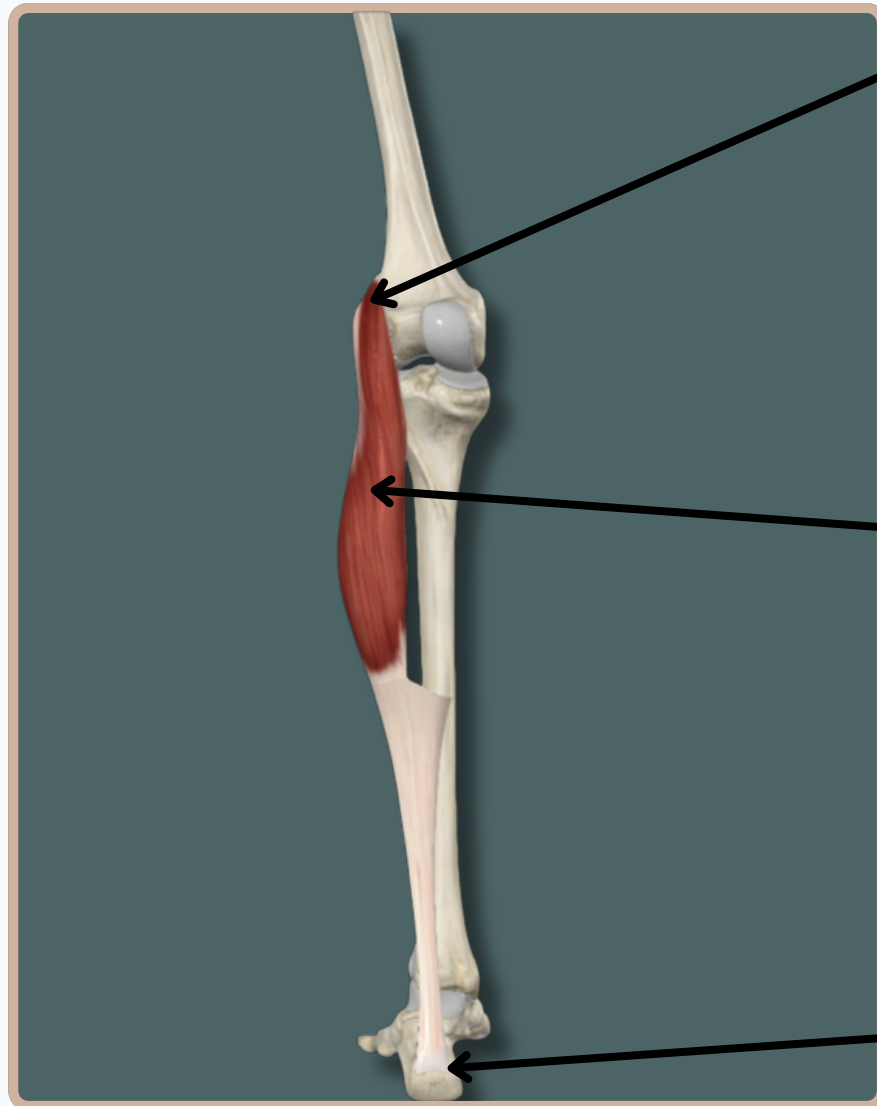
Posterior View

POSTERIOR COMPARTMENT OF THE LEG

GASTROCNEMIUS

Origin :

