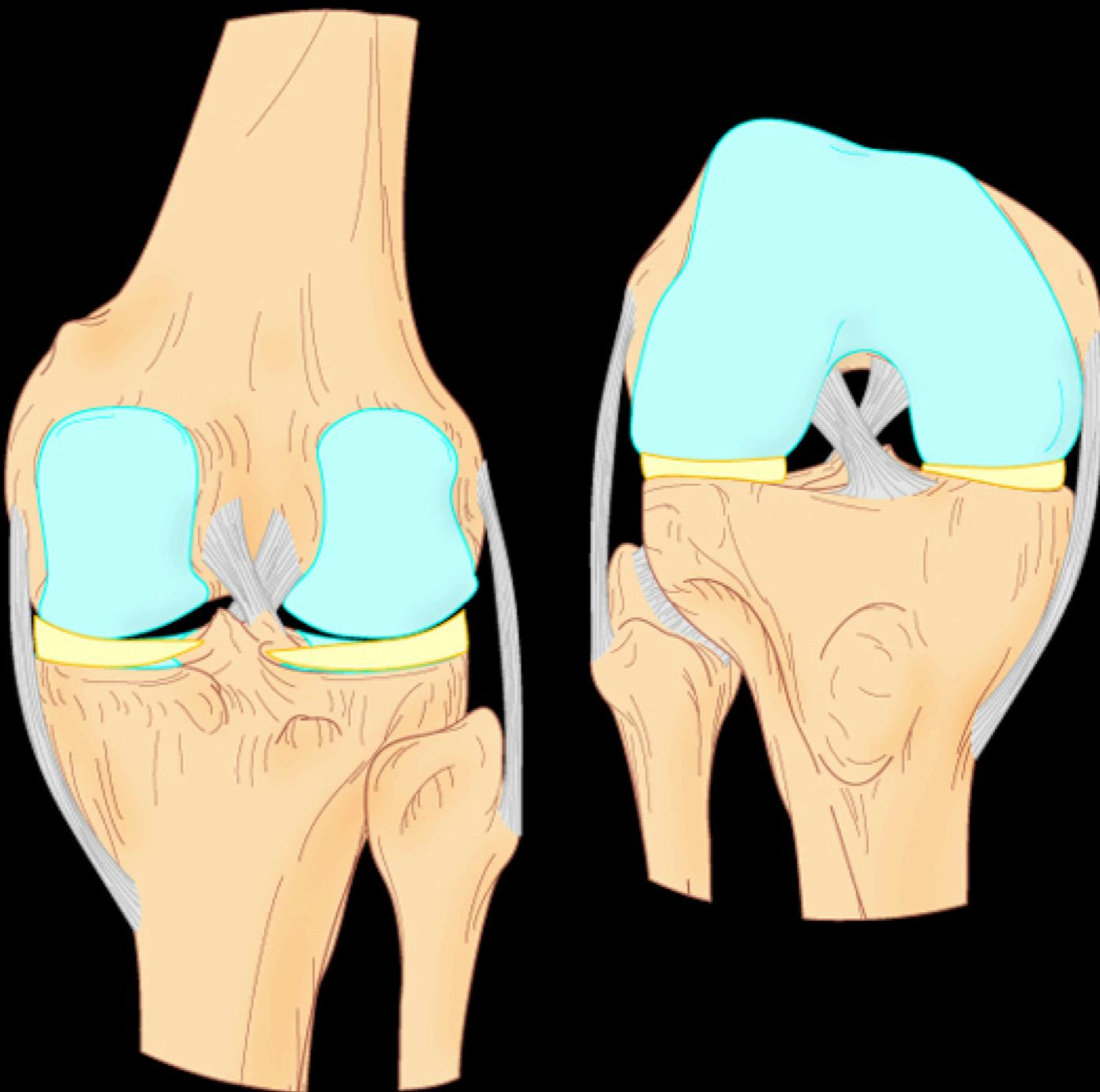


# Inferior Limb

Knee Joint

## Joint Structure

Type of Joint  
Articulations



# Knee Joint Inferior Limb

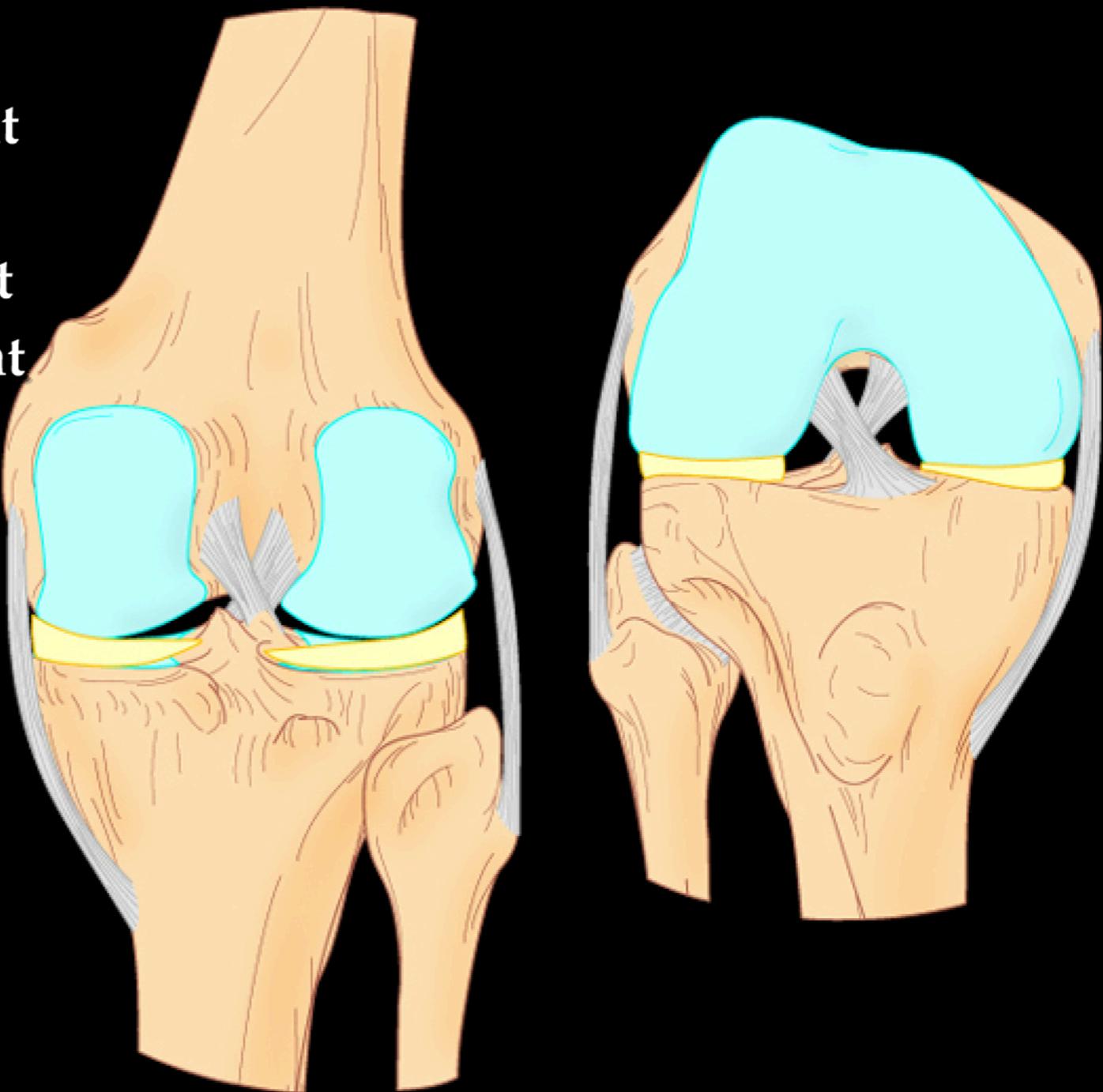
## Ligaments

Fibular collateral ligament

Tibial collateral ligament

Anterior cruciate ligament

Posterior cruciate ligament

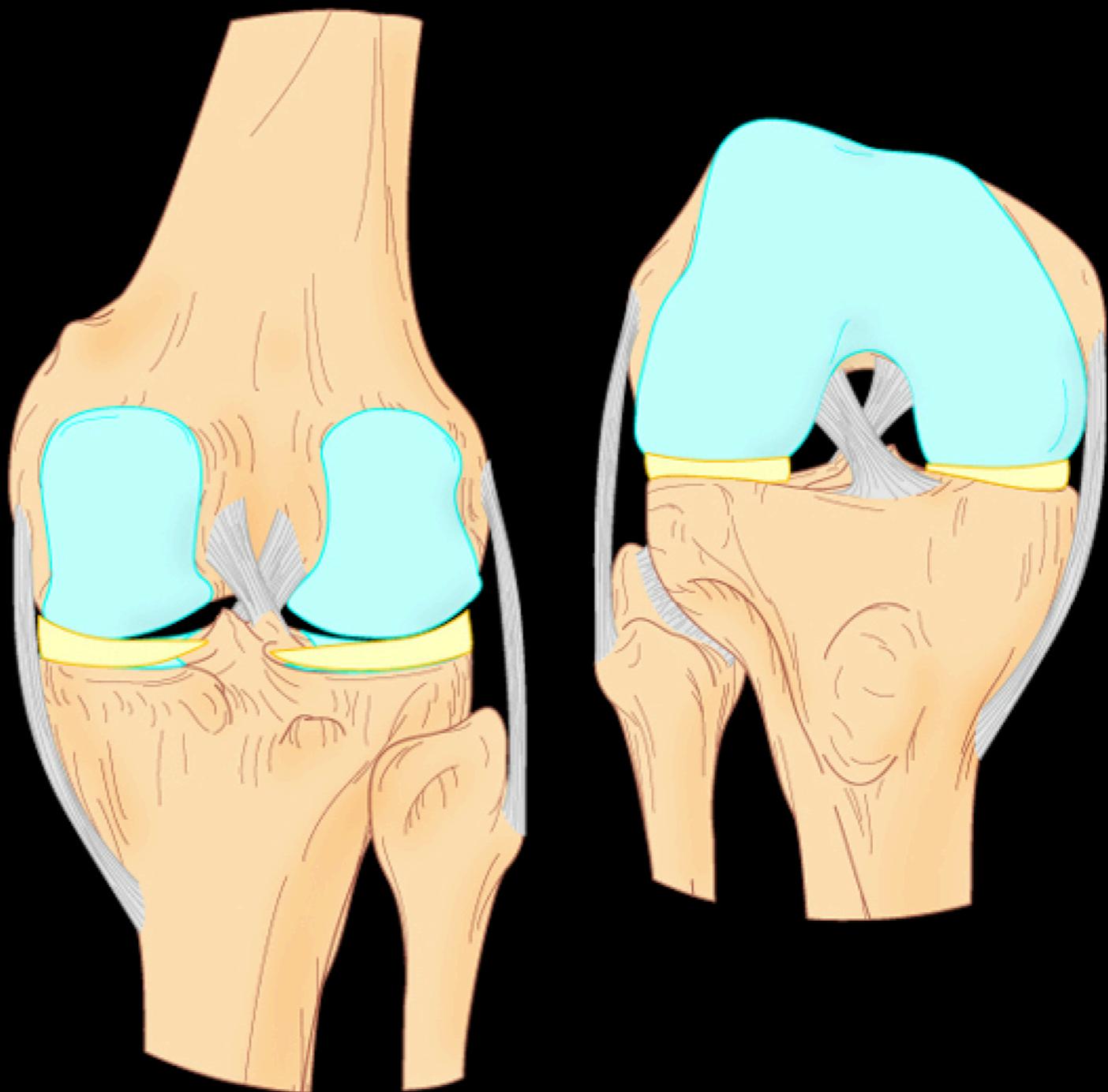


# Knee Joint Inferior Limb

## Menisci

Medial meniscus

Lateral meniscus



# Inferior Limb

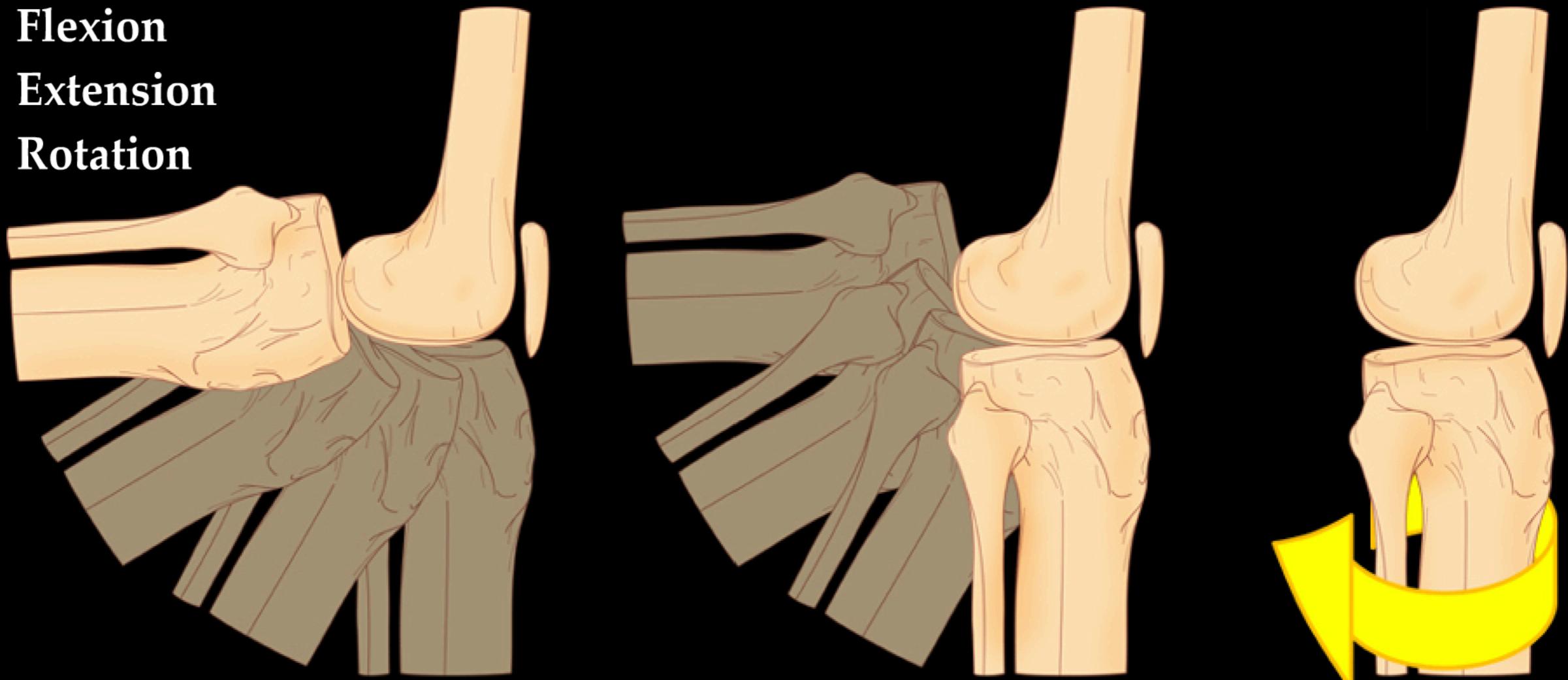
Knee Joint

## Movements at the Knee

Flexion

Extension

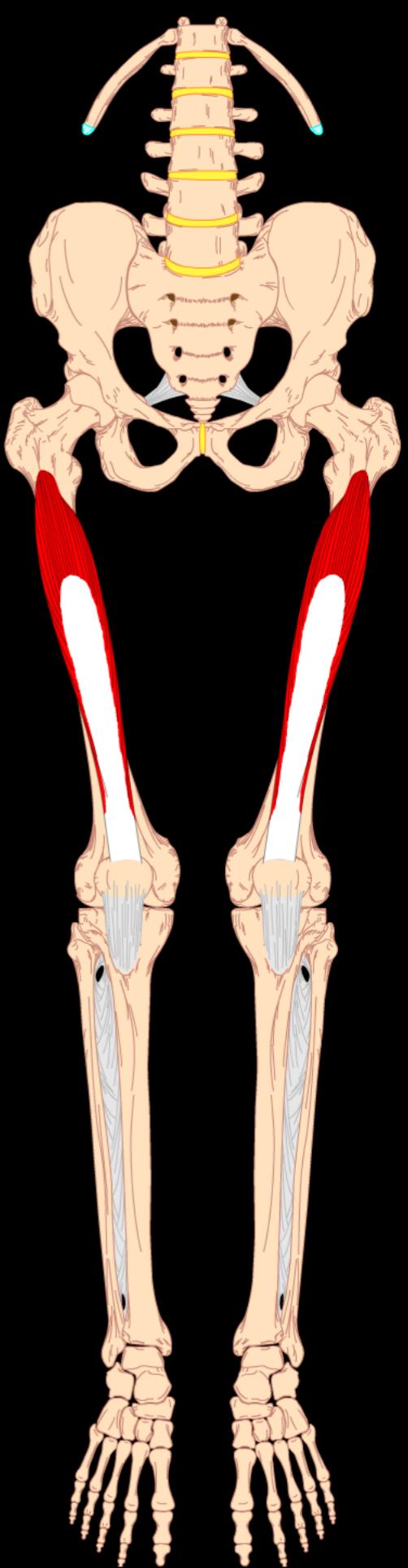
Rotation



# Inferior Limb

Anterior Thigh Compartment

## Vastus intermedius



# Inferior Limb

Anterior Thigh Compartment

## Vastus intermedius



# Inferior Limb

Anterior Thigh Compartment

## Vastus intermedius

Attachments

Origin

Insertion

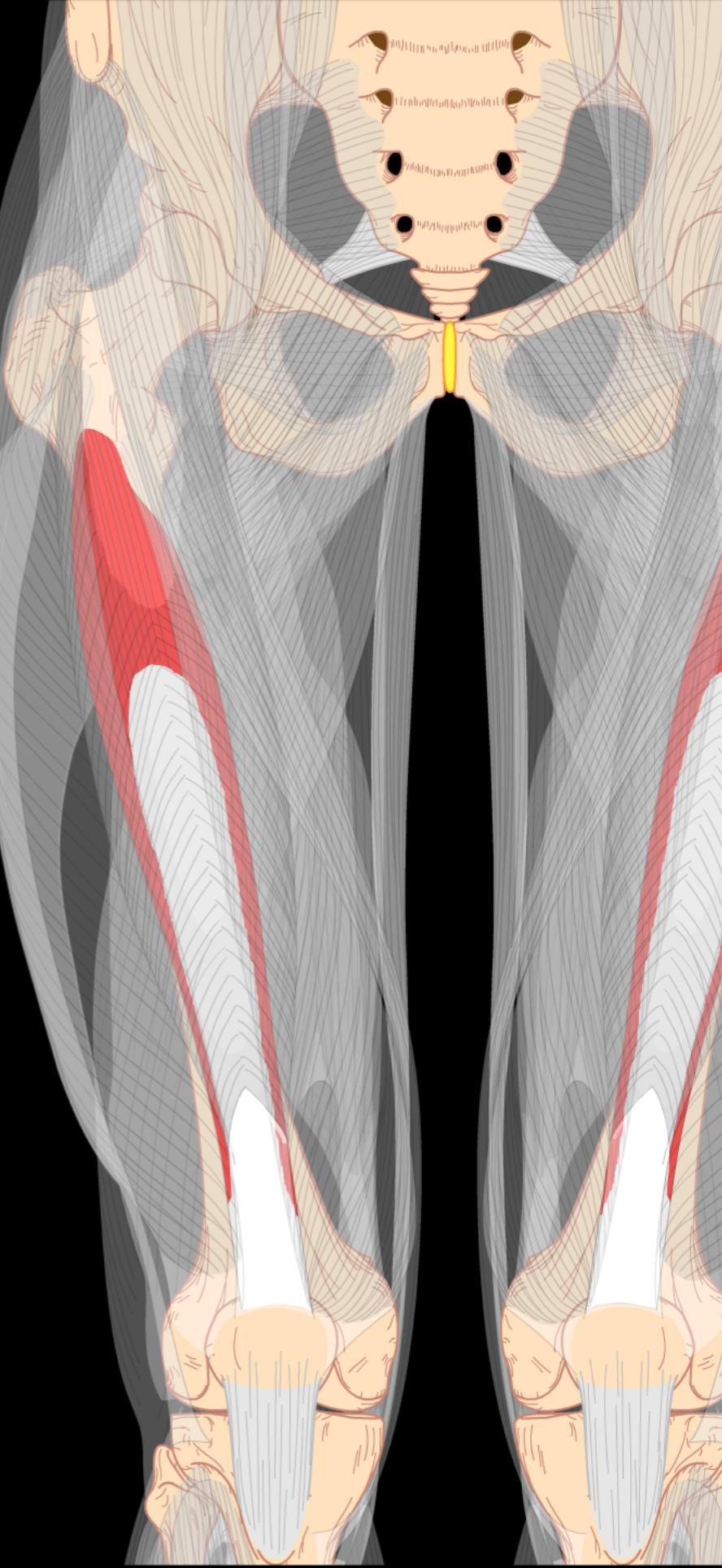


# Inferior Limb

Anterior Thigh Compartment

## Vastus intermedius

Topography

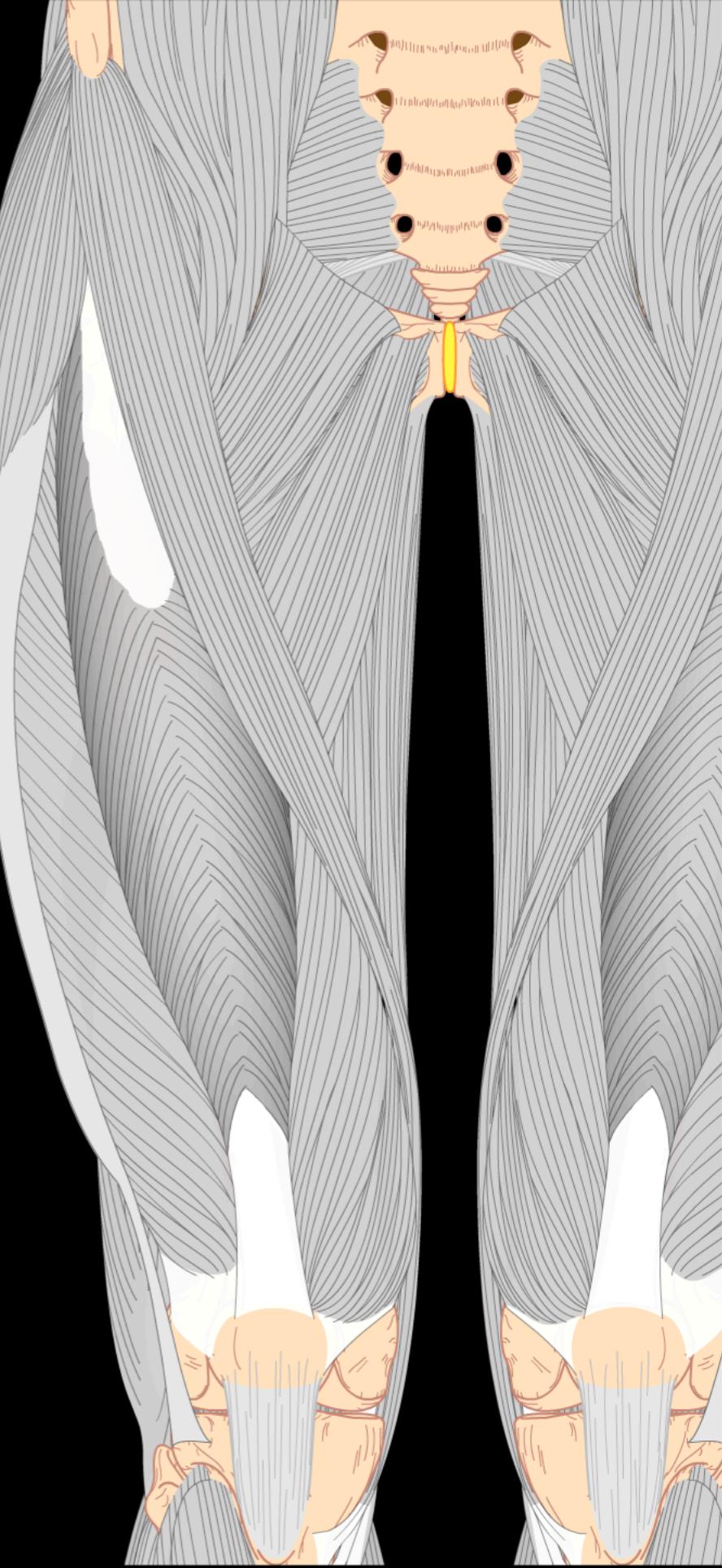


# Inferior Limb

Anterior Thigh Compartment

## Vastus intermedius

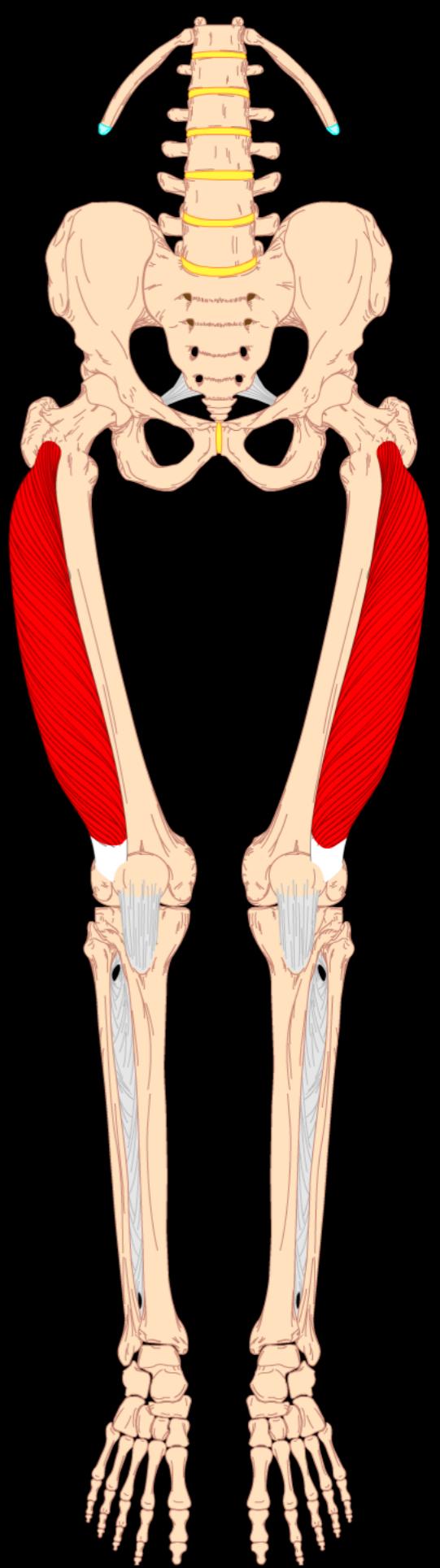
Topography



# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis



# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis



# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis



# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis

Attachments

Origin

Insertion



# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis

Attachments

Origin

Insertion

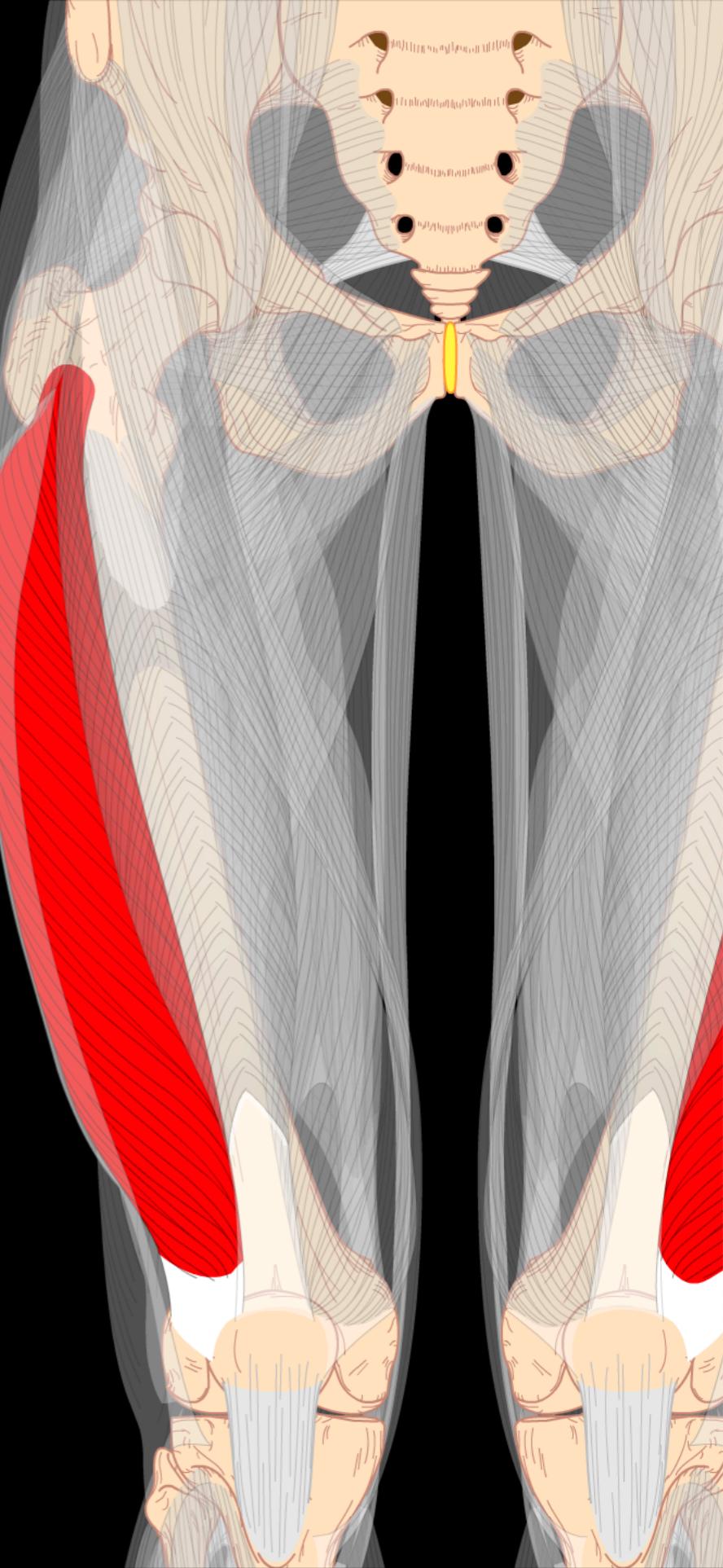


# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis

Topography

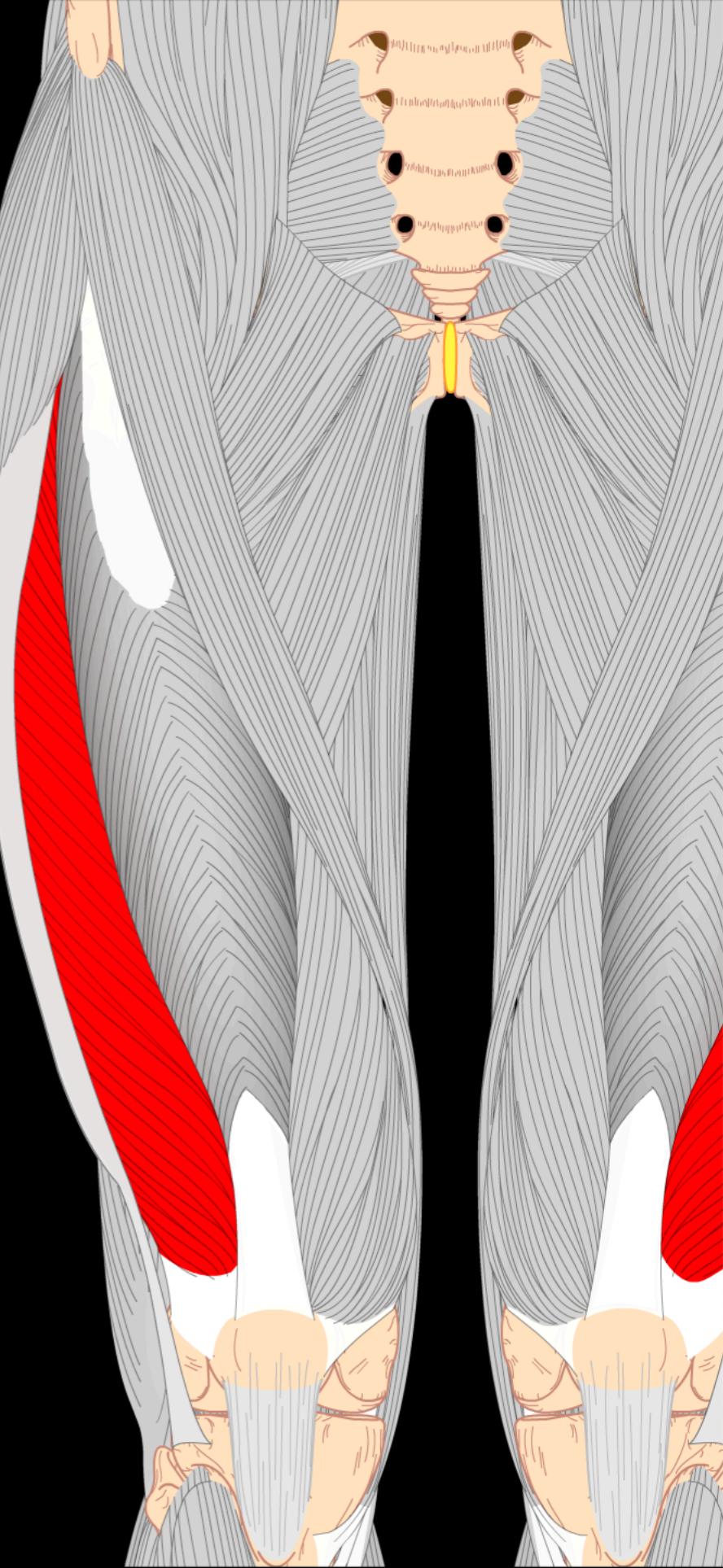


# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis

Topography

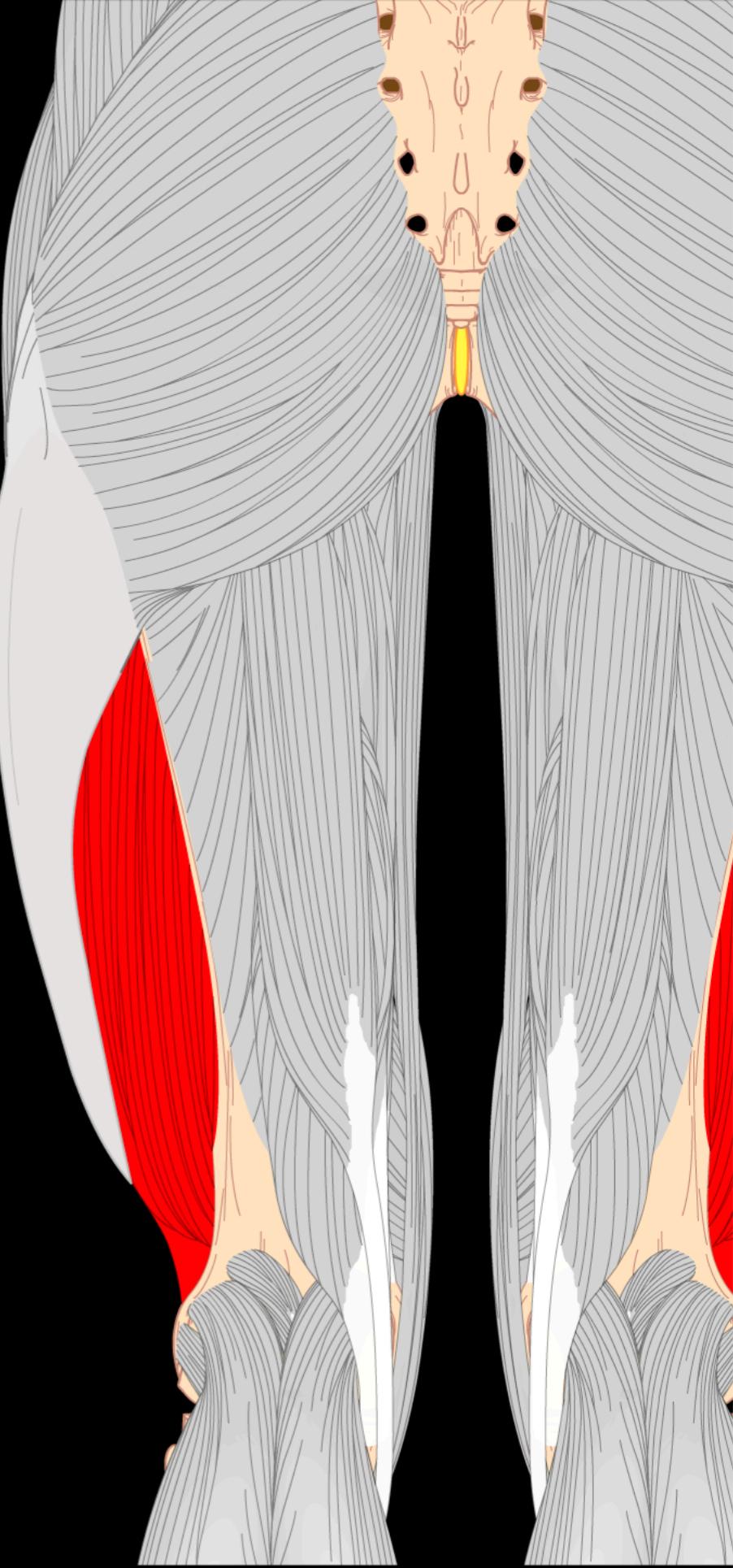


# Inferior Limb

Anterior Thigh Compartment

## Vastus lateralis

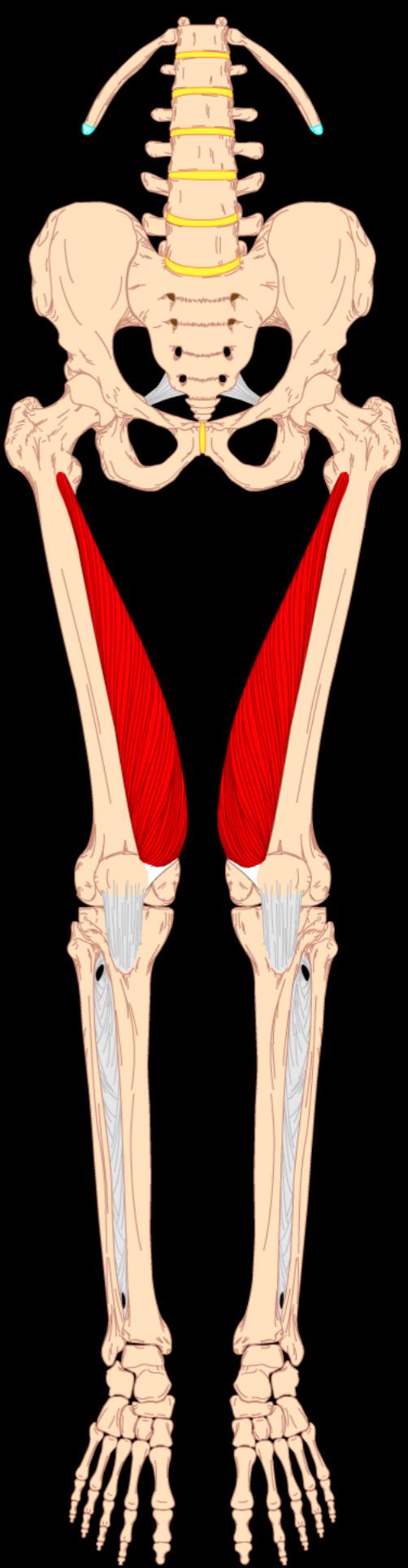
Topography



# Inferior Limb

Anterior Thigh Compartment

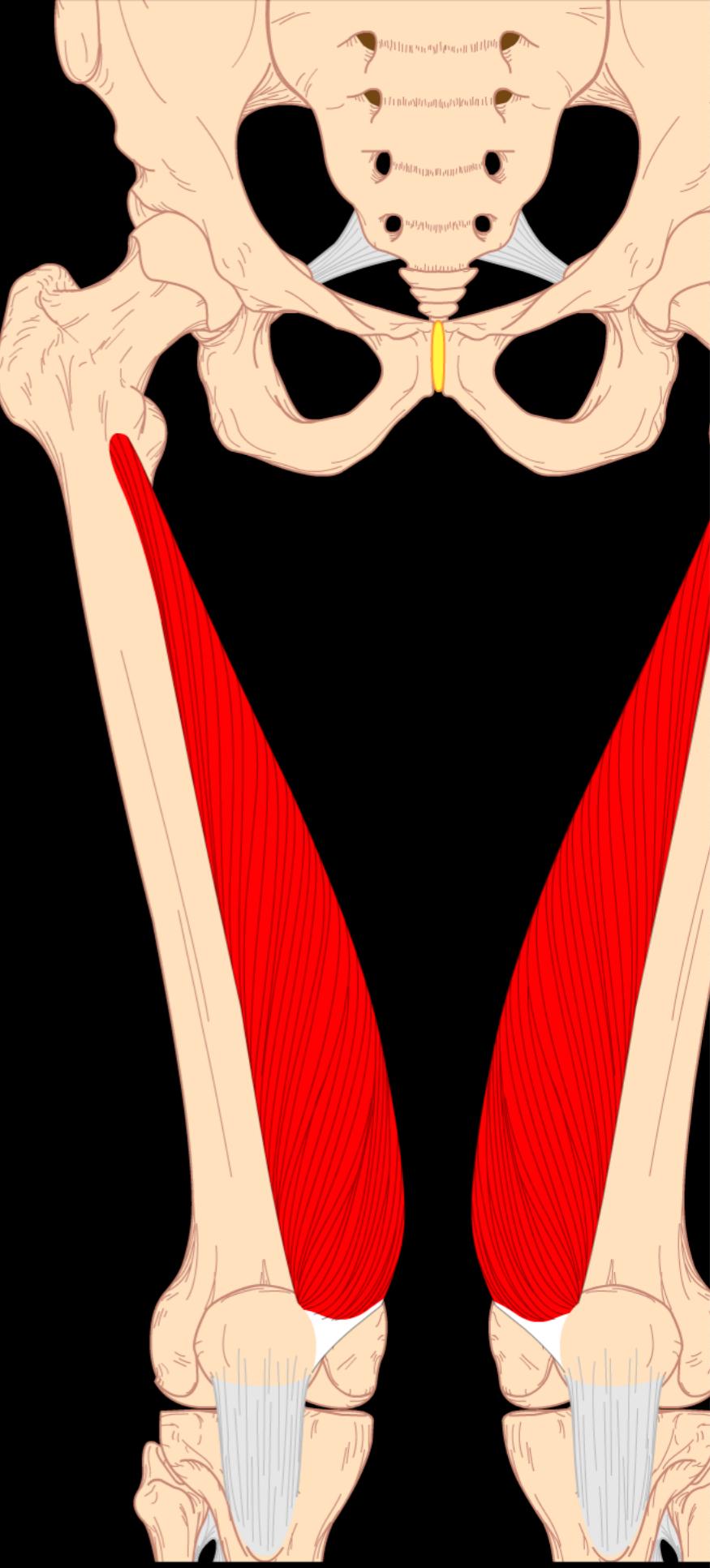
## Vastus medialis



# Inferior Limb

Anterior Thigh Compartment

## Vastus medialis



# Inferior Limb

Anterior Thigh Compartment

## Vastus medialis



# Inferior Limb

Anterior Thigh Compartment

## Vastus medialis

Attachments

Origin

Insertion



# Inferior Limb

Anterior Thigh Compartment

## Vastus medialis

Attachments

Origin

Insertion

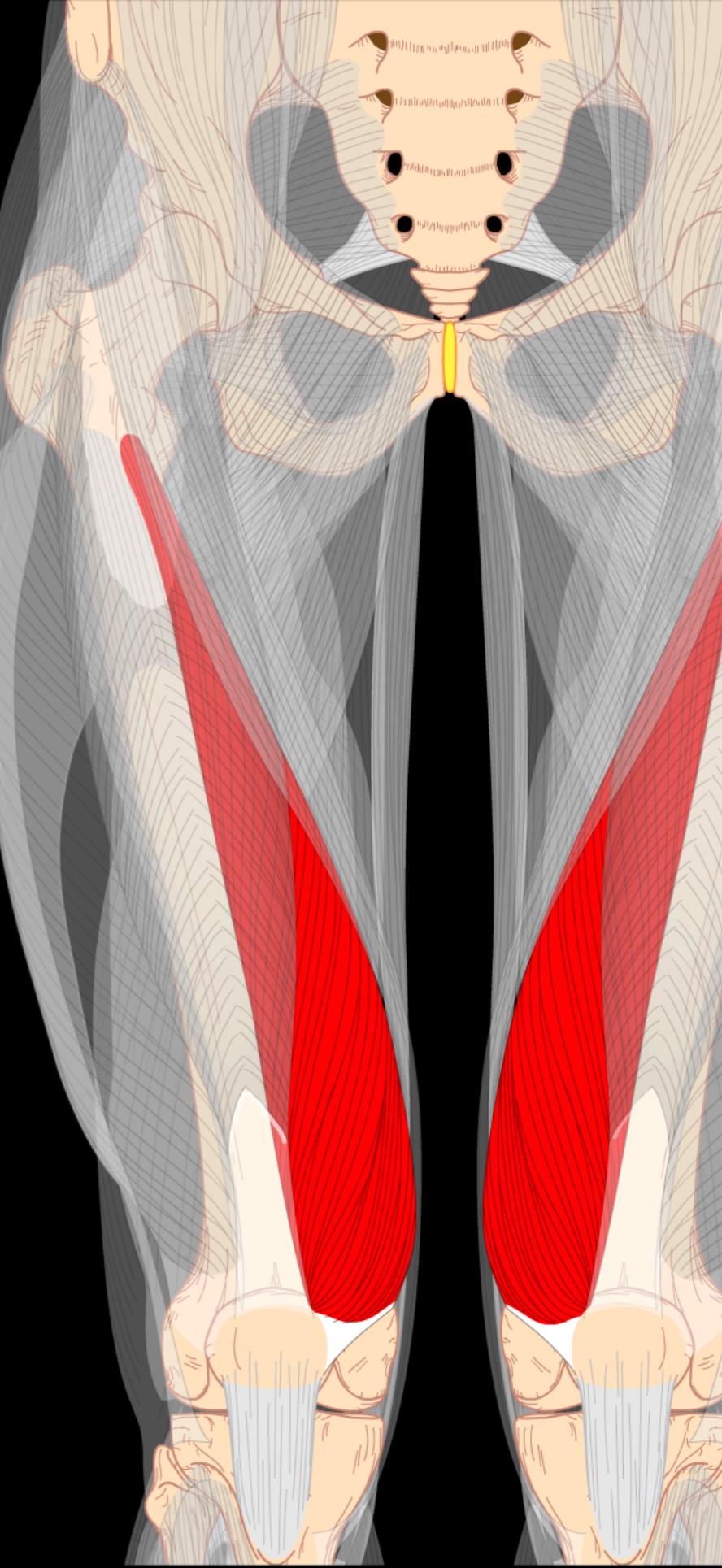


# Inferior Limb

Anterior Thigh Compartment

## Vastus medialis

Topography

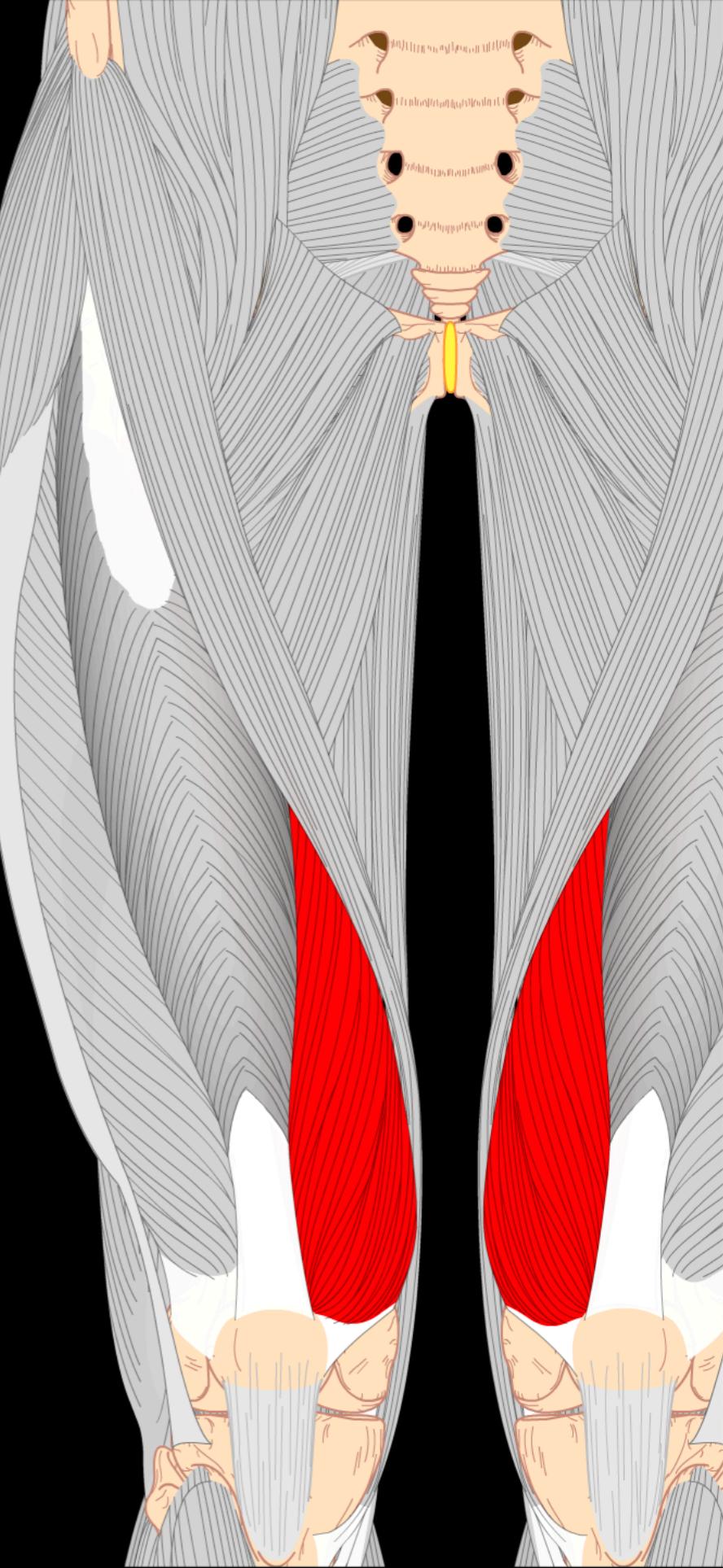


# Inferior Limb

Anterior Thigh Compartment

## Vastus medialis

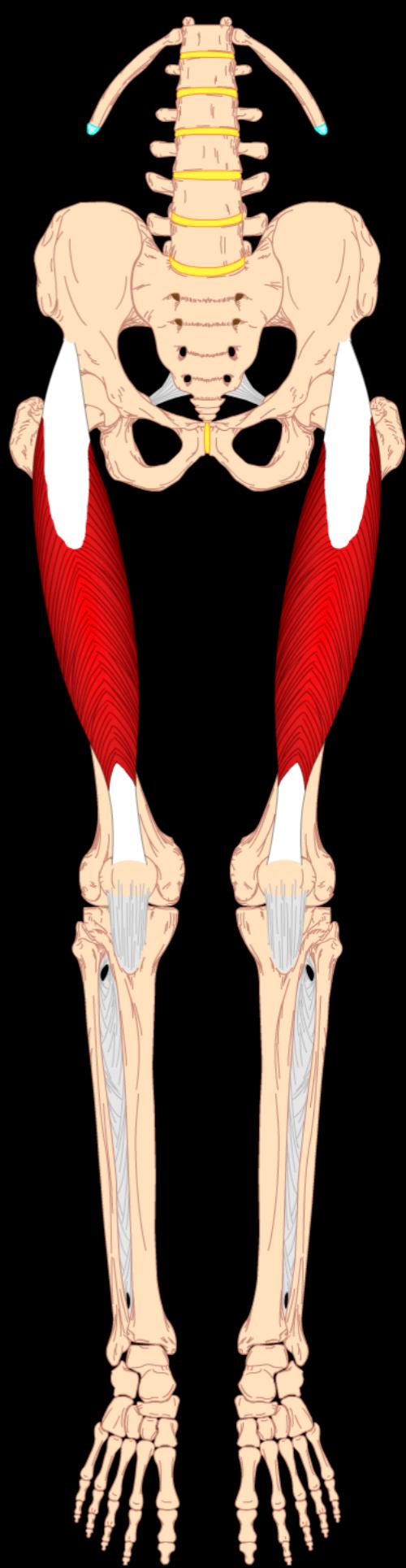
Topography



# Inferior Limb

Anterior Thigh Compartment

## Rectus femoris



# Inferior Limb

Anterior Thigh Compartment

## Rectus femoris



# Inferior Limb

Anterior Thigh Compartment

## Rectus femoris

Attachments

Origin

Insertion

