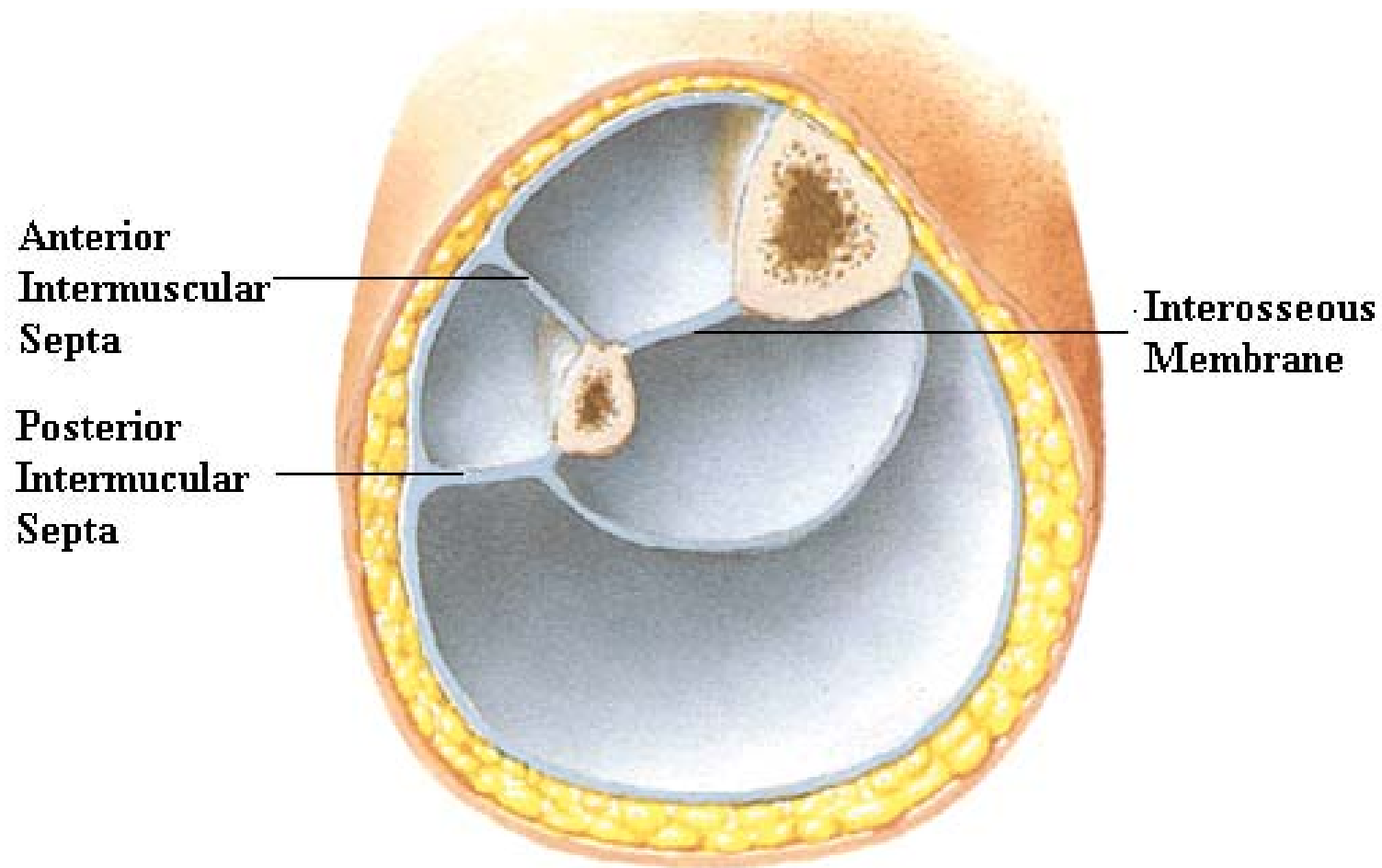
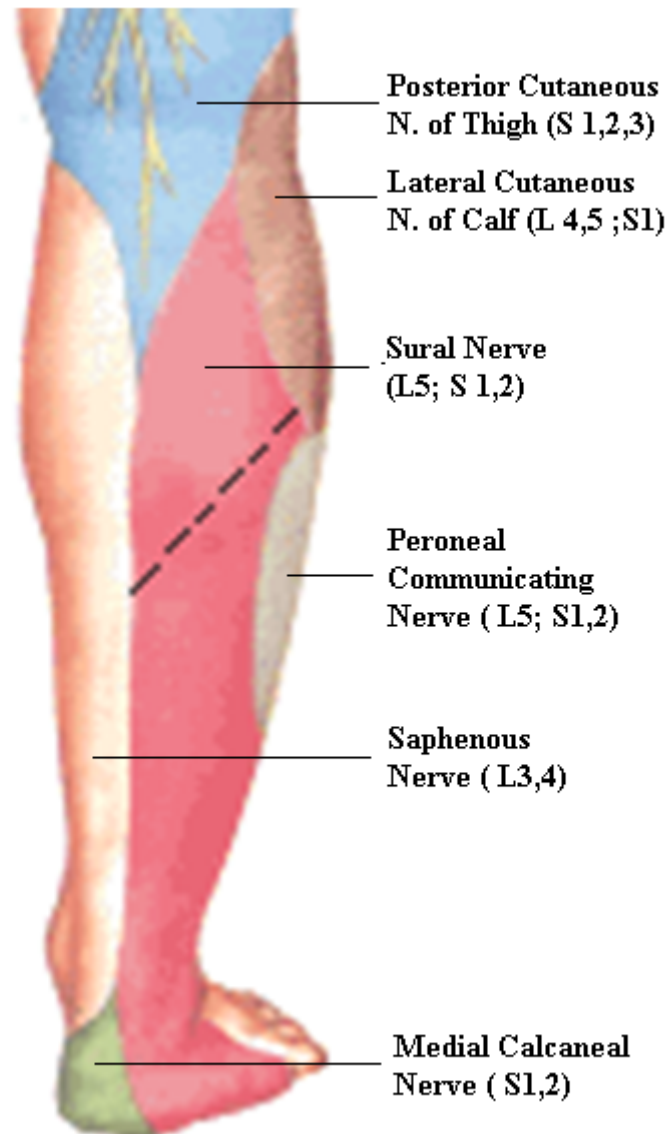


