

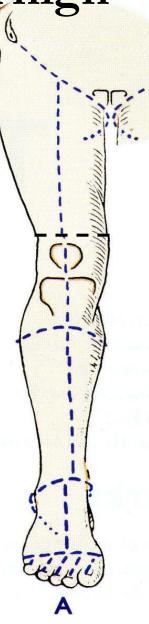
Anterior and Medial Region of the Thigh

Incisions:

*an oblique incision: goes from the anterior and superior iliac spine to the pubis tubercle.

* two transverse incisions:

- (1)2cm above of the base of the patella
- (2) goes through the tibial tuberosity
- * a vertical incision: join the midpoint of the three previous incisions.



Great Saphenous V

superficial epigastric v.
superficial iliac circumflex v.
external pudendal v.
superficial medial femoral v.
superficial lateral femoral v.

• Cutaneous nerves:

-anterior and medial cutaneous branches of femoral n.

-lateral femoral cutaneous n.

saphenous N.



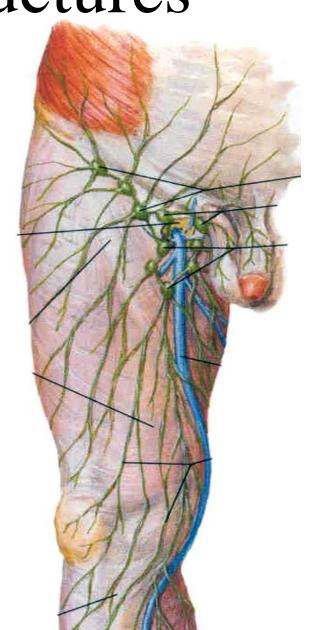
Superficial Structures

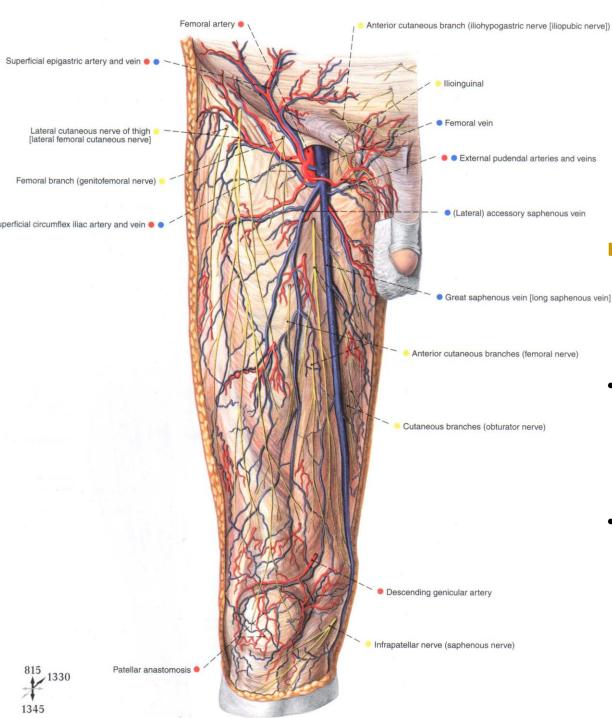
★Superficial fascia

•Superficial inguinal lymph nodes:

