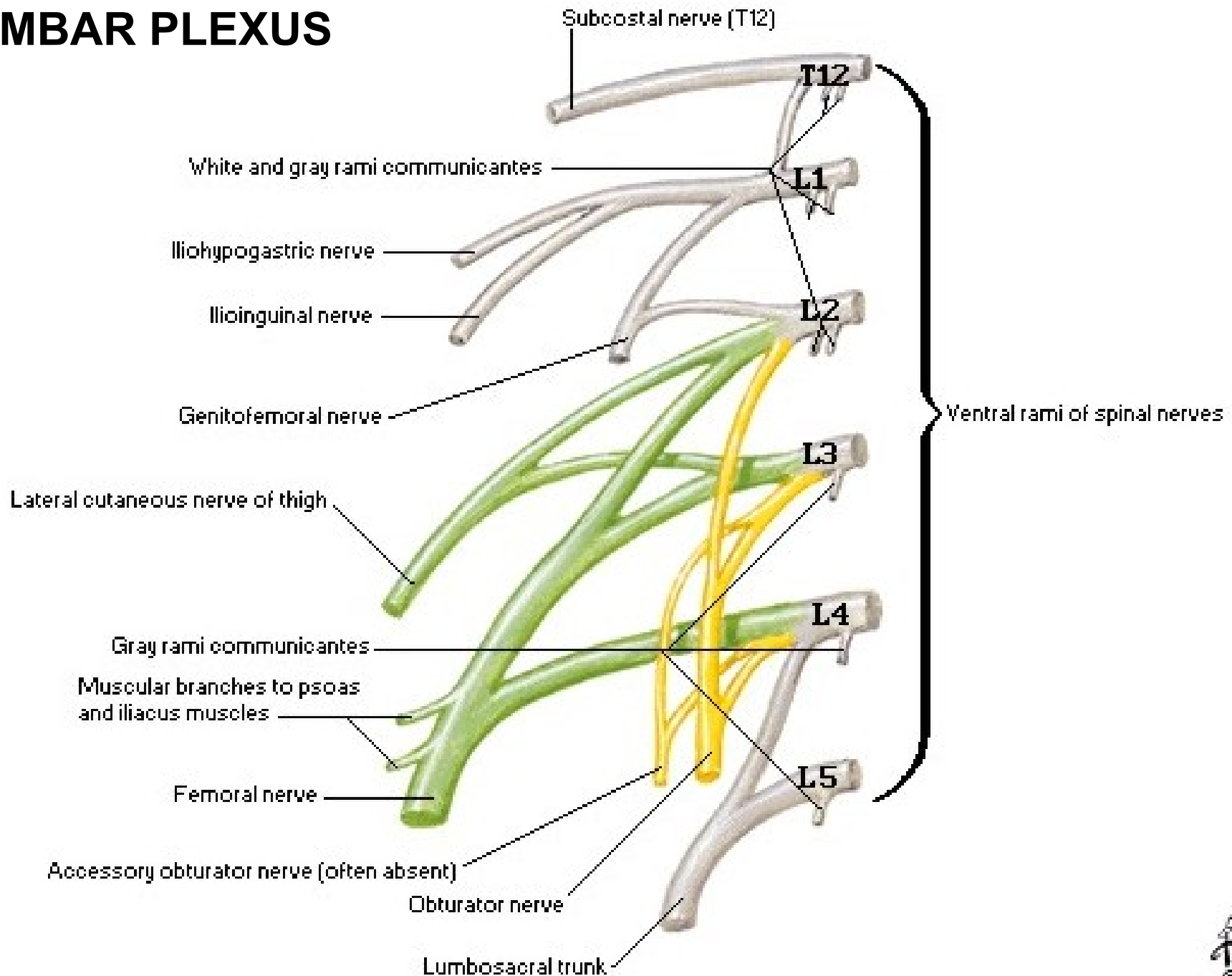


PLEXUS LUMBALIS (T12 – L4)

