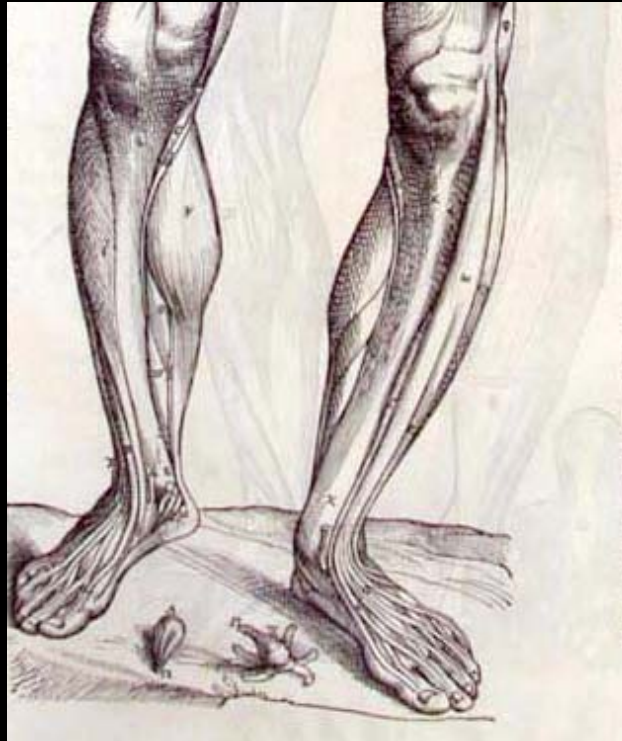


G30: Leg and Knee



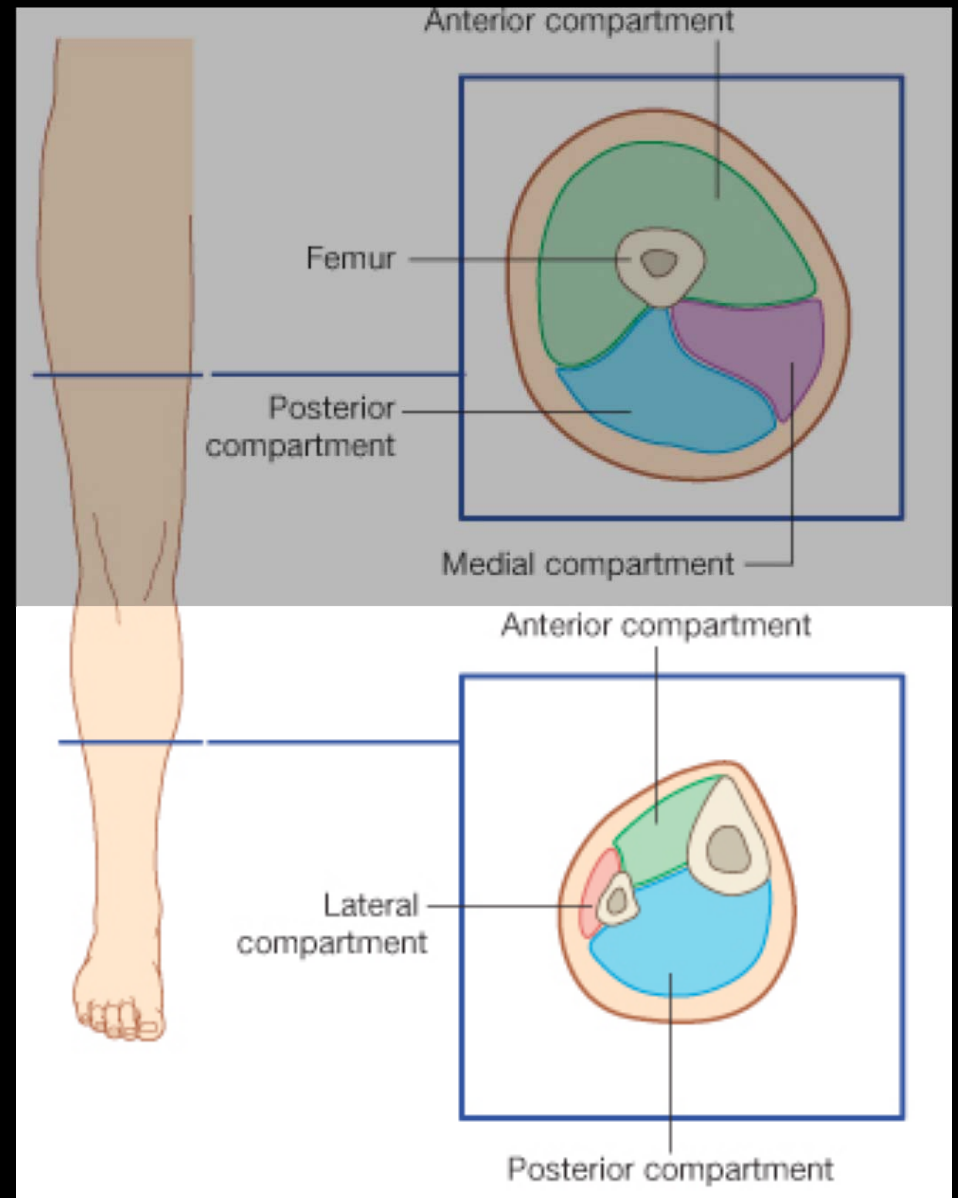
Syllabus - Pg. 26

Fascia of the thigh

Superficial fascia

Deep Fascia

- Leg - Crural fascia
 - Anterior
 - Lateral
 - Posterior



1) Muscles of the Anterior Leg

Anterior leg mm.