POSTERIOR
COMPARTMENT OF
LEG

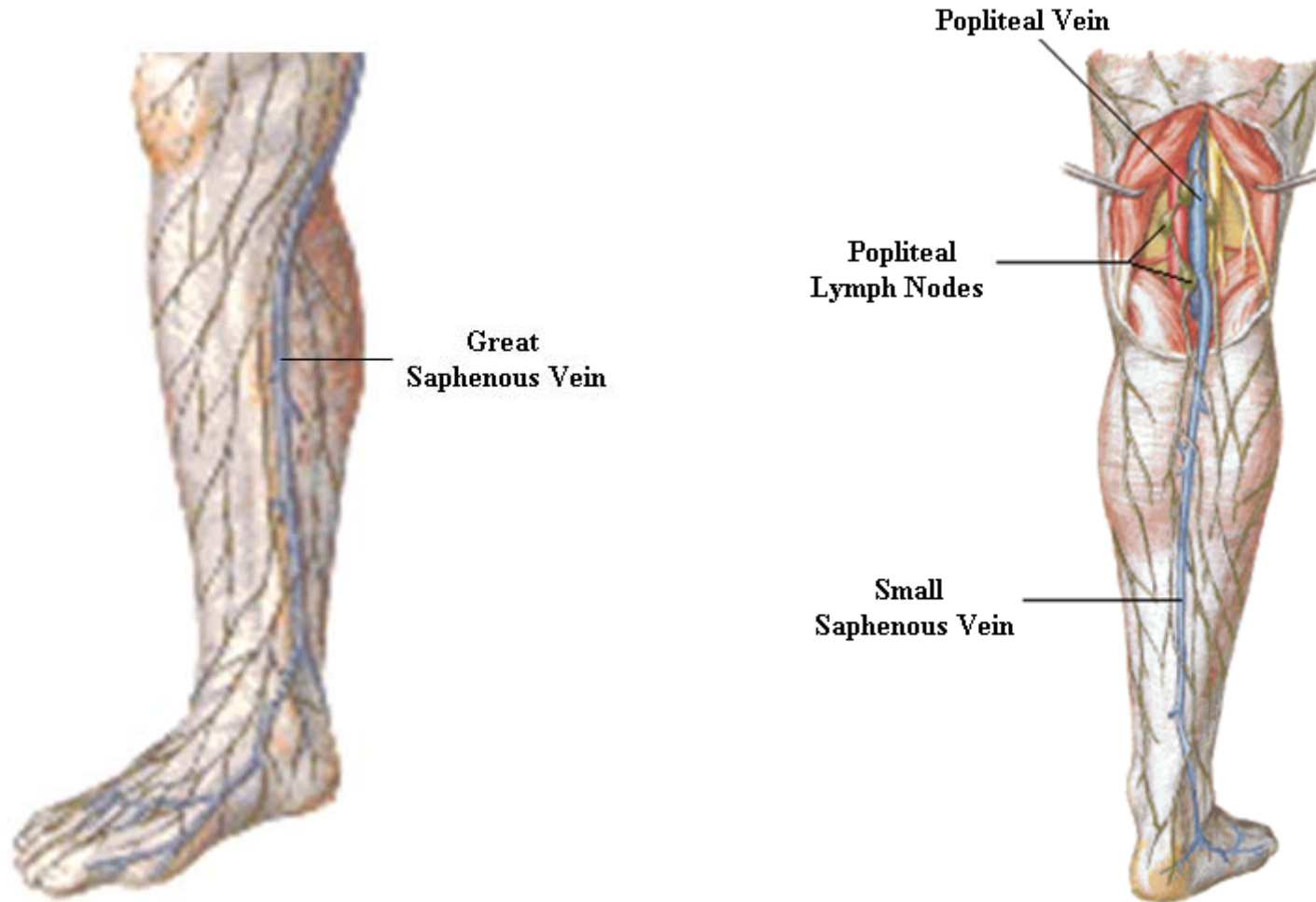
Cross Section of Leg



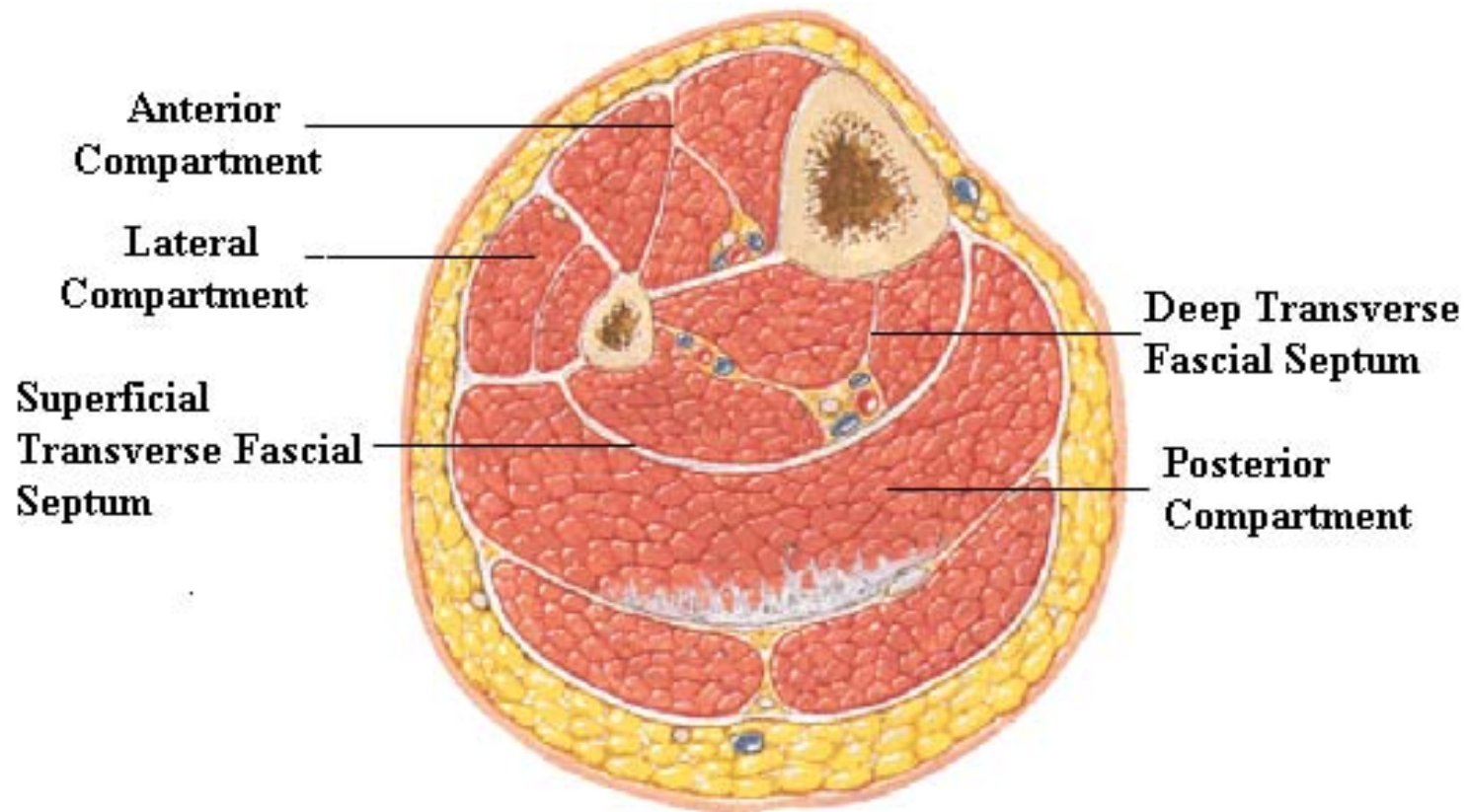
Cutaneous Innervation



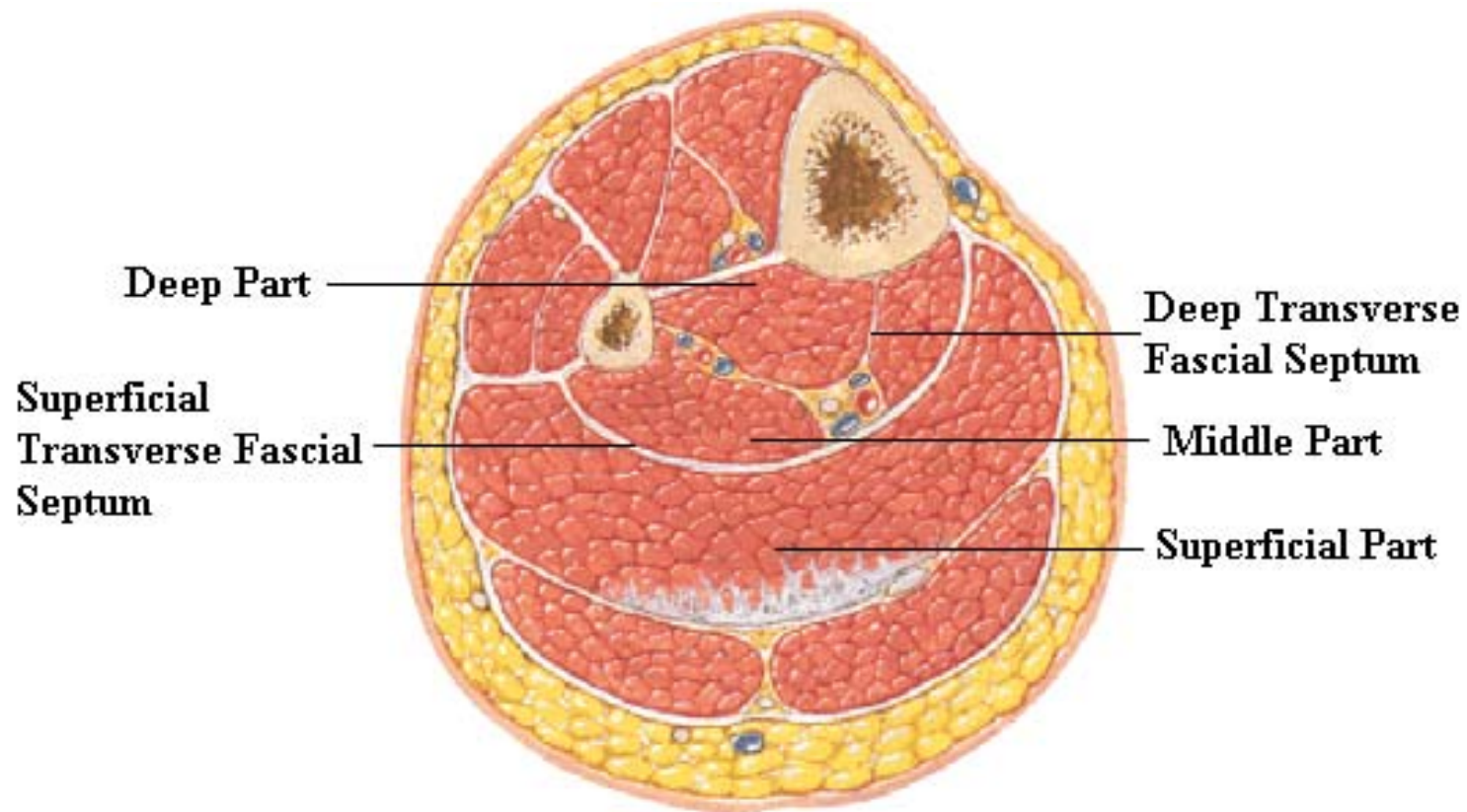
Superficial vessels of leg



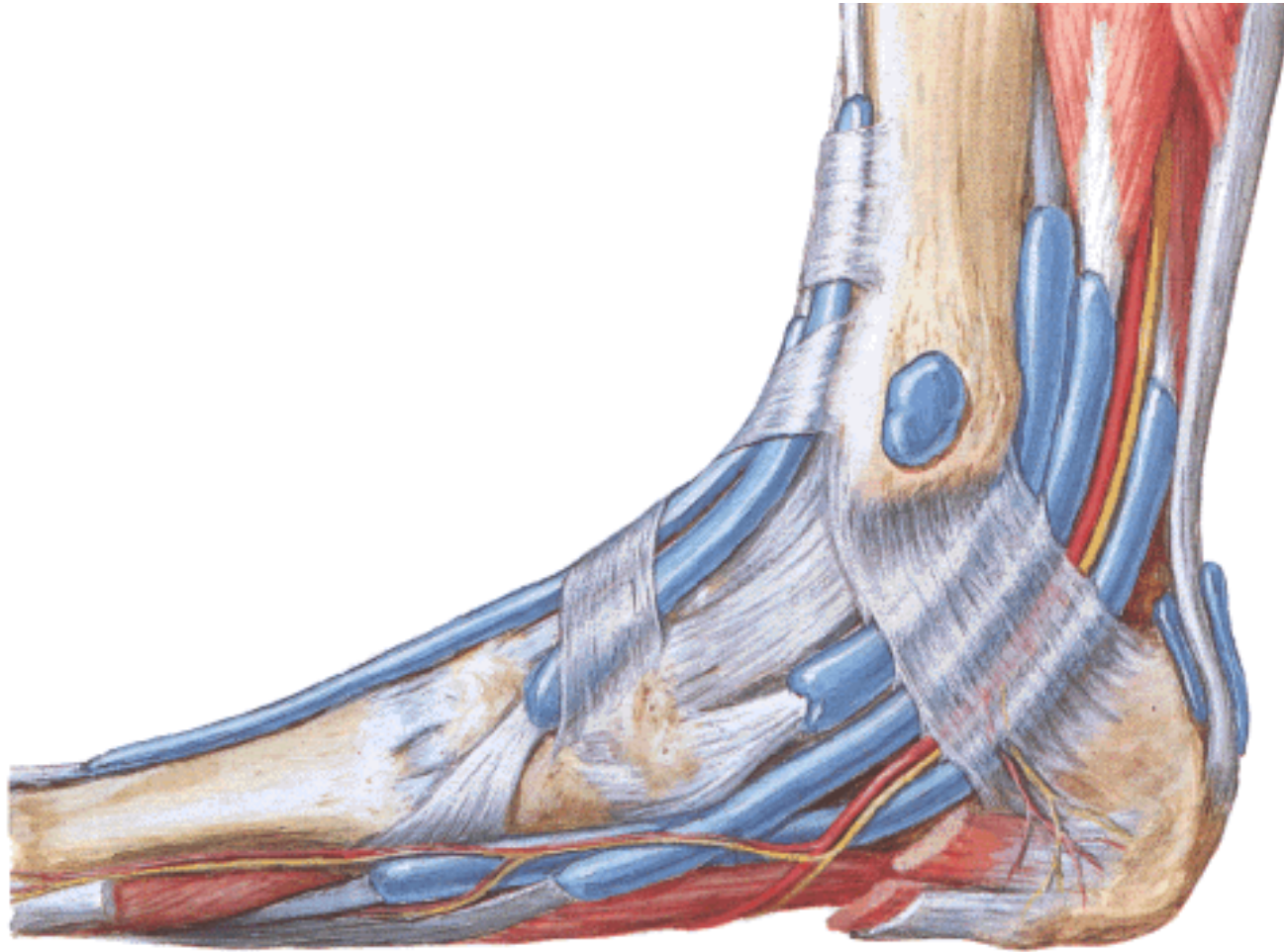
Deep Fascia of Posterior Compartment



Boundaries and Sub-divisions



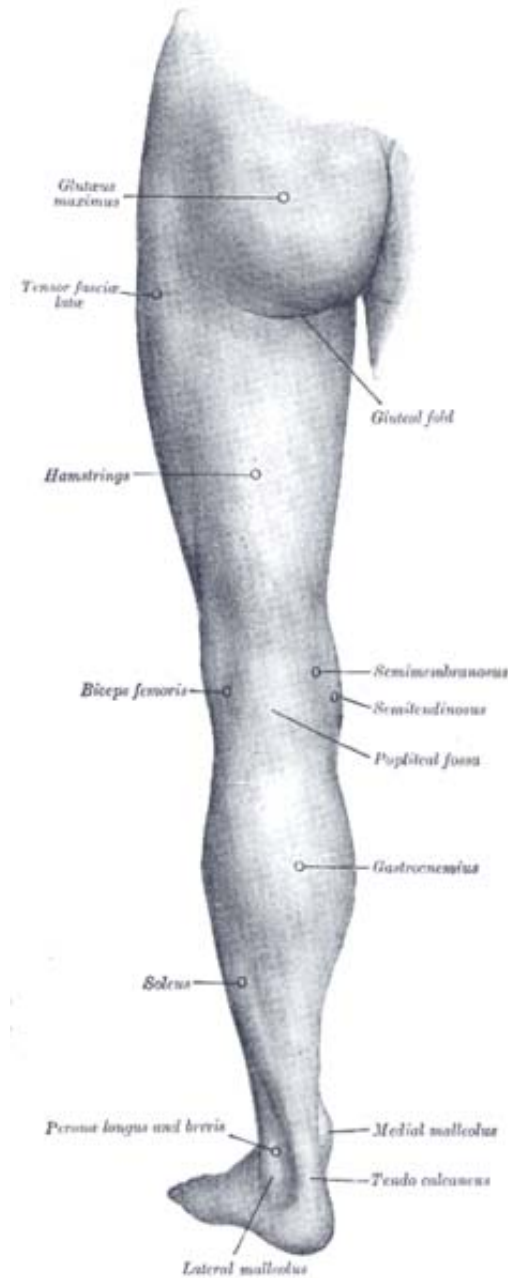
Flexor Retinaculum



Muscles of Posterior Compartment

I. Superficial Muscles

- a) Gastrocnemius
- b) Soleus