LUMBAR PLEXUS



PLEXUS LUMBALIS

Rr. musculares

N. iliohypogastricus

N. ilioinguinalis

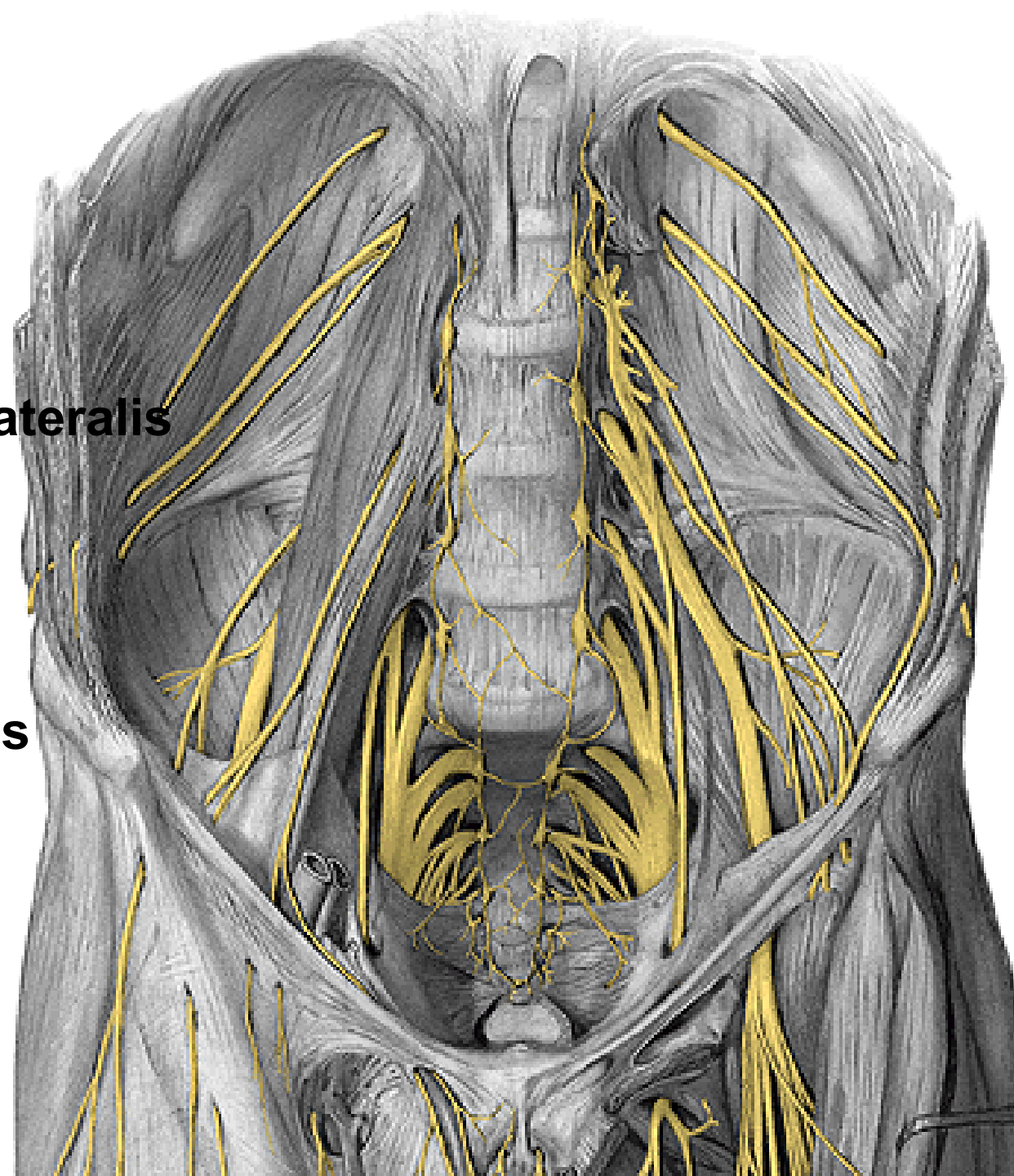
N. genitofemoralis

N. cutaneus femoris lateralis

N. femoralis

N. obturatorius

Truncus lumbosacralis

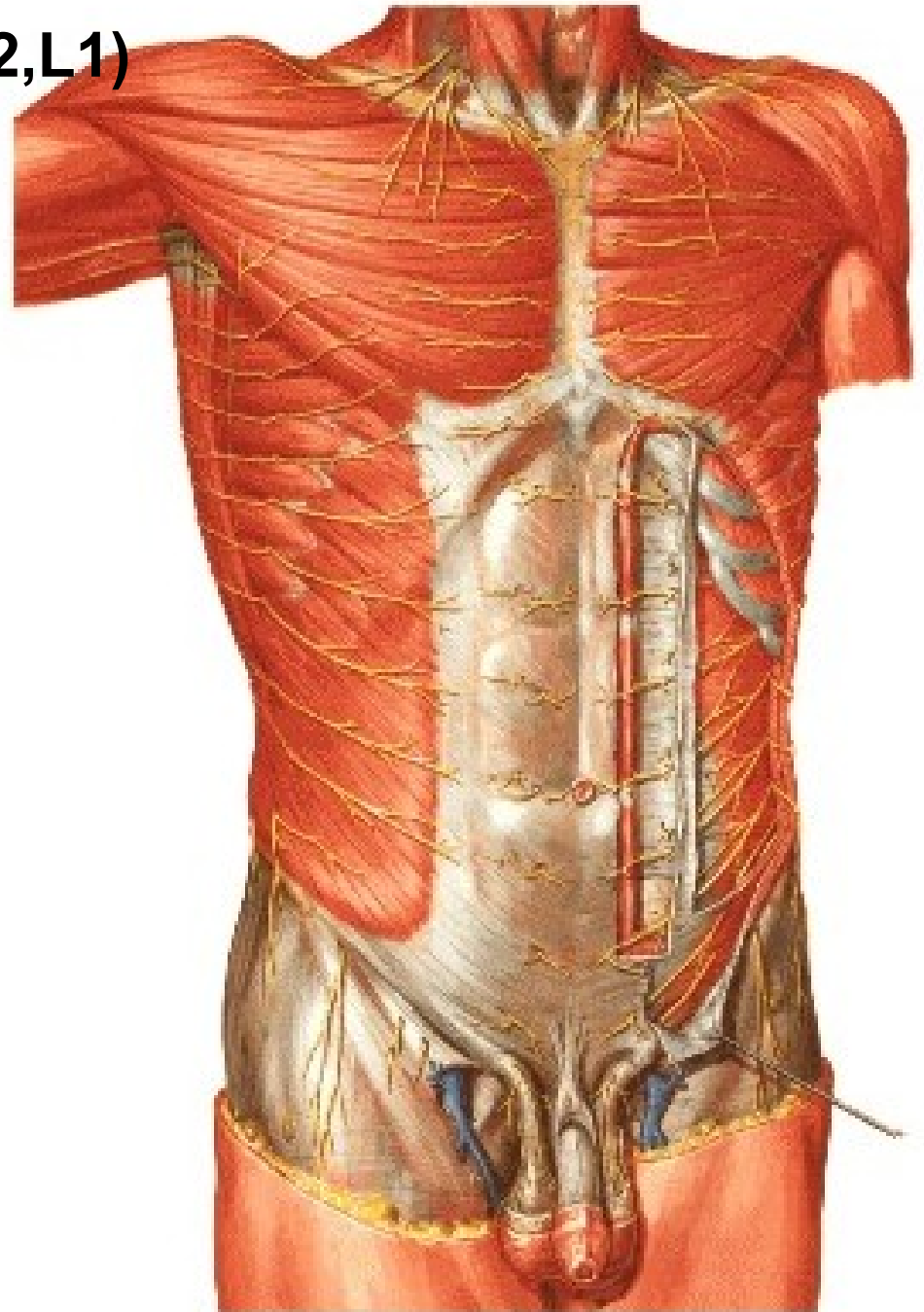