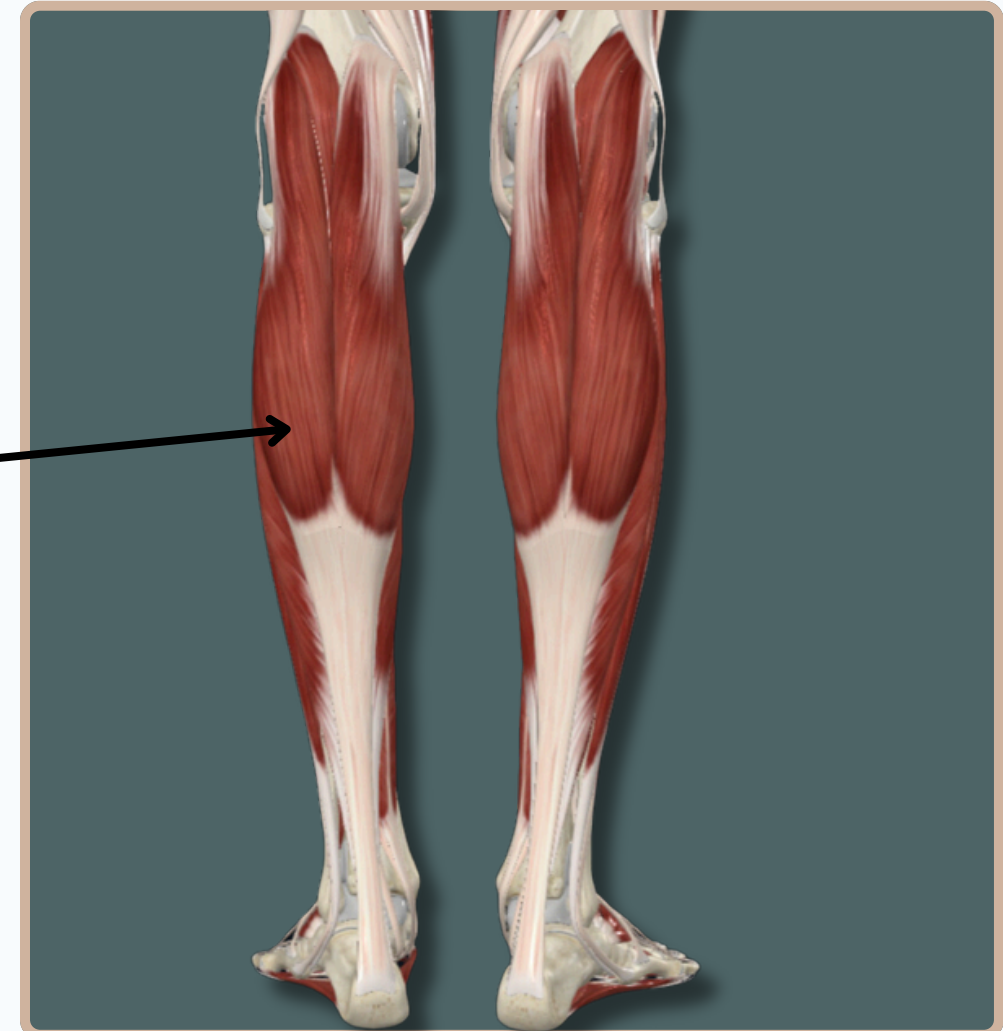
Lateral Head : Lateral condyle and lateral supracondylar line of **femur**



Lateral Head of Gastrocnemius

Insertion :

Posterior surface of **calcaneus**, via calcaneal tendon



Action :

Medial Head : -Plantarflexes foot at **ankle** joint
-flexes leg at **knee** joint