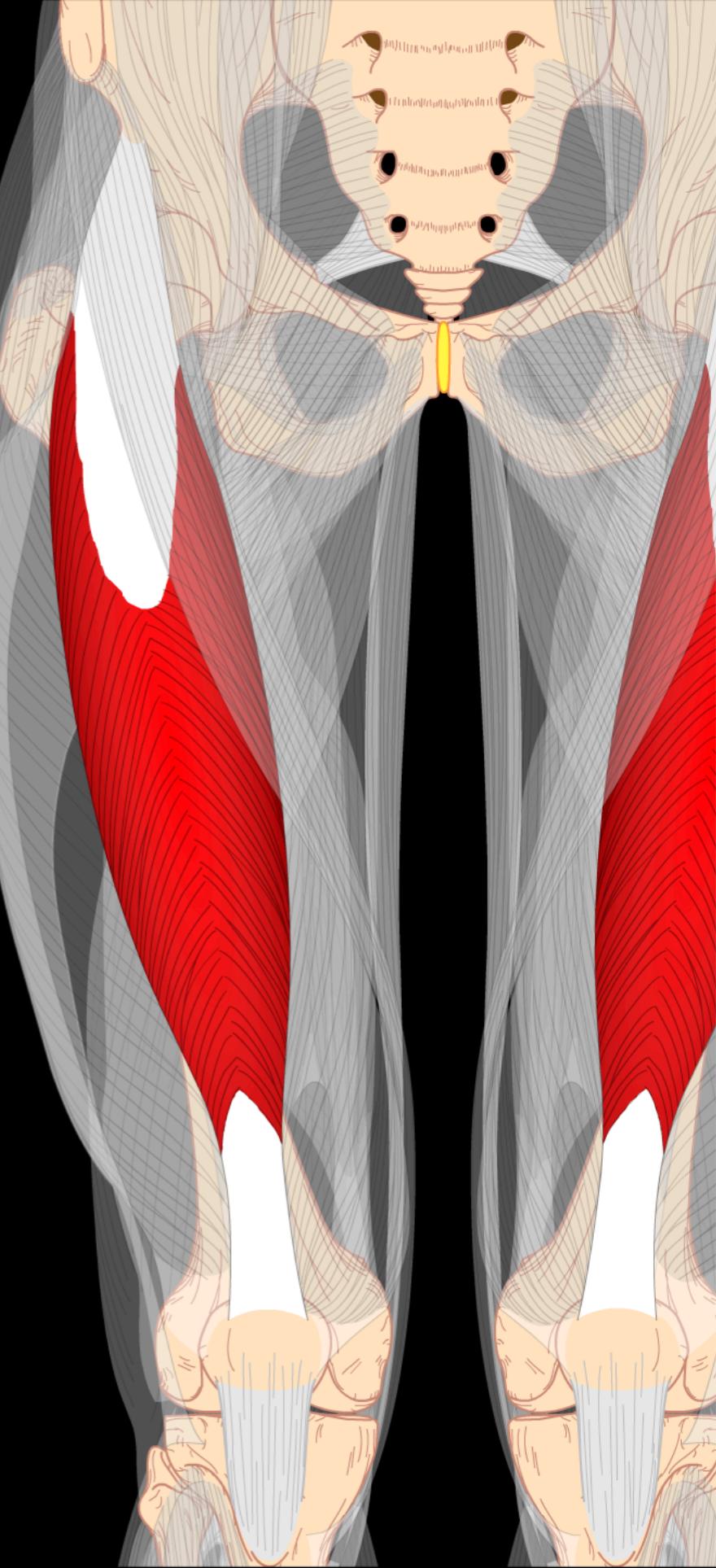


# Inferior Limb

Anterior Thigh Compartment

## Rectus femoris

Topography

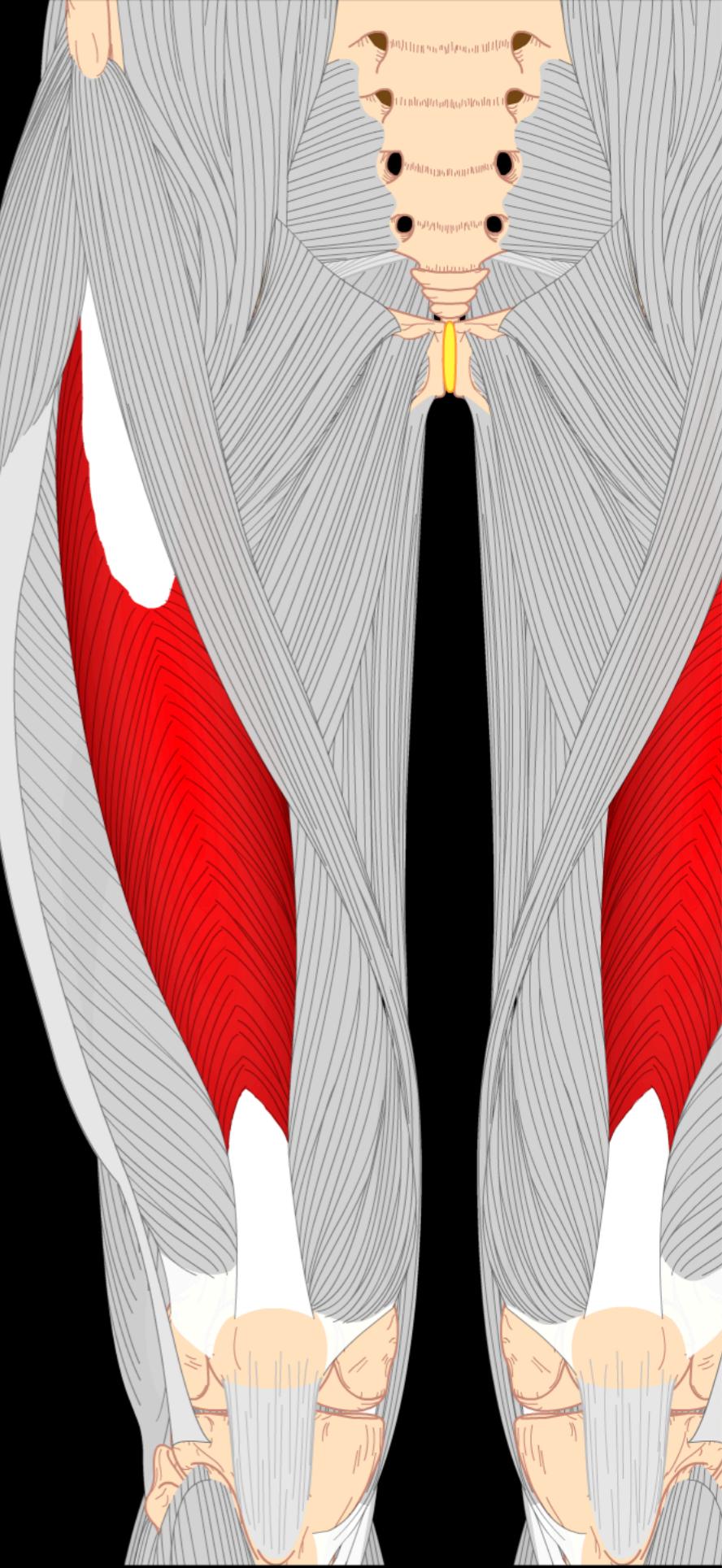


# Inferior Limb

Anterior Thigh Compartment

## Rectus femoris

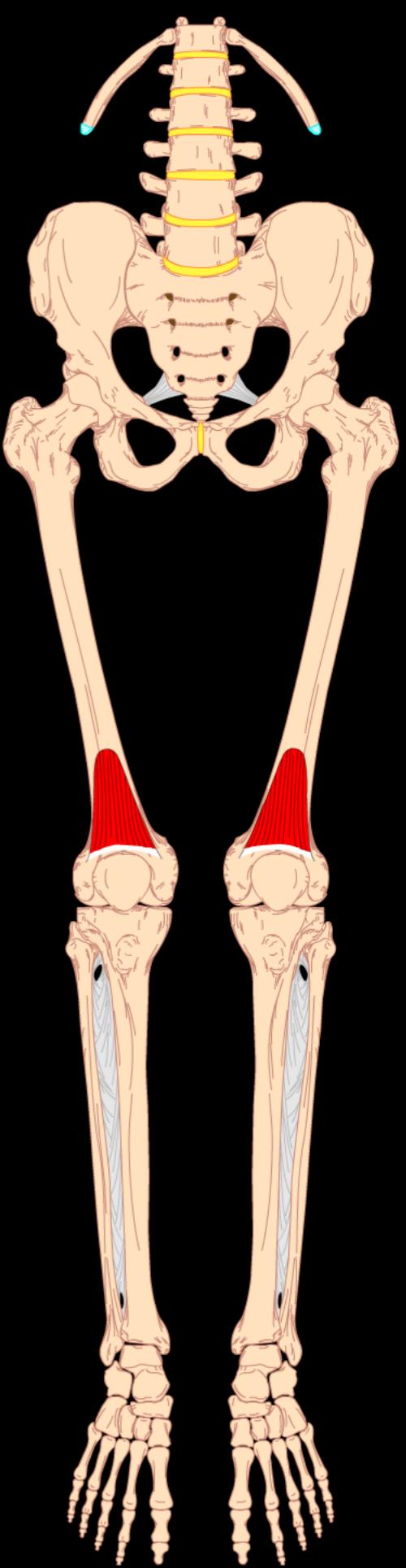
Topography



# Inferior Limb

Anterior Thigh Compartment

## Articularis genus



# Inferior Limb

Anterior Thigh Compartment

## Articularis genus



# Inferior Limb

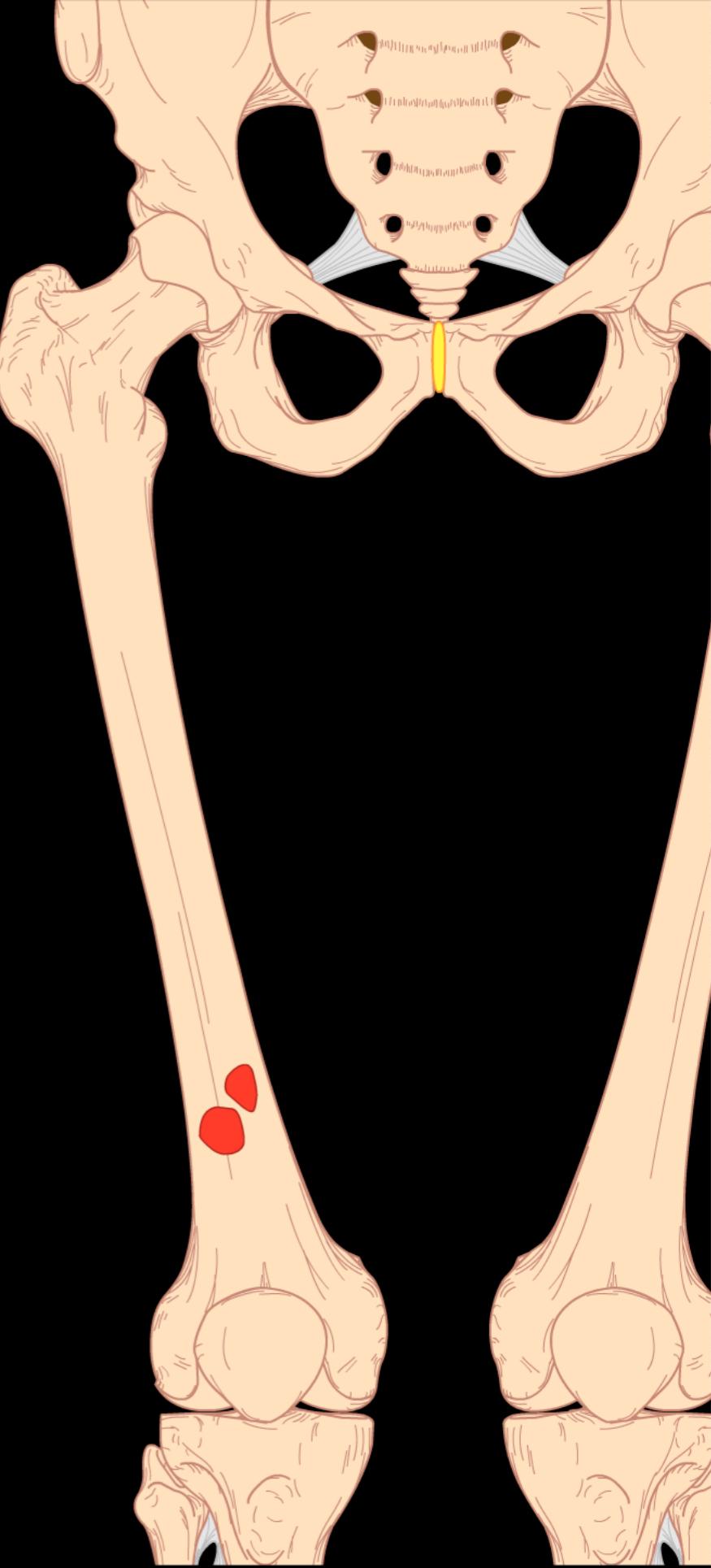
Anterior Thigh Compartment

## Articularis genus

Attachments

Origin

Insertion

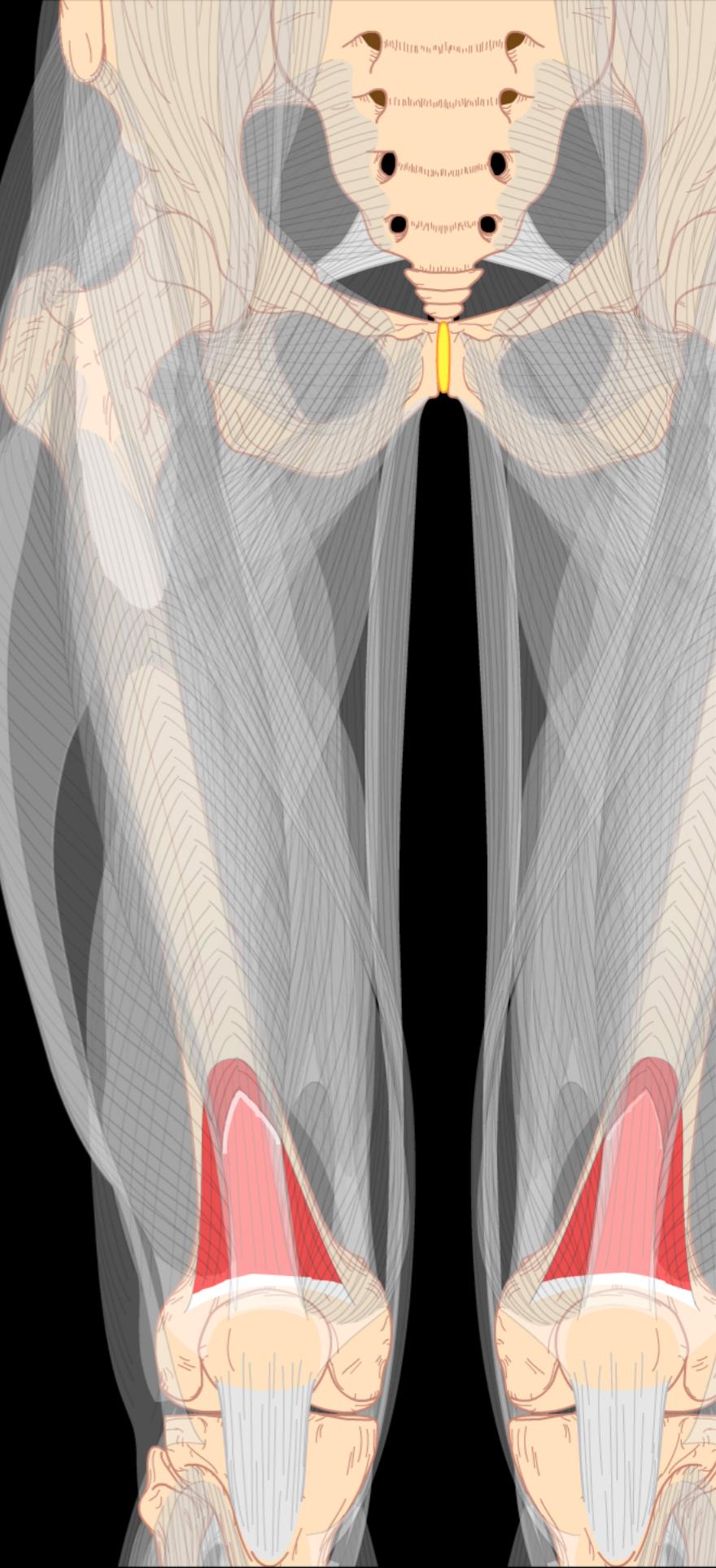


# Inferior Limb

Anterior Thigh Compartment

## Articularis genus

Topography

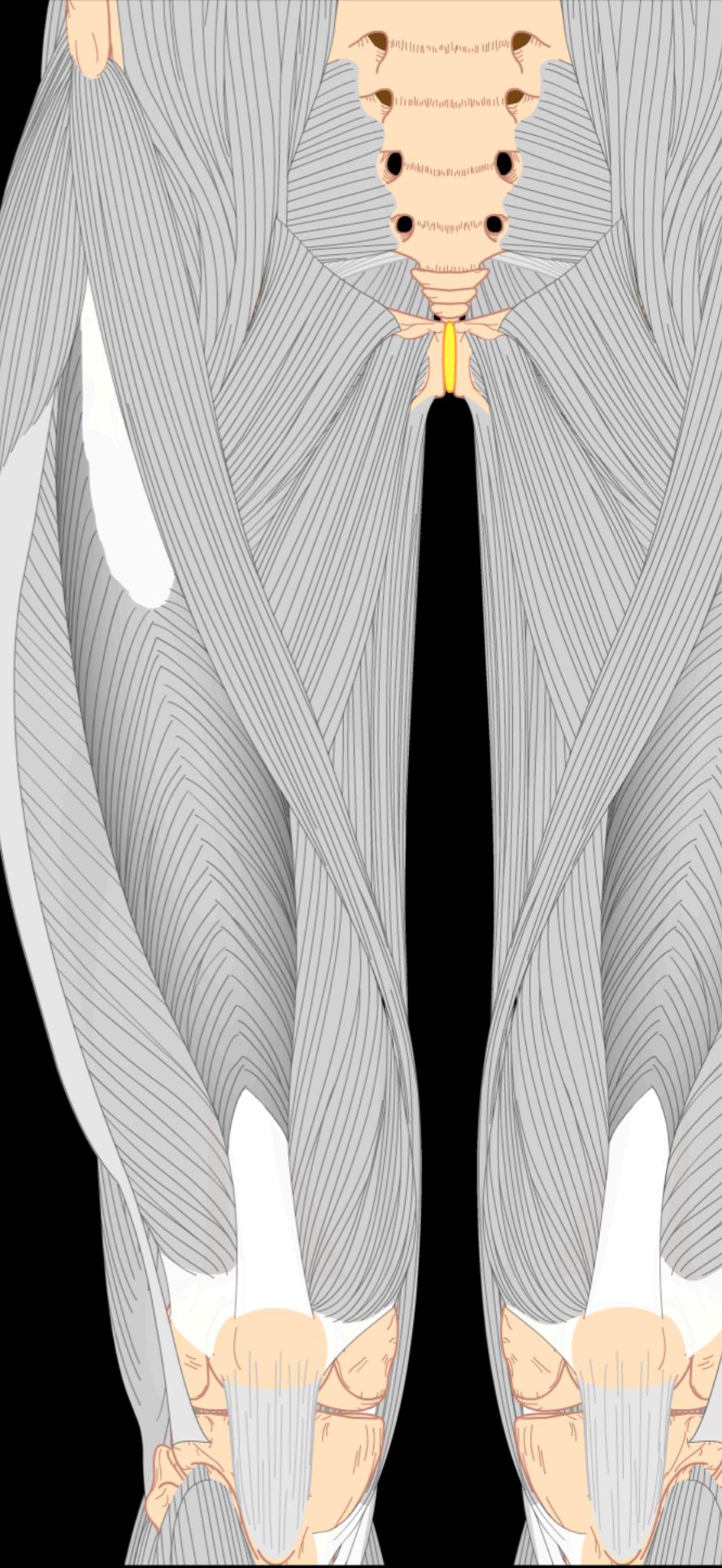


# Inferior Limb

Anterior Thigh Compartment

## Articularis genus

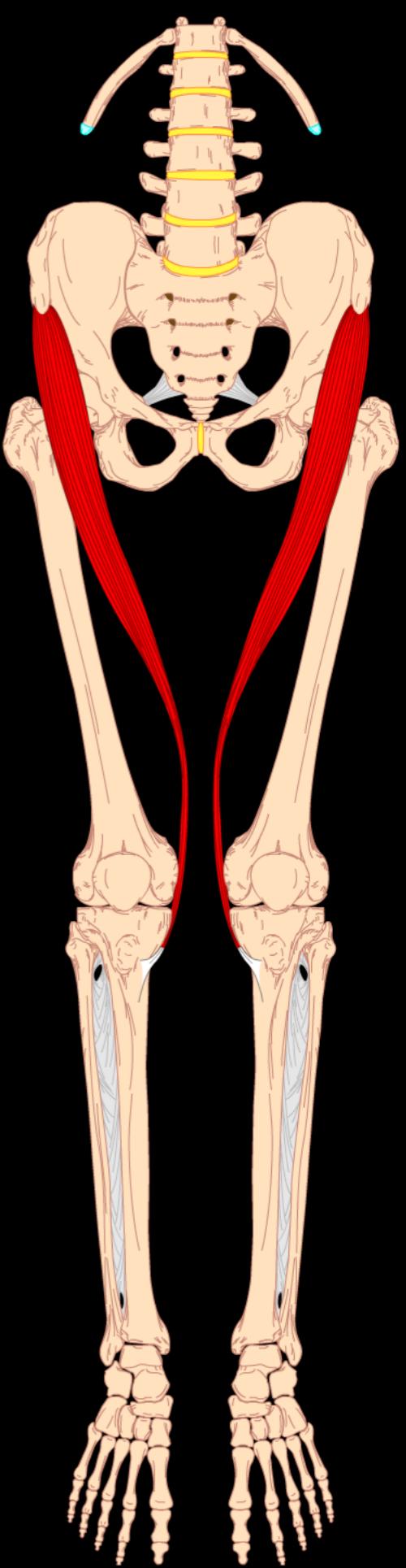
Topography



# Inferior Limb

Anterior Thigh Compartment

## Sartorius



# Inferior Limb

Anterior Thigh Compartment

## Sartorius



# Inferior Limb

Anterior Thigh Compartment

## Sartorius

Attachments

Origin

Insertion

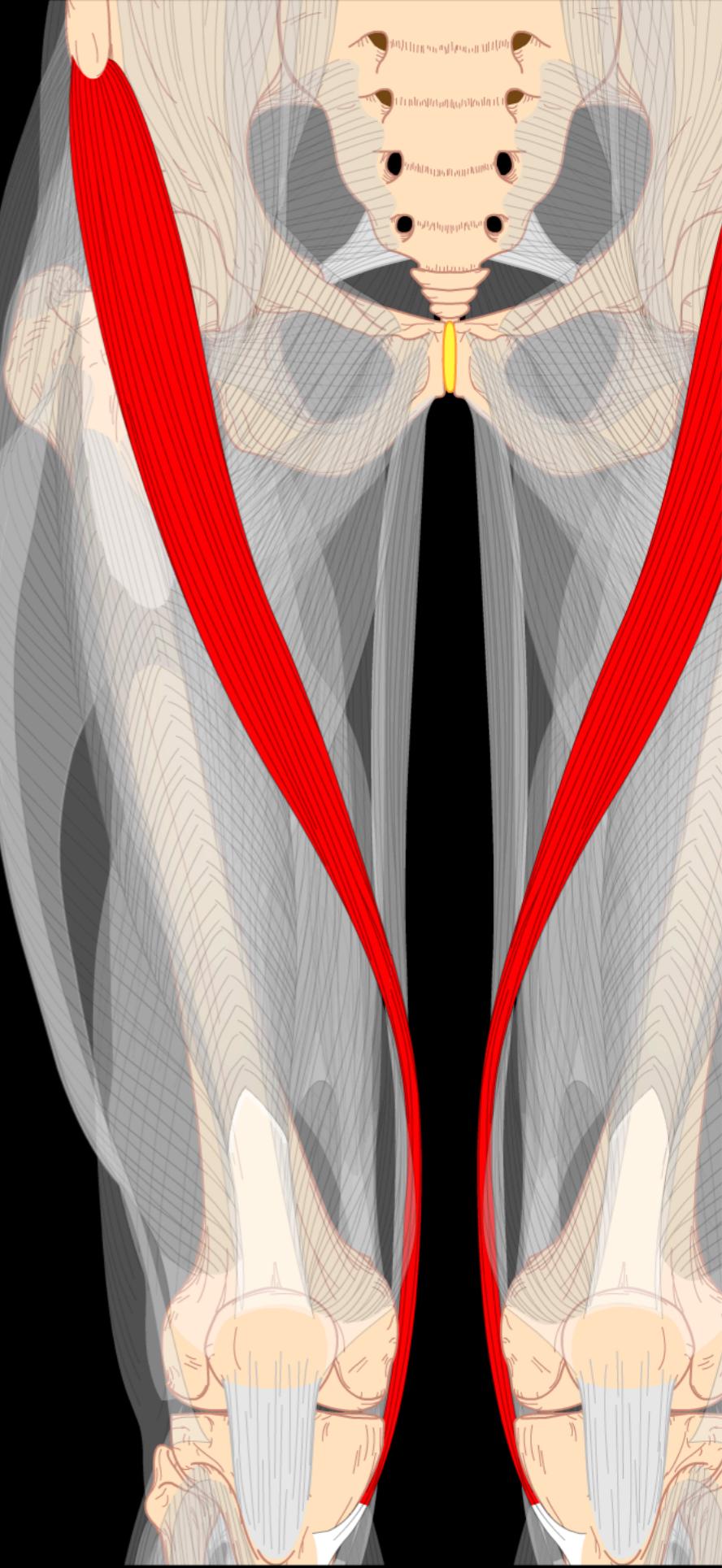


# Inferior Limb

Anterior Thigh Compartment

## Sartorius

Topography

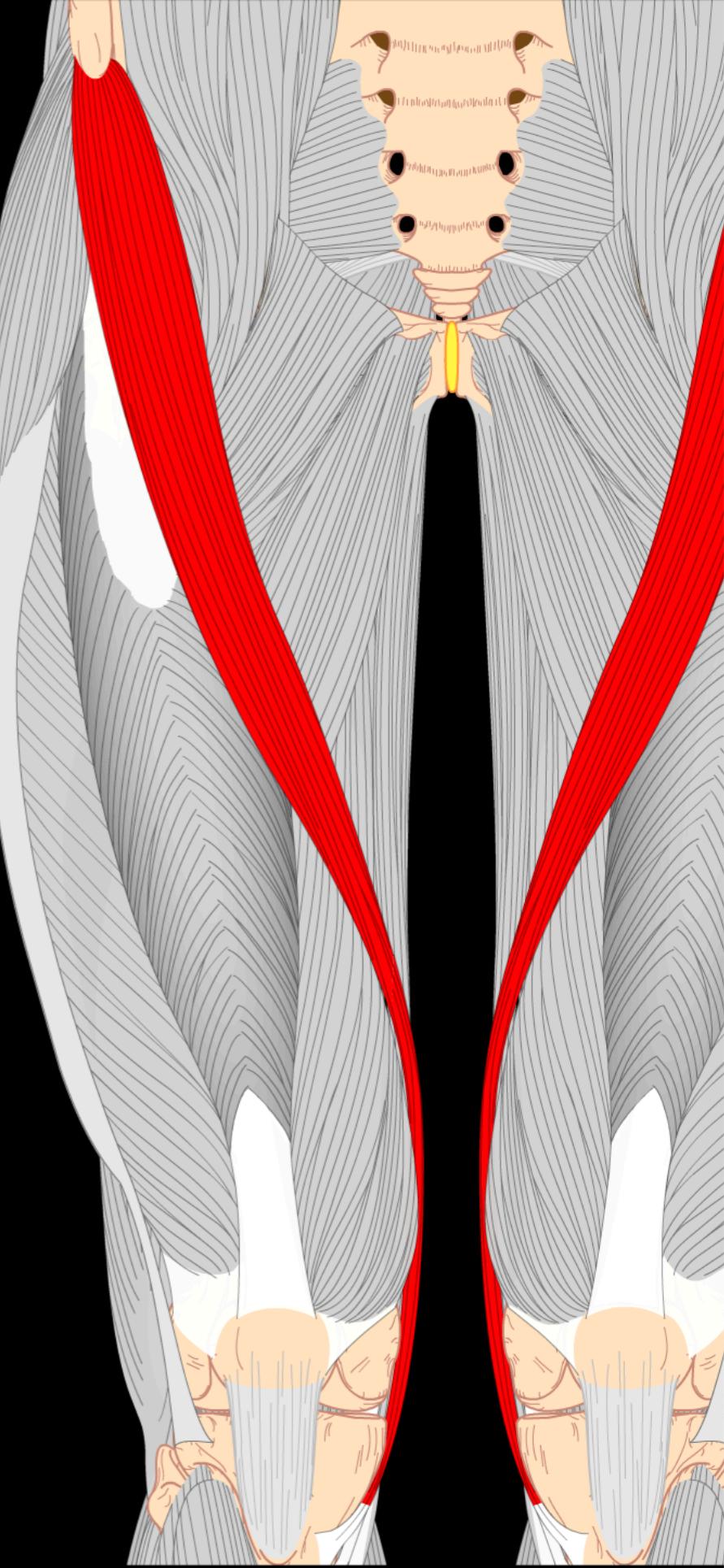


# Inferior Limb

Anterior Thigh Compartment

## Sartorius

Topography



# Inferior Limb

Anterior Thigh Compartment

## Sartorius

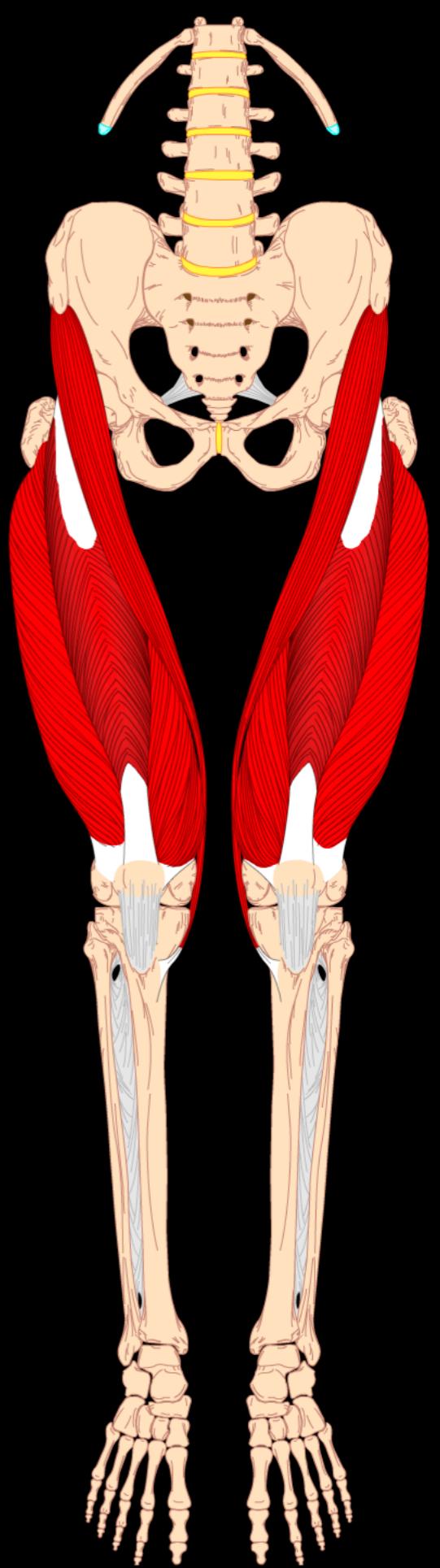
Topography