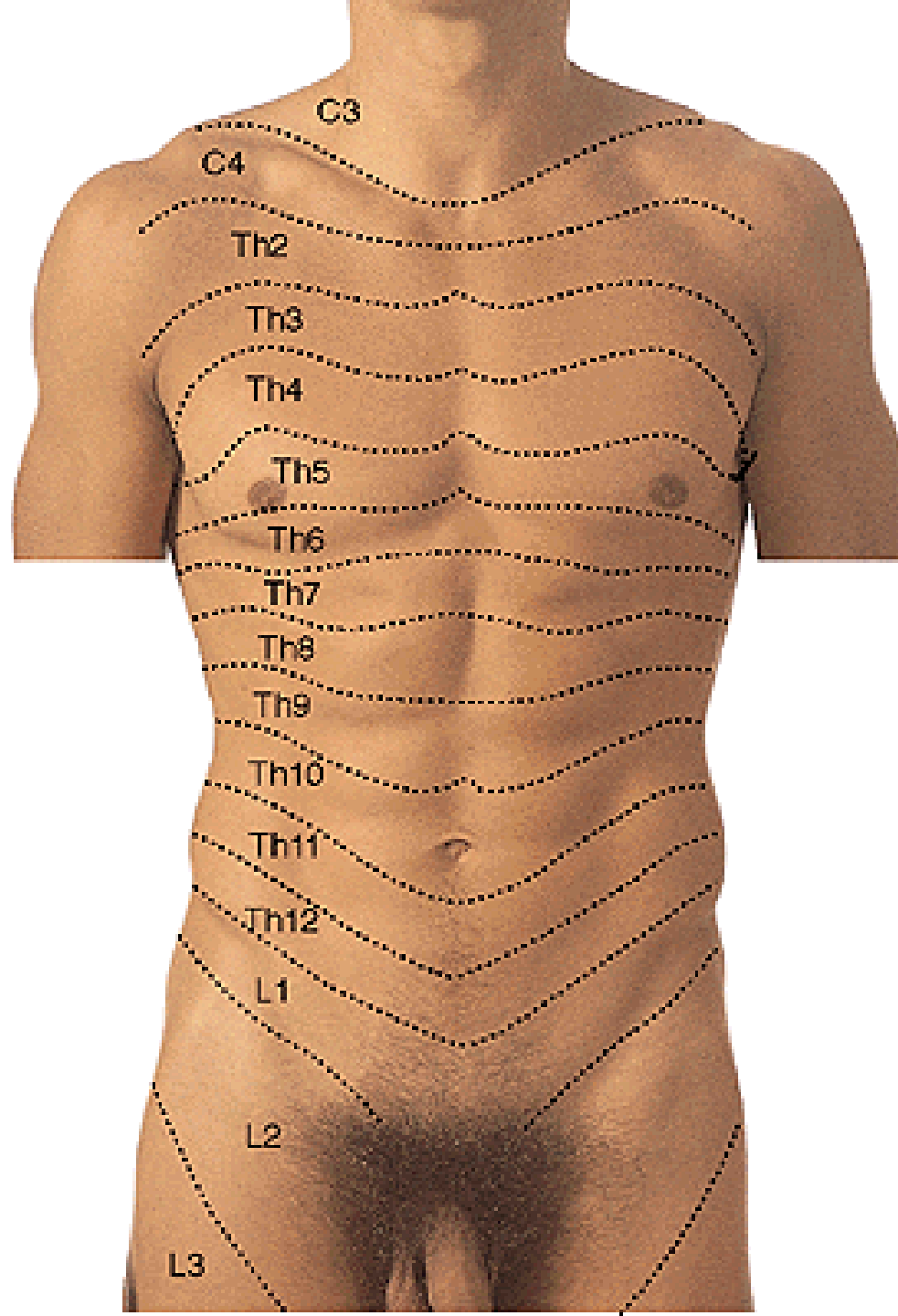
N. ILIOHYPOGASTRICUS (T12,L1)

- rr. musculares
- r. cutaneus lateralis
- r. cutaneus medialis

N. ILIOINGUINALIS (L1)

- rr. scrotales (labiales)





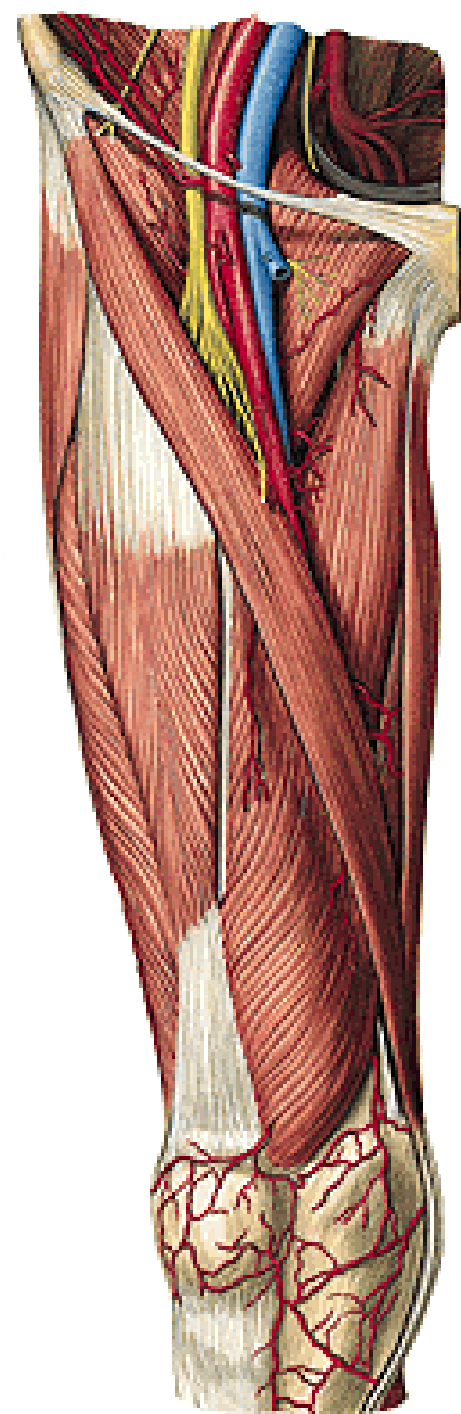
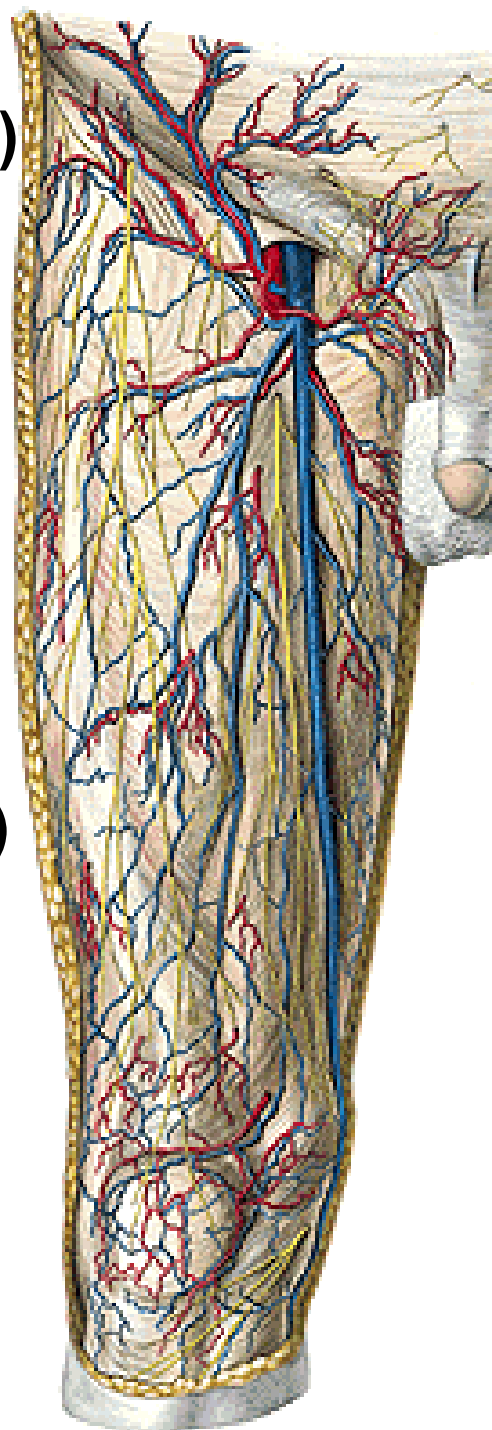
N. GENITOFEMORALIS (L1,L2)