-superior group

-inferior group





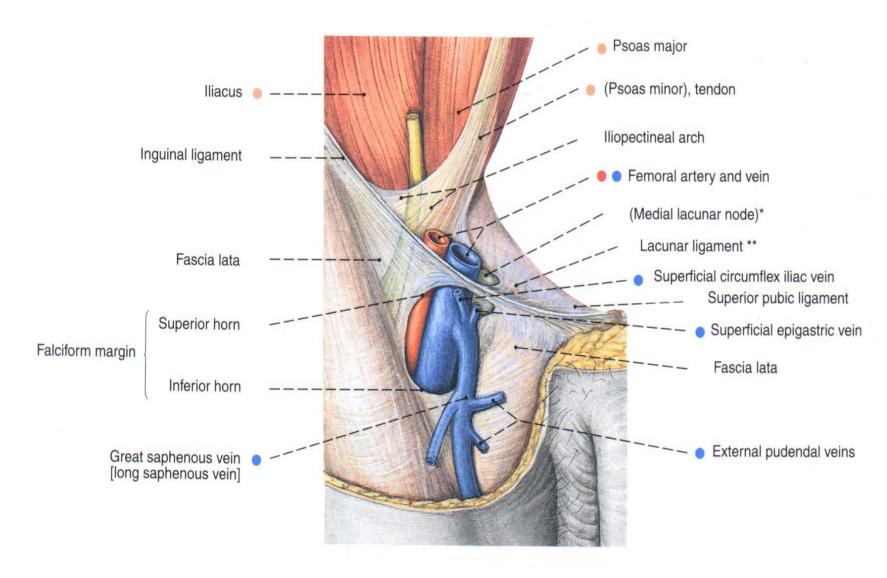
Superficial Arteries

superficial iliac circumflex artery

superficial epigastric artery

 external pudendal artery

Saphenous Opening



Deep Structures

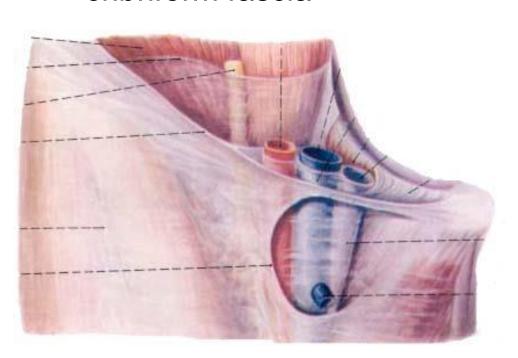
Deep fascia – fascia lata

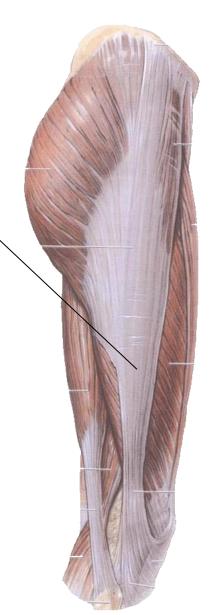
Iliotibial tract

Saphenous hiatus

falciform margin

cribriform fascia

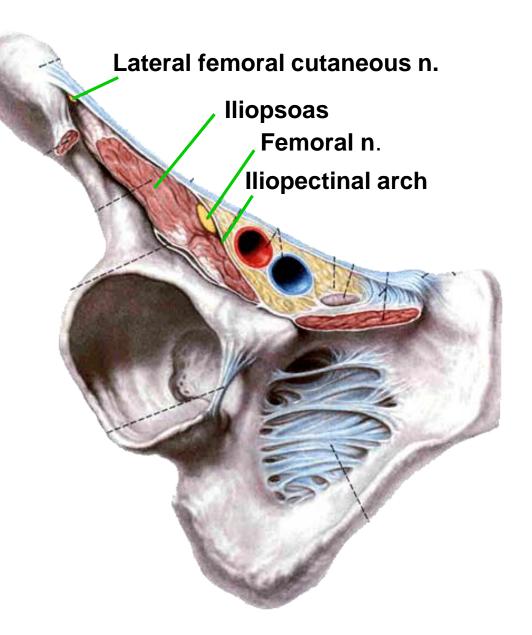




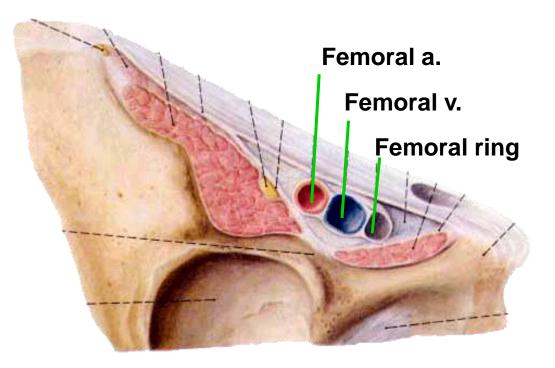
Lacuna musculorum

 Bounded by lateral portion of inguinal ligament anteriorly, ilium posterolaterally, iliopectinal arch medially

 Contents: iliopsoas, femoral n. and lateral femoral cutaneous n.