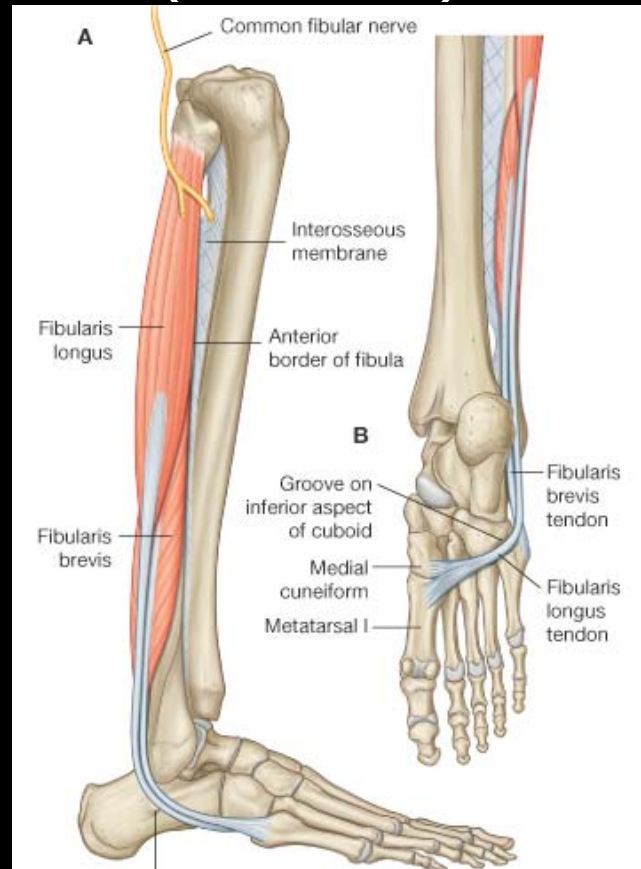
- Tibialis anterior
- Extensor digitorum longus
- Extensor hallucis longus
- (Peroneus tertius)



1) Muscles of the Lateral Leg

Lateral leg mm.

- Peroneus (fibularis) longus
- Peroneus (fibularis) brevis



1) Muscles of the Posterior Leg

Posterior leg mm.

- Gastrocnemius



1) Muscles of the Posterior Leg

Posterior leg mm.

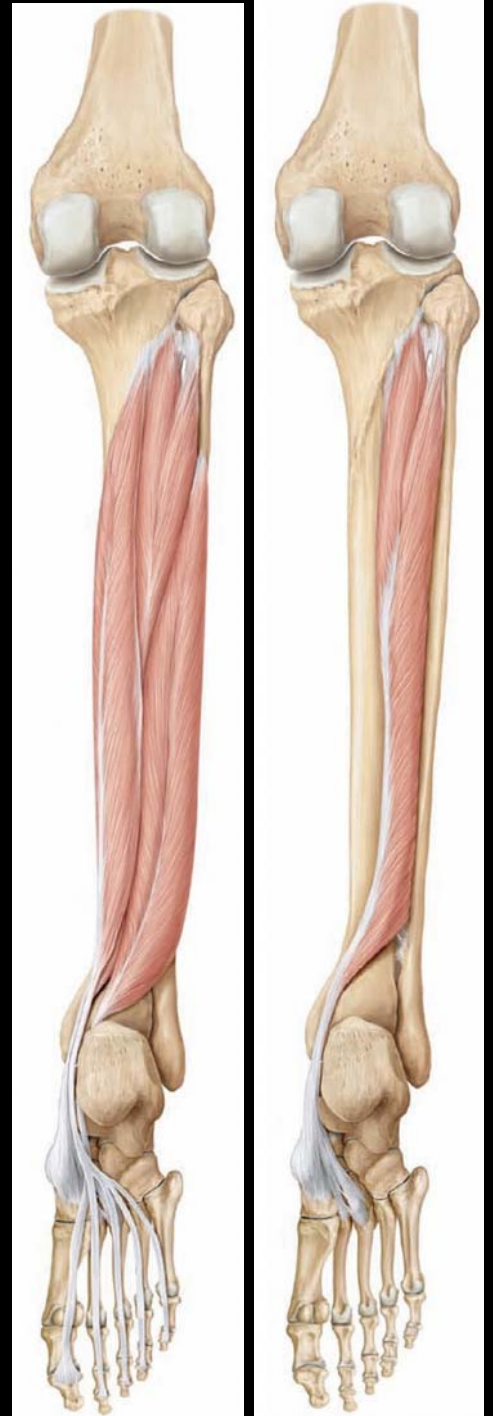
- Gastrocnemius
- Soleus
- Plantaris
- Popliteus



1) Muscles of the Posterior Leg

Posterior leg mm.