- c) Plantaris



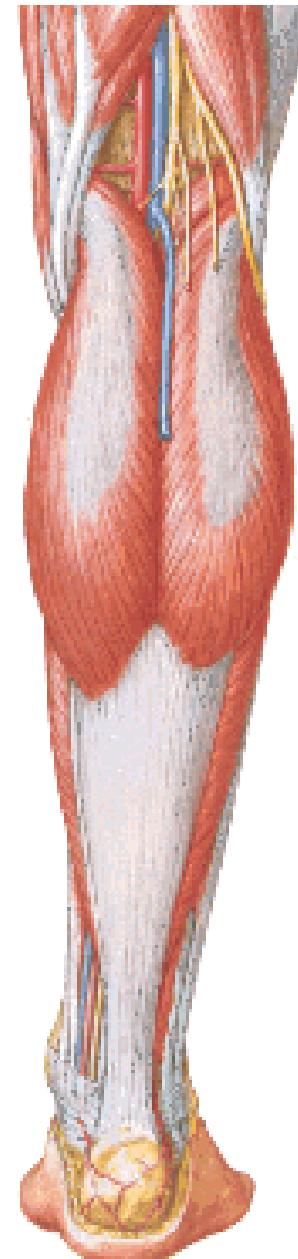
a) Gastrocnemius

Origin:- by 2 heads

- i. Lateral head- lateral aspect of lateral condyle of femur
- ii. Medial head- popliteal surface of femur above medial condyle

Insertion:-

Posterior surface of calcaneum
as **Tendo-calcaneus**



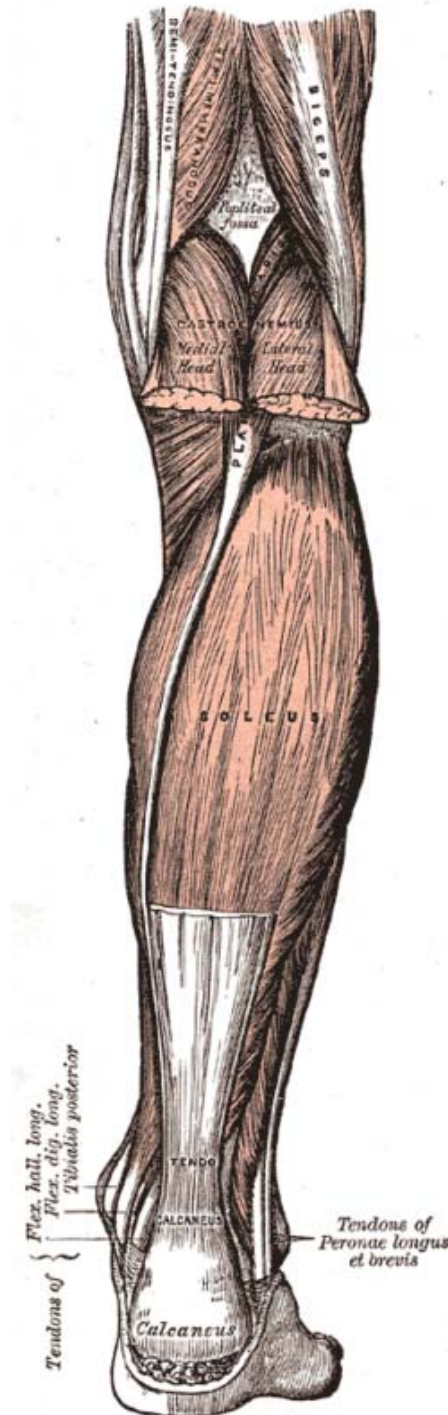
b) Soleus

Origin:-

- i. Inverted 'V' shaped from soleal line on tibia
- ii. Upper 1/4th of upper surface of shaft of fibula
- iii. Fibrous arch between these 2 bones