- r. genitalis
- r. femoralis

N. CUTANEUS FEMORIS LATERALIS (L2,L3)

N. FEMORALIS

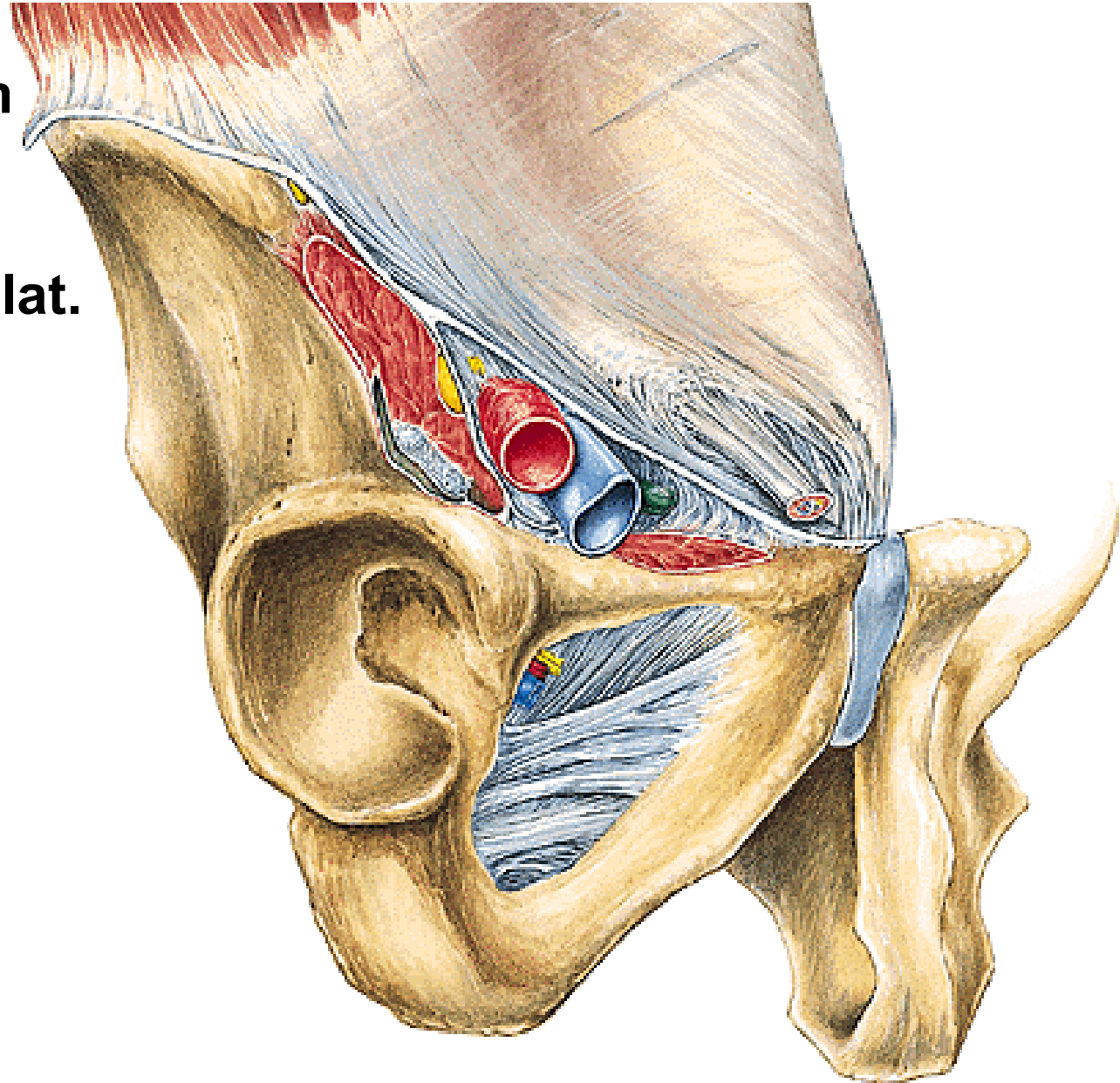
- rr. cutanei anteriores (L2-L4)