- Tibialis posterior
- Flexor digitorum longus
- Flexor hallucis longus



1) Muscles of the Posterior Leg



Iliopsoas –
Quads –
Hamstrings –
Anterior leg -

1) Muscles of the Posterior Leg



Iliopsoas – Hip flexion

Quads – Ext knee

Hamstrings – Slowing knee swing

Anterior leg - Dorsiflexion

2) Sacral plexus - Leg

Sciatic nerve

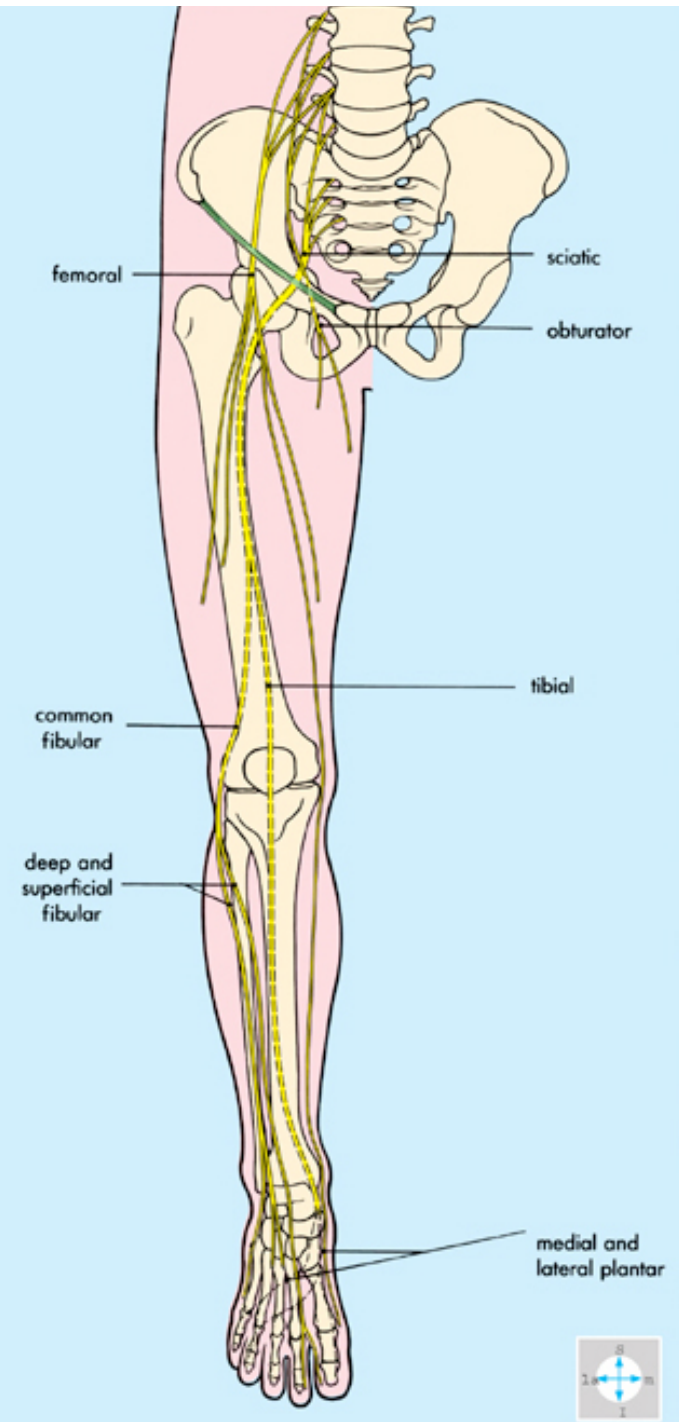
- Tibial nerve (posterior leg)
- Common peroneal nerve



2) Sacral plexus - Leg

Sciatic nerve

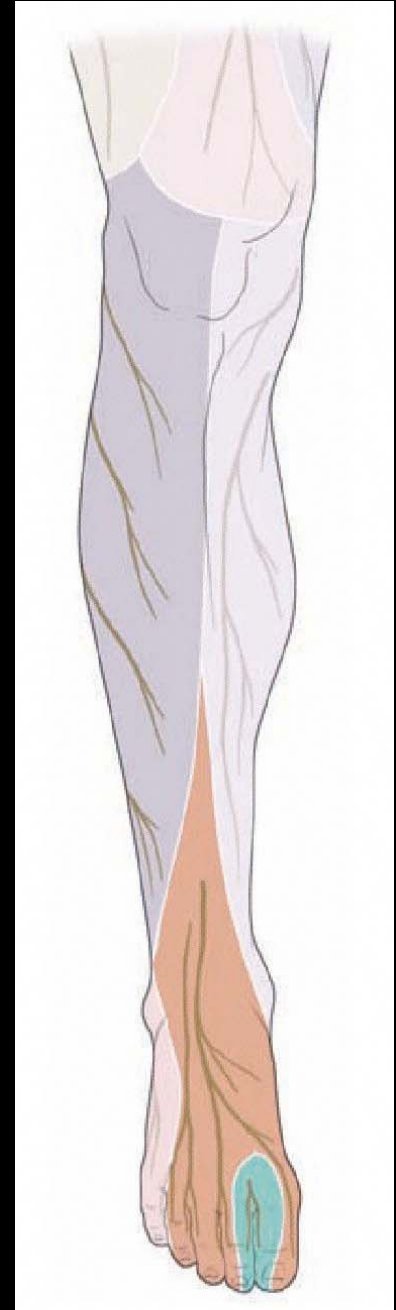
- Tibial nerve
- Common peroneal nerve
 - Superficial peroneal (lateral)
 - Deep peroneal (anterior)



2) Sacral plexus - Leg

Sciatic nerve

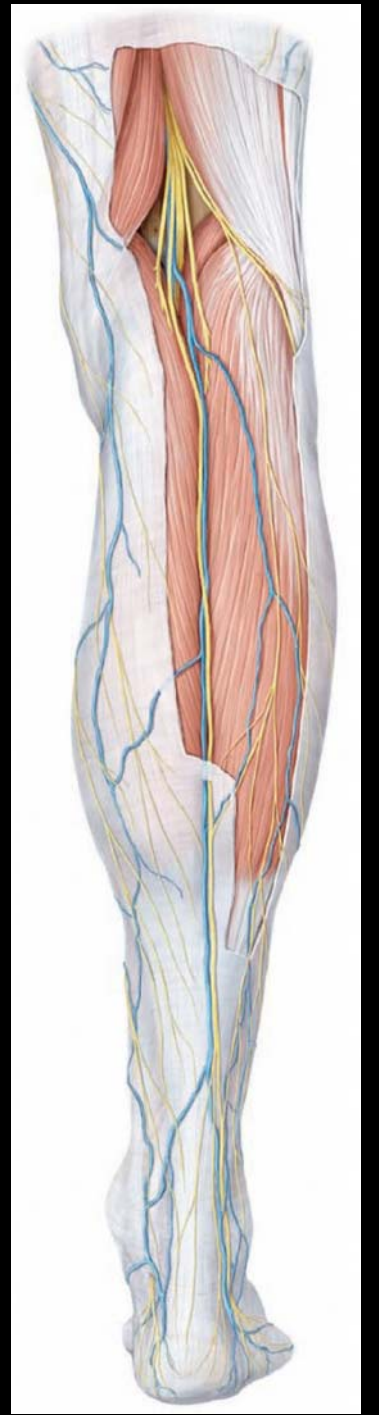
- Common peroneal nerve
 - Superficial peroneal
 - Deep peroneal