Insertion:-

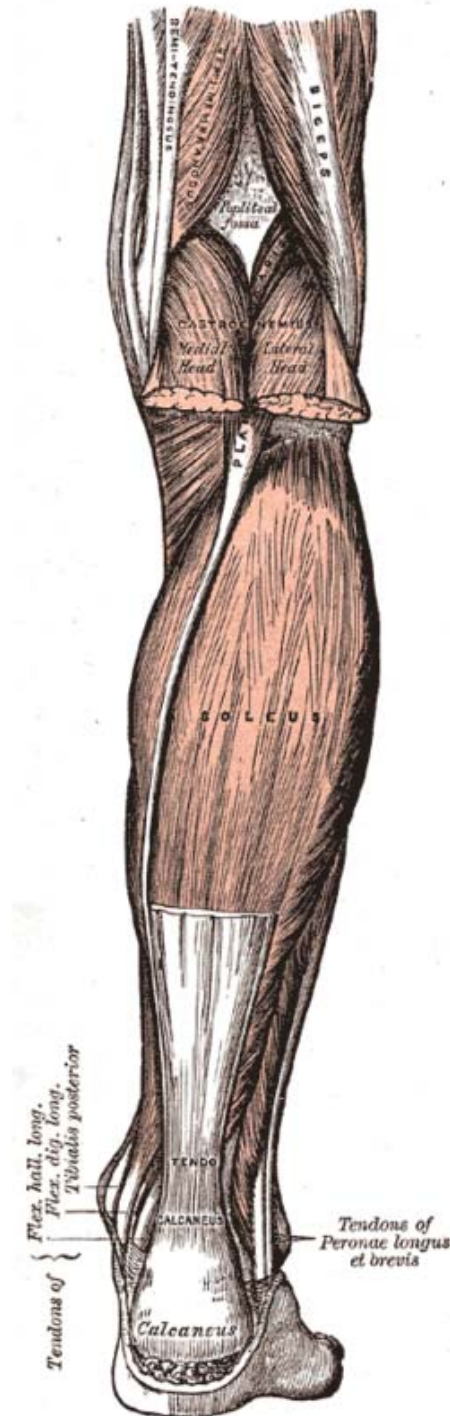
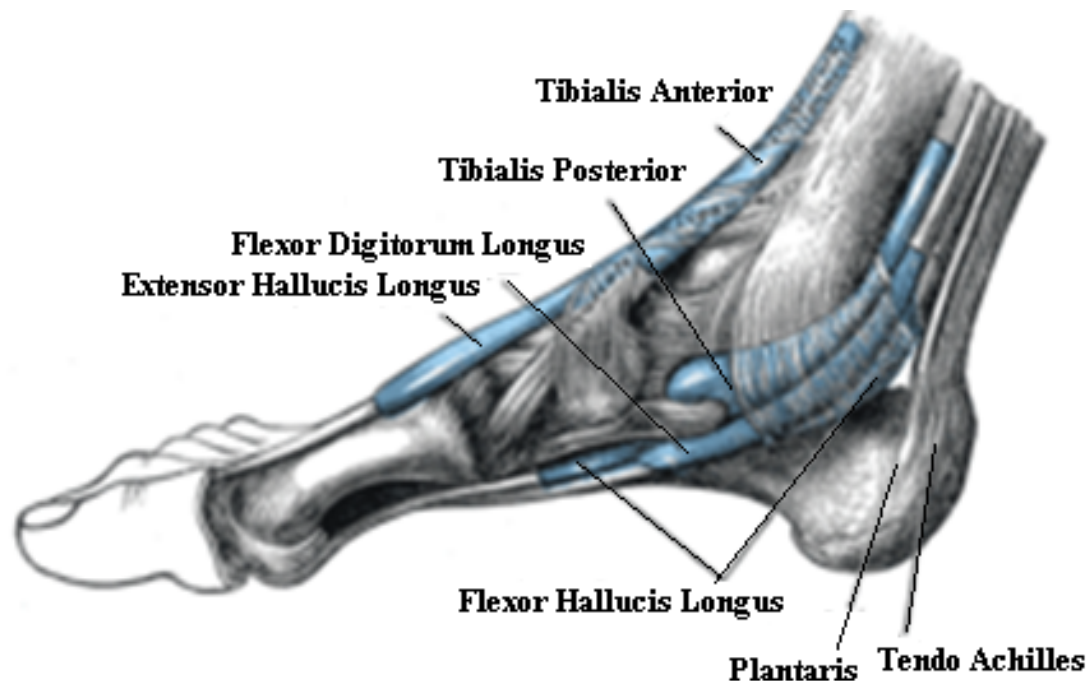
Posterior surface of calcaneum
as **Tendo-calcaneus**



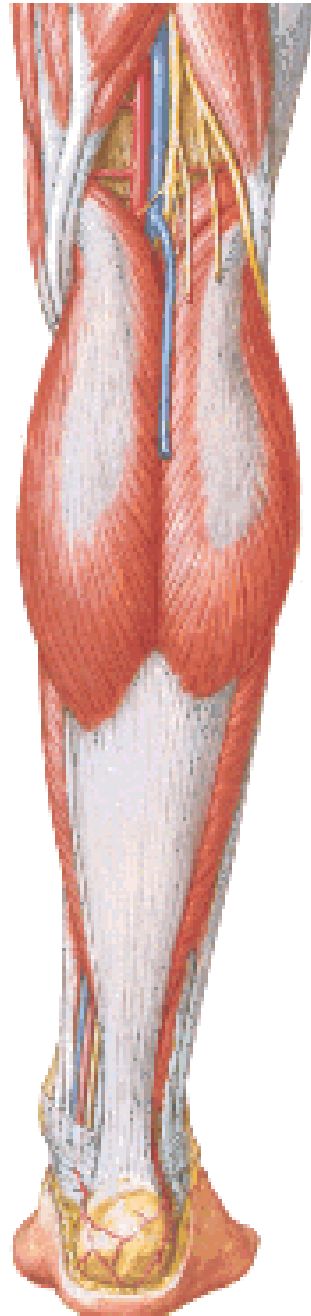
c) Plantaris- fusiform belly

Origin:- Lateral supracondylar ridge of femur

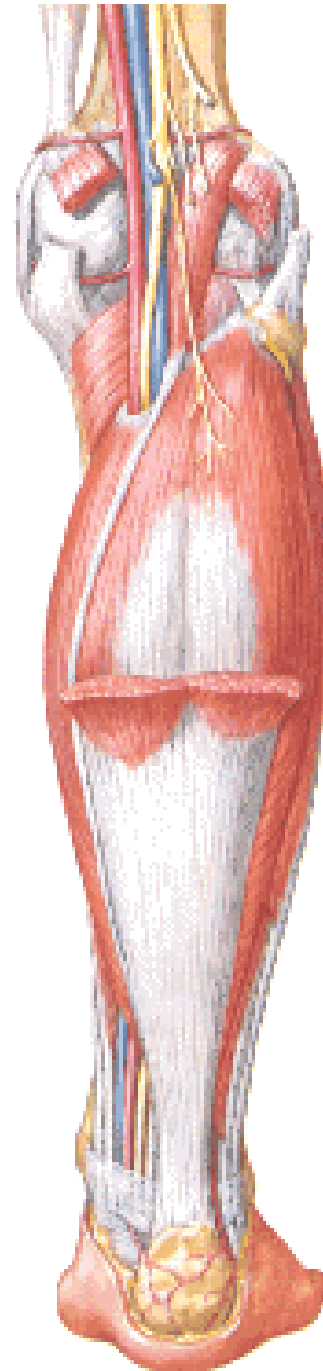
Insertion:- Posterior surface of calcaneum medial to Tendo-calcaneus