Lacuna vasorum



- Bounded by medial portion of inguinal ligament anteriorly, pectineal ligament posteromedially, lacunar ligament medially, and iliopectinal arch posterolaterally
- Contents:
- femoral sheath, femoral a. and v., genital branch of genitofemoral n. and lymphatic vessels, femoral ring

The femoral canal

- It is about 1.3cm long, and its upper opening is called the femoral ring.
- The boundaries of the femoral ring

Anteriorly: the inguinal ligament

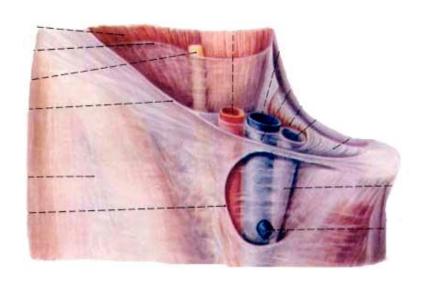
Posteriorly: the pecten of pubis

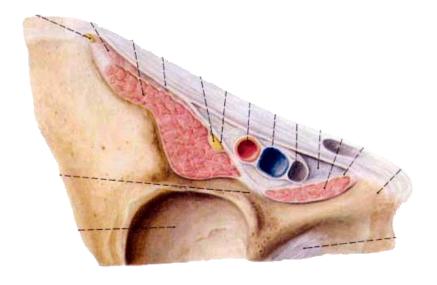
Medially: the lacunar ligament

Laterally: the femoral vein

Superiorly: covered by femoral septum

 The canal contains a little loose fatty tissue, a small lymph node, and some lymph vessels.

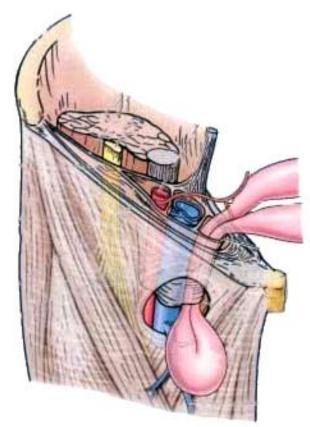




Femoral hernia

A femoral hernia is common in women than in men (possibly due to a wider pelvis and femoral canal). If a loop of intestine is forced into the femoral ring, it expands to form a swelling in the upper part of the thigh.



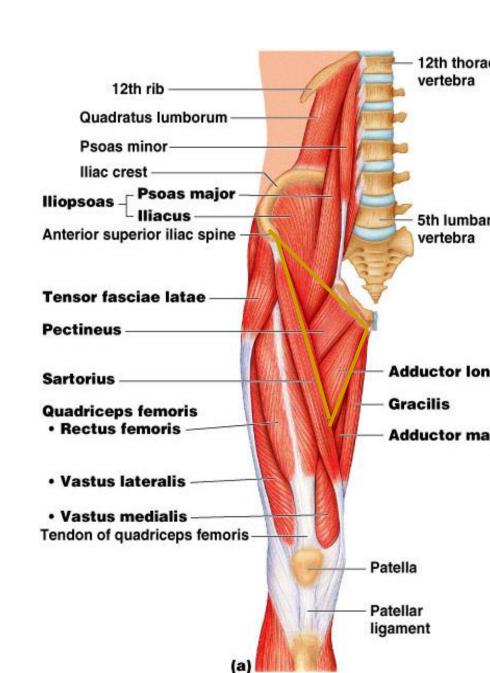


Femoral Triangle

★The boundaries

- Superiorly---the inguinal ligament
- Medially--- medial border of adductor longus
- Laterally--- medial border of sartorius
- Base---iliopsoas & pectineus muscle
- Inferiorly--- the apex of the triangle is continuous with adductor canal.