2) Sacral plexus - Leg

Sciatic nerve

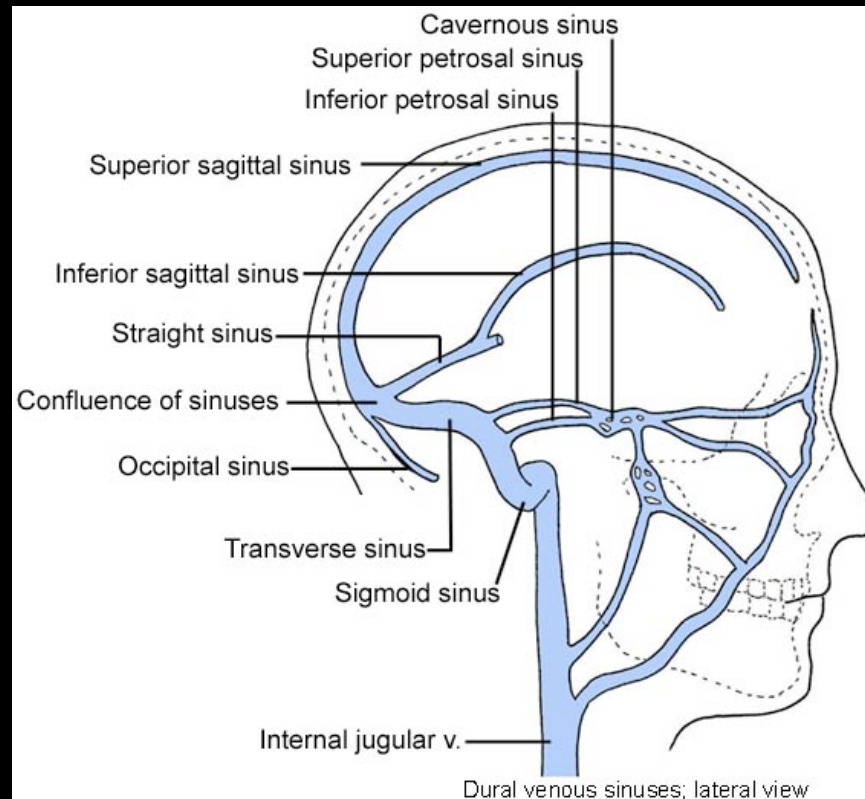
- Tibial nerve
 - Medial sural nerve
- Common peroneal nerve
 - Lateral sural nerve



3) Vasculature of the Leg

Growth Hormone is secreted from the anterior pituitary gland and targets muscle and bone (among other tissues) increasing growth. Trace a molecule of GH from the pituitary gland to the tibialis anterior muscle.