# Inferior Limb

Anterior Thigh Compartment

## Summary



# Inferior Limb

## Anterior Thigh Compartment

### Summary



# Inferior Limb

Anterior Thigh Compartment

## Summary

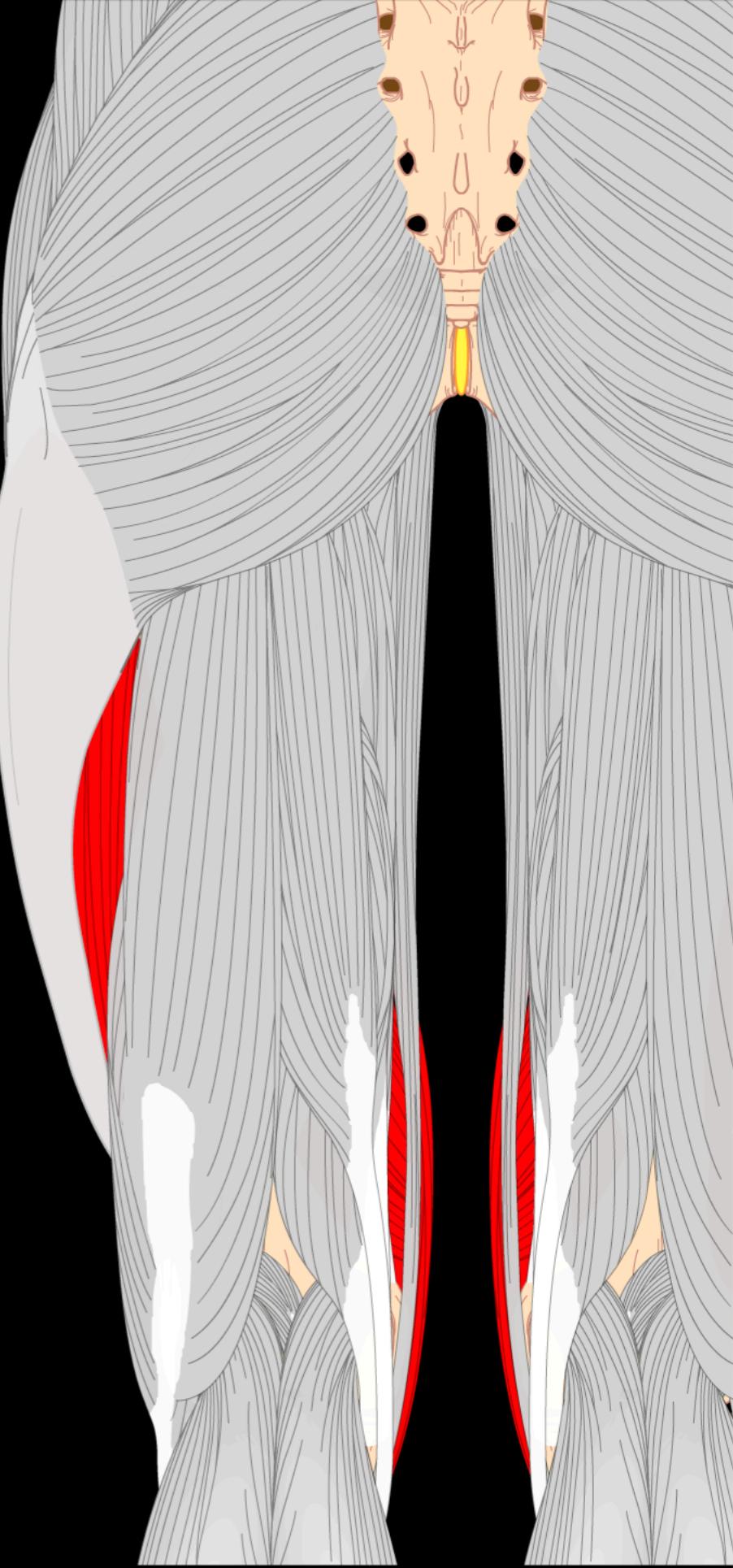


# Inferior Limb

Anterior Thigh Compartment

## Summary

Topography

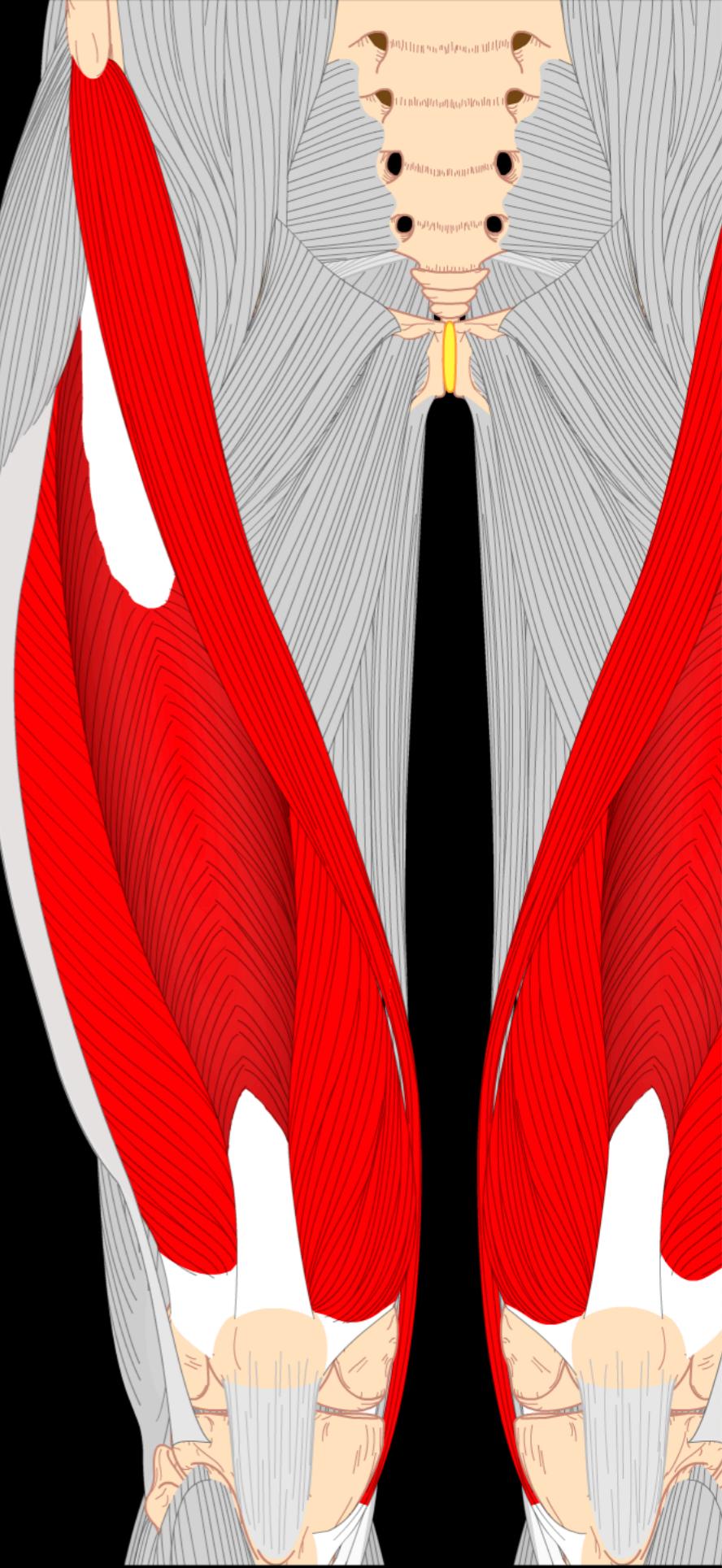


# Inferior Limb

## Anterior Thigh Compartment

### Summary

#### Topography



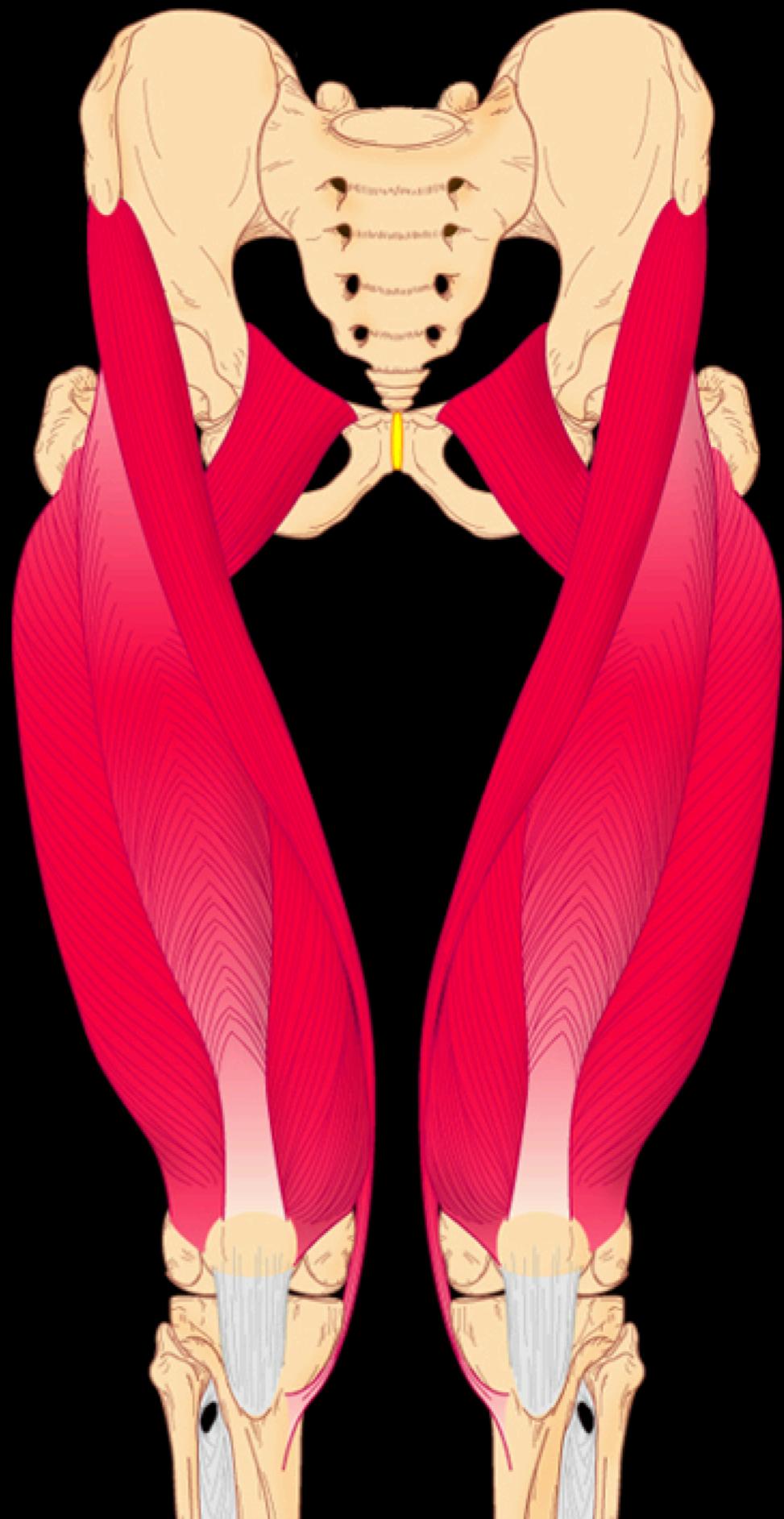
# Inferior Limb

Inferior Limb Innervation

## Muscle Innervation

Femoral nerve

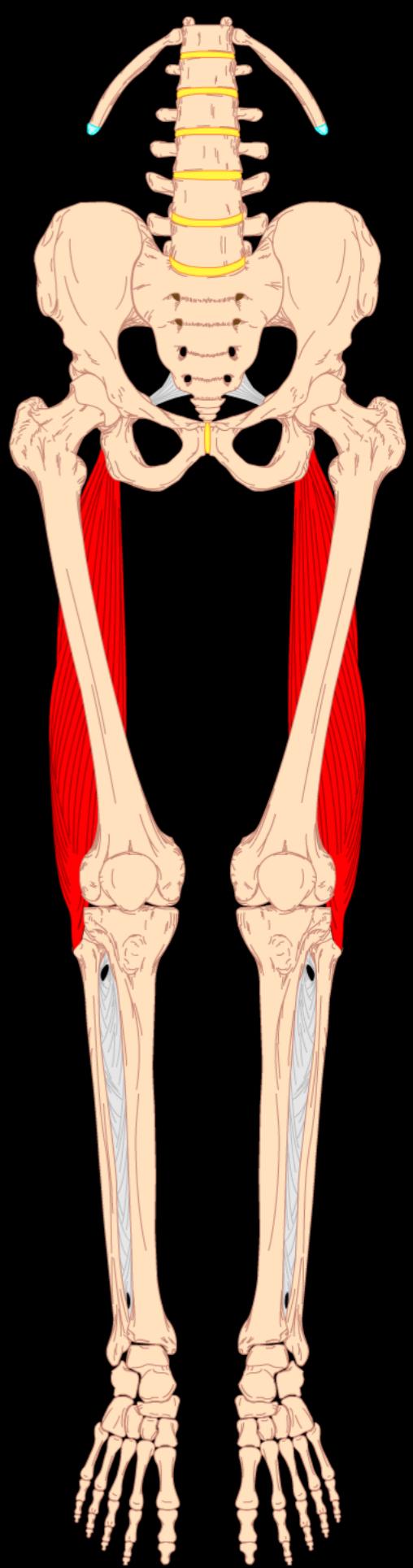
Anterior compartment and pectineus



# Inferior Limb

Posterior Thigh Compartment

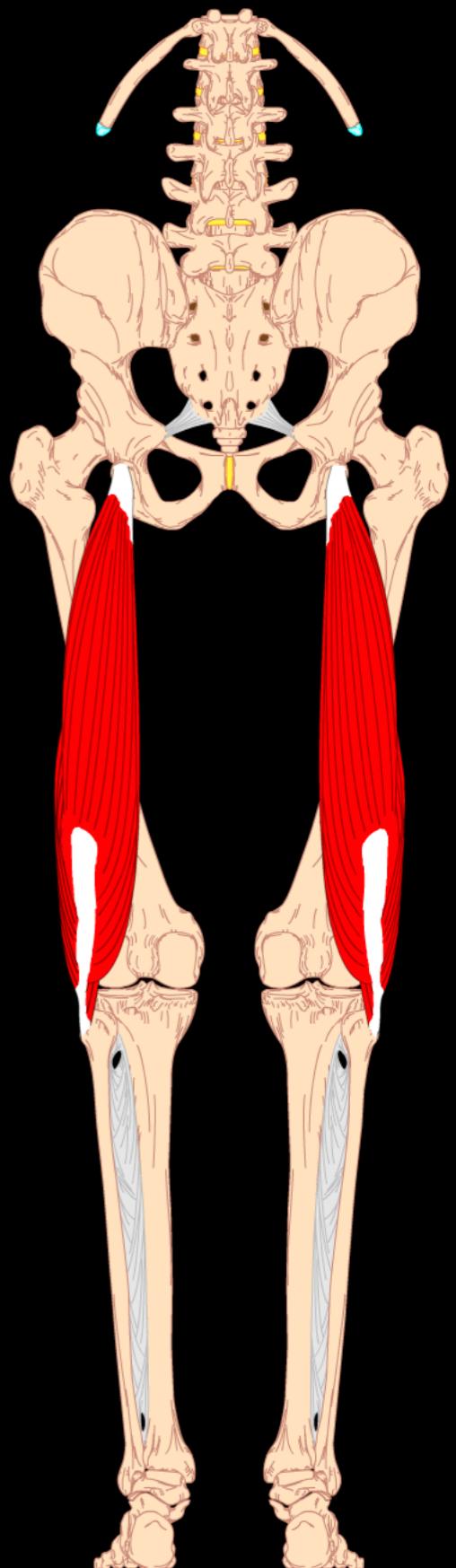
## Biceps femoris



# Inferior Limb

Posterior Thigh Compartment

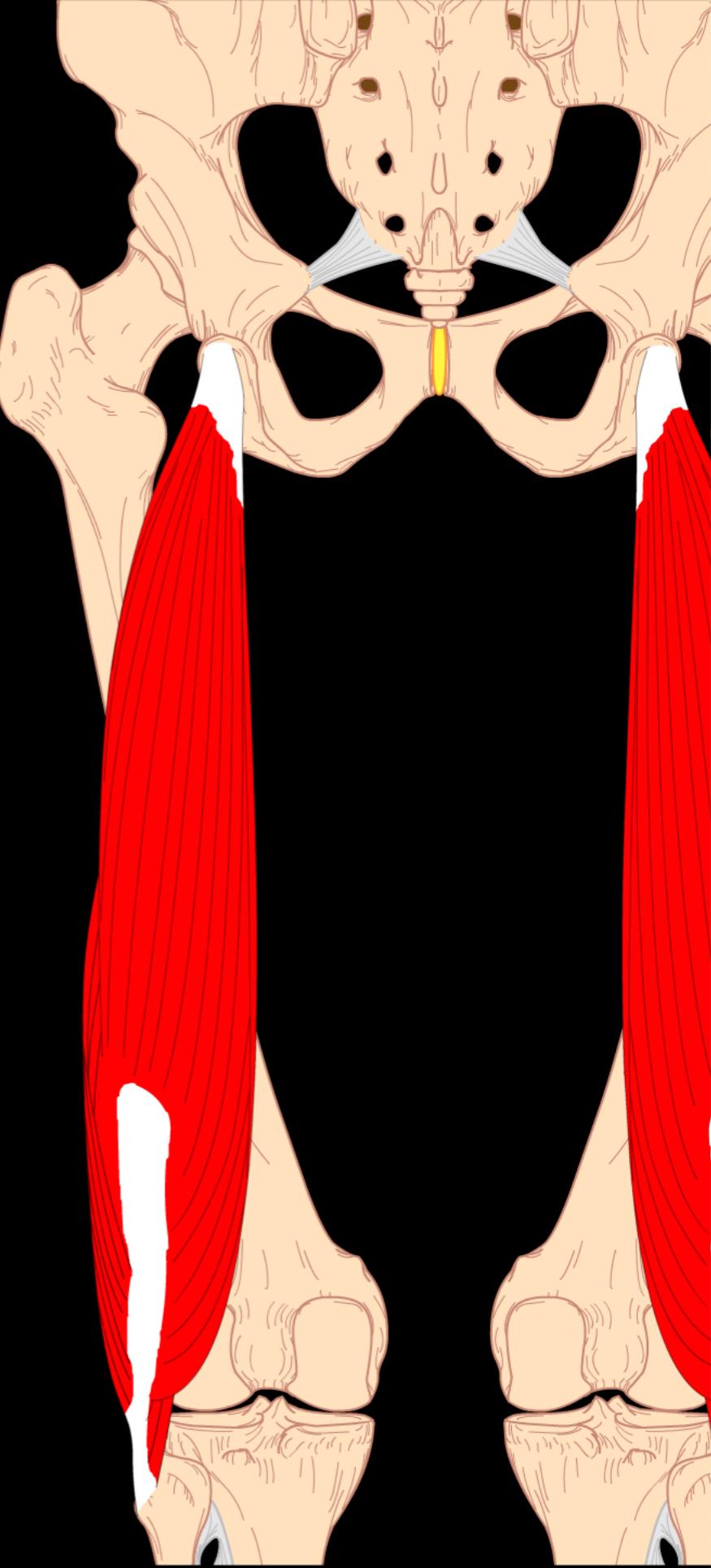
## Biceps femoris



# Inferior Limb

Posterior Thigh Compartment

## Biceps femoris



# Inferior Limb

## Posterior Thigh Compartment

### Biceps femoris

Attachments

Origin

Insertion



# Inferior Limb

## Posterior Thigh Compartment

### Biceps femoris

Attachments

Origin

Insertion

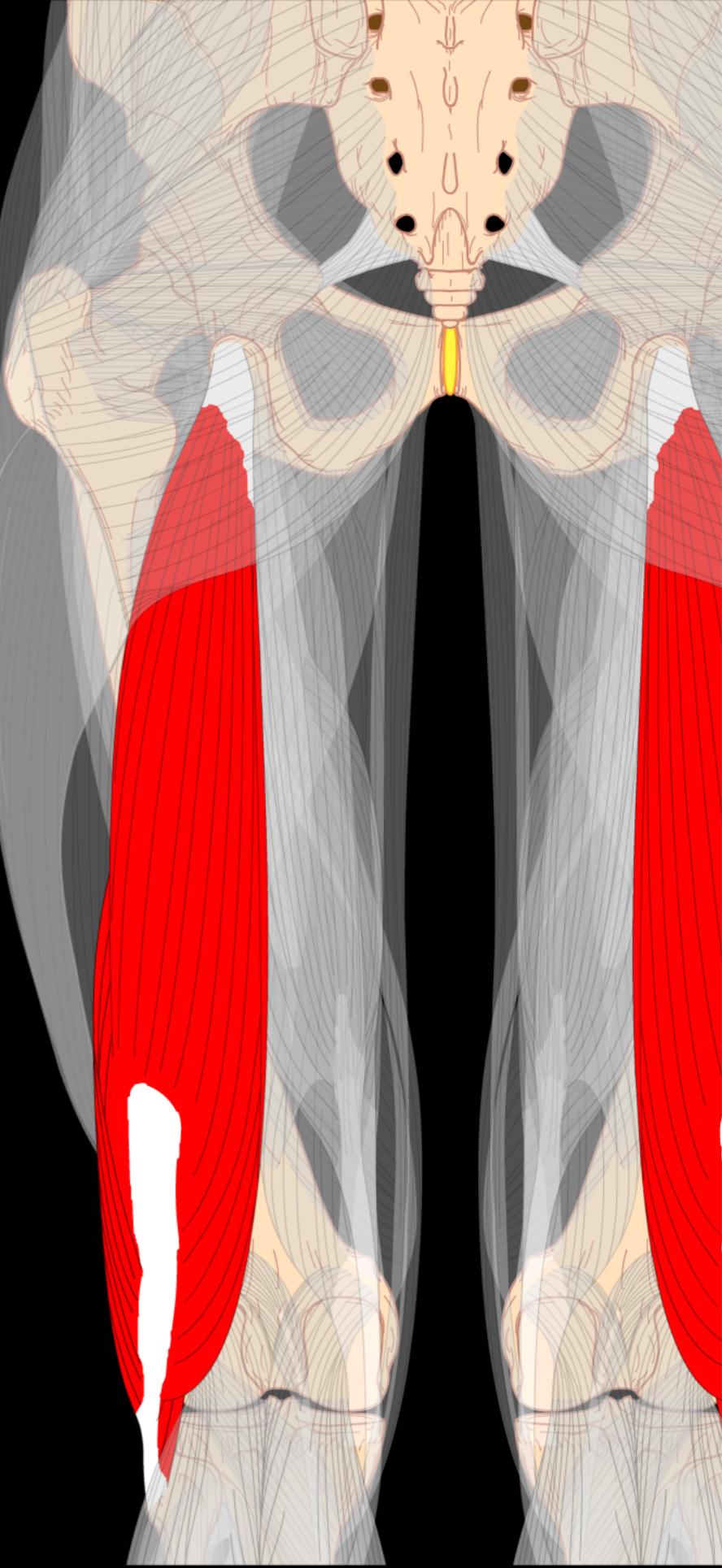


# Inferior Limb

Posterior Thigh Compartment

## Biceps femoris

Topography

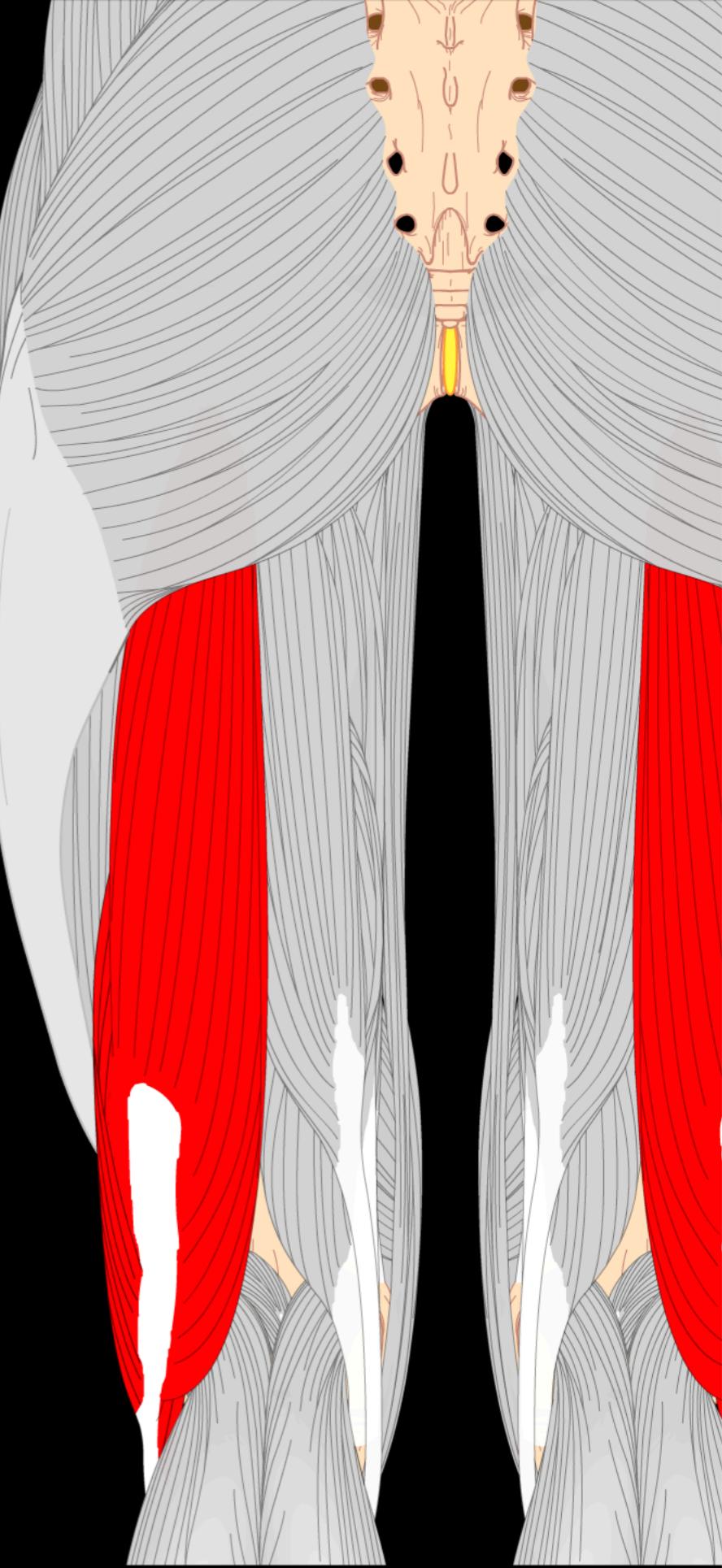


# Inferior Limb

Posterior Thigh Compartment

## Biceps femoris

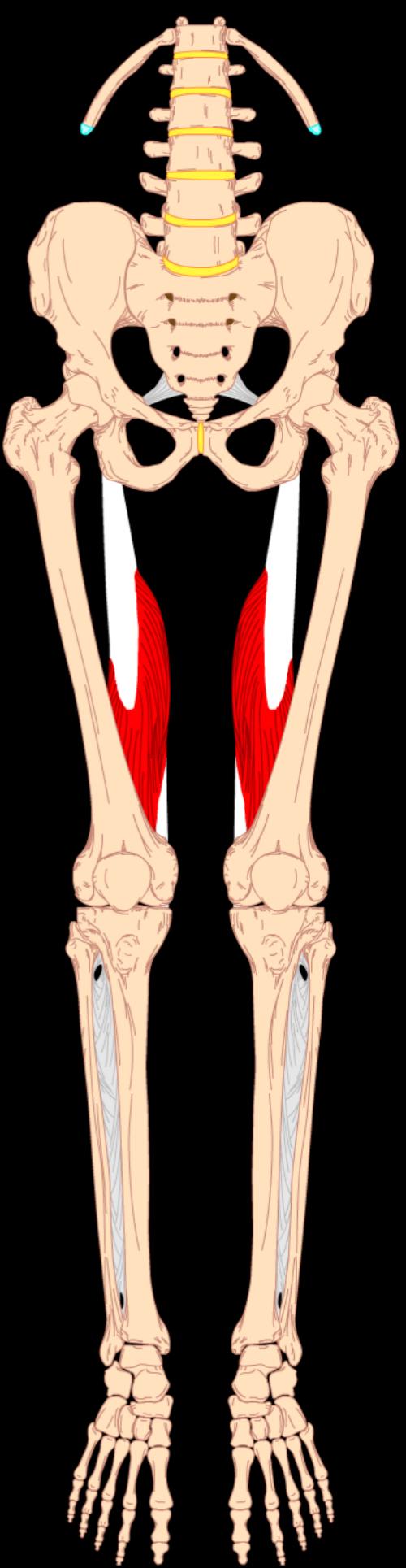
Topography



# Inferior Limb

Posterior Thigh Compartment