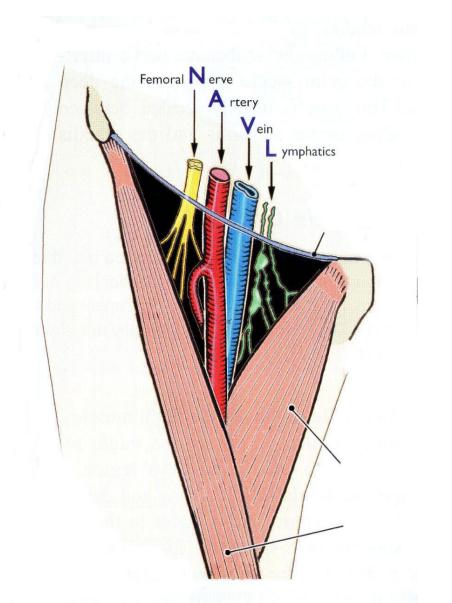
The *anterior wall is* fascial lata

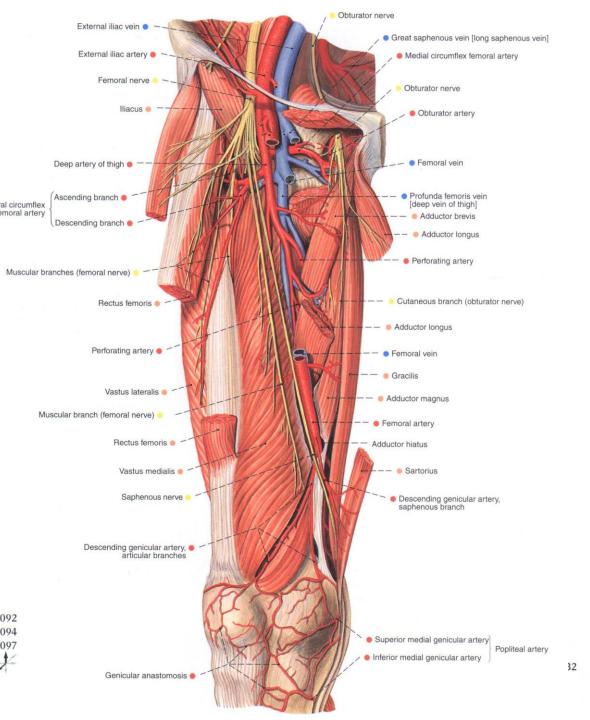


Femoral Triangle

★The contents:

- Femoral artery and its branches---- the profunda femoris artery
- Femoral vein
- Femoral canal
- Femoral nerve