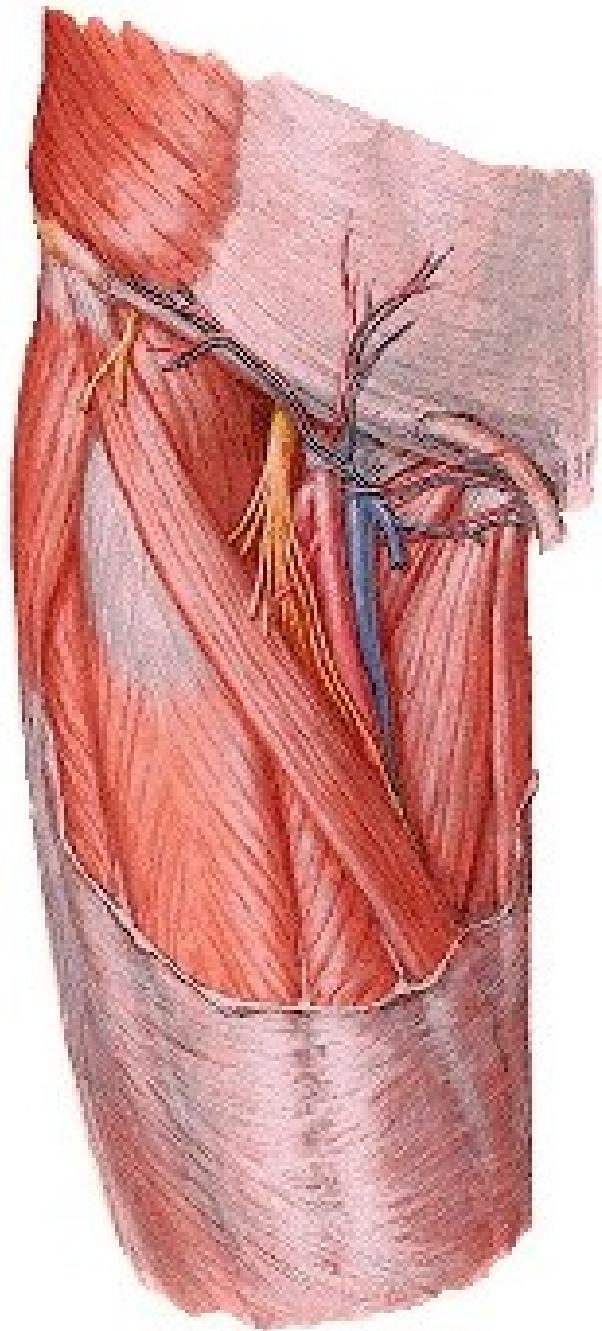


Lacuna musculorum

N. femoralis

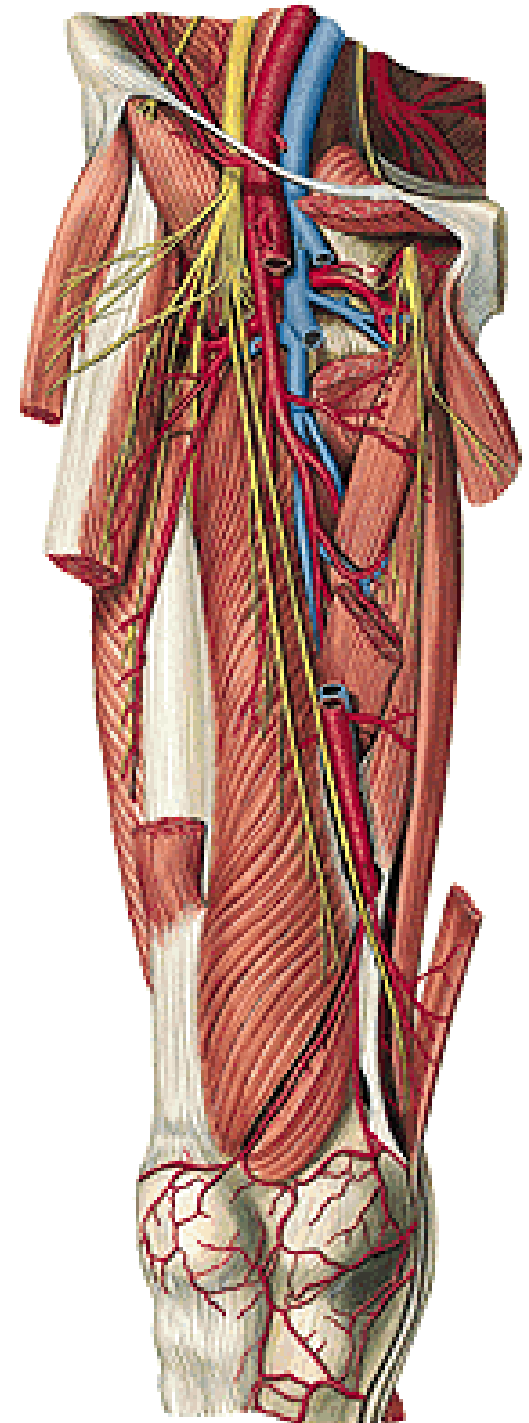
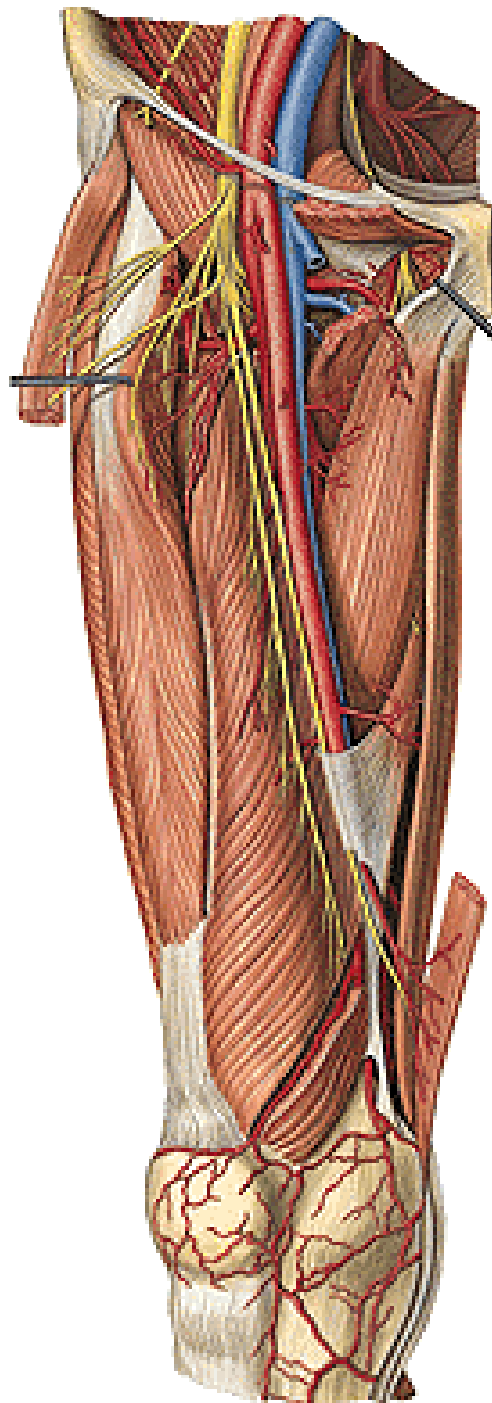
N. cutaneus femoris lat.