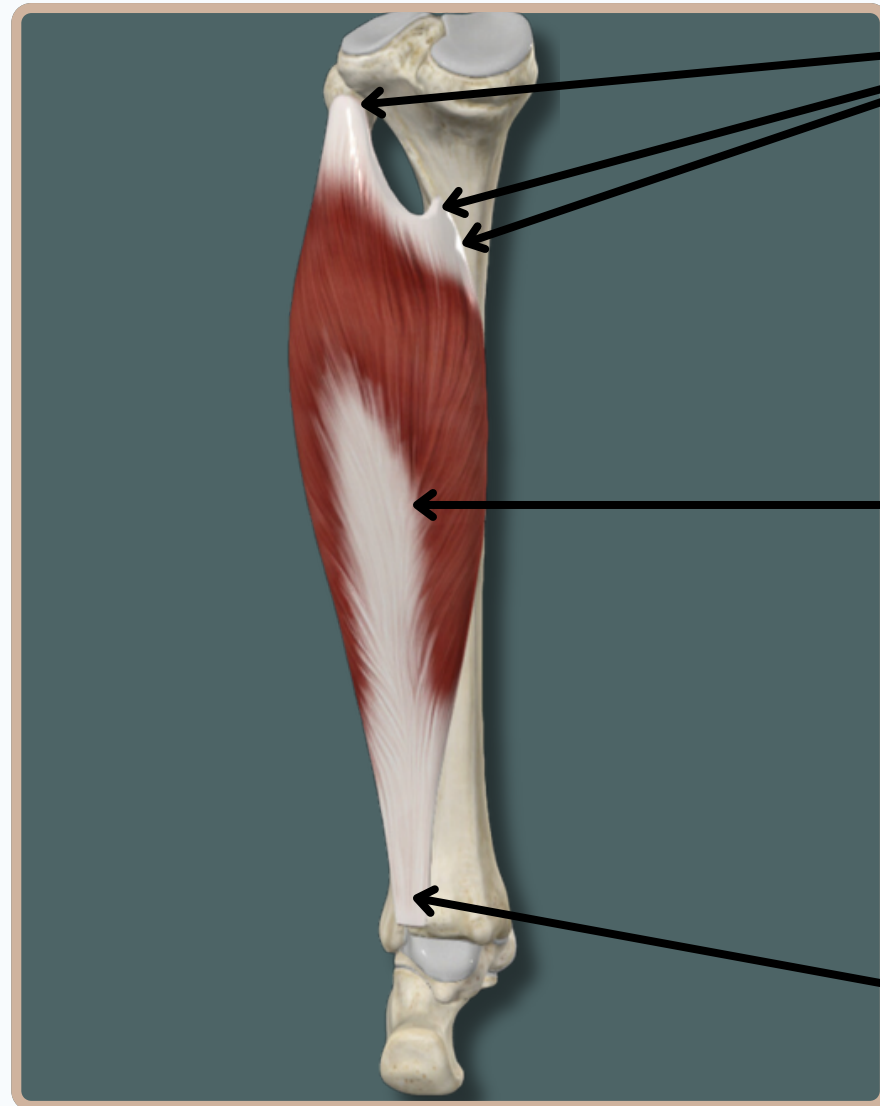
Nerve Supply :
Tibial nerve

Posterior View

POSTERIOR COMPARTMENT OF THE LEG

SOLEUS

Origin : -Head of **fibula**
-posterior surface of **fibula**
-**soleal** line
-and medial border of **tibia**



Soleus

Insertion :
Posterior surface of **calcaneus**, via
calcaneal tendon



Action :

-**Plantarflexes** foot at **ankle** joint

Nerve Supply :