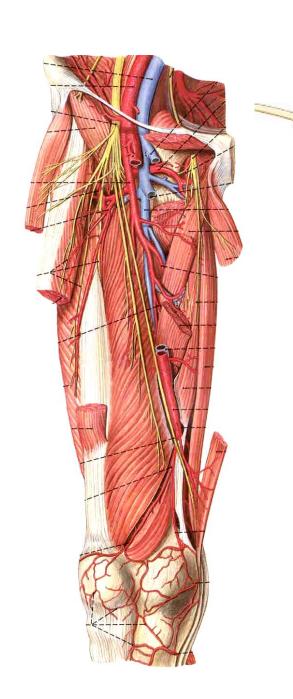
Femoral Artery

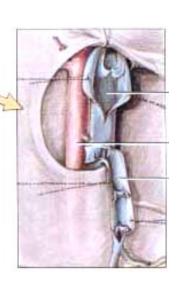
Profunda femoris artery

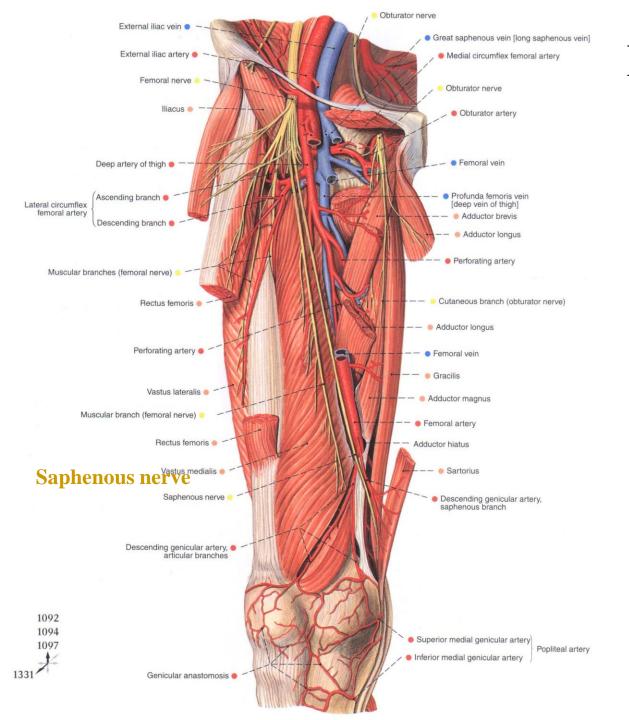
- medial circumflex femoral artery
- lateral circumflex femoral artery
- Perforating arteries

Femoral Vein

- This is the direct continuation of the popliteal vein. It begins at the adductor tendinous opening and accompanies the femoral artery to the inguinal ligament behind which it becomes the external iliac vein.
- The femoral vein contains several valves.