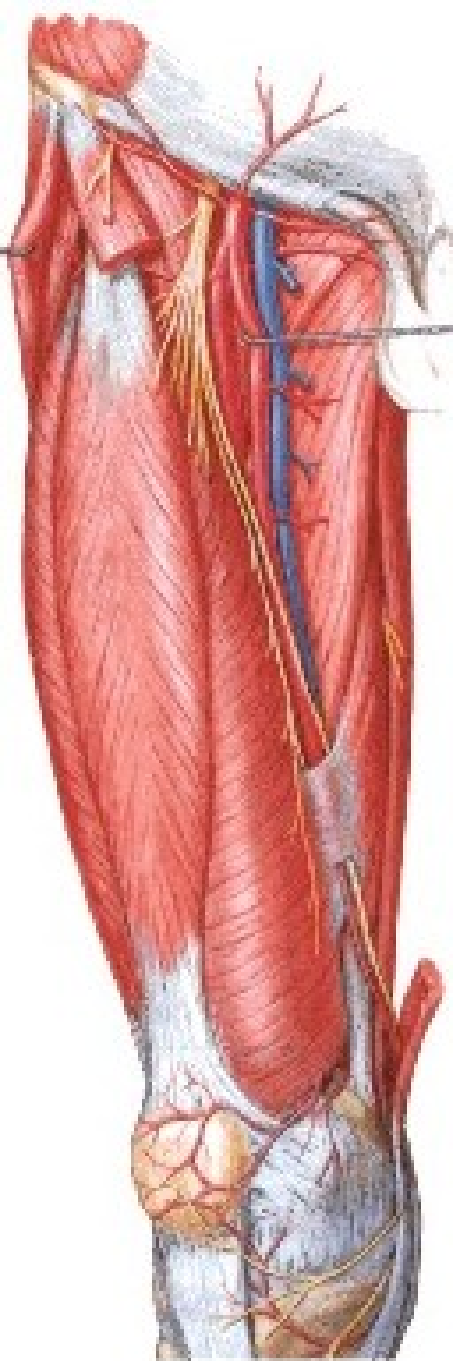




N. FEMORALIS

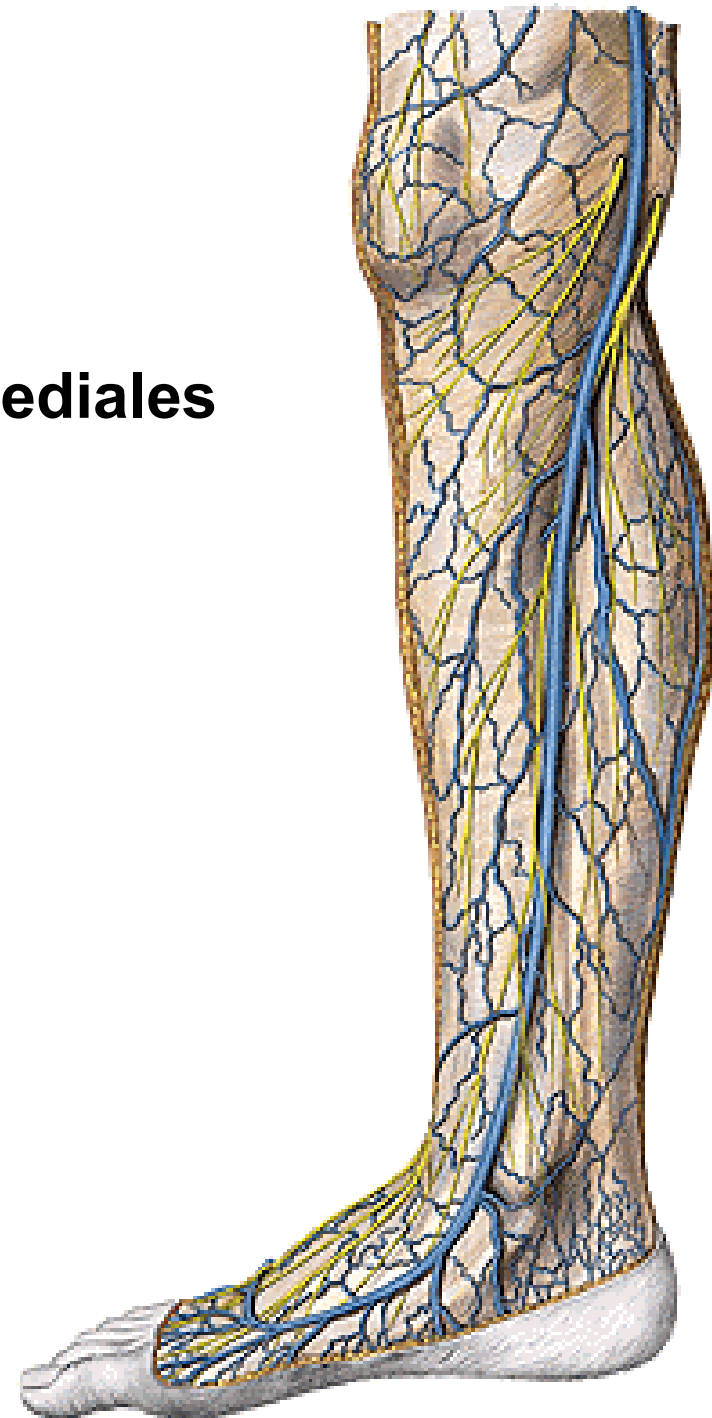
- rr. musculares
- n. saphenus