3) Vasculature of the Leg

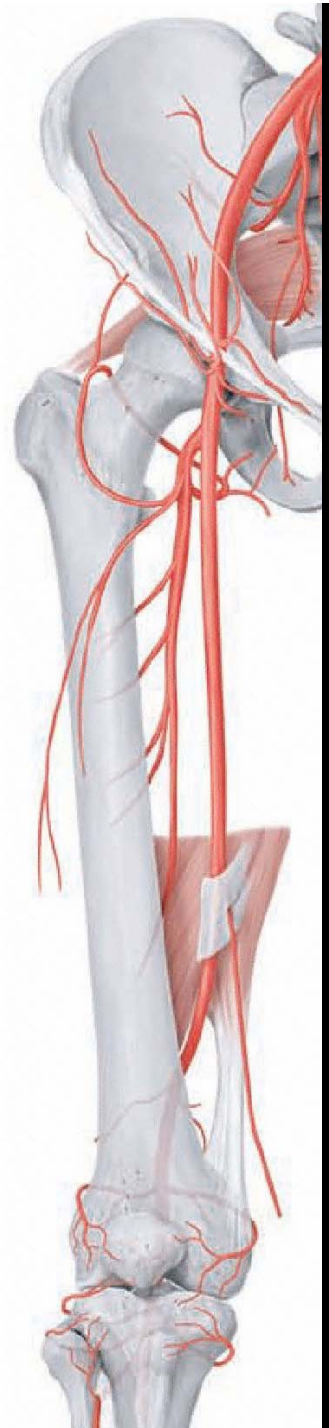


Heart-Lungs-Heart

3) Vasculature of the Leg

Femoral artery

Popliteal artery



3) Vascularization

Femoral artery

Popliteal artery

- Anterior tibial artery
- Posterior tibial artery

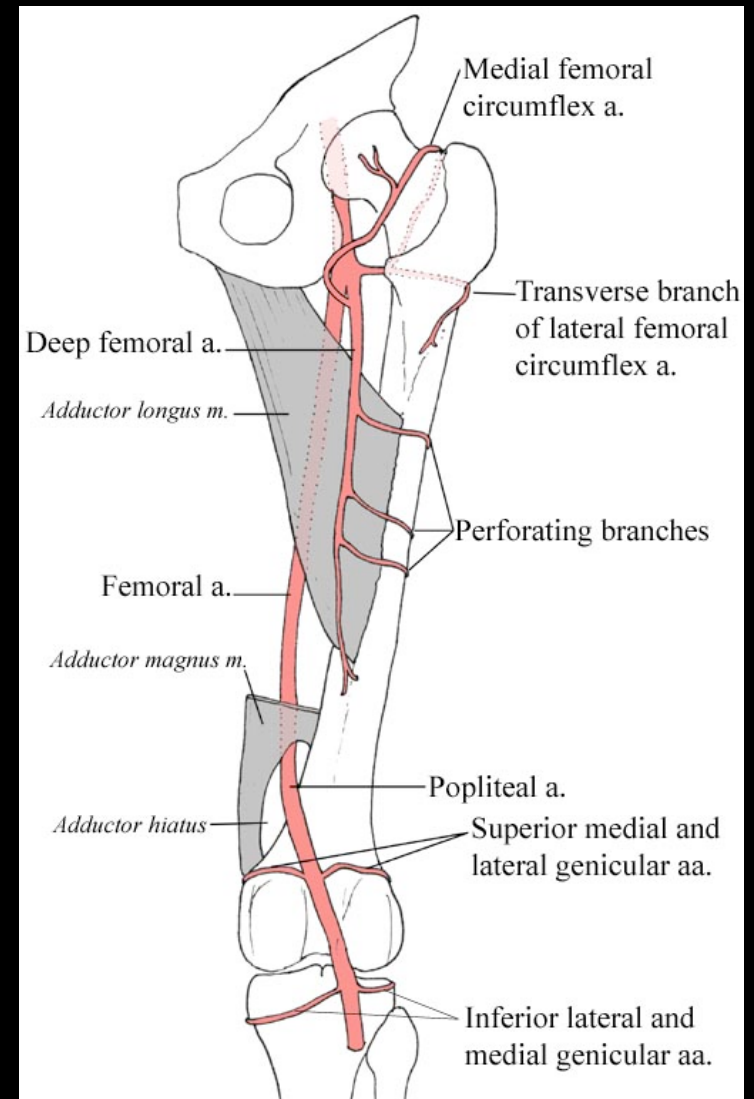


3) Vasculature of the Leg