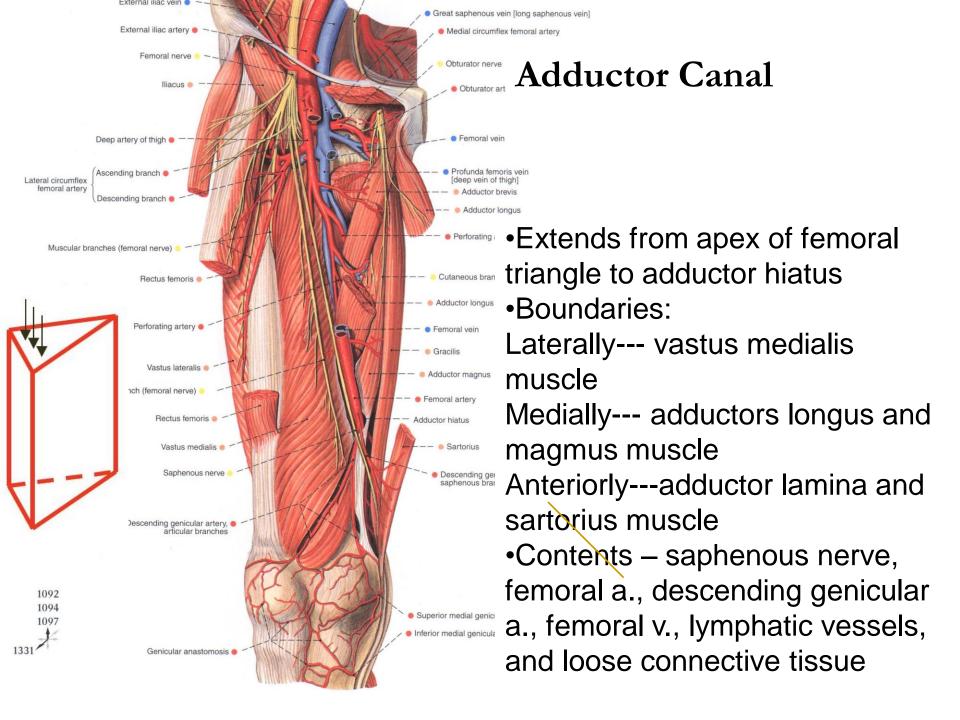


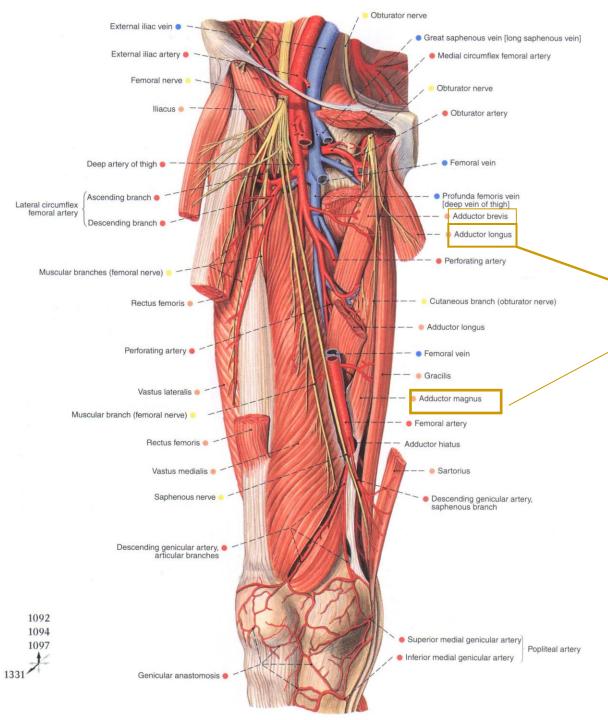




Femoral Nerve

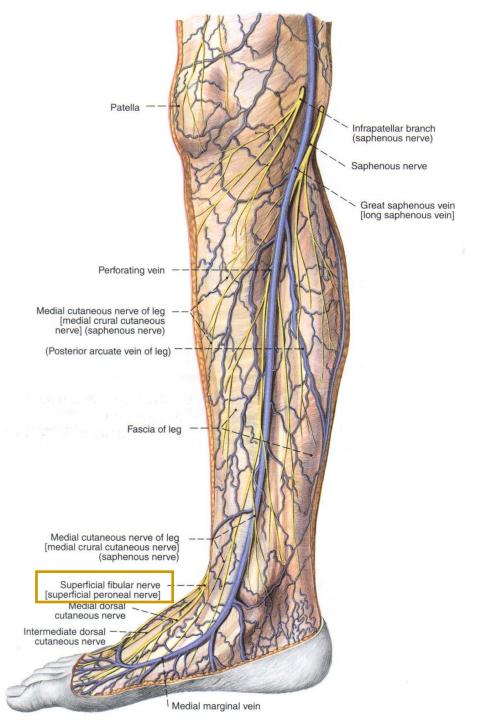
- It arises from the lumbar plexus in the abdomen
- •enters the thigh posterior to the inguinal ligament and lateral to the femoral artery.
- It ends by dividing into a number of branches 2 cm below the inguinal ligament.
- •The longest cutaneous branch---saphenous nerve.





Medial Side of the Thigh

- Adduct muscle of the thigh pectineal m. adductor longus m.
 adductor magnus m.
 adductor brevis m.
- gracilis m.Obturator vessels and nerves obturator a.
 - obturator v.
 - obturator n.



