

## LEG

Marc Revol (2010)

### 3 compartments

(one compartment, one nerve)

- Anterior (extensor) : *deep peroneal nerve*
- Lateral (peroneal) : *superficial peroneal nerve*
- Posterior (flexor) : *tibial nerve*

### Anterior compartment

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

### Lateral compartment

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

### Posterior compartment

2 groups separated by the deep transverse fascia :

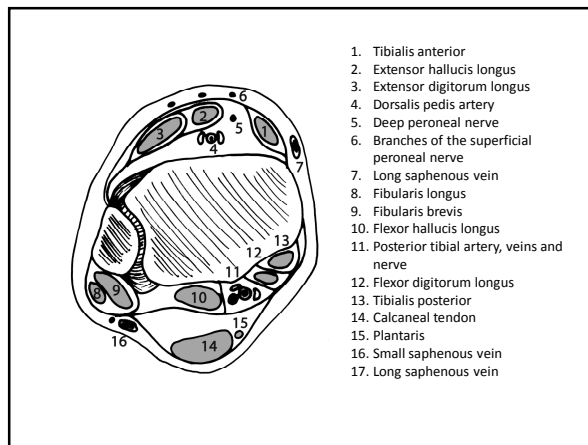
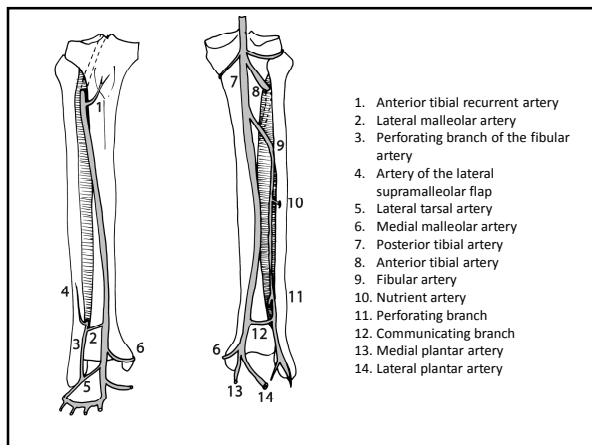
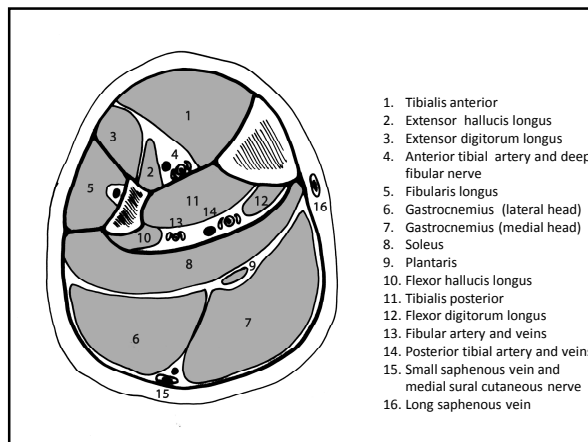
- Superficial flexor group :
  - Triceps surae (gastrocnemius + soleus)
  - Plantaris
- Deep flexor group
  - Popliteus
  - Flexor digitorum longus
  - Flexor hallucis longus
  - Tibialis posterior

### Vascular supply

- **Anterior tibial artery**
  - Posterior tibial recurrent artery
  - Anterior tibial recurrent artery
  - Perforating branches to the fascia
  - Anterior medial malleolar artery
  - Anterior lateral malleolar artery
- **Posterior tibial artery**
  - Circumflex fibular artery
  - Muscular and perforating branches
  - Communicating branch to the peroneal artery
  - Medial malleolar branches
  - Calcaneal branches
  - Medial and lateral plantar arteries
- **Peroneal artery**
  - Muscular and perforating branches
  - Communicating branch
  - Calcaneal branches

## Innervation

- Tibial nerve
- Common peroneal nerve
  - Superficial peroneal nerve
  - Deep peroneal nerve
- Saphenous nerve (< femoral nerve)
- Sural nerve :
  - Medial sural cutaneous nerve (< tibial nerve)
  - Lateral sural cutaneous nerve (< common peroneal nerve)



## sources

**GRAY'S ANATOMY. The anatomical basis of clinical practice**  
 Elsevier Churchill Livingstone, 39th edition, 2005 (1627 p)

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 Sauramps Médical, 2<sup>ème</sup> édition, 2009 (874 p)