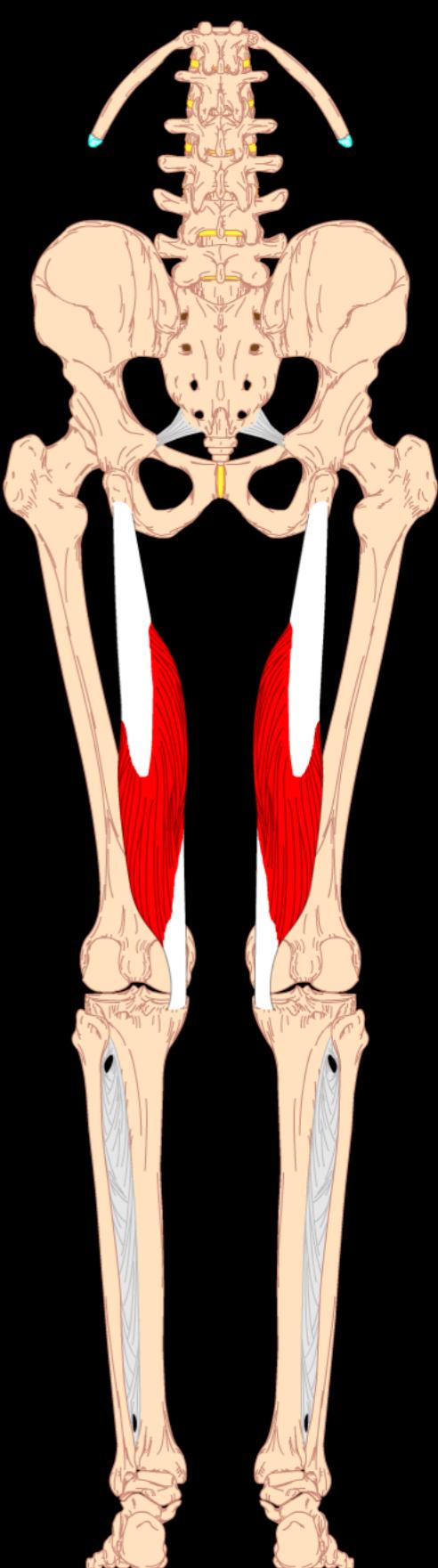
## Semimembranosus



# Inferior Limb

Posterior Thigh Compartment

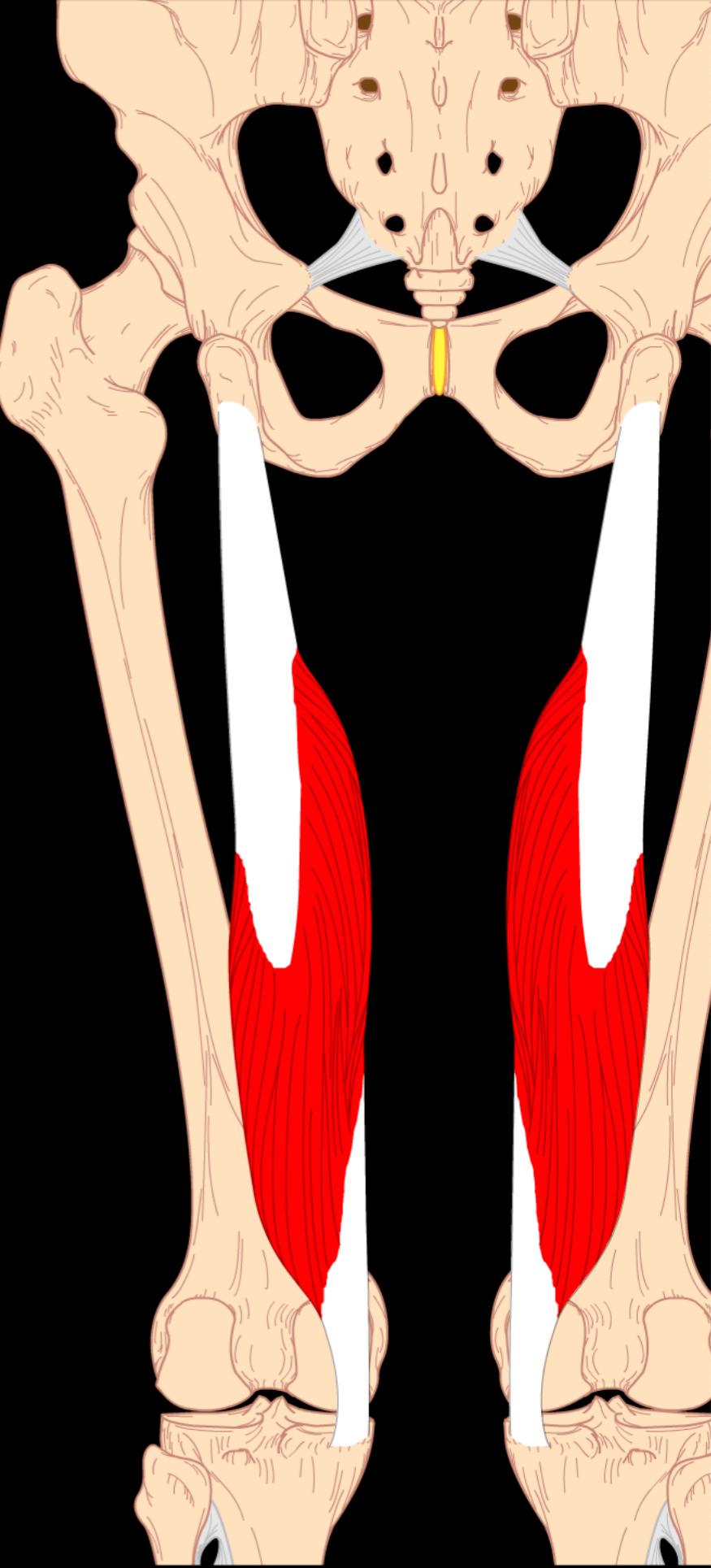
## Semimembranosus



# Inferior Limb

Posterior Thigh Compartment

## Semimembranosus



# Inferior Limb

## Posterior Thigh Compartment

### Semimembranosus

Attachments

Origin

Insertion

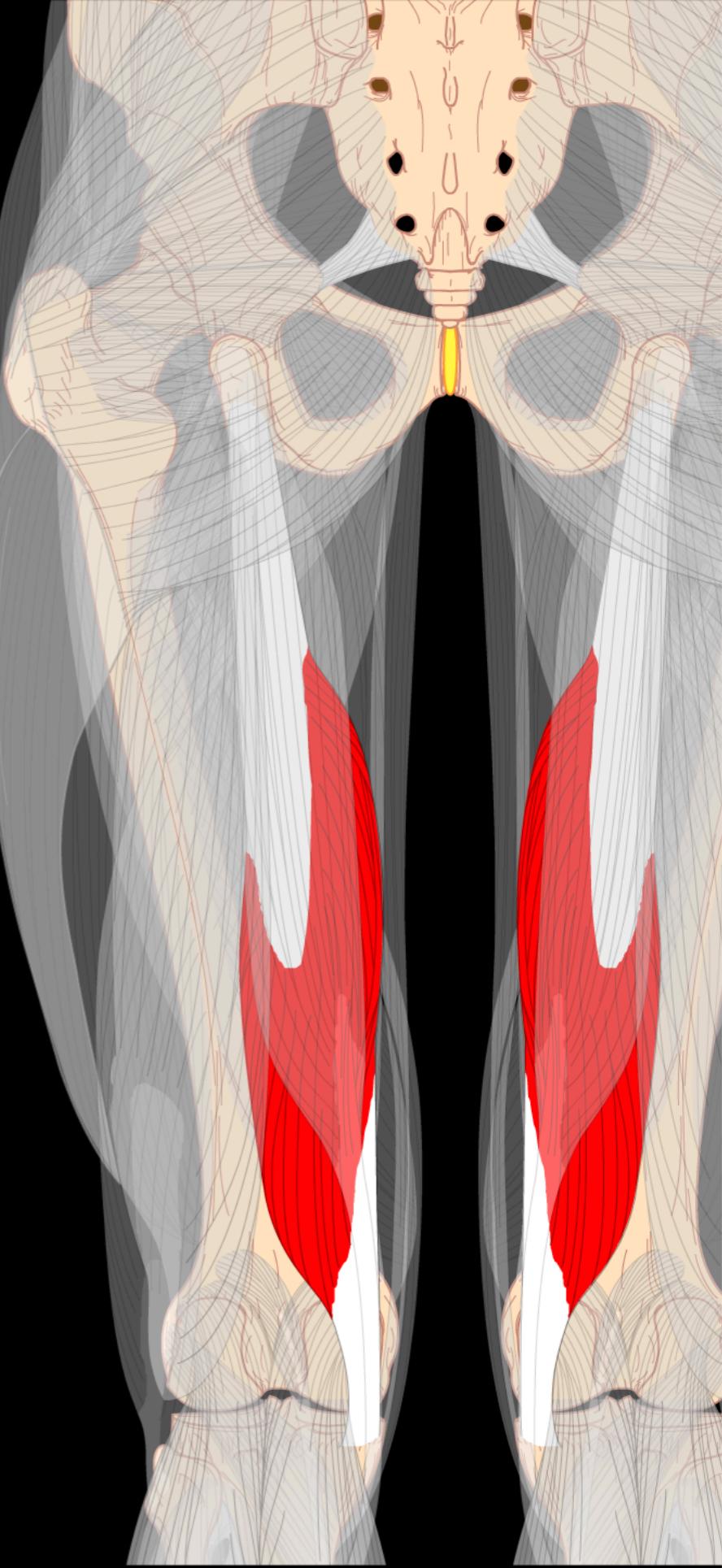


# Inferior Limb

Posterior Thigh Compartment

## Semimembranosus

Topography

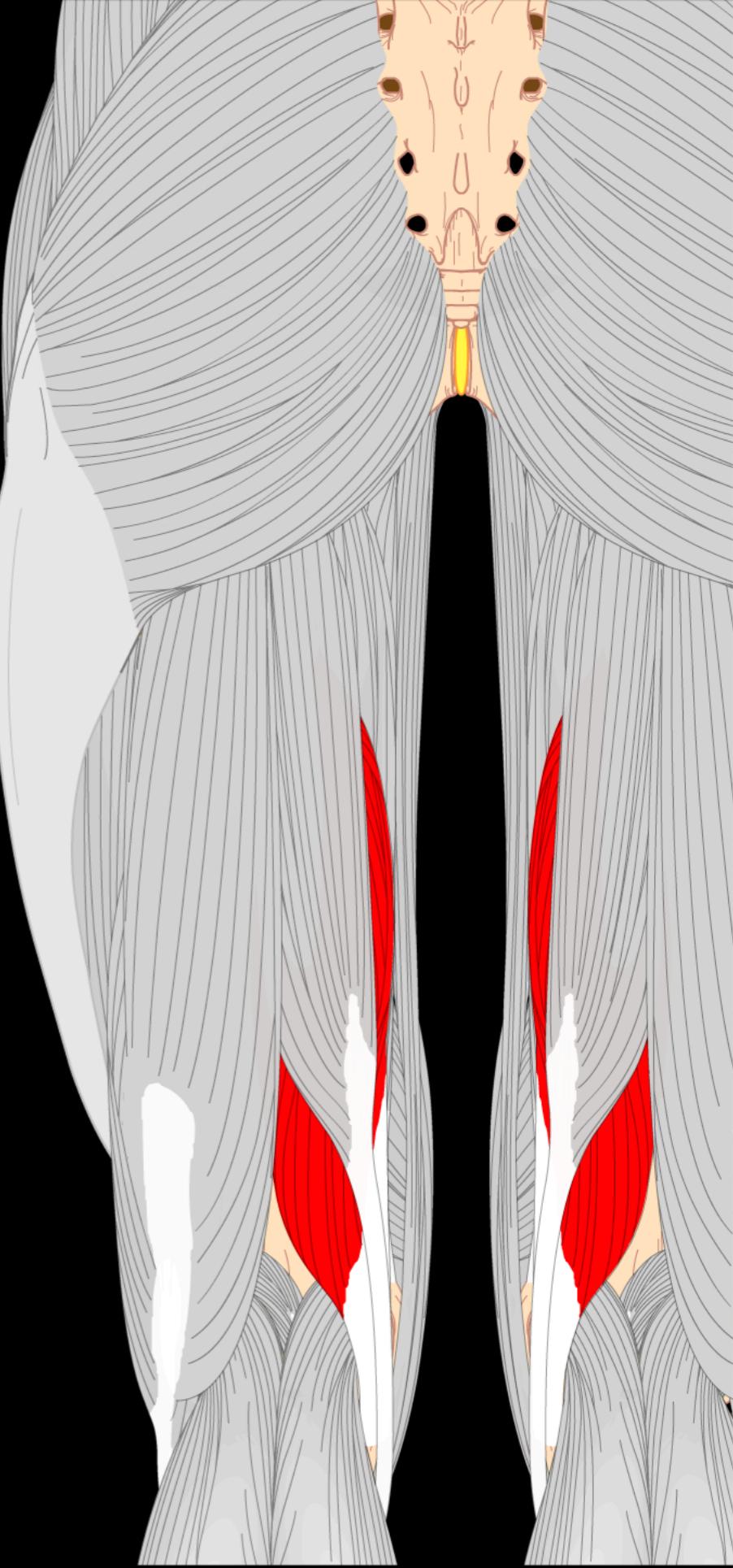


# Inferior Limb

Posterior Thigh Compartment

## Semimembranosus

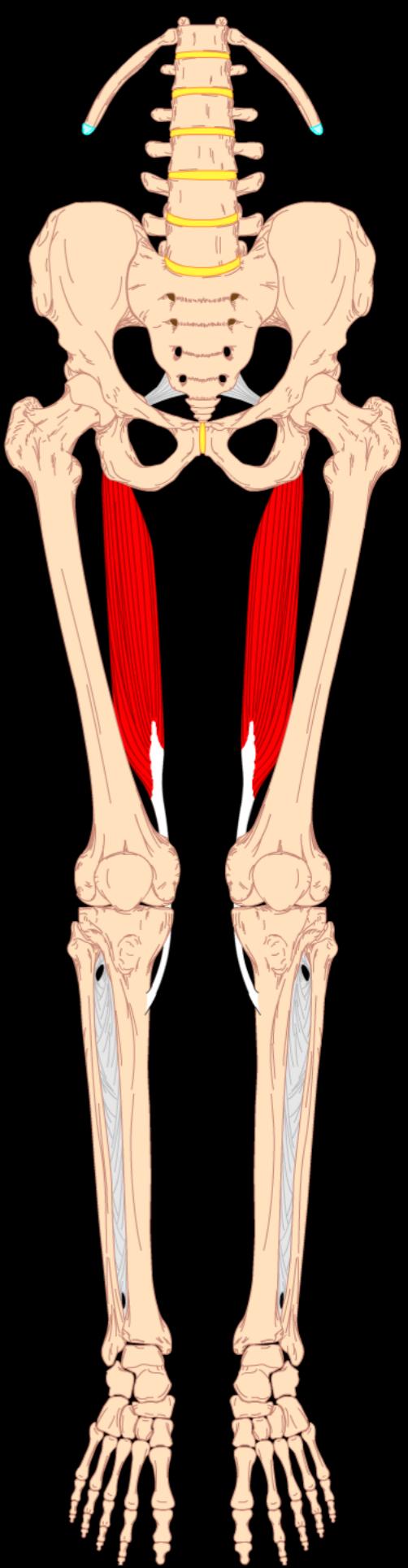
Topography



# Inferior Limb

Posterior Thigh Compartment

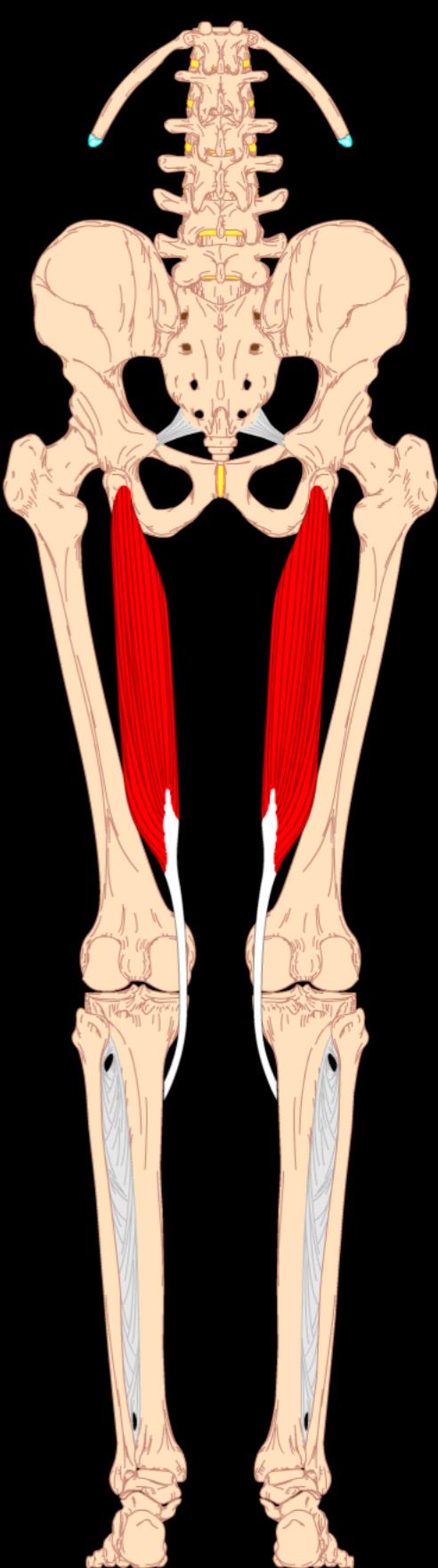
## Semitendinosus



# Inferior Limb

Posterior Thigh Compartment

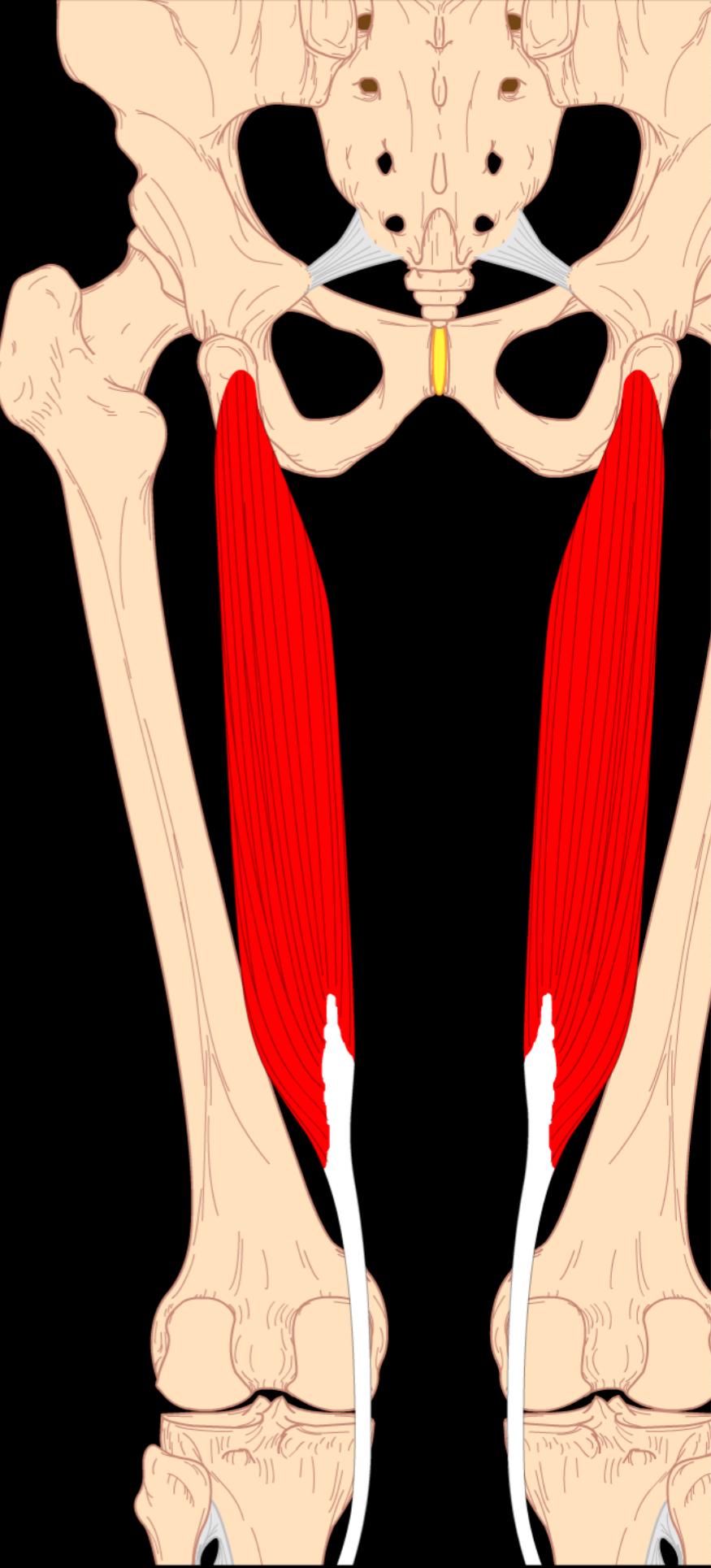
## Semitendinosus



# Inferior Limb

Posterior Thigh Compartment

## Semitendinosus



# Inferior Limb

## Posterior Thigh Compartment

### Semitendinosus

Attachments

Origin

Insertion



# Inferior Limb

## Posterior Thigh Compartment

### Semitendinosus

Attachments

Origin

Insertion

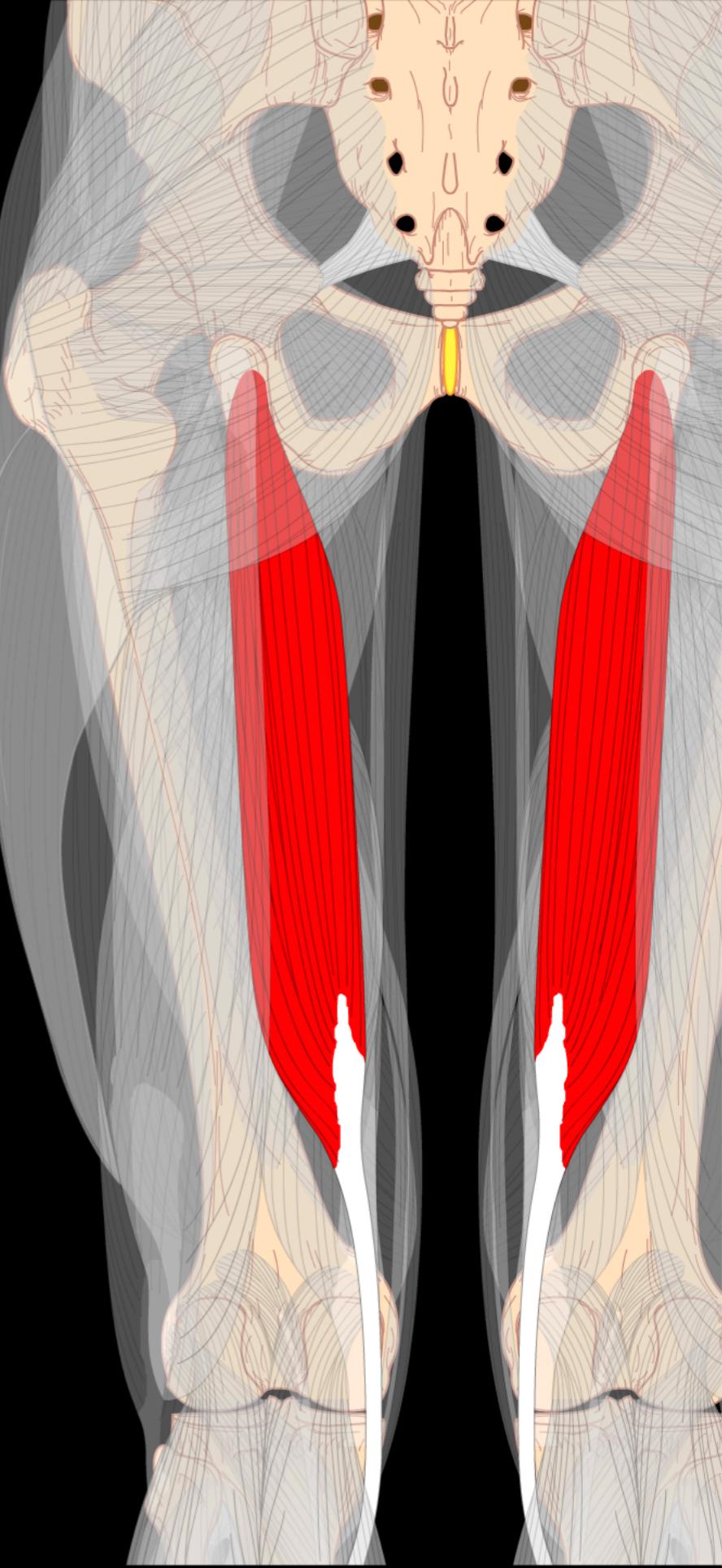


# Inferior Limb

Posterior Thigh Compartment

## Semitendinosus

Topography

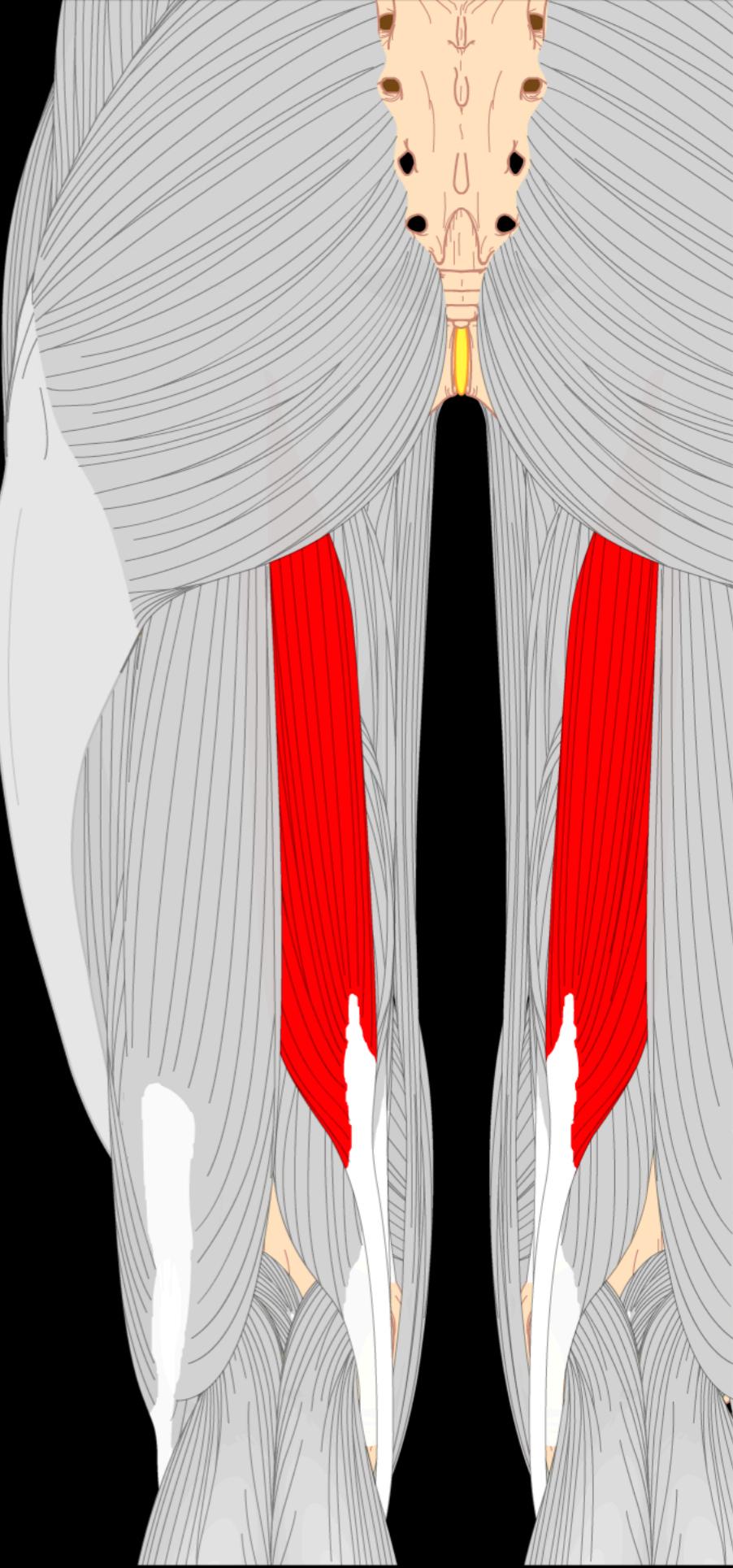


# Inferior Limb

Posterior Thigh Compartment

## Semitendinosus

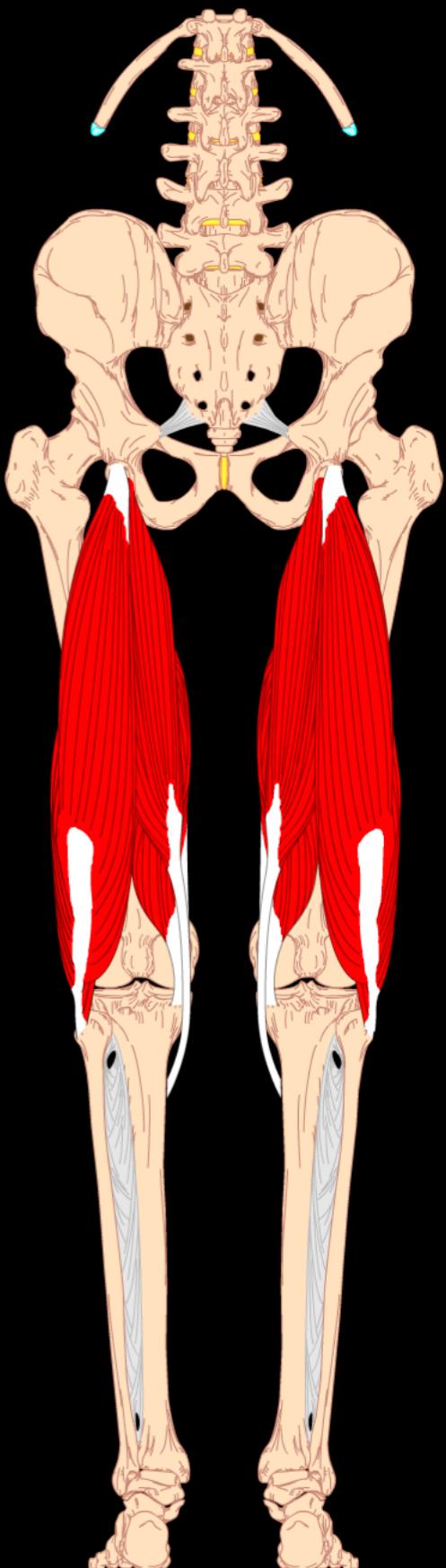
Topography



# Inferior Limb

Posterior Thigh Compartment