Structures in the superficial fascia

Great saphenous vein:

Saphenous nerve

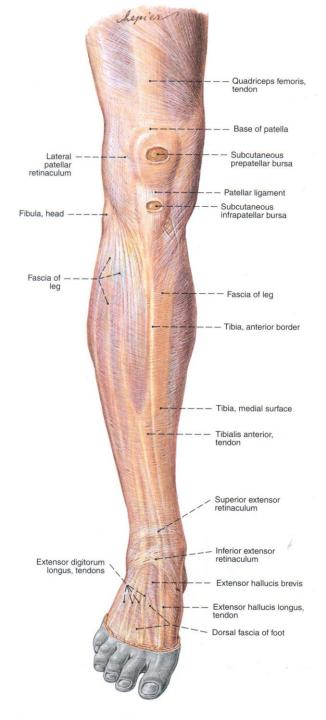
Small saphenous vein

•

Superficial peroneal n.

on the lower third.

•



Deep structures

★Deep fascia

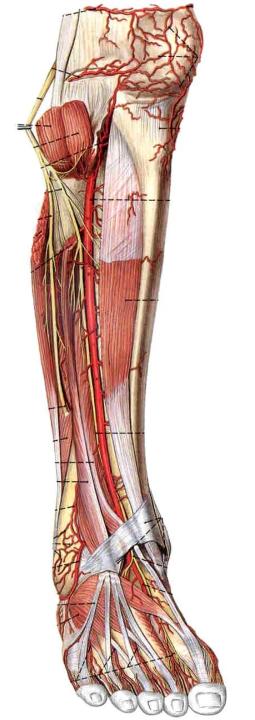
- continuous with the fascia lata
- This fascia segregates the leg into three compartments: anterior, lateral, and posterior
- Superiorly it is thick intermedially is thin distally, the fascia thickens and forms the superior and inferior extensor retinaculum.

Anterior tibial artery

- It come from the popliteal artery .
- It passes forwards above the interosseous membrane
- Just below the knee company with the deep peroneal nerve.
- It becomes the dorsalis pedis artery, midway between the malleoli.

The anterior tibial veins are closely applied to the artery.

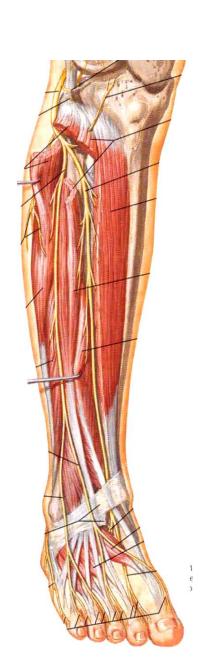
Cut the tibialis anterior muscle at the level of the tibial tuberosity



Superficial peroneal nerve Deep peroneal nerve:

- It arises from the common peroneal nerve between the neck of the fibula and the peroneus longus muscle
- It descends in the anterior compartment of the leg with the anterior tibial vessels.

Along the trip of the commom peroneus nerve cut the peroneus longus muscle

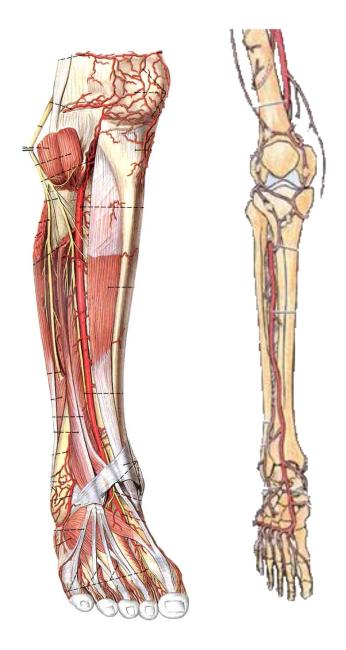


Anterior tibial a.