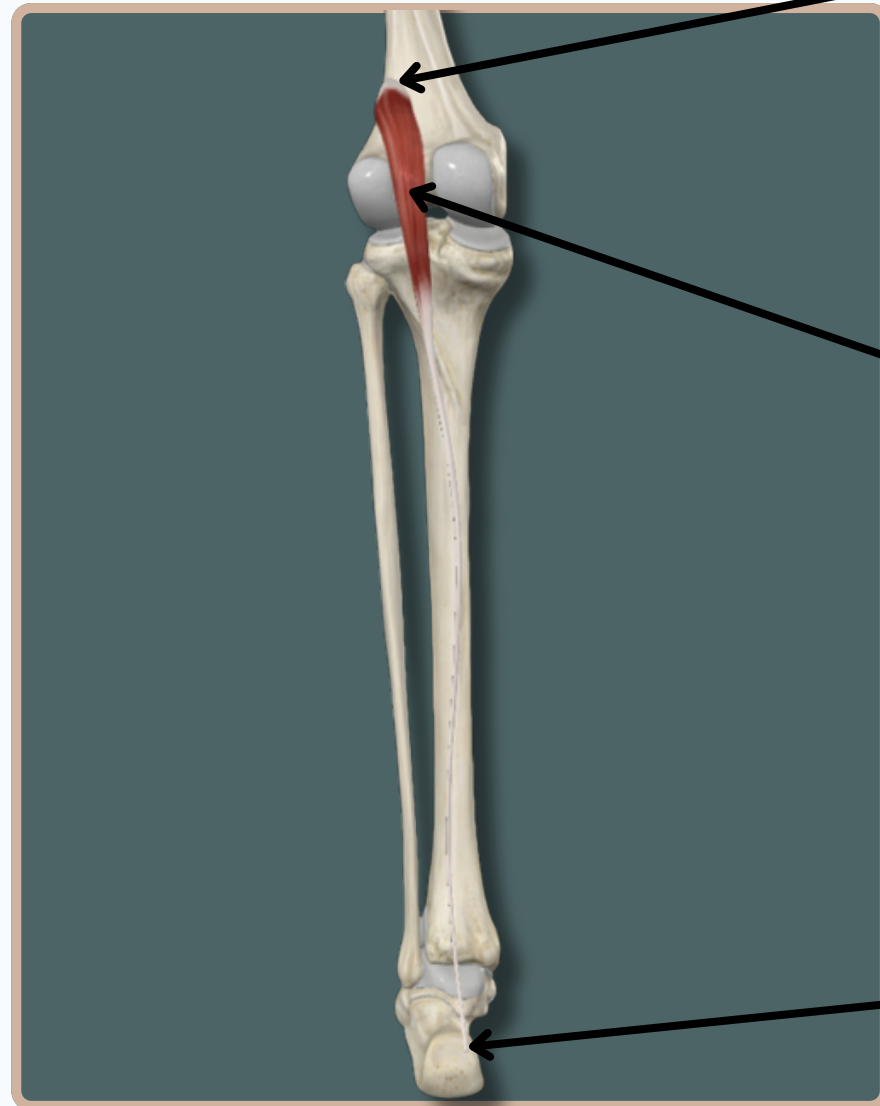
Tibial nerve

Posterior View

POSTERIOR COMPARTMENT OF THE LEG

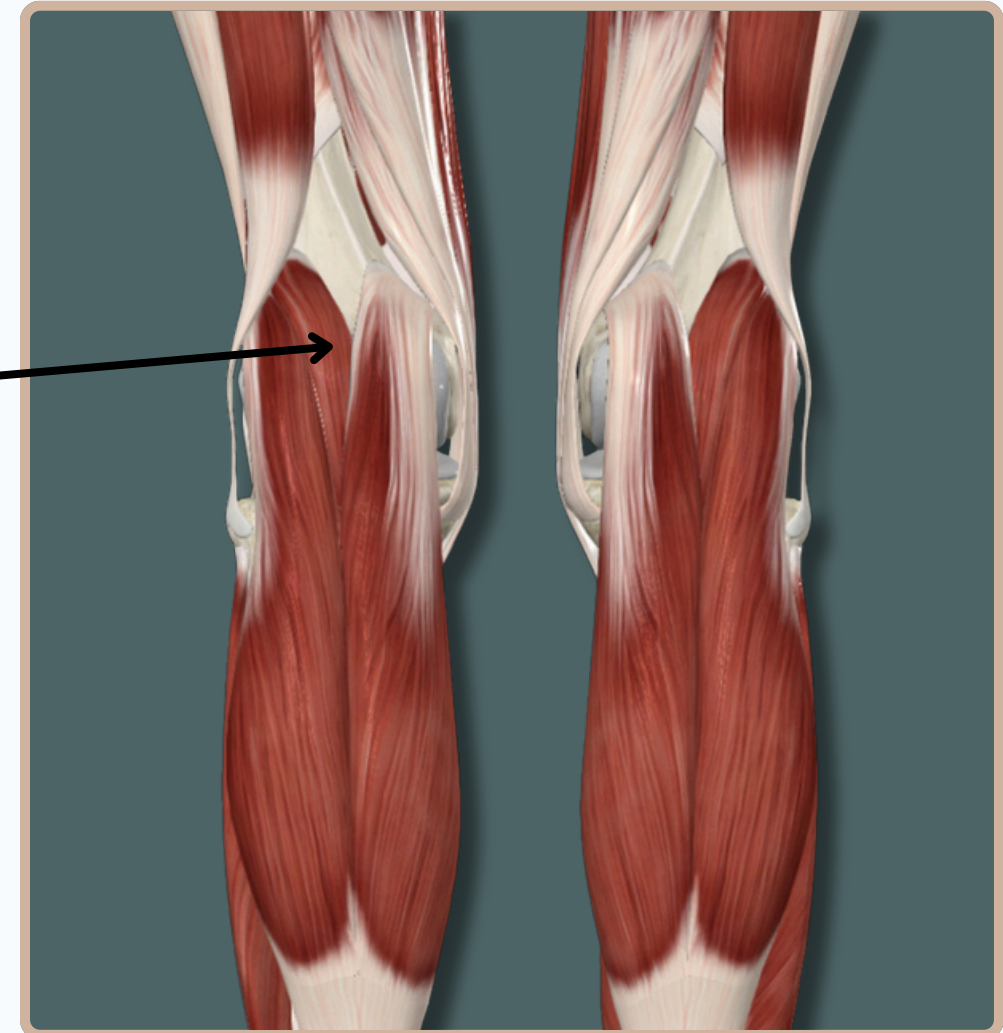
PLANTARIS

Origin : Lateral supracondylar line of **femur**



Plantaris

Insertion : Posterior surface of **calcaneus**



Action :