## Summary



# Inferior Limb

Posterior Thigh Compartment

## Summary

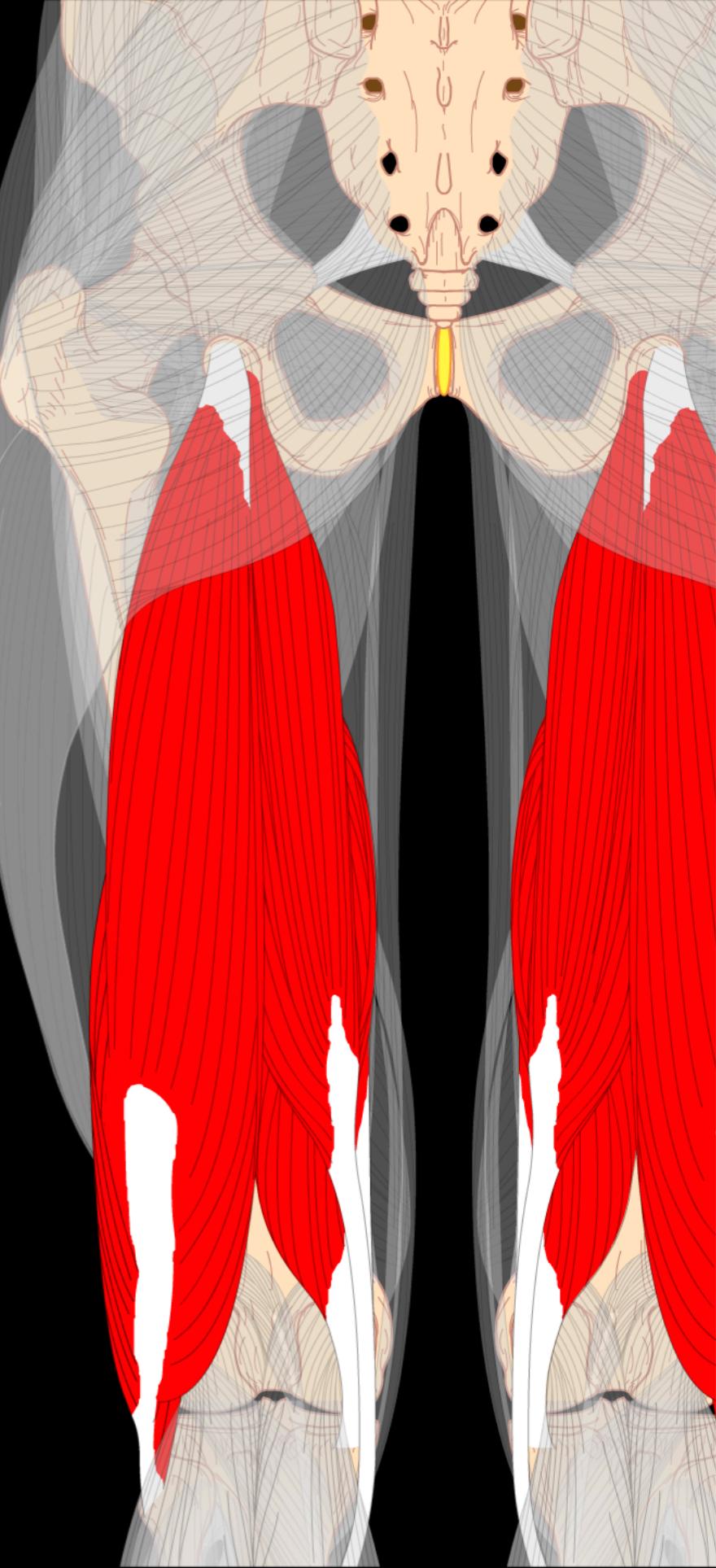


# Inferior Limb

Posterior Thigh Compartment

## Summary

Topography

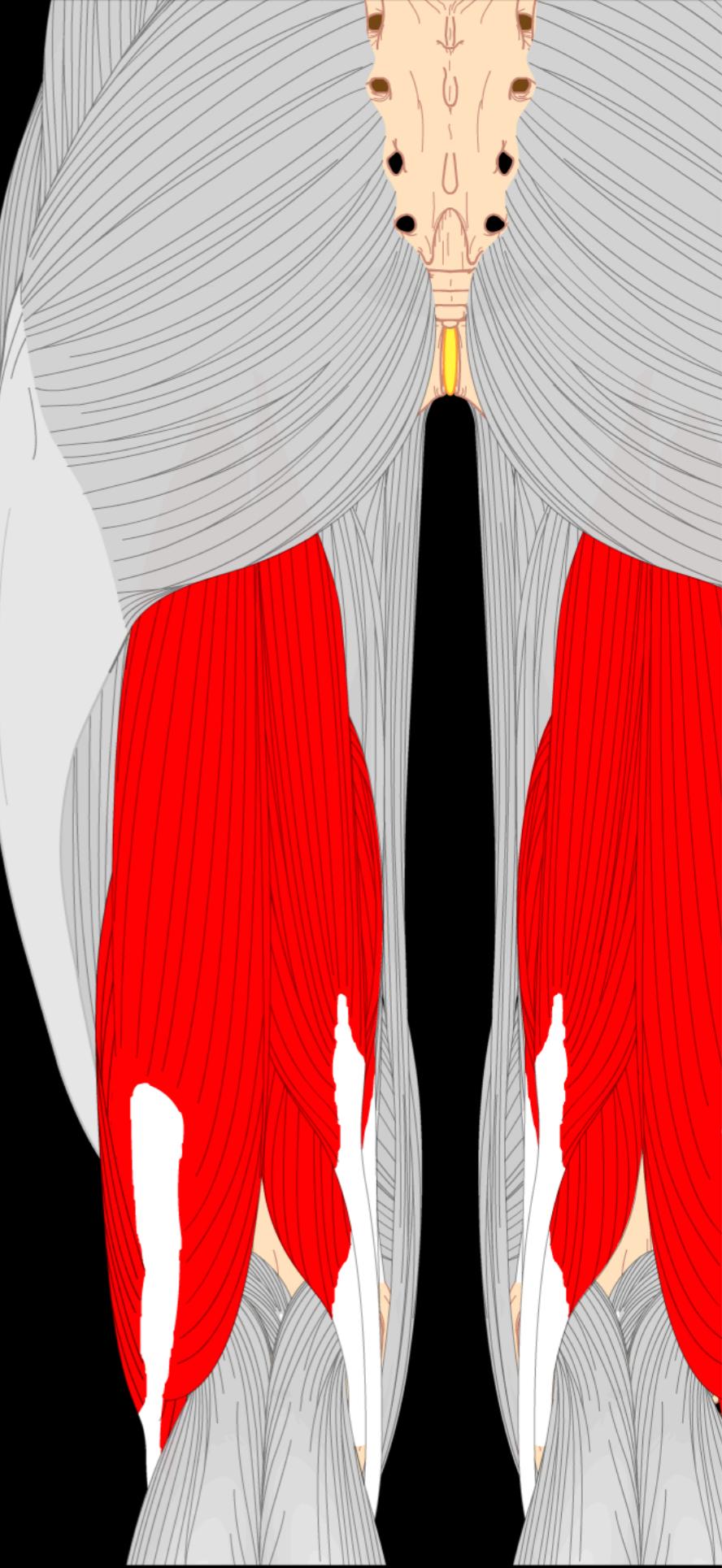


# Inferior Limb

Posterior Thigh Compartment

## Summary

Topography

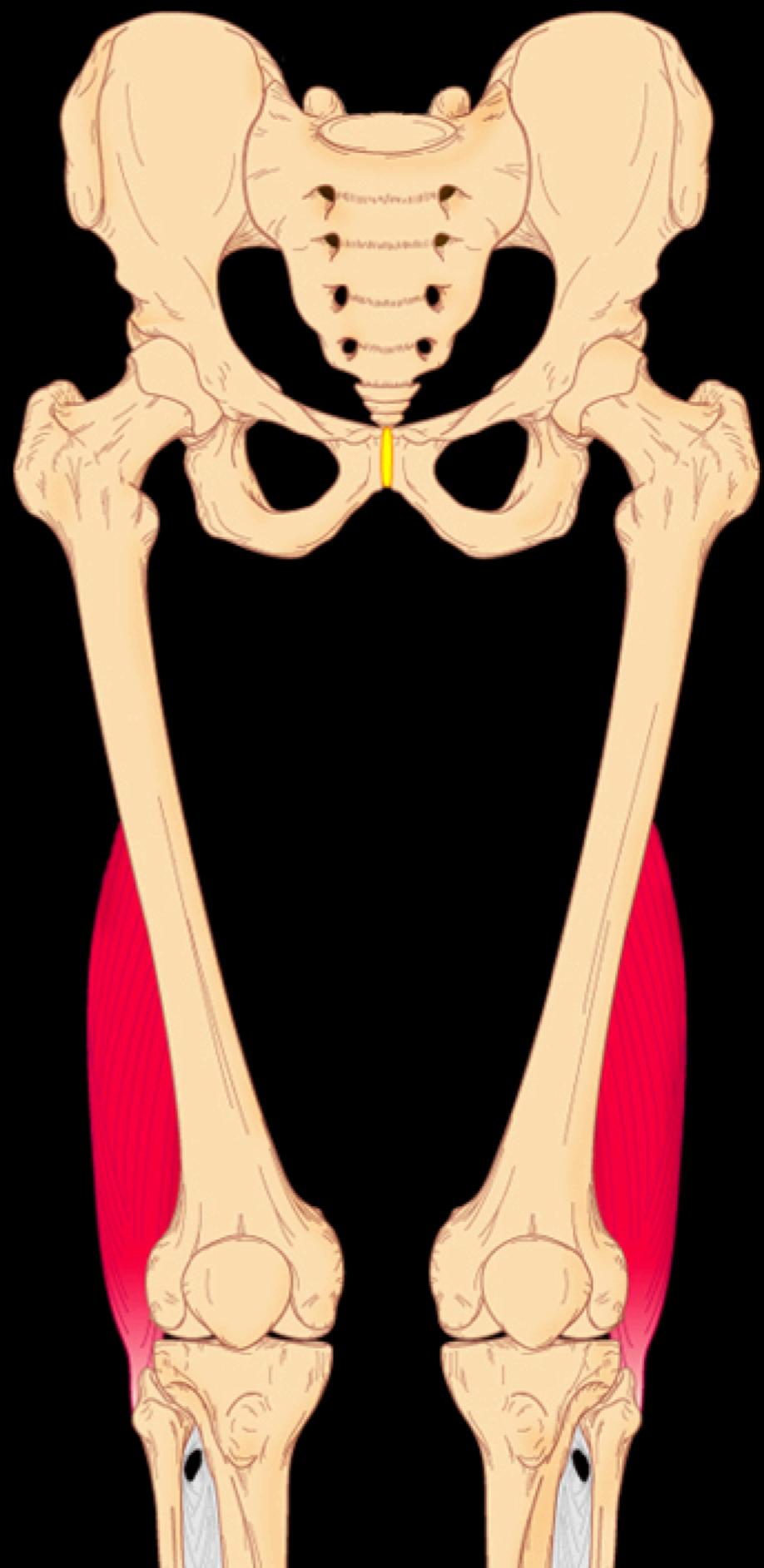


# Inferior Limb

## Muscle Innervation

Common fibular nerve

Short head of biceps femoris



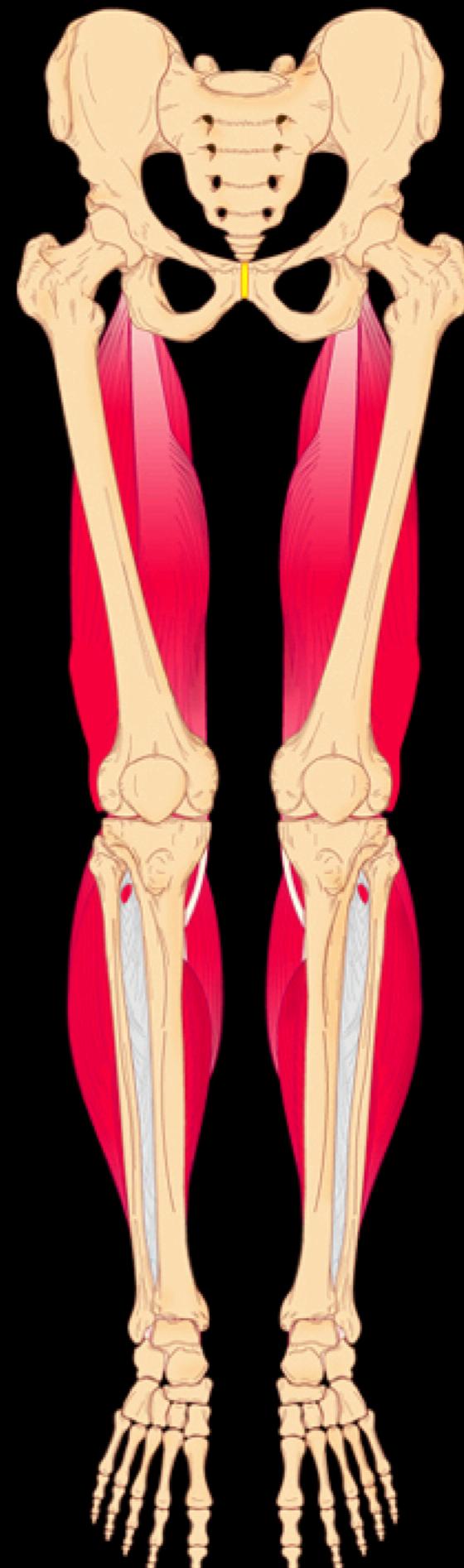
# Inferior Limb

## Muscle Innervation

Tibial nerve

Posterior thigh compartment muscles

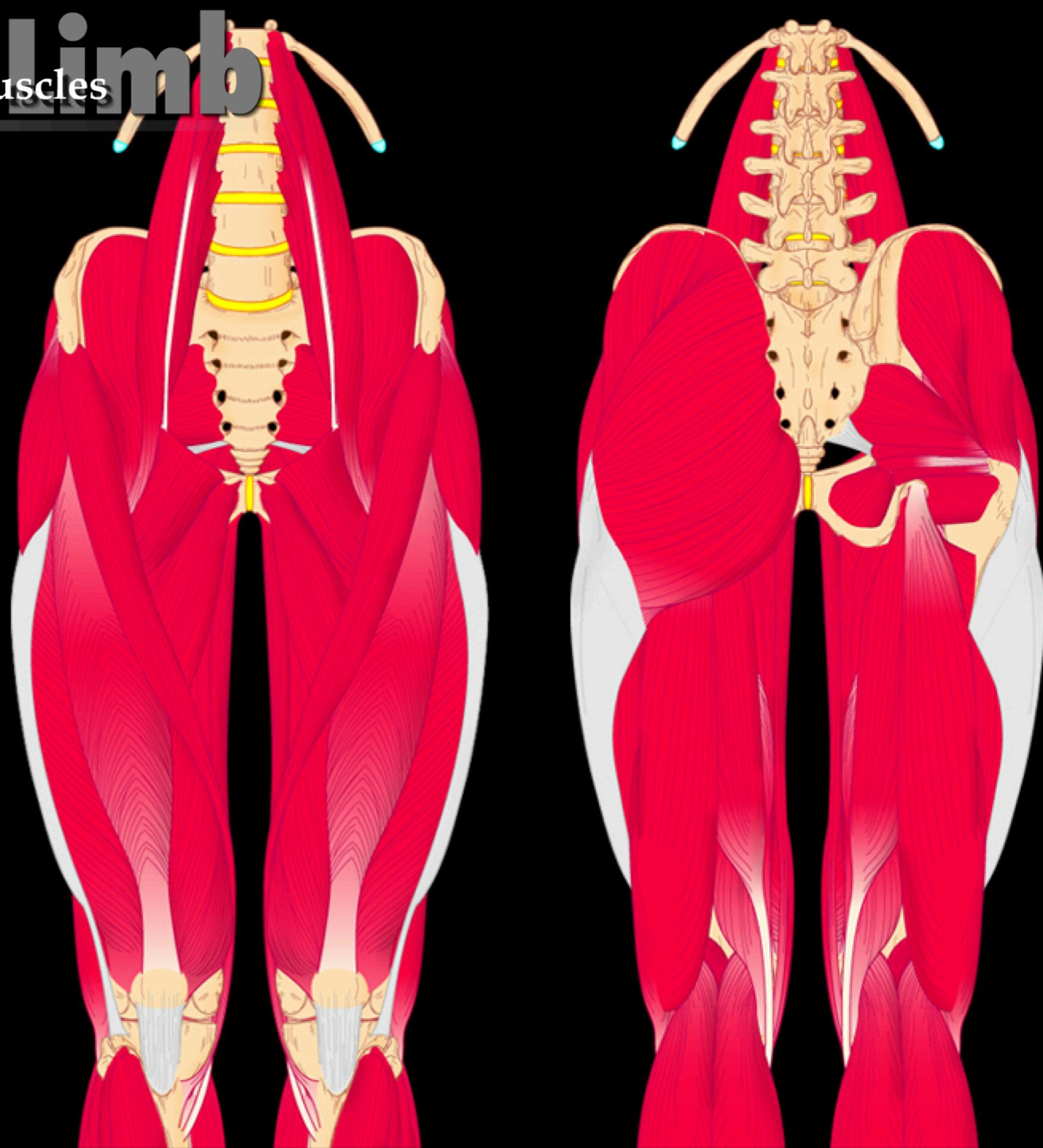
Posterior crural compartment muscles



# Inferior Limb

Summary of the Thigh Muscles

## Muscle Views



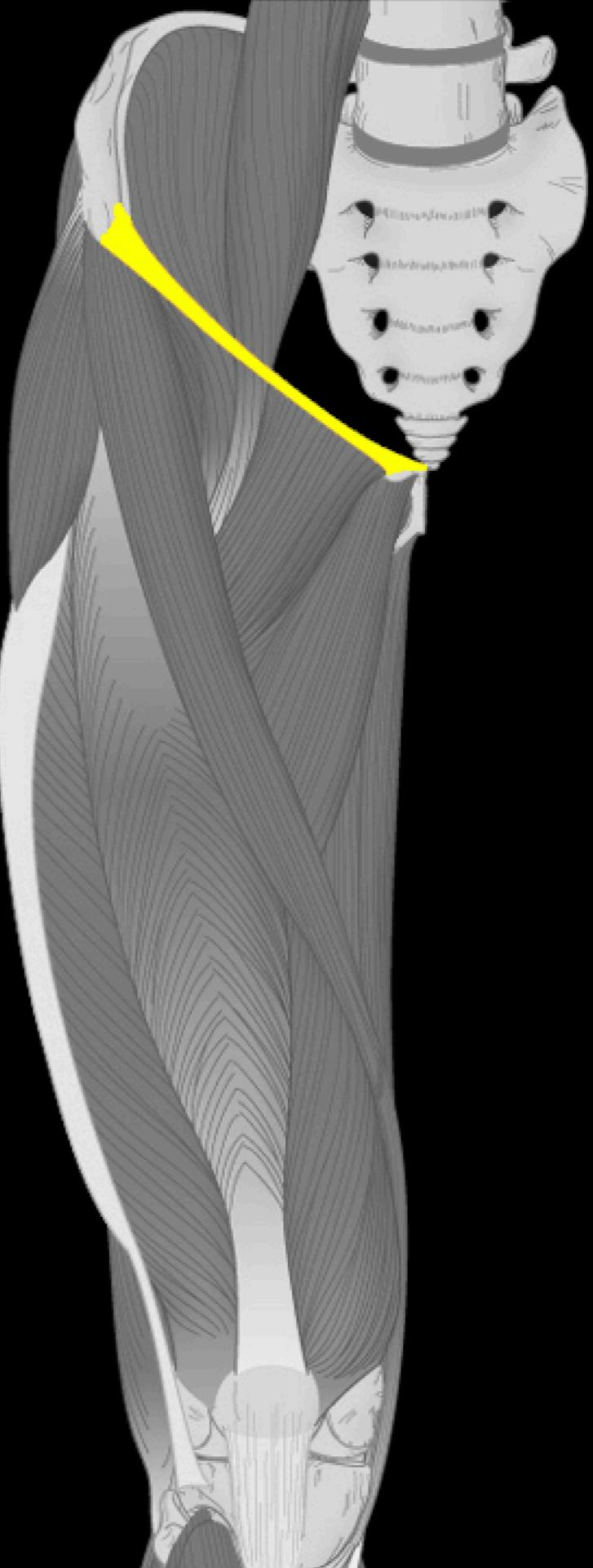
# Inferior Limb

## Thigh Topography and Blood Supply

### Femoral Triangle

Boundaries

Inguinal ligament



# Inferior Limb

## Thigh Topography and Blood Supply

### Femoral Triangle

Boundaries

Sartorius



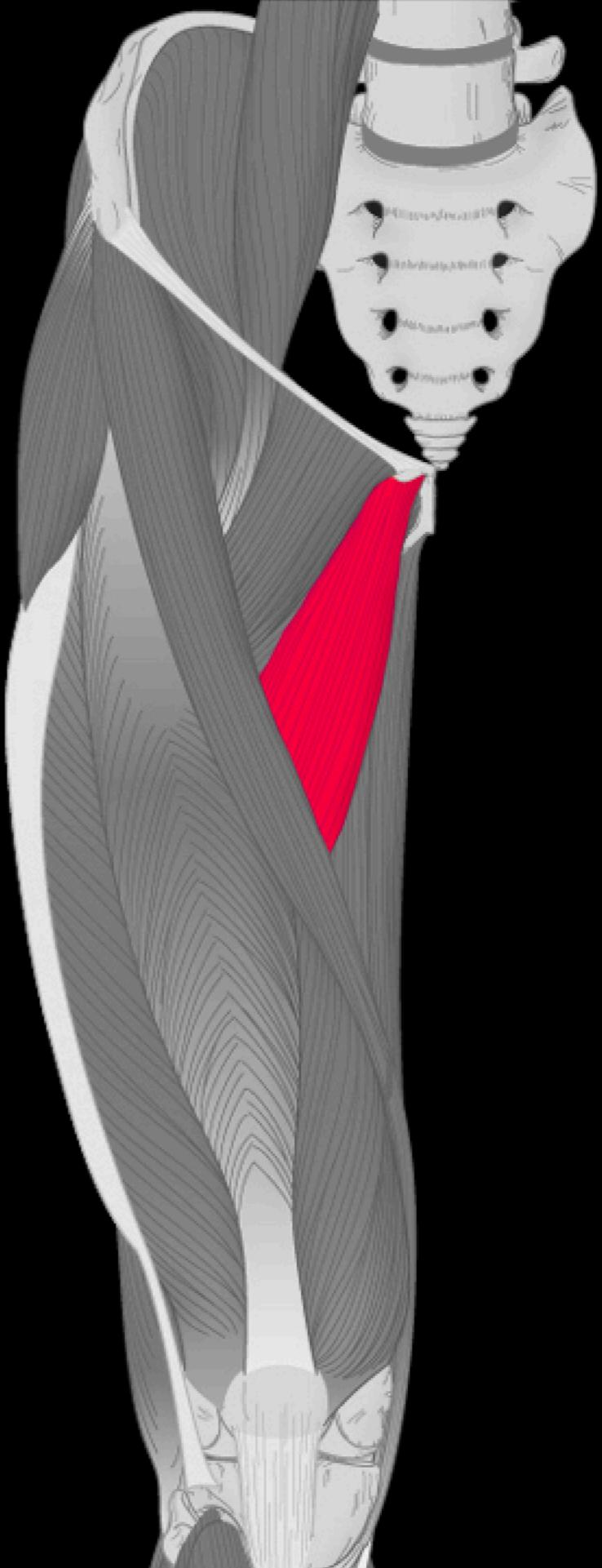
# Inferior Limb

## Thigh Topography and Blood Supply

### Femoral Triangle

Boundaries

Adductor longus

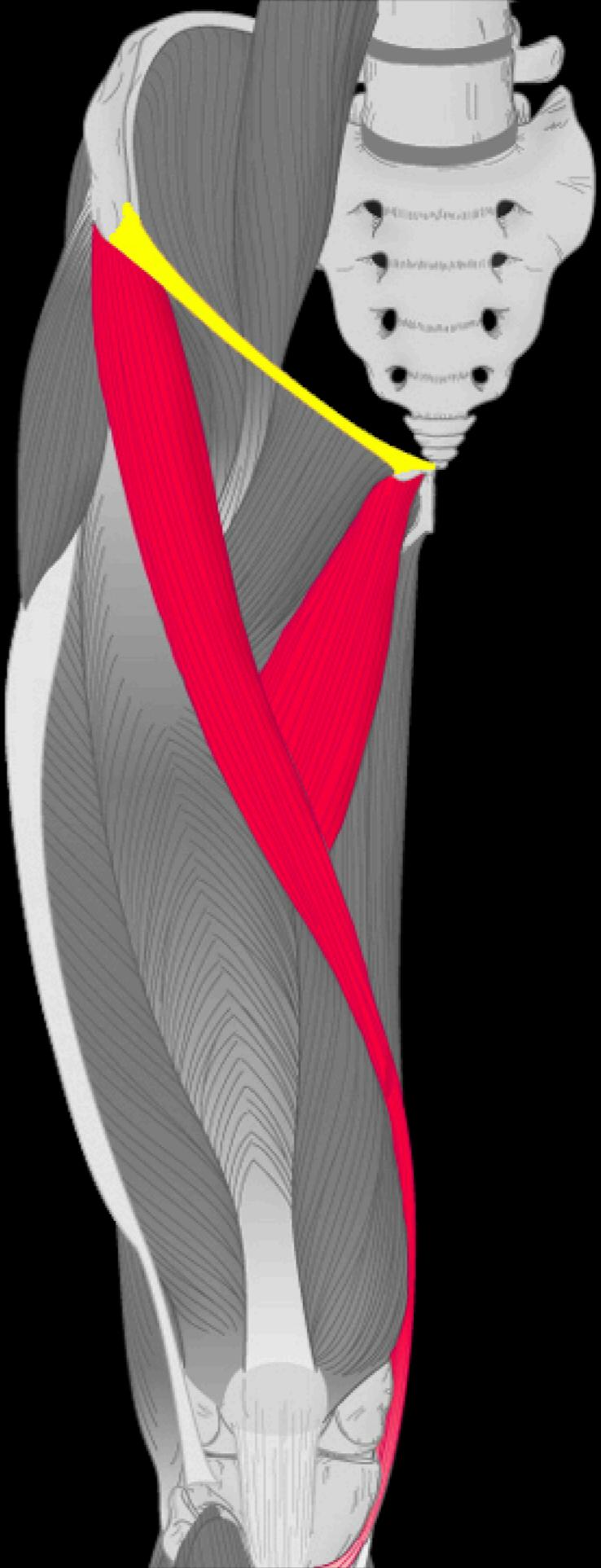


# Inferior Limb

Thigh Topography and Blood Supply

## Femoral Triangle

Boundaries



# Inferior Limb

Thigh Topography and Blood Supply

## Femoral Triangle

Floor

Pectineus



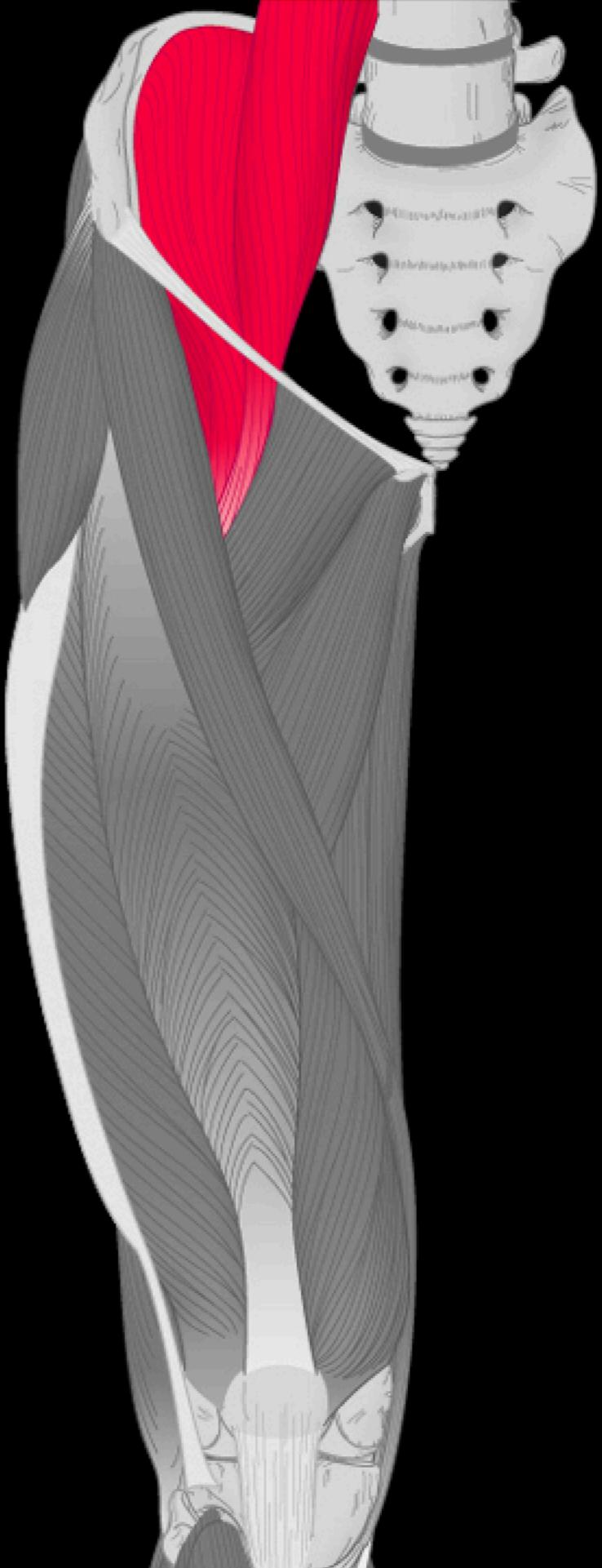