- Descends on anterior surface of interosseous membrane
- In front of ankle joint becomes dorsal a. of foot

Dorsal a. of foot

- Passes forward between tendons of extensor longus and extensor digitorum longus to the proximal
- End of first intermetatarsal space



Saphenous nerve Medial sural cutaneous nerve (tibial nerve) Superficial fibular nerve [superficial peroneal Great saphenous vein [long saphenous vein] Inferior extensor Medial malleolus retinaculum Lateral malleolus Great saphenous vein [long saphenous vein] Medial dorsal cutaneous nerve Saphenous nerve Intermediate dorsal cutaneous nerve Small saphenous vein [short saphenous vein] Medial marginal vein Lateral dorsal cutaneous Perforating vein Lateral marginal vein • Deep fibular nerve [deep peroneal nerve], dorsal digital nerves of foot Dorsal venous arch of foot Dorsal digital veins Dorsal digital nerves of foot

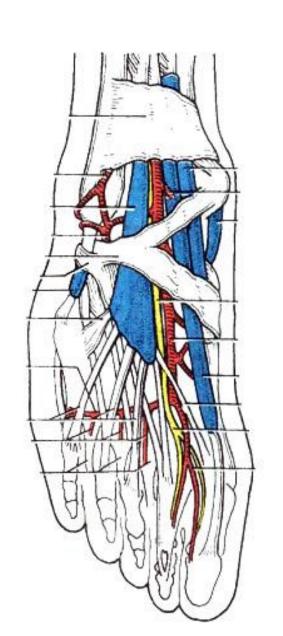
Fig. 1359 Epifascial veins and nerves of right dorsum of foot [dorsal region of foot]; dorsal aspect.

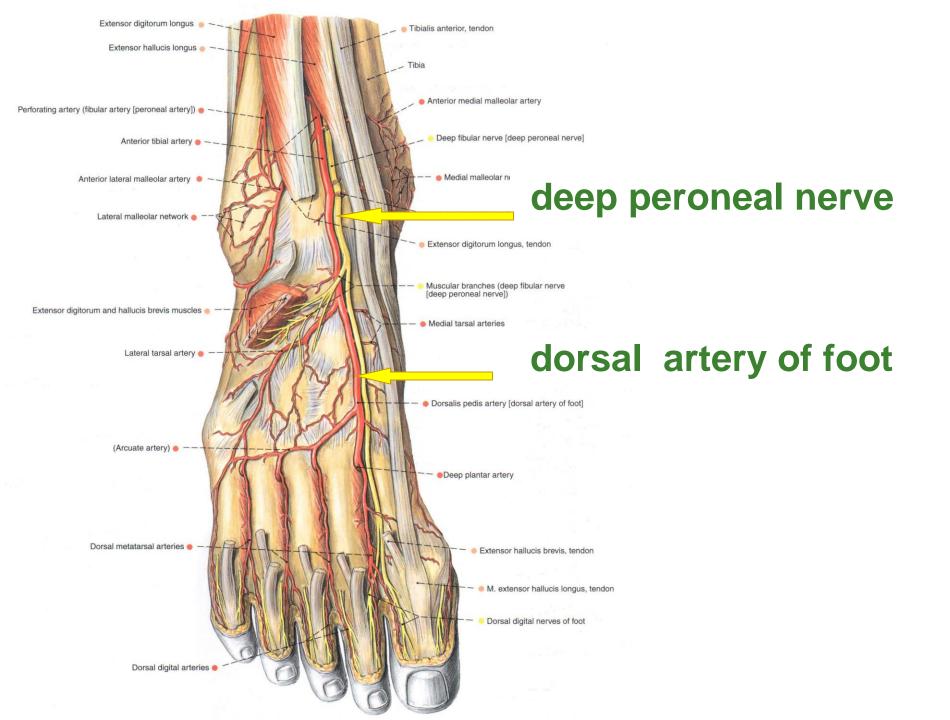
Dorsum of the foot

- superficial structures
- 1. skin
- 2. Superficial fascia
- 3. structures:
- ➤ Great saphenous vein
- >Saphenous nerve
- ➤ Superficial peroneal n.
- >Small saphenous vein
- Dorsal venous arch
- **≻Sural nerve**

Deep structures

- 1. Deep fascia superior extensor retinaculum inferior extensor retinaculum
- 2. muscles:
- 3. Vessels and nerves:





Thank you