- Medial Head :** -Assists in **Plantarflexion** foot at **ankle** joint
- Assists in **flexion** leg at **knee** joint

Nerve Supply :
Tibial nerve

Posterior View

POSTERIOR COMPARTMENT OF THE LEG



PLANTARIS



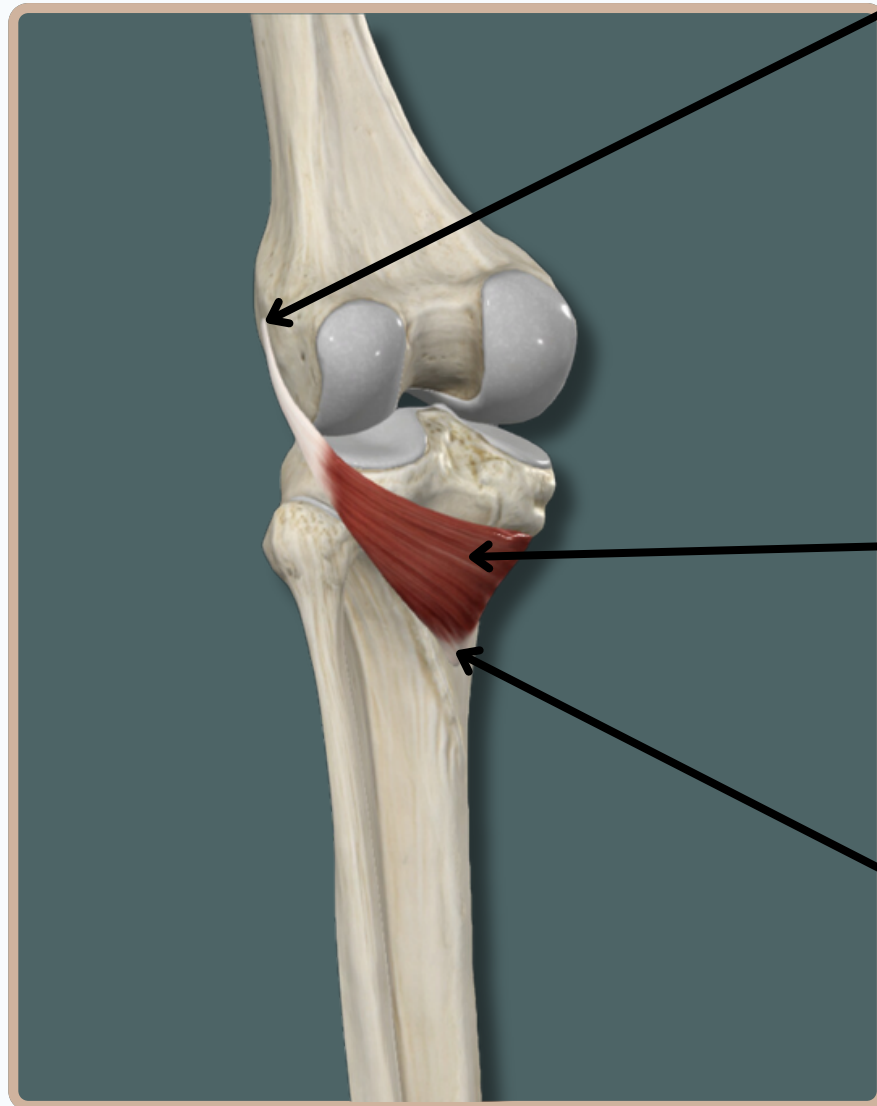
Insertion : Posterior surface of
calcaneus