N. saphenus

- r. infrapatellaris
- rr. cutanei cruris mediales

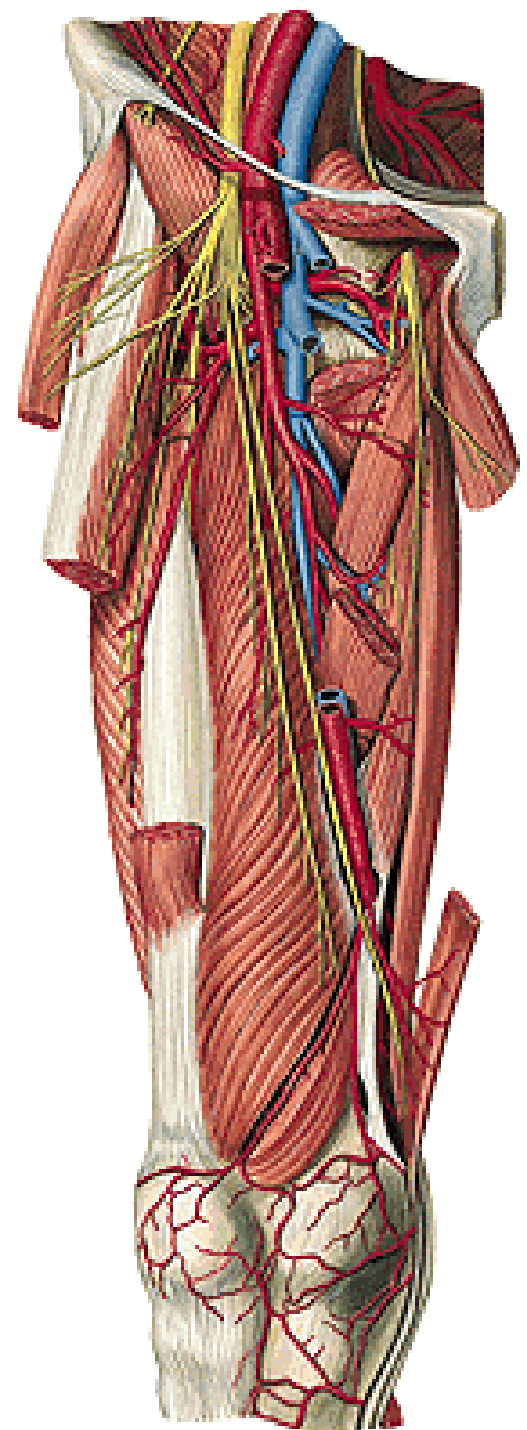
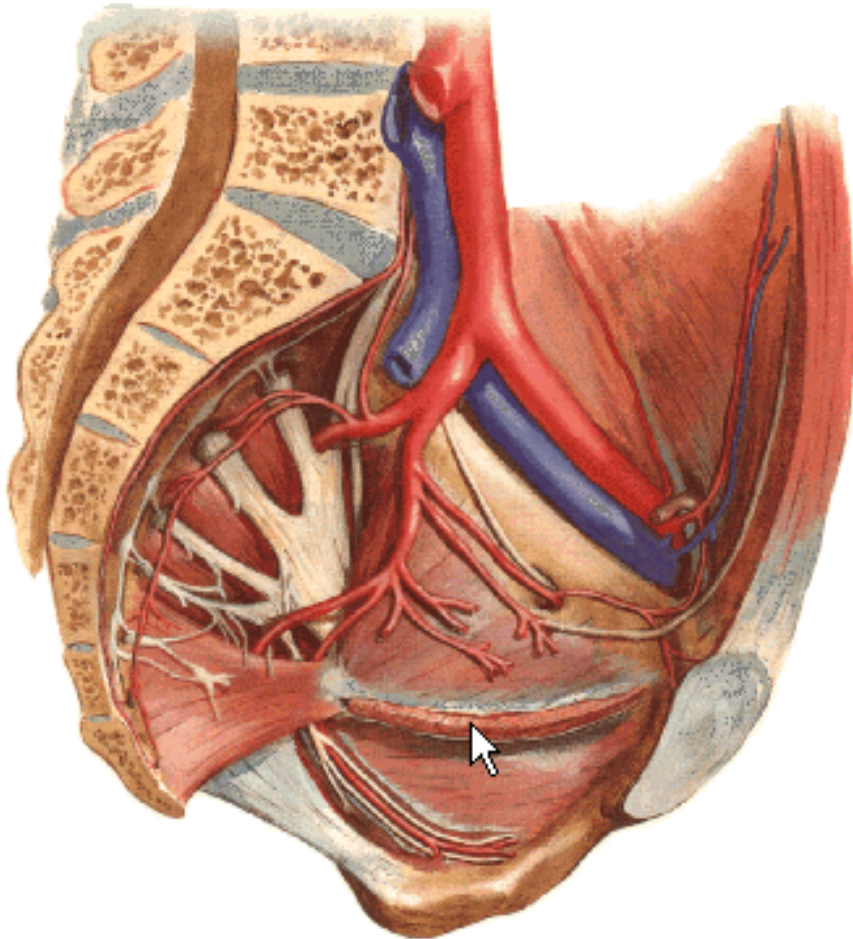