Superficial
Strata

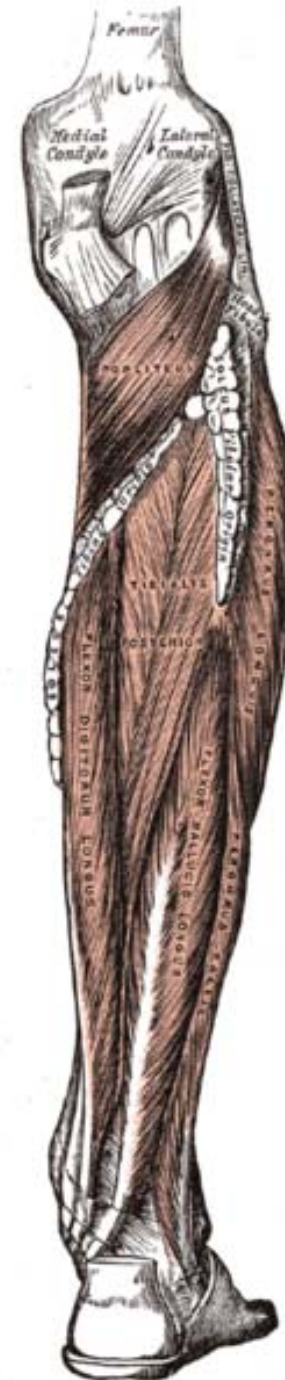


Deep Strata



I. Deep Muscles

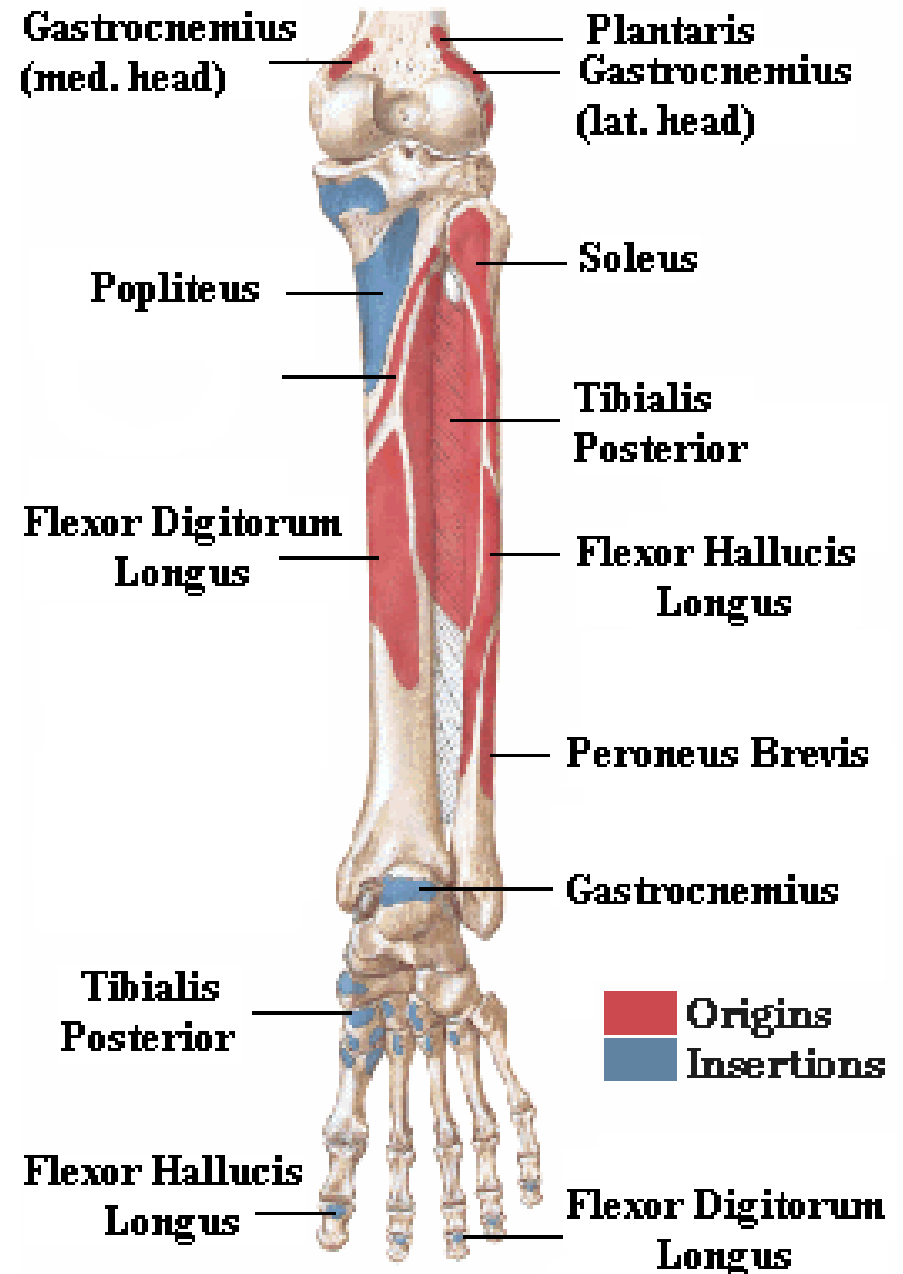
- a) Popliteus
- b) Flexor Digitorum Longus
- c) Flexor Hallucis Longus
- d) Tibialis Posterior



a) Popliteus

Origin:- Groove on lateral surface of lat. femoral condyle

Insertion:- Triangular area on posterior surface of tibia



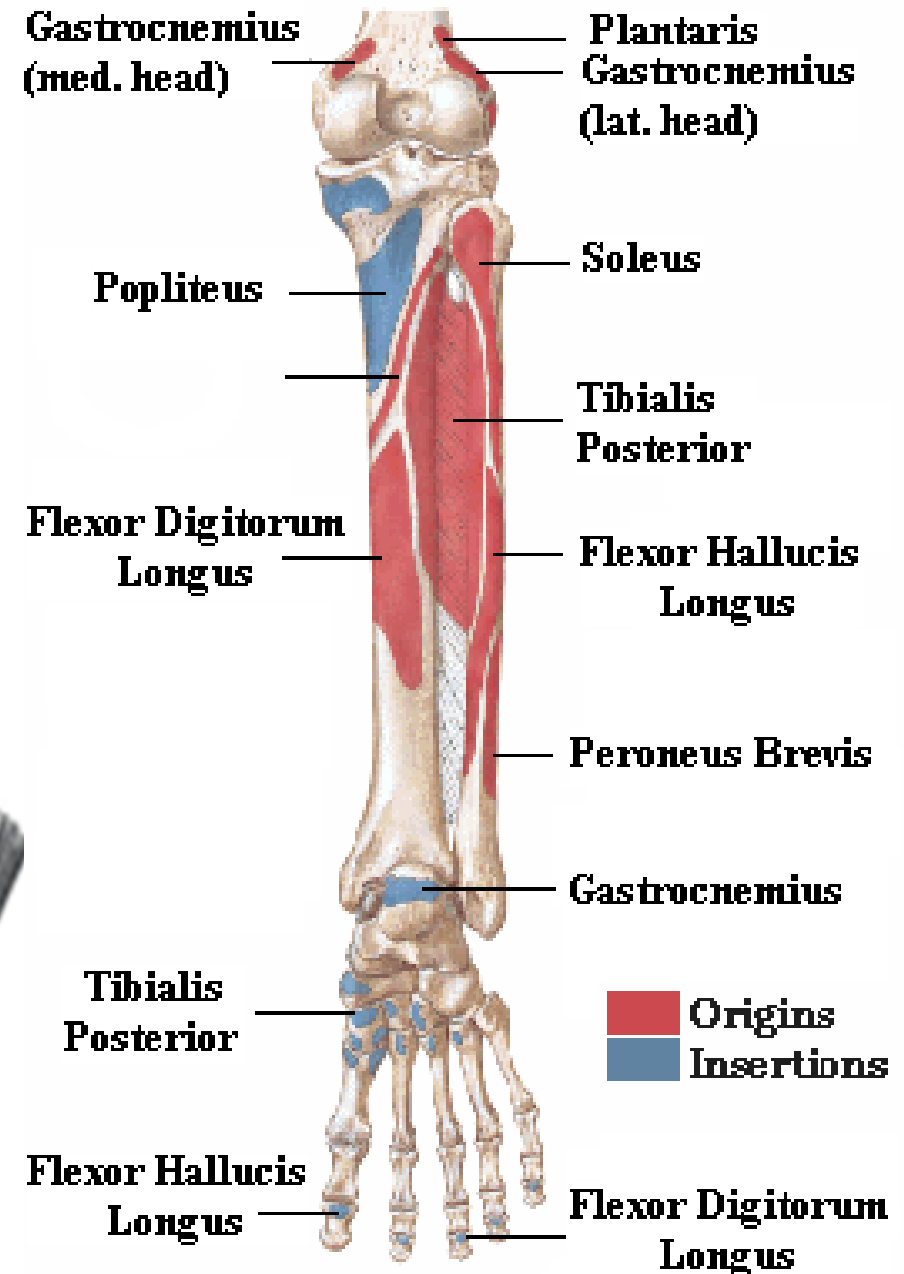
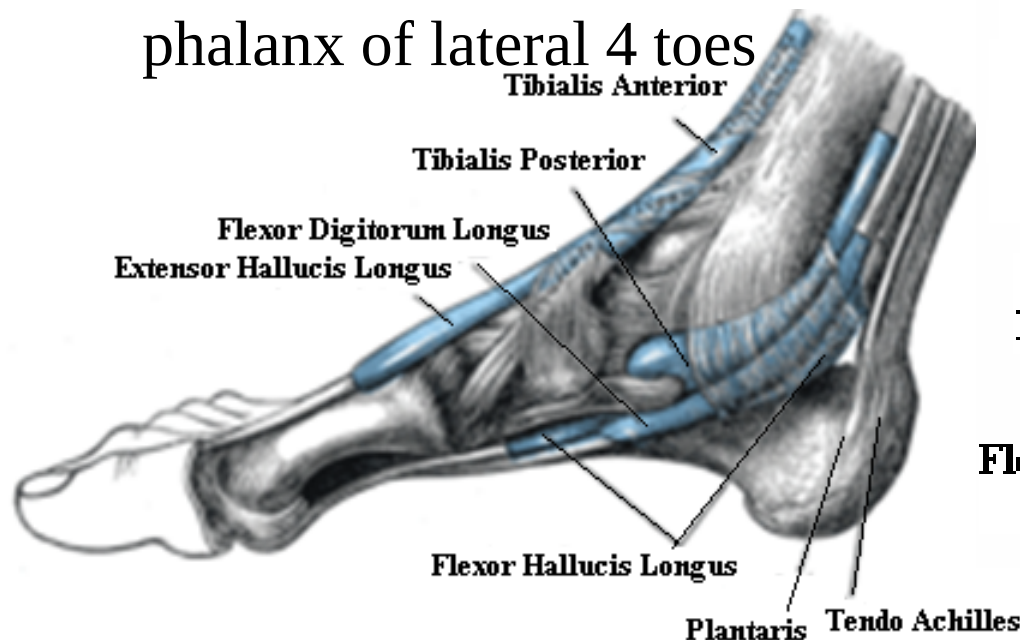
b) Flexor Digitorum Longus