Femoral artery

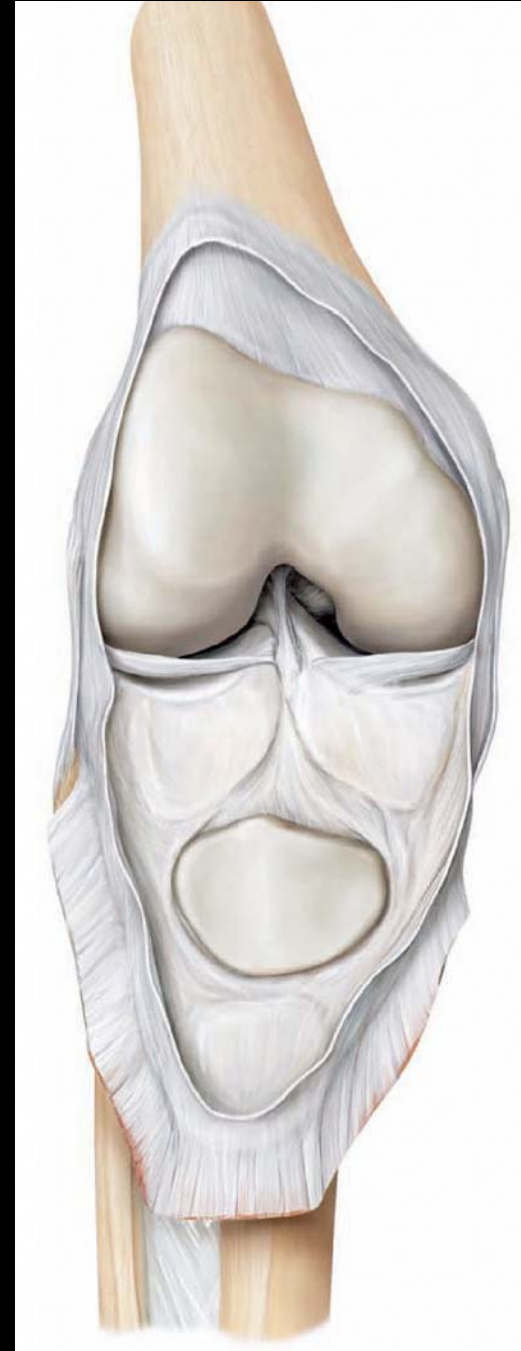
Popliteal artery

- Genicular arteries



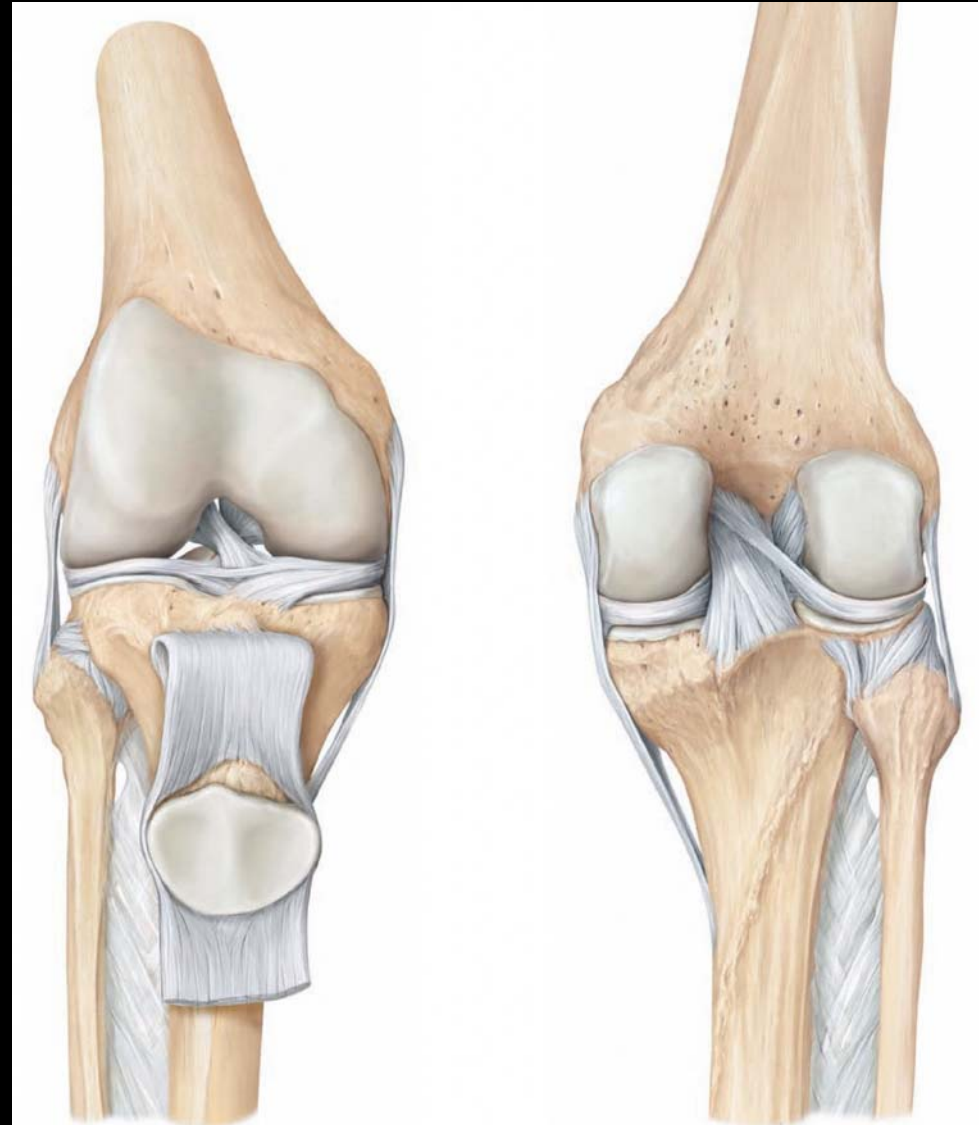
4) Knee Joint

- Joint capsule
- Meniscus
- Cruciate ligaments
- Collateral ligaments



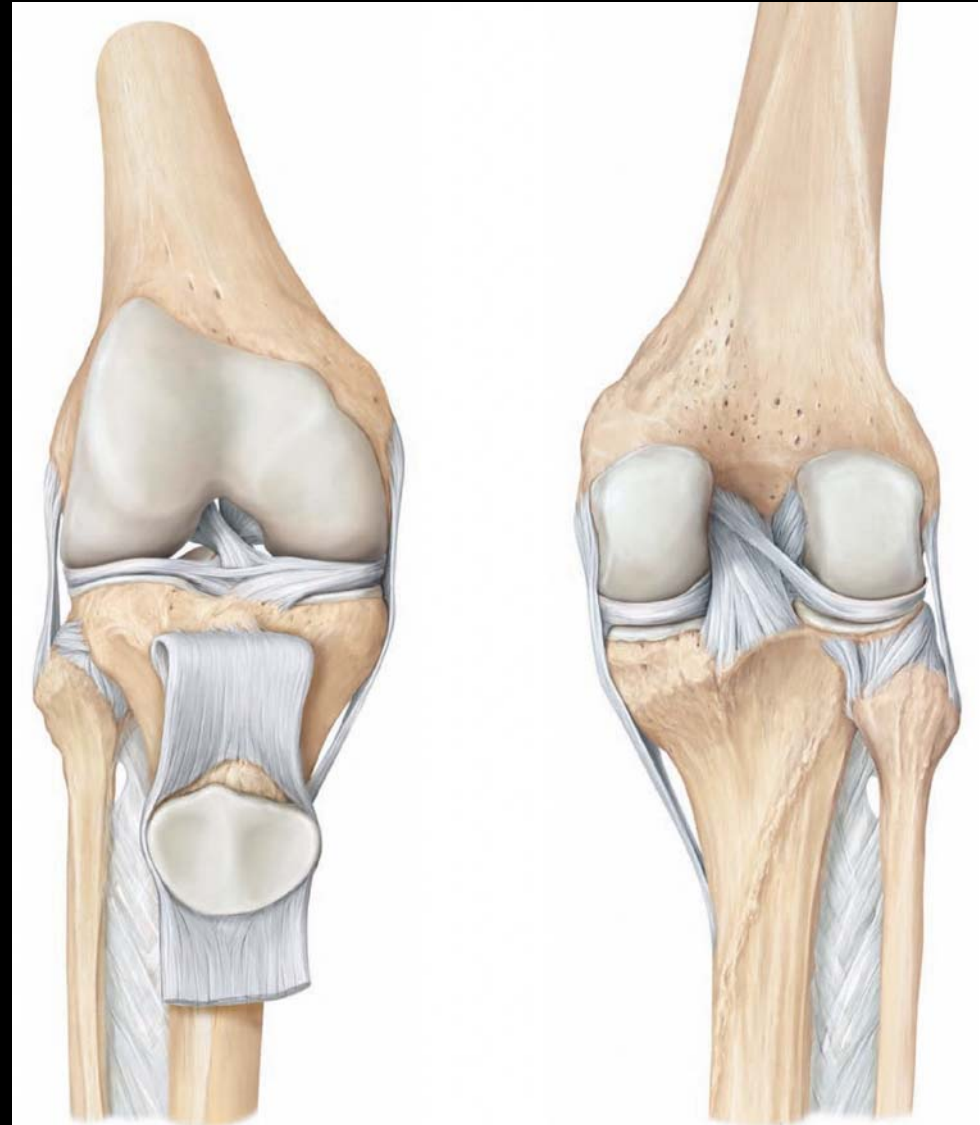
4) Knee Joint

- Joint capsule
- Meniscus
- Cruciate ligaments