# Inferior Limb

## Thigh Topography and Blood Supply

### Femoral Triangle

Floor

Iliopsoas

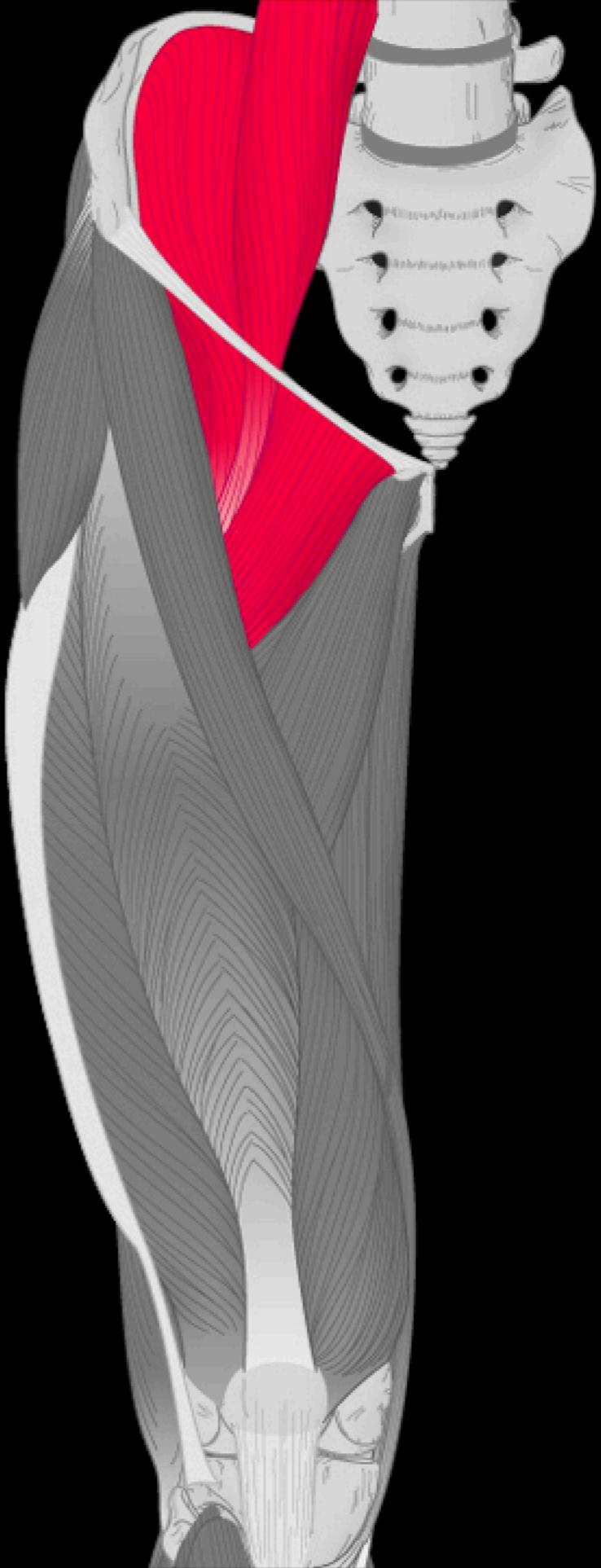


# Inferior Limb

Thigh Topography and Blood Supply

## Femoral Triangle

Floor

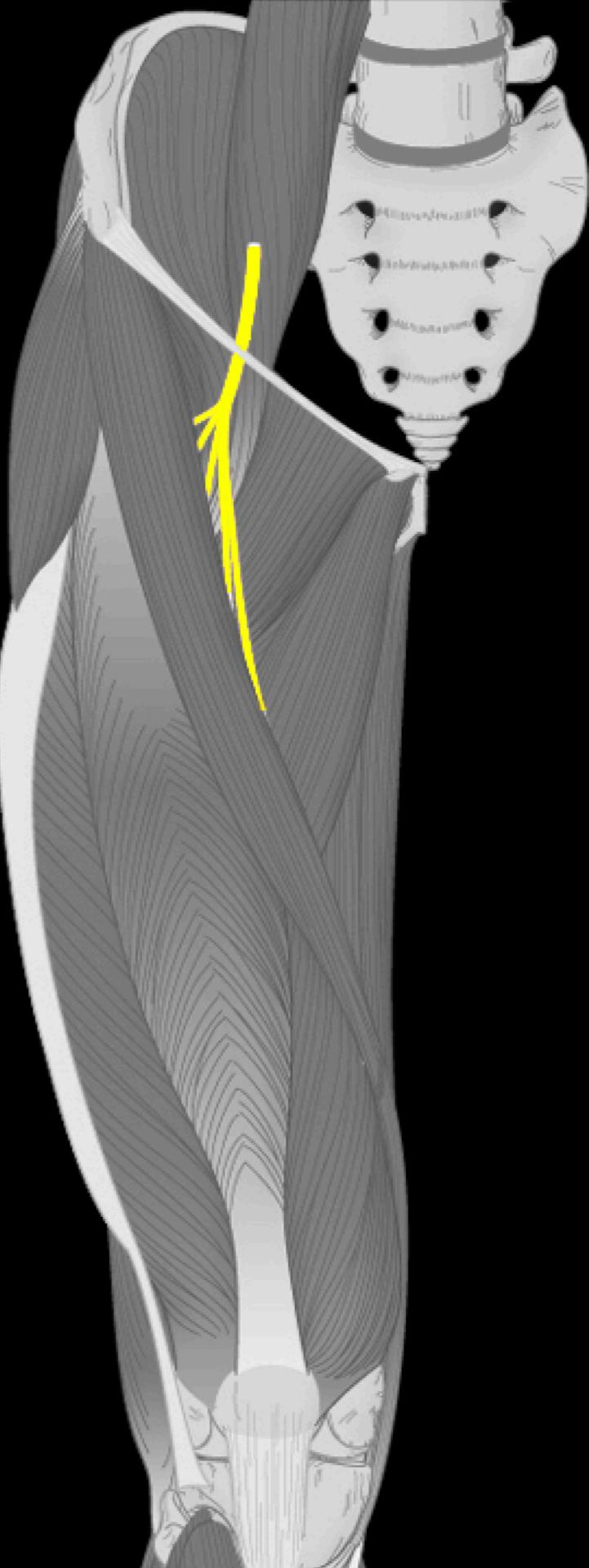


# Inferior Limb

## Thigh Topography and Blood Supply

### Femoral Vessels and Nerves

Femoral nerve



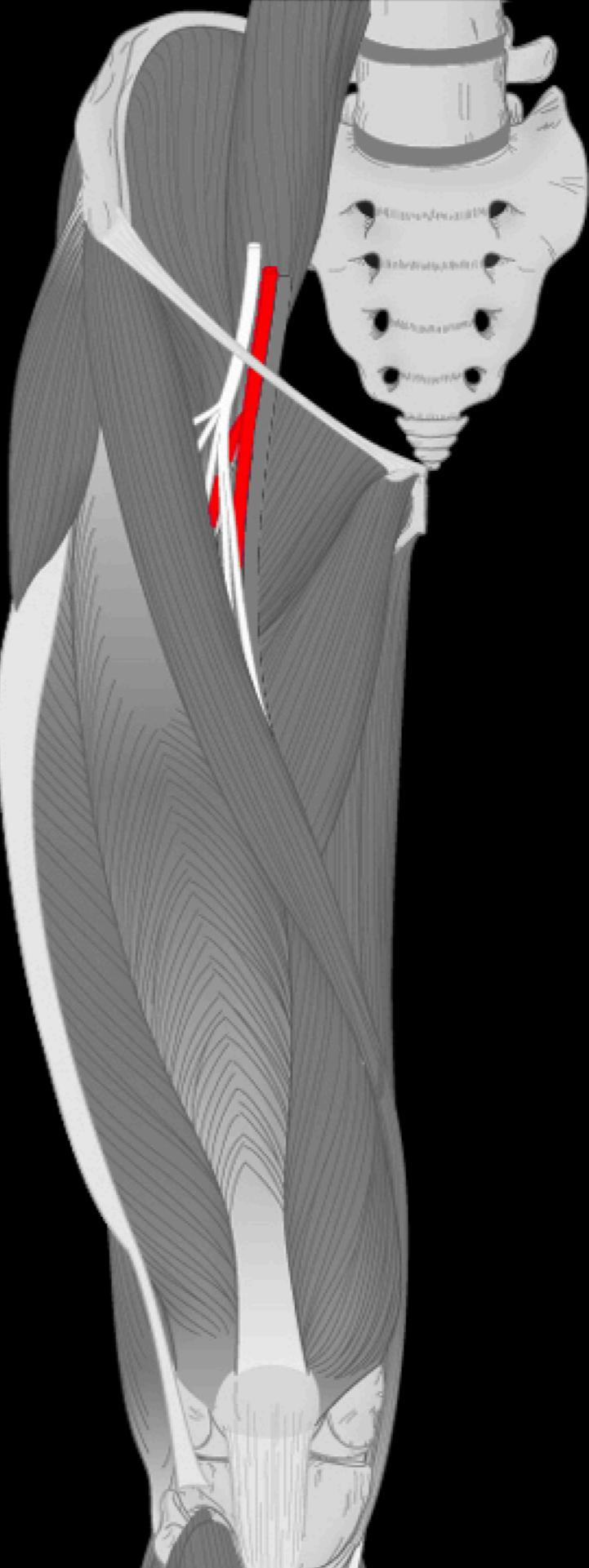
# Inferior Limb

## Thigh Topography and Blood Supply

### Femoral Vessels and Nerves

Femoral artery

Deep femoral artery



# Inferior Limb

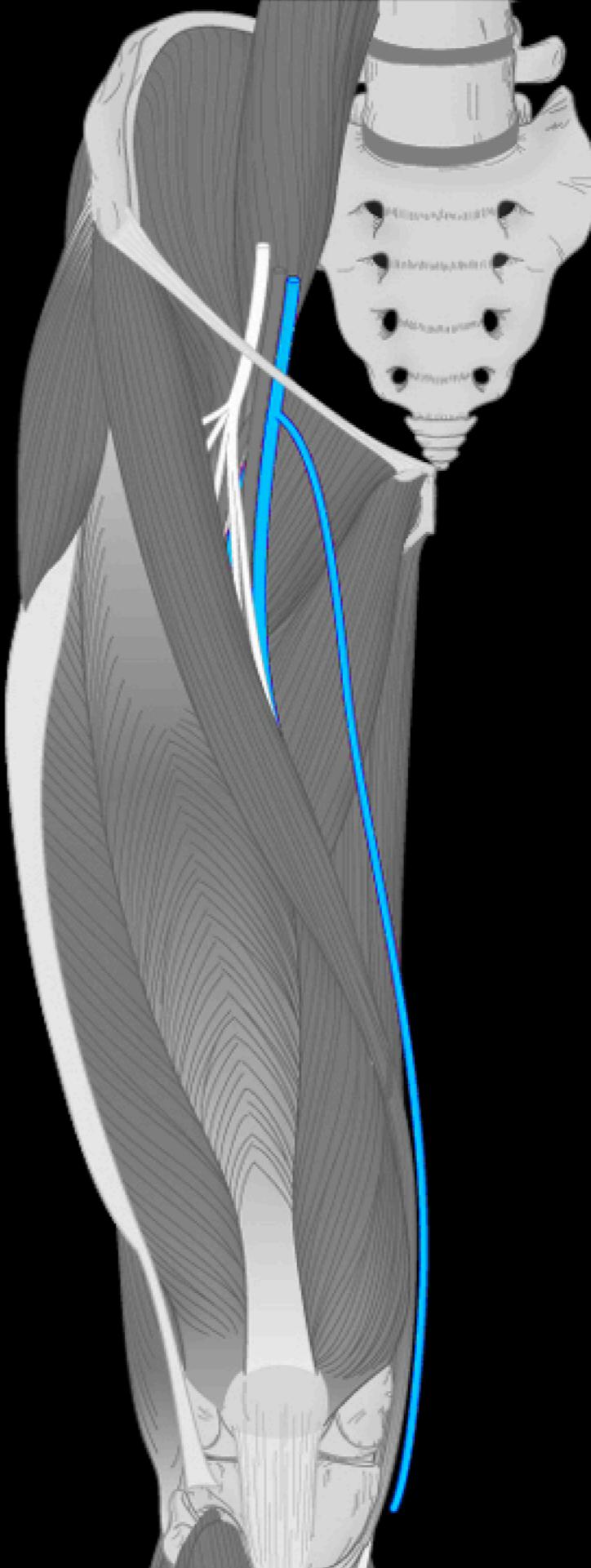
## Thigh Topography and Blood Supply

### Femoral Vessels and Nerves

Femoral vein

Deep femoral vein

Great saphenous vein

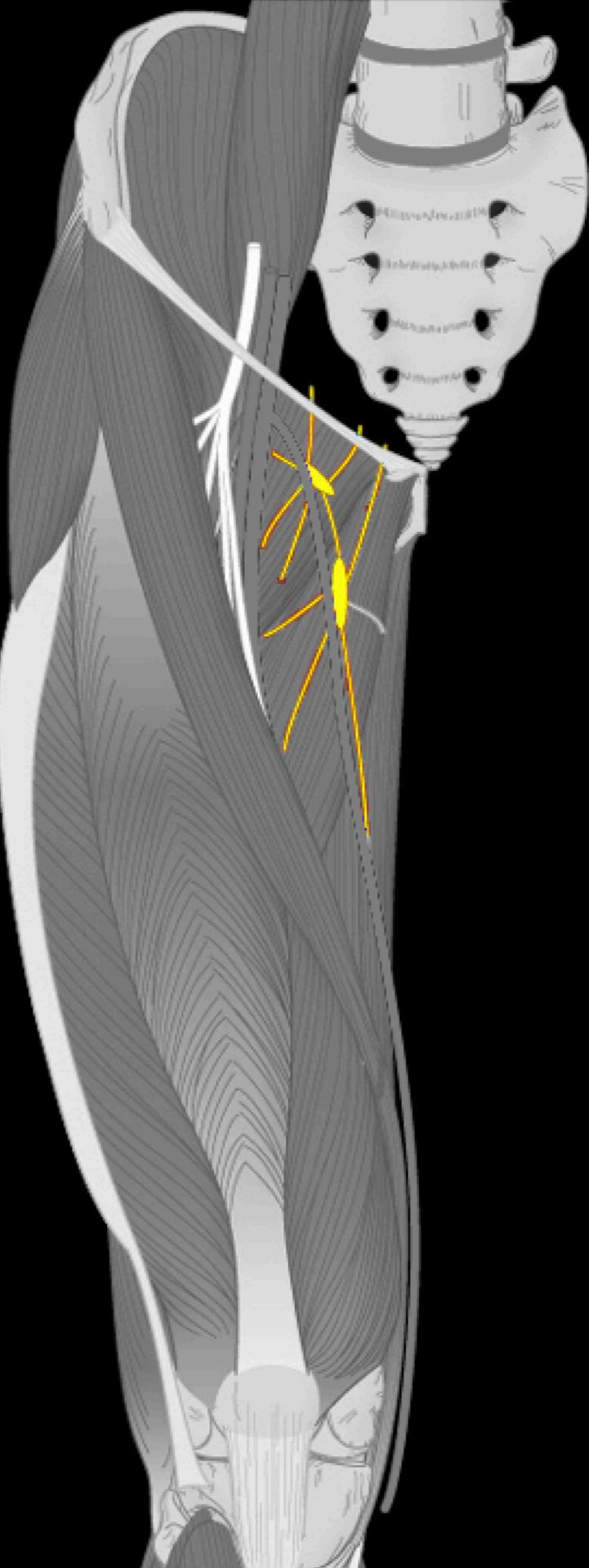


# Inferior Limb

## Thigh Topography and Blood Supply

### Femoral Vessels and Nerves

Inguinal lymph nodes and vessels



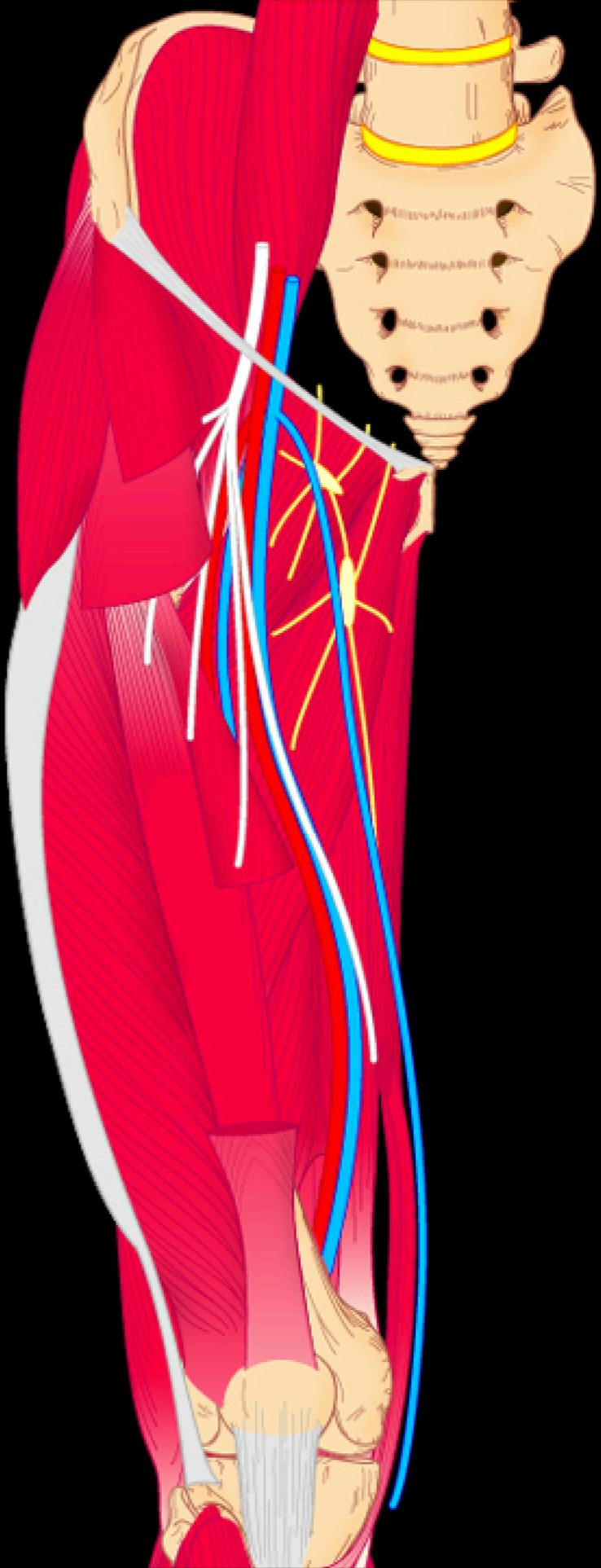
# Inferior Limb

## Thigh Topography and Blood Supply

### Adductor Canal

Boundaries

Key muscle - Sartorius



# Inferior Limb

## Thigh Topography and Blood Supply

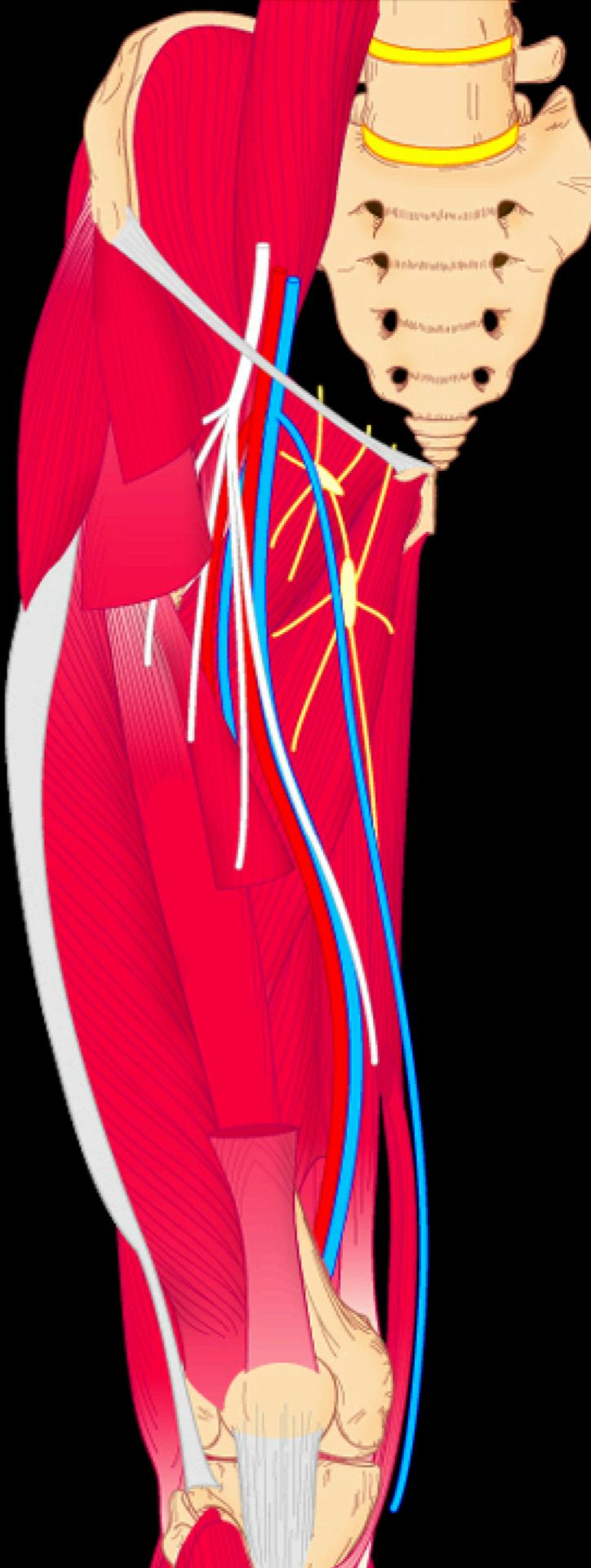
### Adductor Canal

#### Contents

Femoral artery

Femoral vein

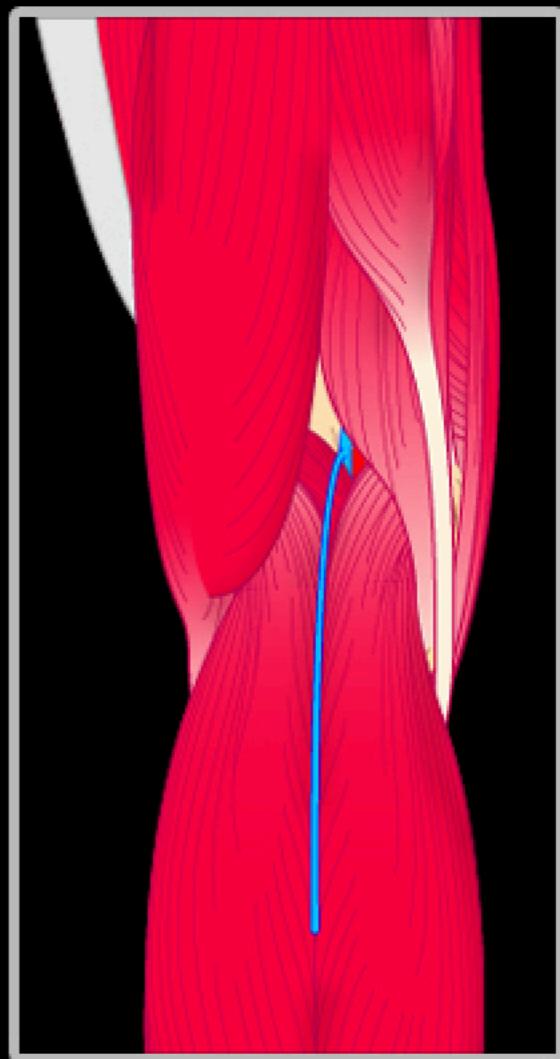
Saphenous nerve



# Inferior Limb

Thigh Topography and Blood Supply

## Adductor Hiatus

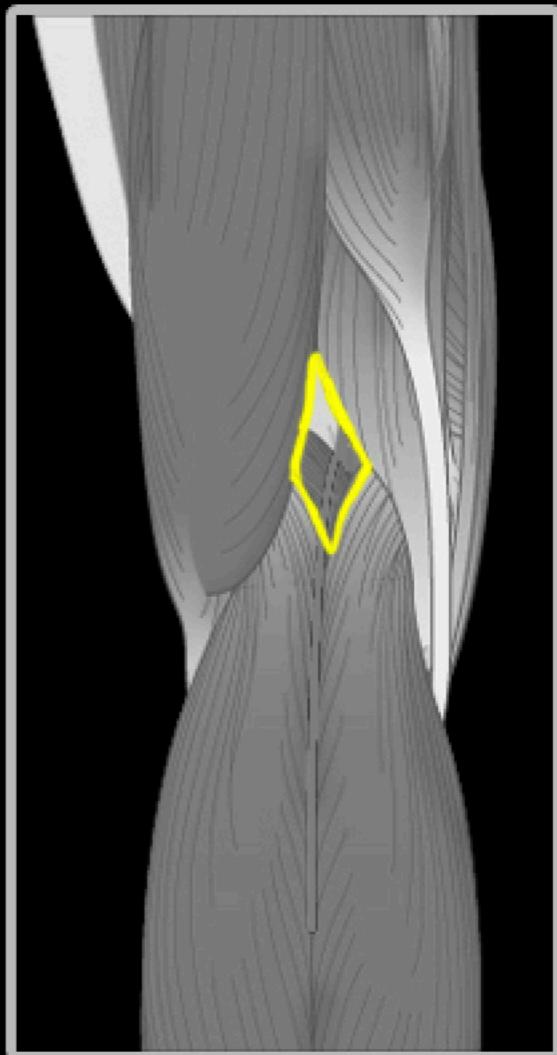


# Inferior Limb

## Thigh Topography and Blood Supply

### Popliteal Fossa

Boundaries