Origin:-

- Upper 2/3rds of medial part of post. surface of tibia
- Fascia covering tibialis posterior

Insertion:-

Plantar surface of base of distal phalanx of lateral 4 toes



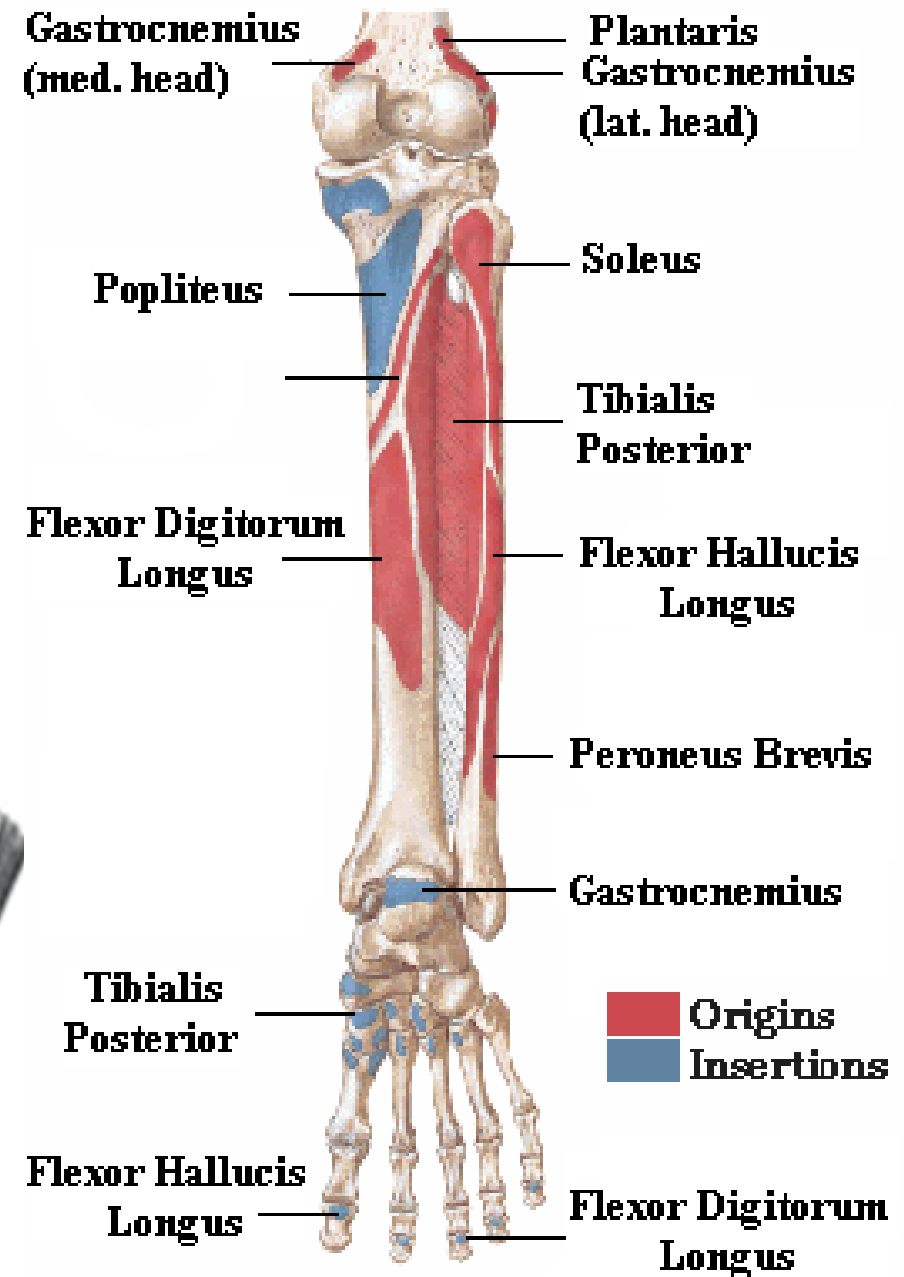
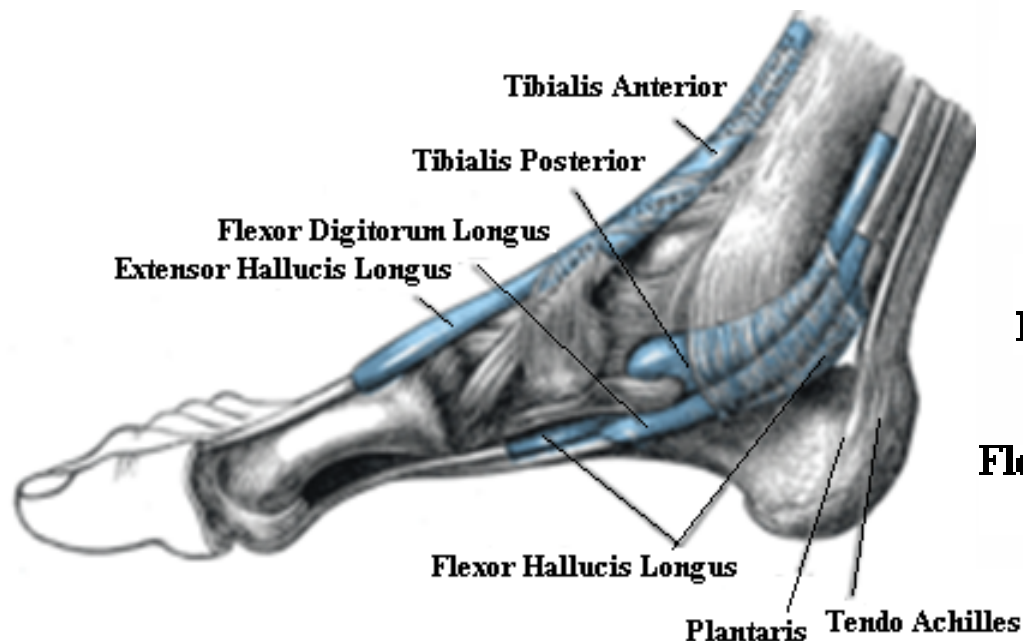
a) Flexor Hallucis Longus