Posterior View

POSTERIOR COMPARTMENT OF THE LEG

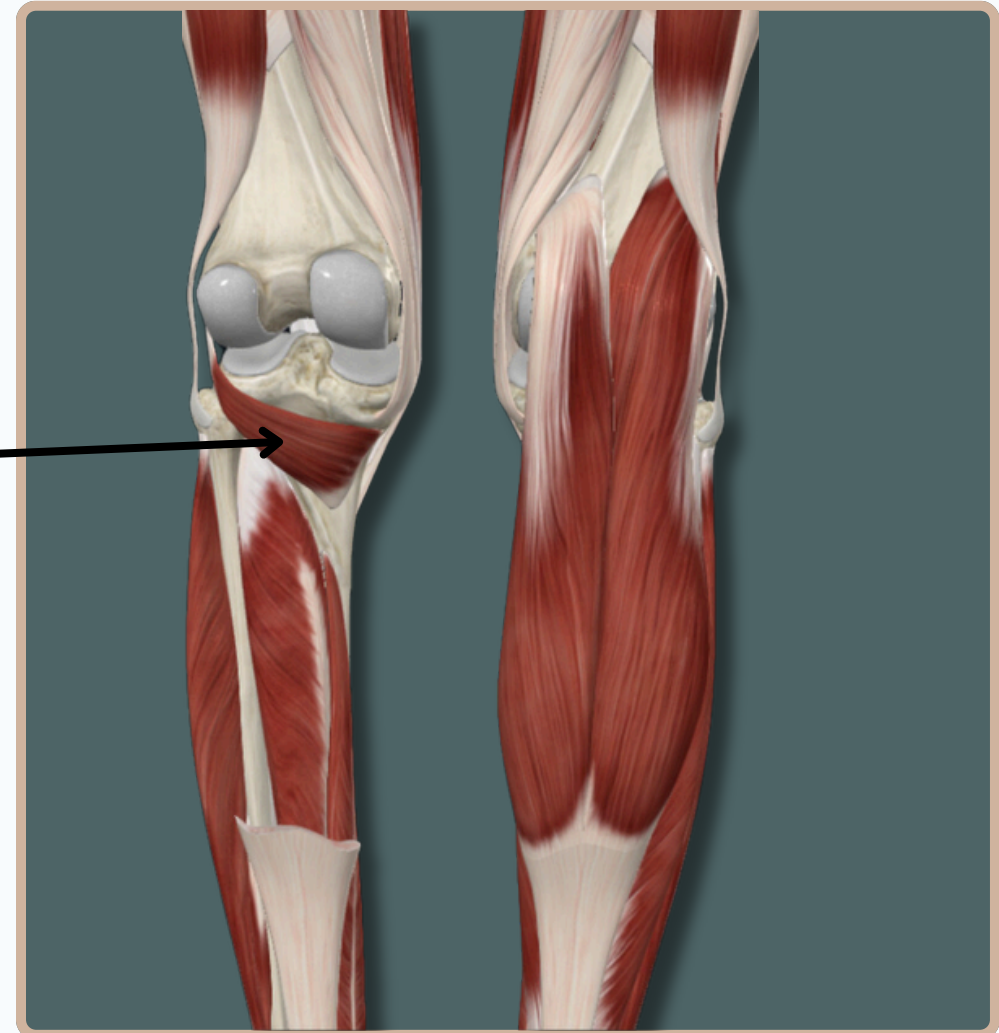
POPLITEUS

Origin : Groove for popliteus muscle



Popliteus

Insertion : Posterior surface of **tibia**
superior to soleal line



Action :

- Medially** rotates leg at **knee** joint
- unlocks** knee joint at beginning of knee flexion

Nerve Supply :
Tibial nerve

Posterior View

THANK YOU

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