- Collateral ligaments



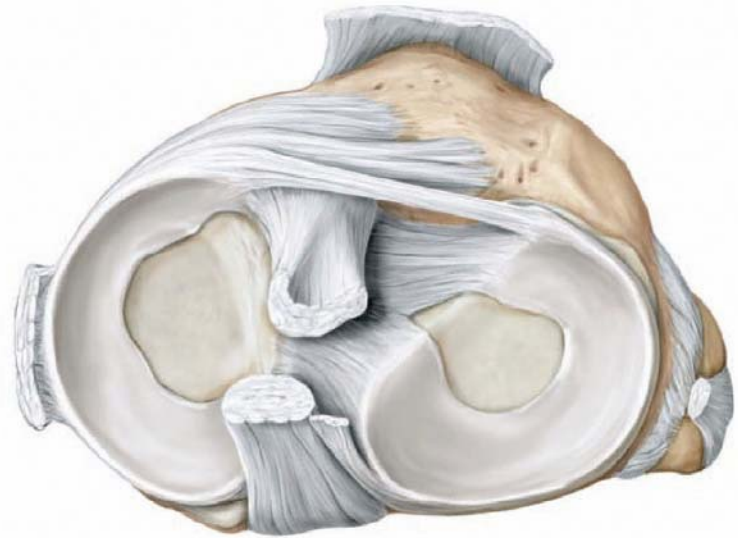
4) Knee Joint

- Joint capsule
- Meniscus
 - Medial
 - Lateral
- Cruciate ligaments
- Collateral ligaments



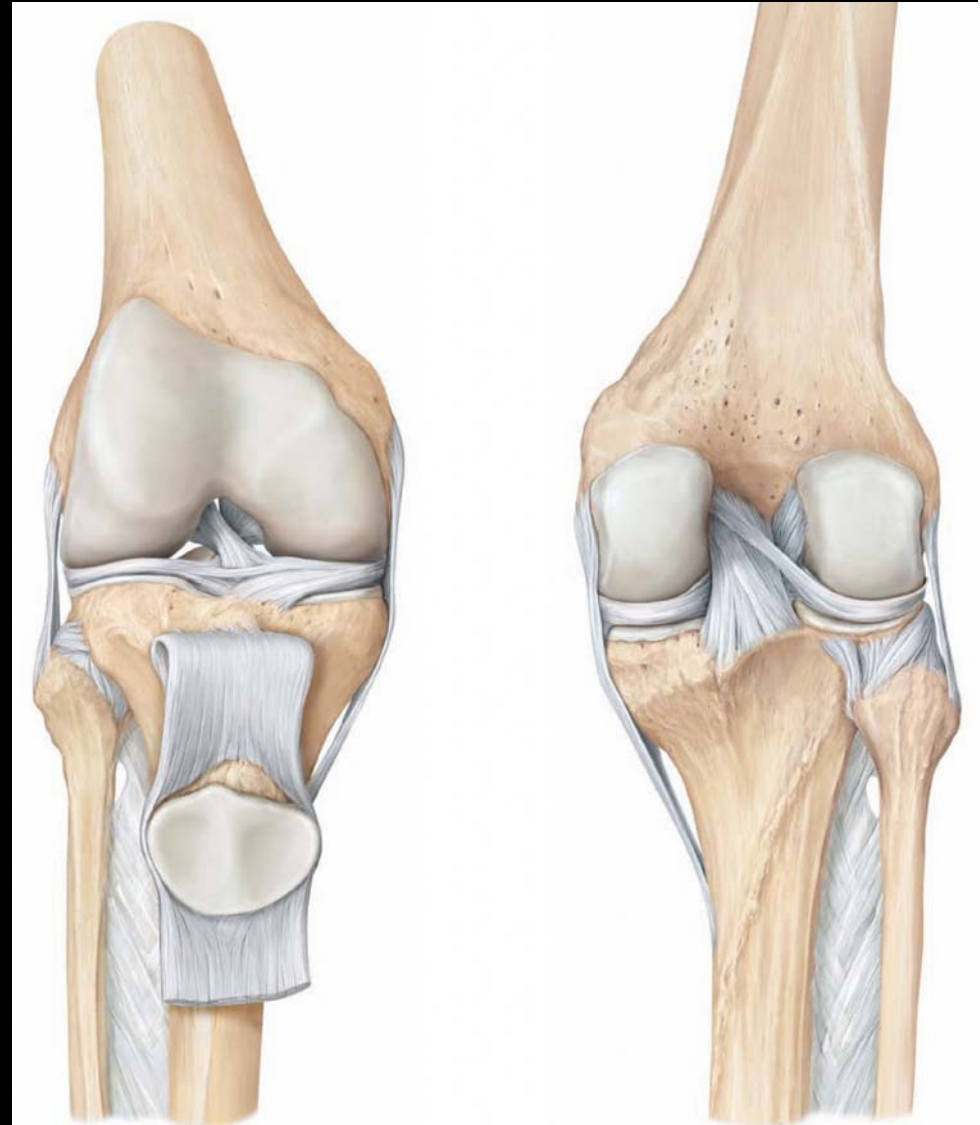
4) Knee Joint

- Joint capsule
- Meniscus
 - Medial
 - Lateral
- Cruciate ligaments
- Collateral ligaments