Origin:-

- i. Lower 3/4th of post. surface of fibula
- ii. Interosseous membrane

Insertion:-

Plantar surface of base of distal phalanx of great toe



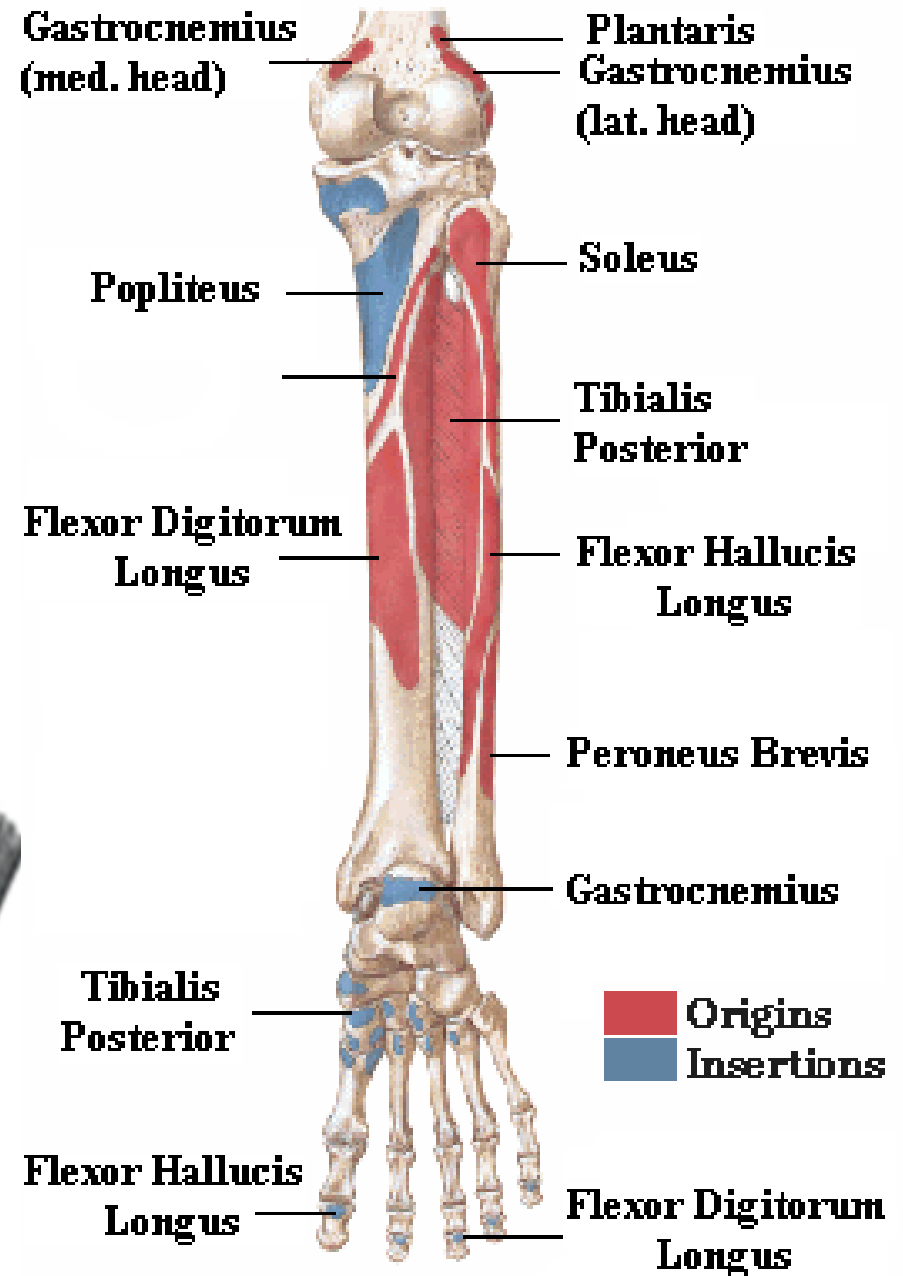
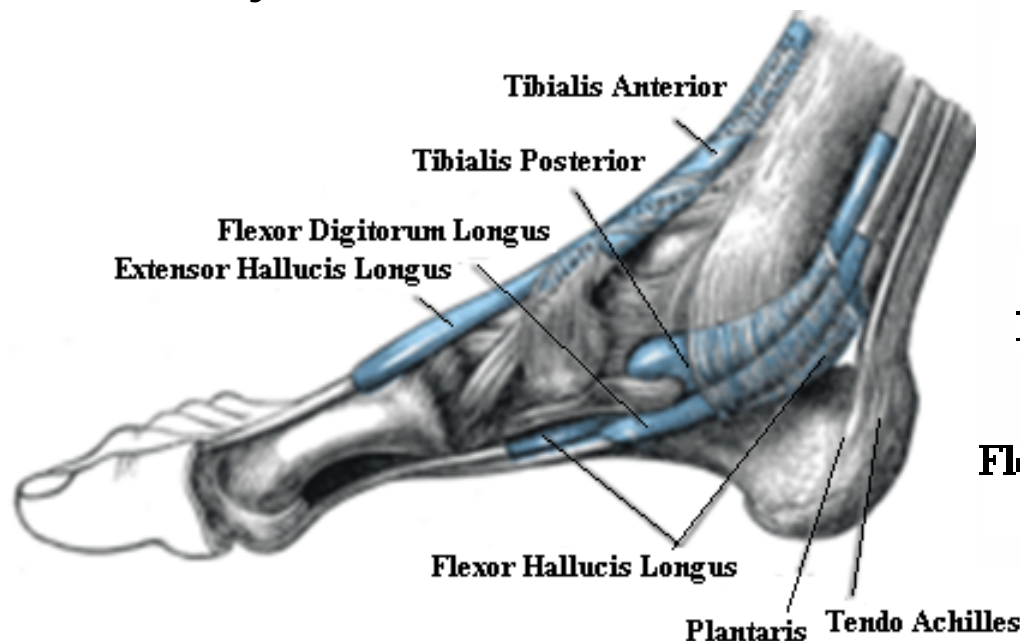
a) Tibialis Posterior

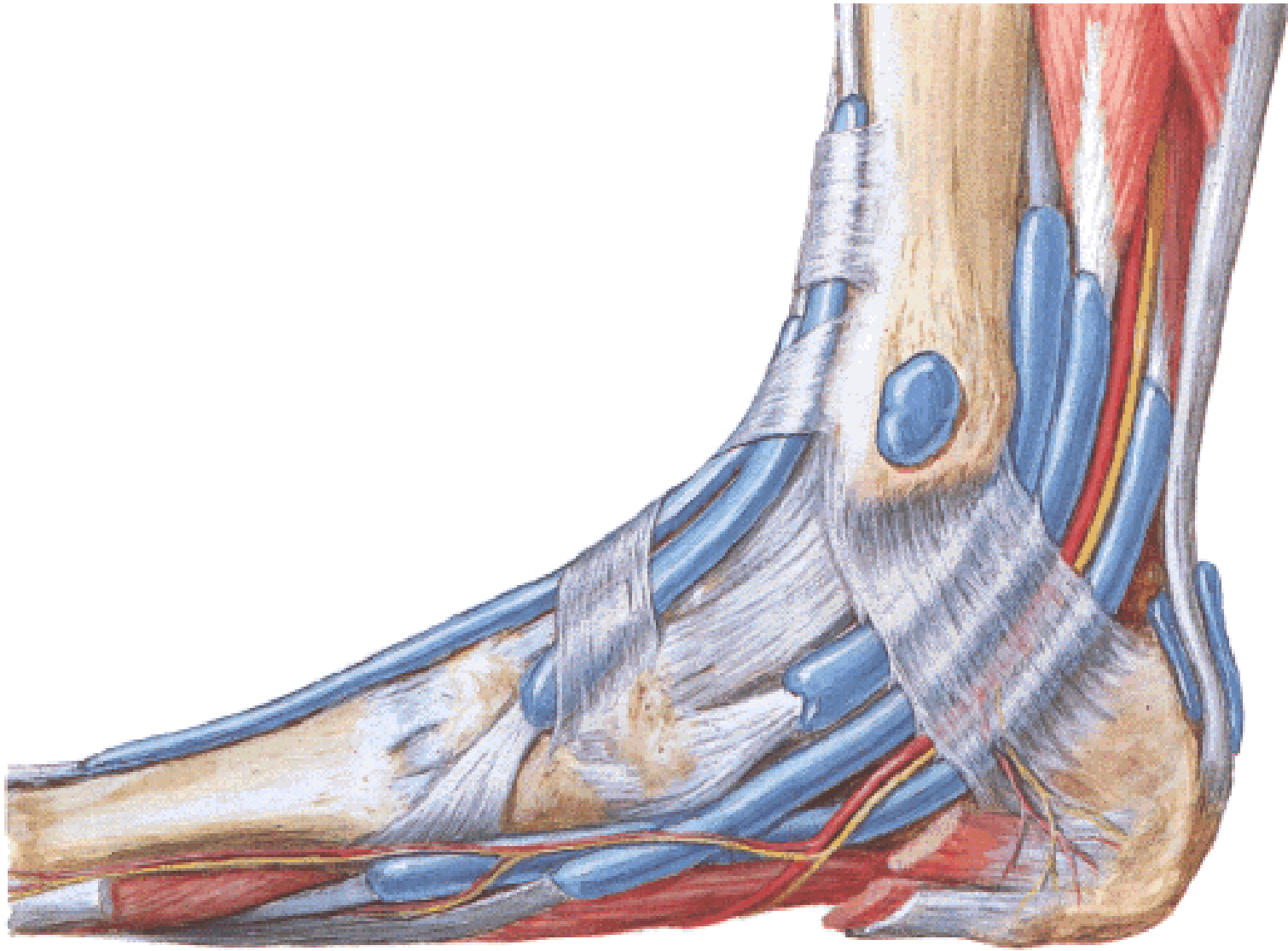
Origin:-

- i. Upper 2/3rds of lat. Part of posterior surface of tibia
- ii. Post. Surface of fibula and interosseous membrane