# Inferior Limb

## Thigh Topography and Blood Supply

### Popliteal Fossa

Contents

Popliteal artery



# Inferior Limb

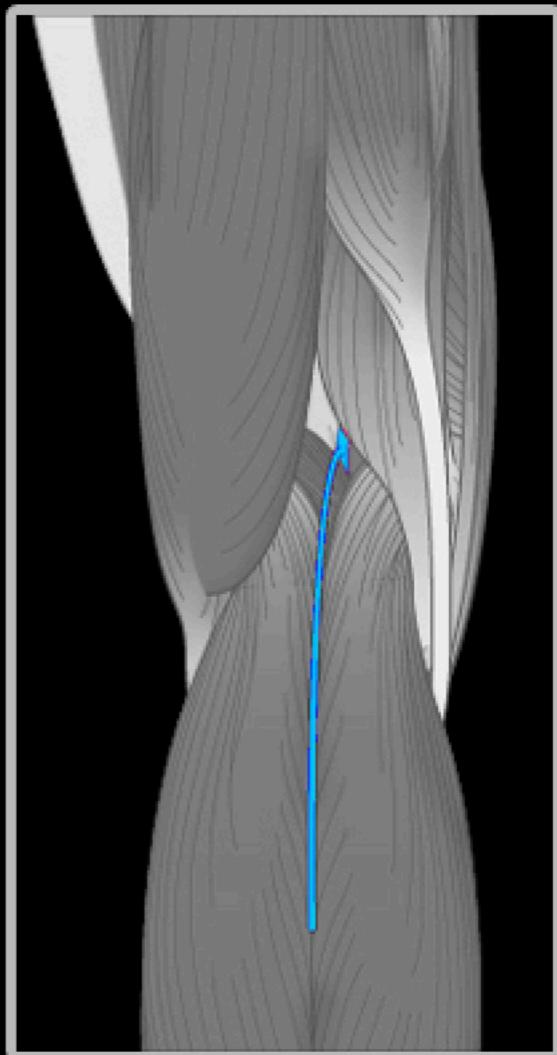
## Thigh Topography and Blood Supply

### Popliteal Fossa

Contents

Popliteal vein

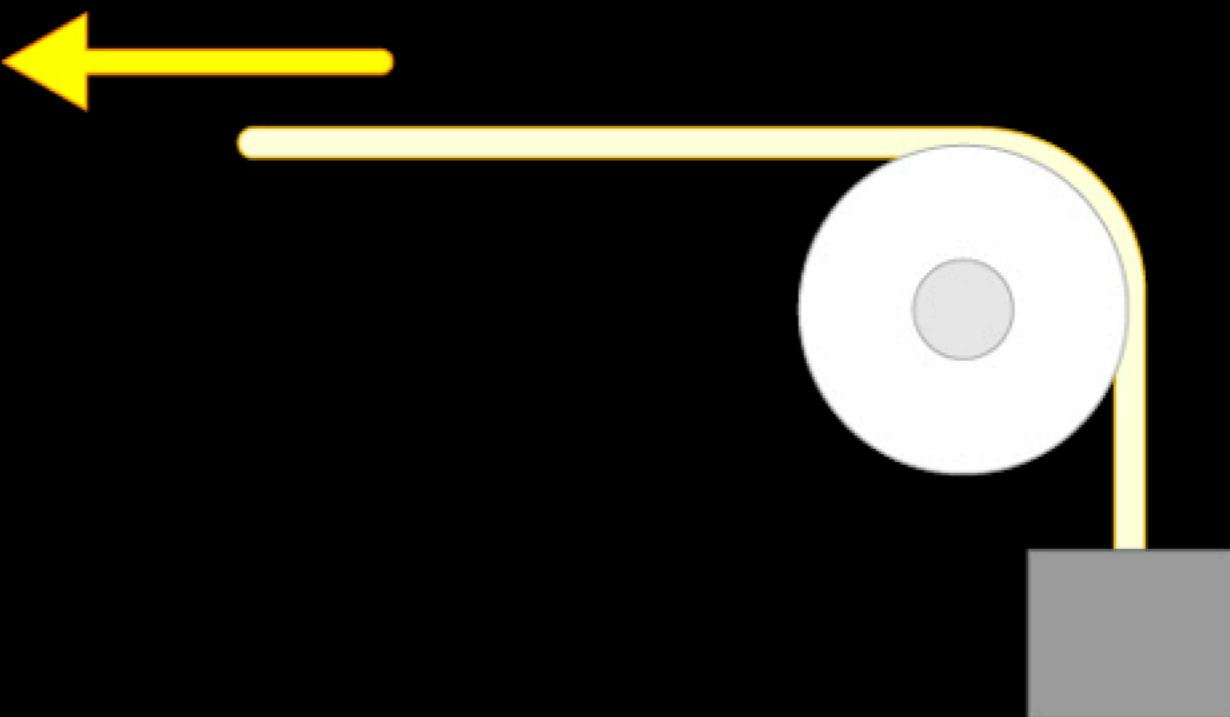
Small saphenous vein



# Inferior Limb

Anatomical Pulley Concept

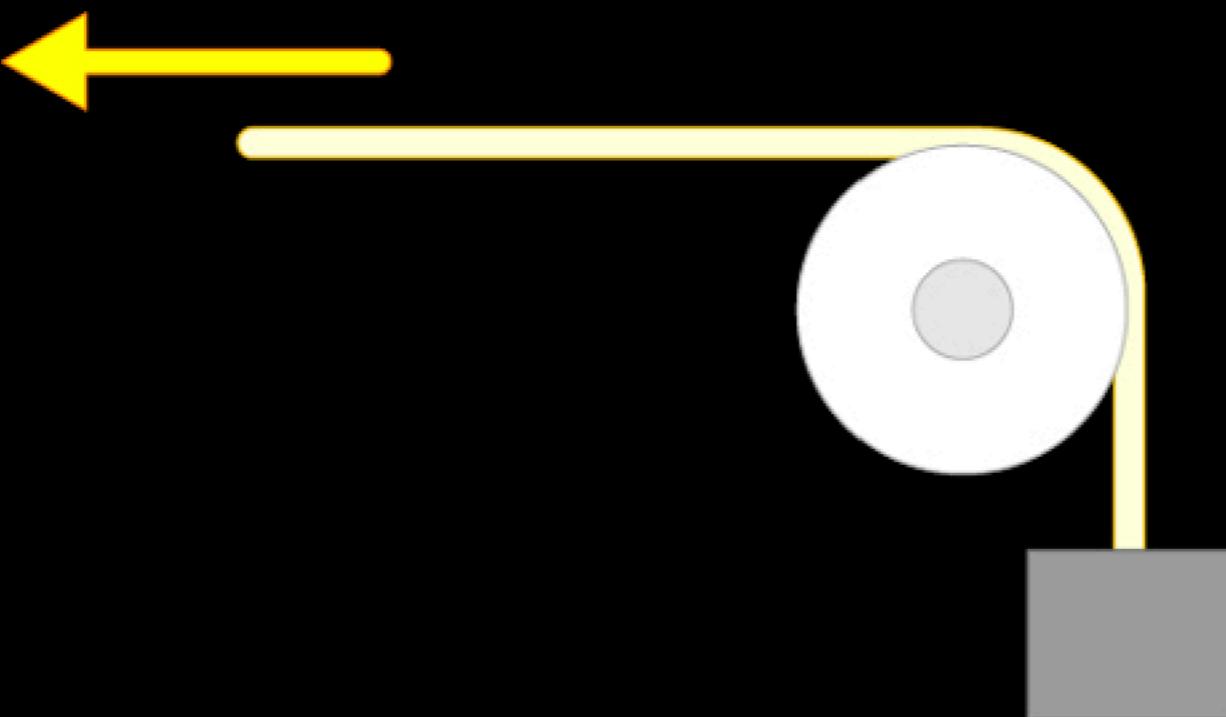
## Anatomical Pulley Design



# Inferior Limb

Anatomical Pulley Concept

## Functional Significance of Pulley



# Inferior Limb

Anatomical Pulley Concept

## Anatomical Tripod/Pes Anserina



# Inferior Limb

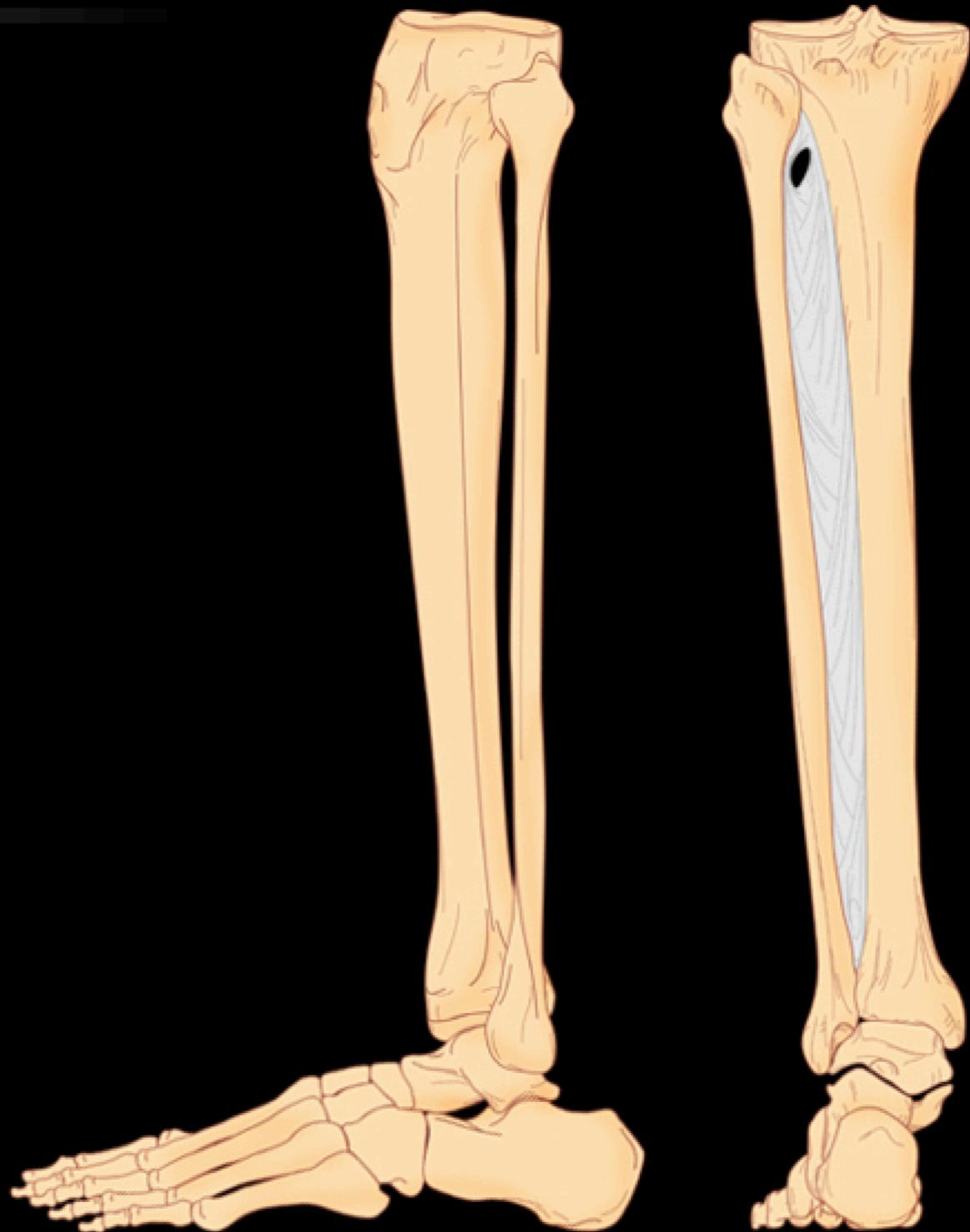
Talocrural (Ankle) Joint

## Joint Structure

Type of joint

Articulations

Ligaments



# Inferior Limb

Talocrural (Ankle) Joint

## Movements of Ankle Joint

Dorsal flexion

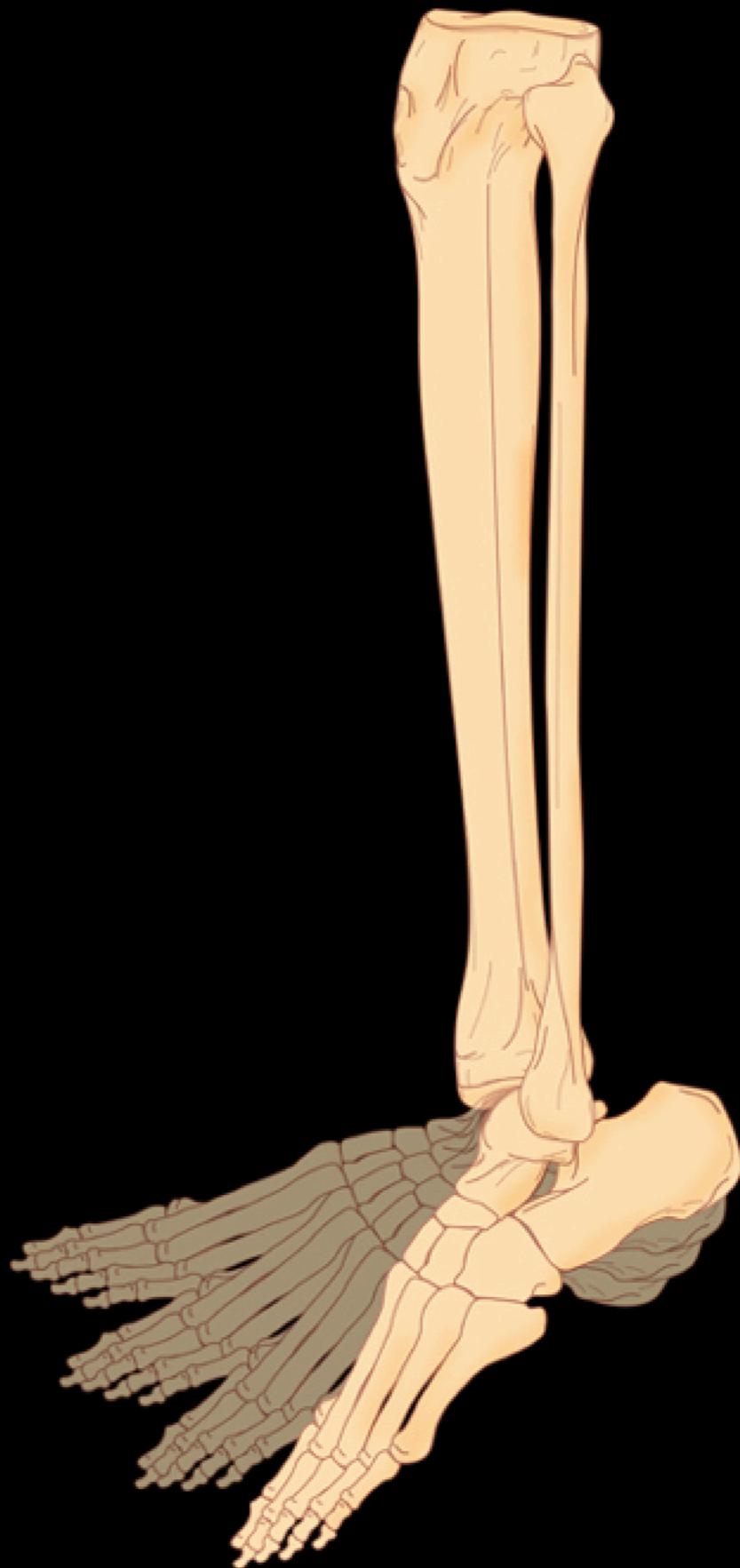


# Inferior Limb

Talocrural (Ankle) Joint

## Movements of Ankle Joint

Plantar flexion



# Inferior Limb

Tarsal Joints

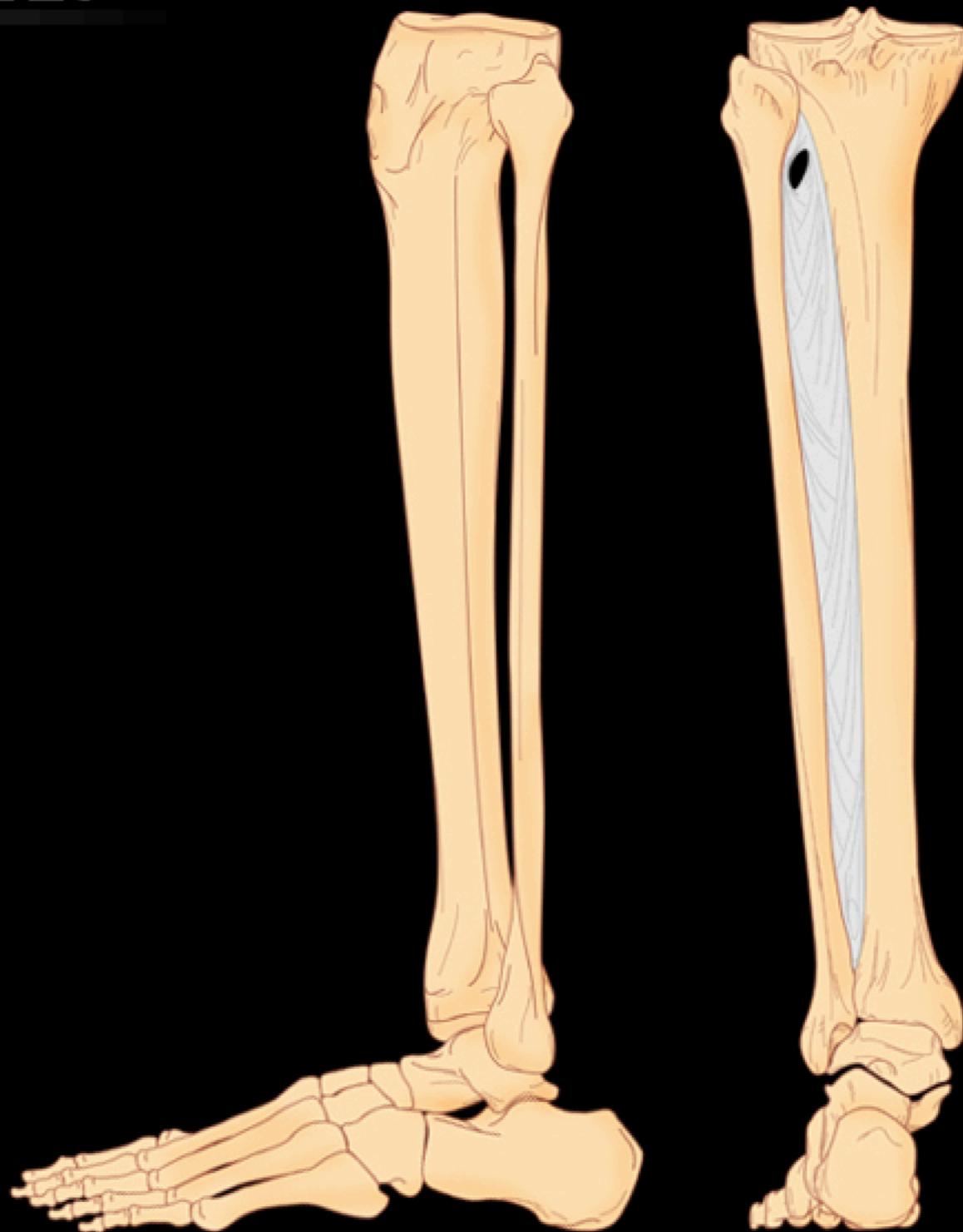
## Various Joints

Subtalar joint

Transverse tarsal joint

Talocalcaneonavicular joint

Calcaneocuboid joint



# Inferior Limb

Tarsal Joints

## Movements of Tarsal Joints

Inversion

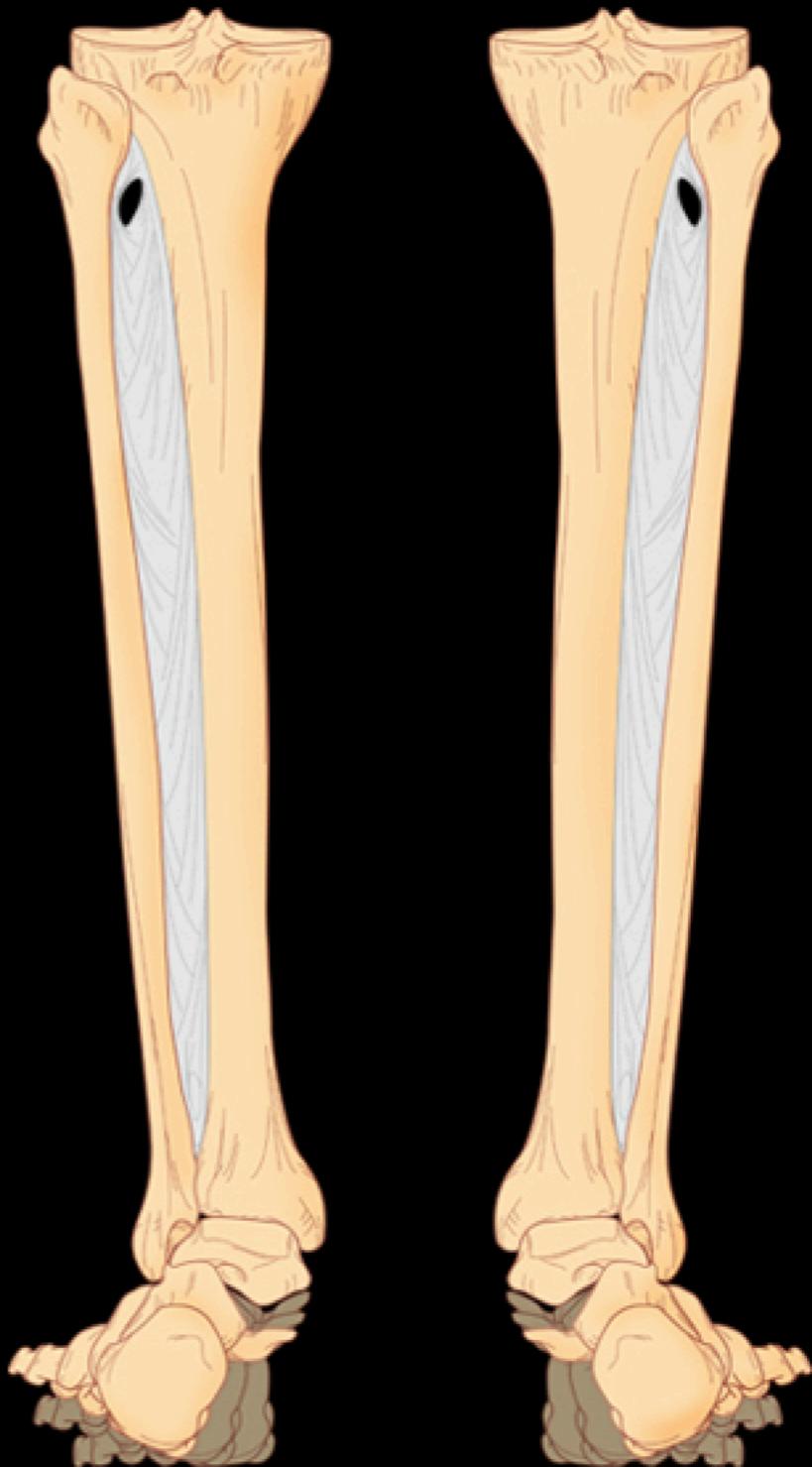


# Inferior Limb

Tarsal Joints

## Movements of Tarsal Joints

Eversion



# Inferior Limb

Joints of the Toes

## Various Joints

Compare to the hand