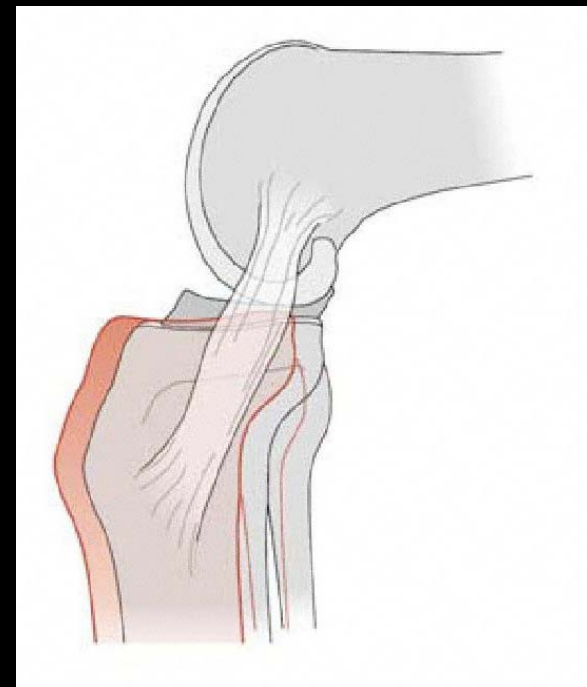
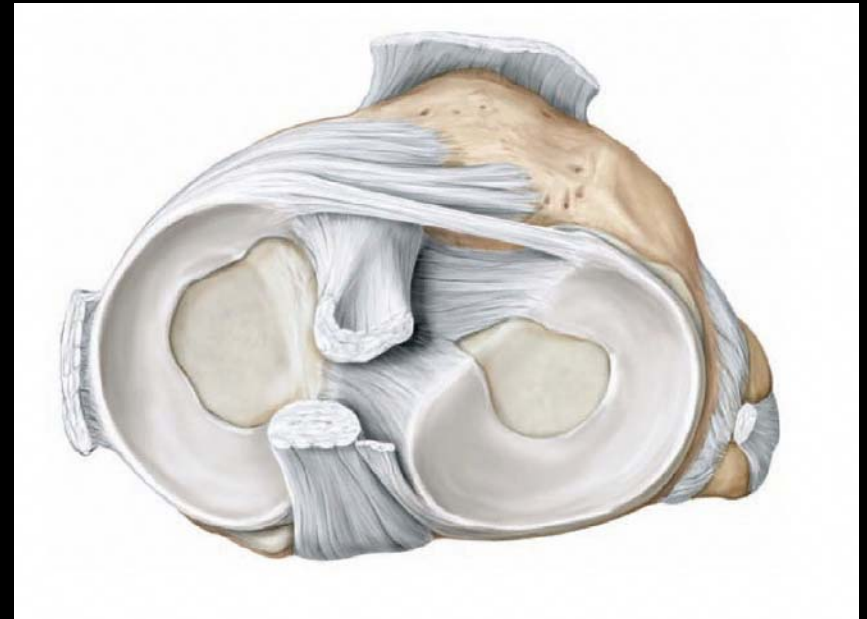
4) Knee Joint

- Joint capsule
- Meniscus
- Cruciate ligaments
 - Anterior
 - Posterior
- Collateral ligaments



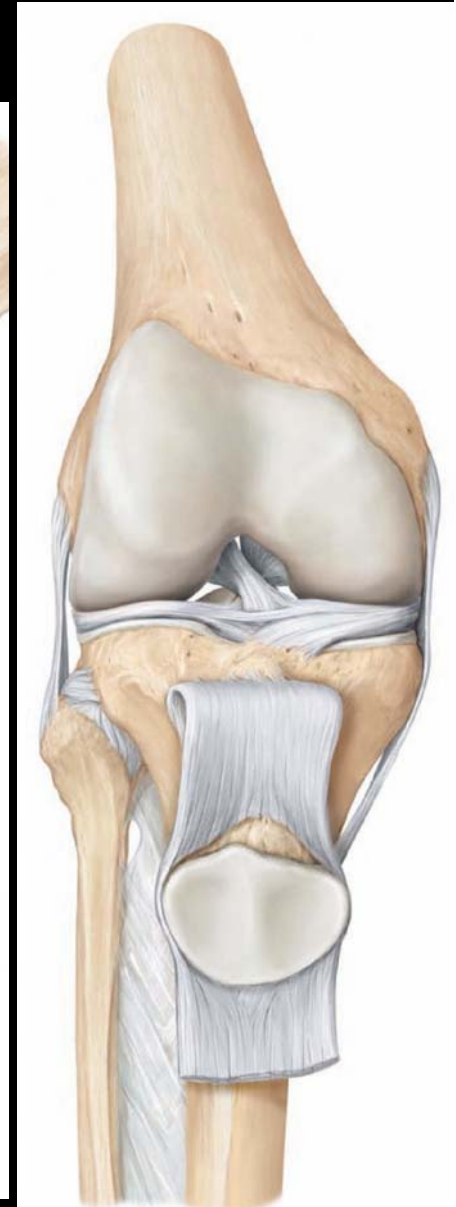
4) Knee Joint

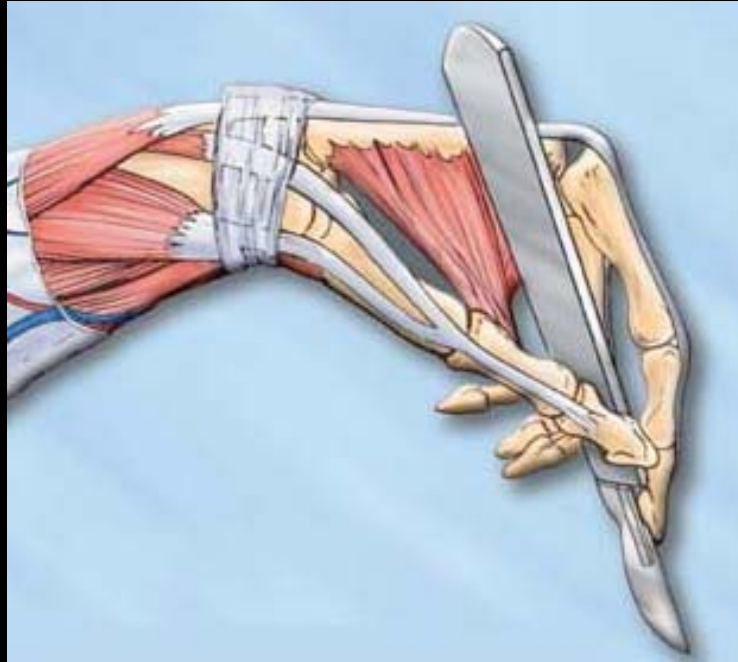
- Joint capsule
- Meniscus
- Cruciate ligaments
 - Anterior
 - Posterior
- Collateral ligaments



4) Knee Joint

- Joint capsule
- Meniscus
- Cruciate ligaments
- Collateral ligaments
 - Medial (tibial)
 - Lateral (fibular)





THANK-YOU