Insertion:-

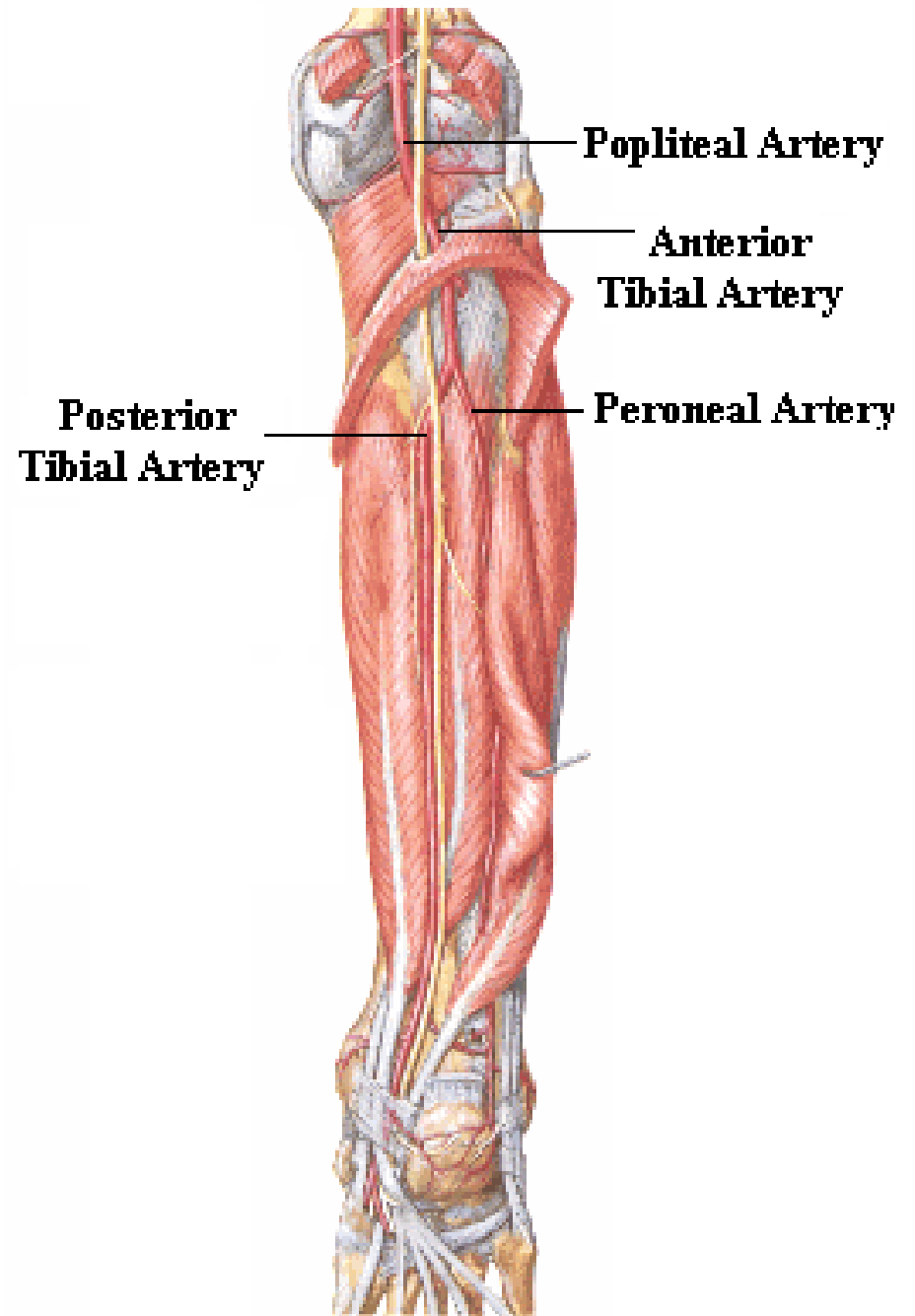
Tuberosity of navicular bone



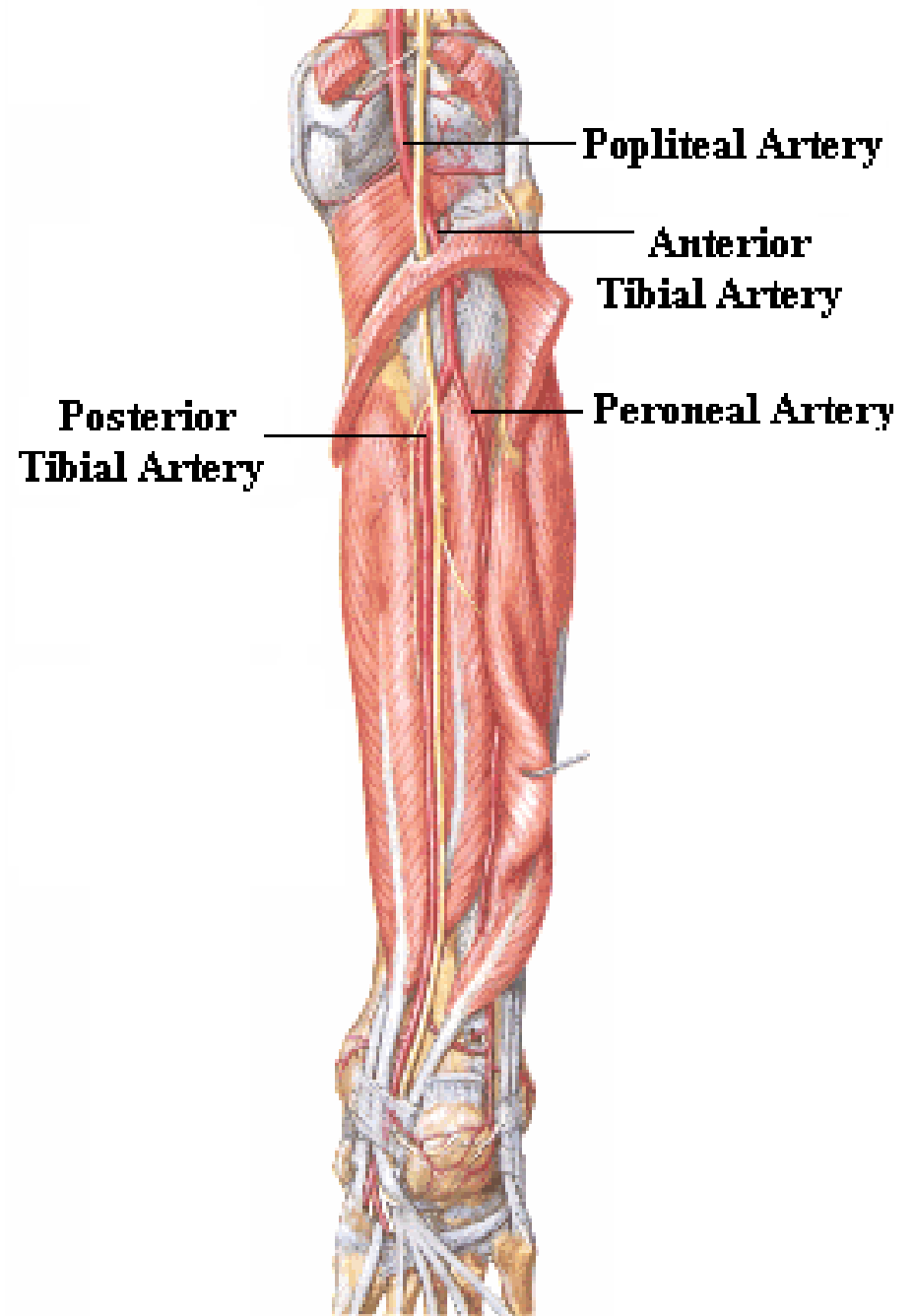


Posterior Tibial Artery

- Larger terminal branch of Popliteal artery
- Branches:-
 - a. Circumflex fibular artery
 - b. Peroneal artery:- branches-
 - i. Muscular branches
 - ii. Nutrient branch to fibula
 - iii. Communicating branch to Post. Tibial artery
 - iv. Perforating branch- forms **Lateral Malleolar Network**
 - v. Lateral Calcaneal artery

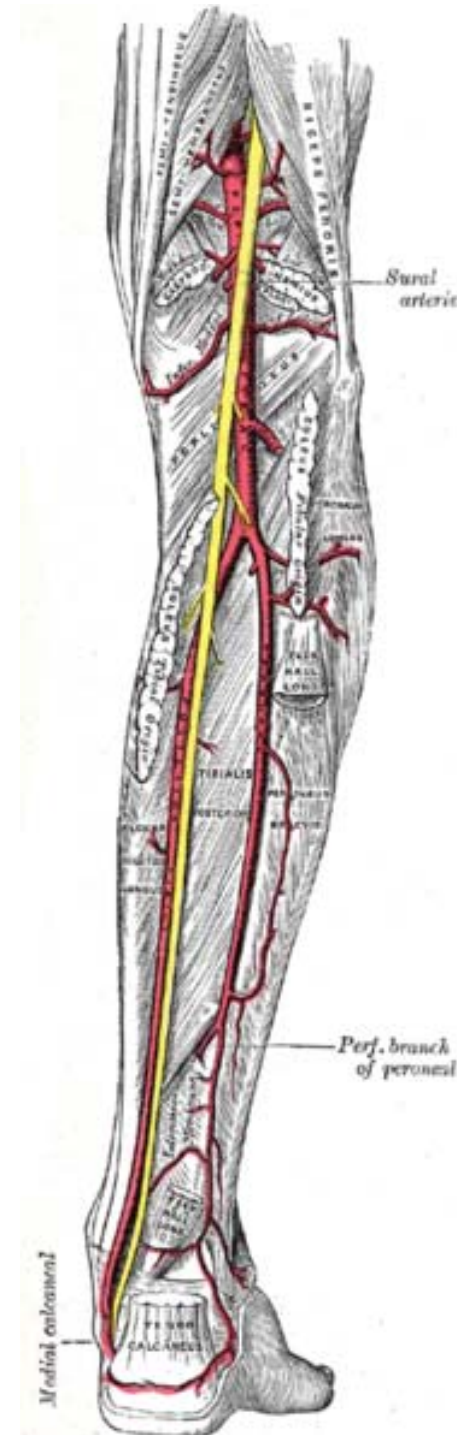


- c. Nutrient artery
- d. Muscular branches
- e. Medial malleolar branch-
Medial malleolar network
- f. Calcaneal branch
- g. Medial plantar artery
- h. Lateral plantar artery



Tibial Nerve

- Larger terminal branch of Sciatic Nerve
- Superficial to popliteal branches
- Extends from superior to inferior angle of popliteal fossa



- Branches of Tibial nerve
 - a. Muscular branches
 - b. Cutaneous- Medial calcaneal branches
 - c. Articular- to knee joint