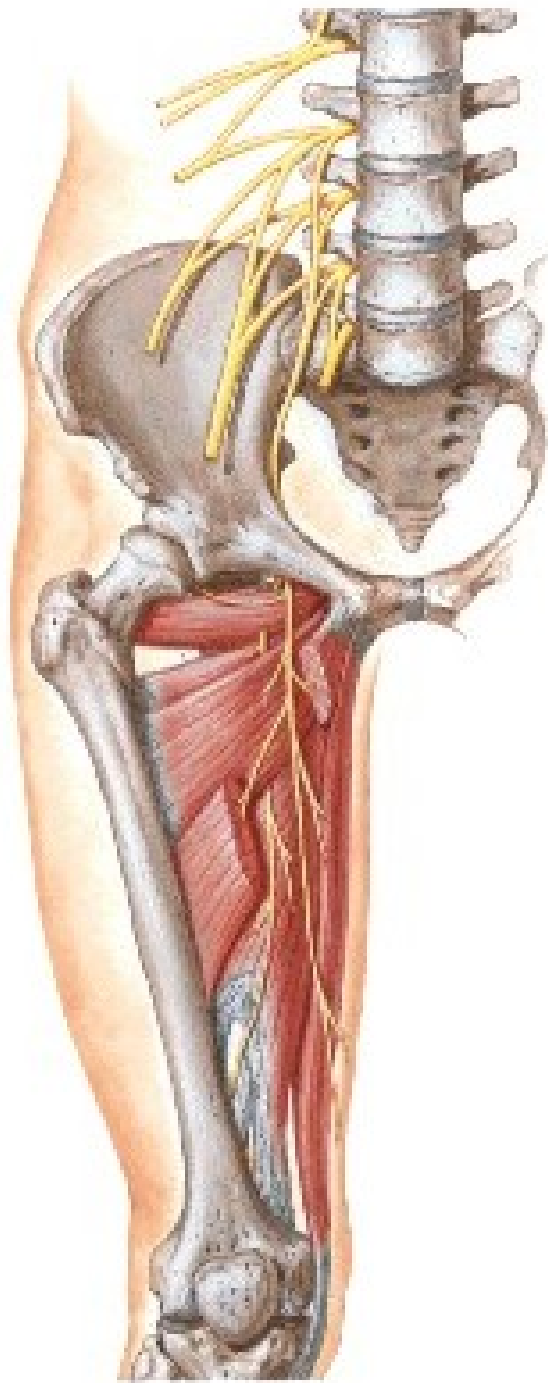


N. cutaneus femoris lat.
N. femoralis

N. OBTURATORIUS (L2-L4)

- r. anterior – r. cutaneus
- r. posterior – r. articularis

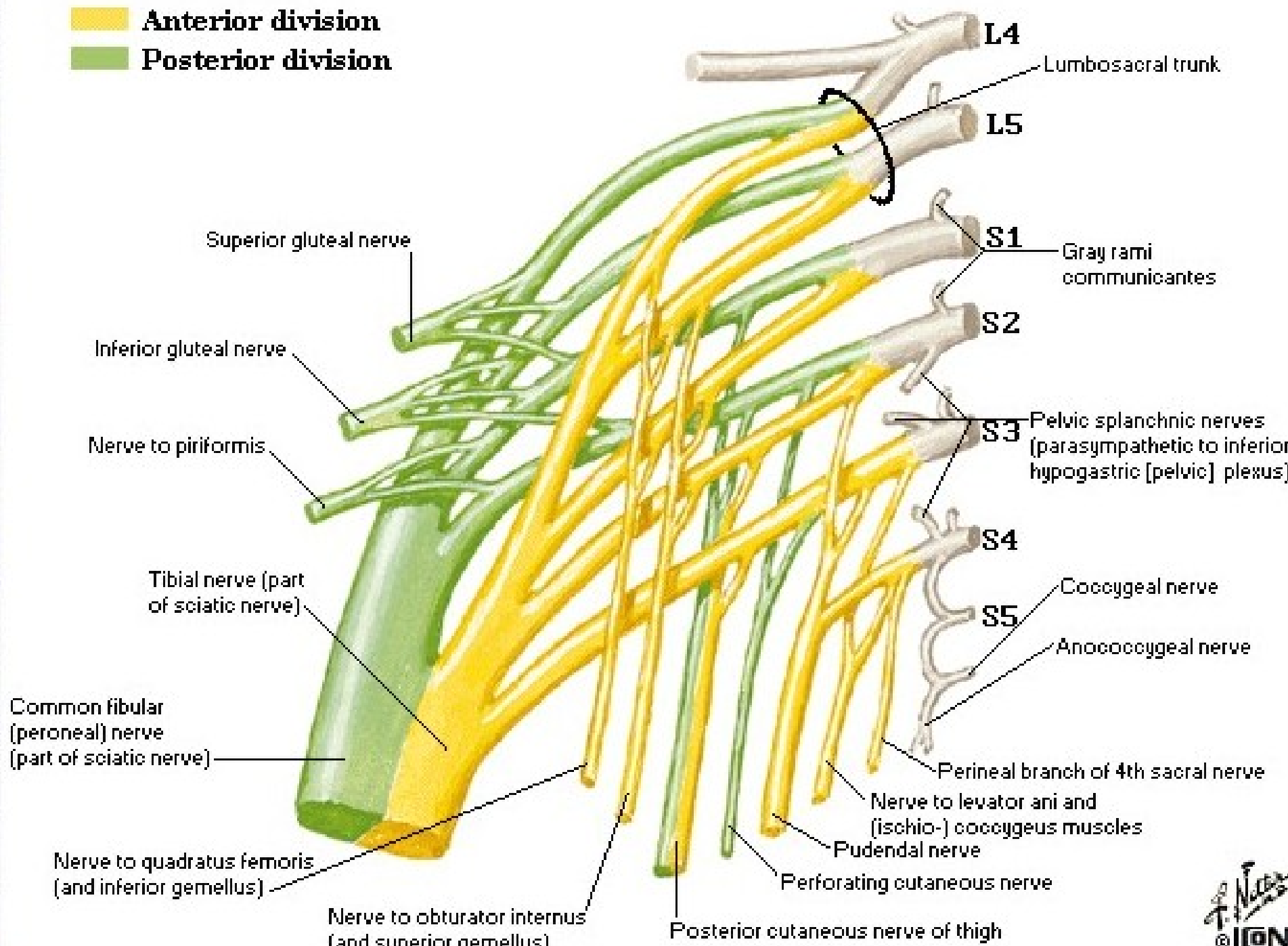


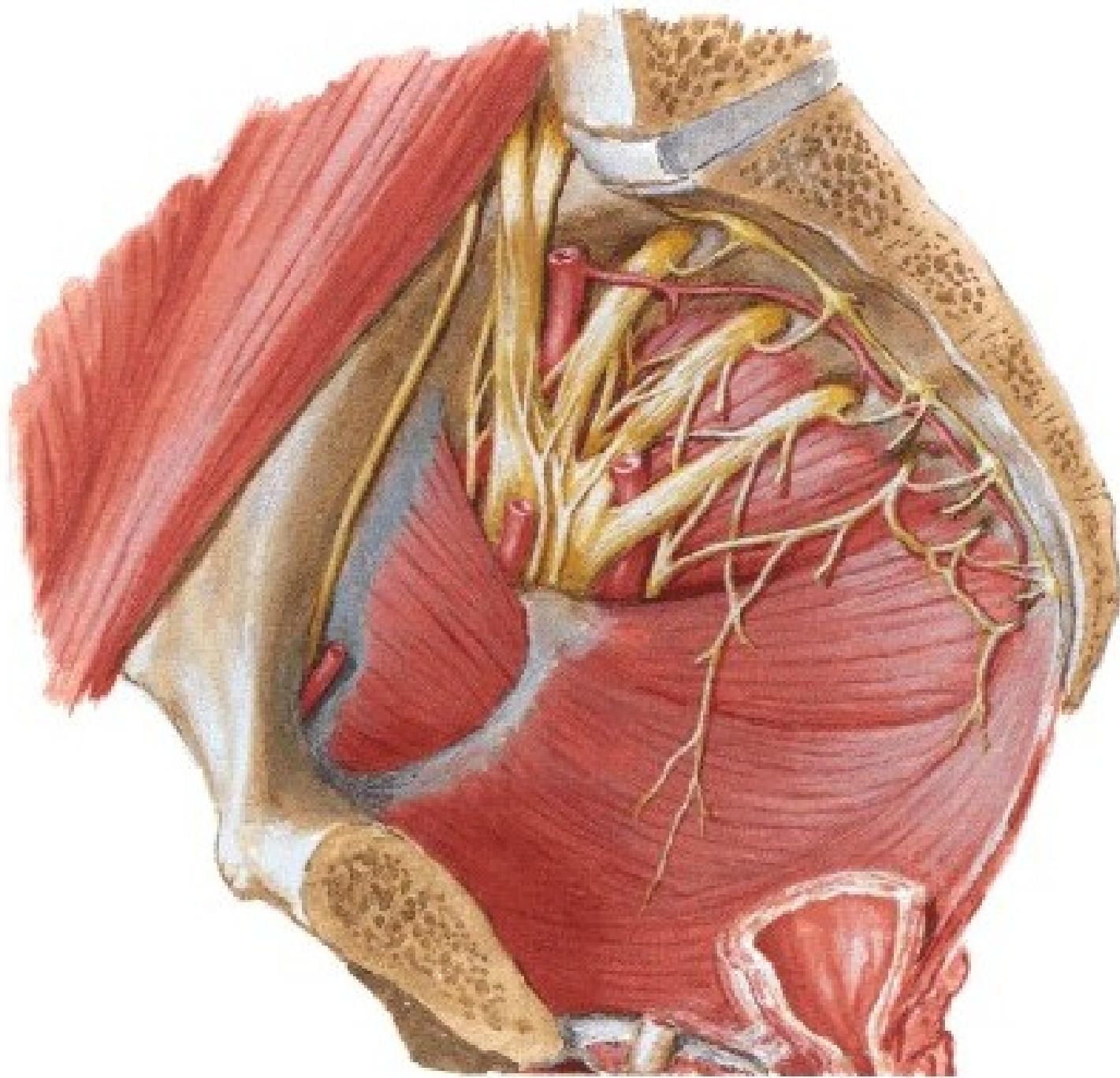




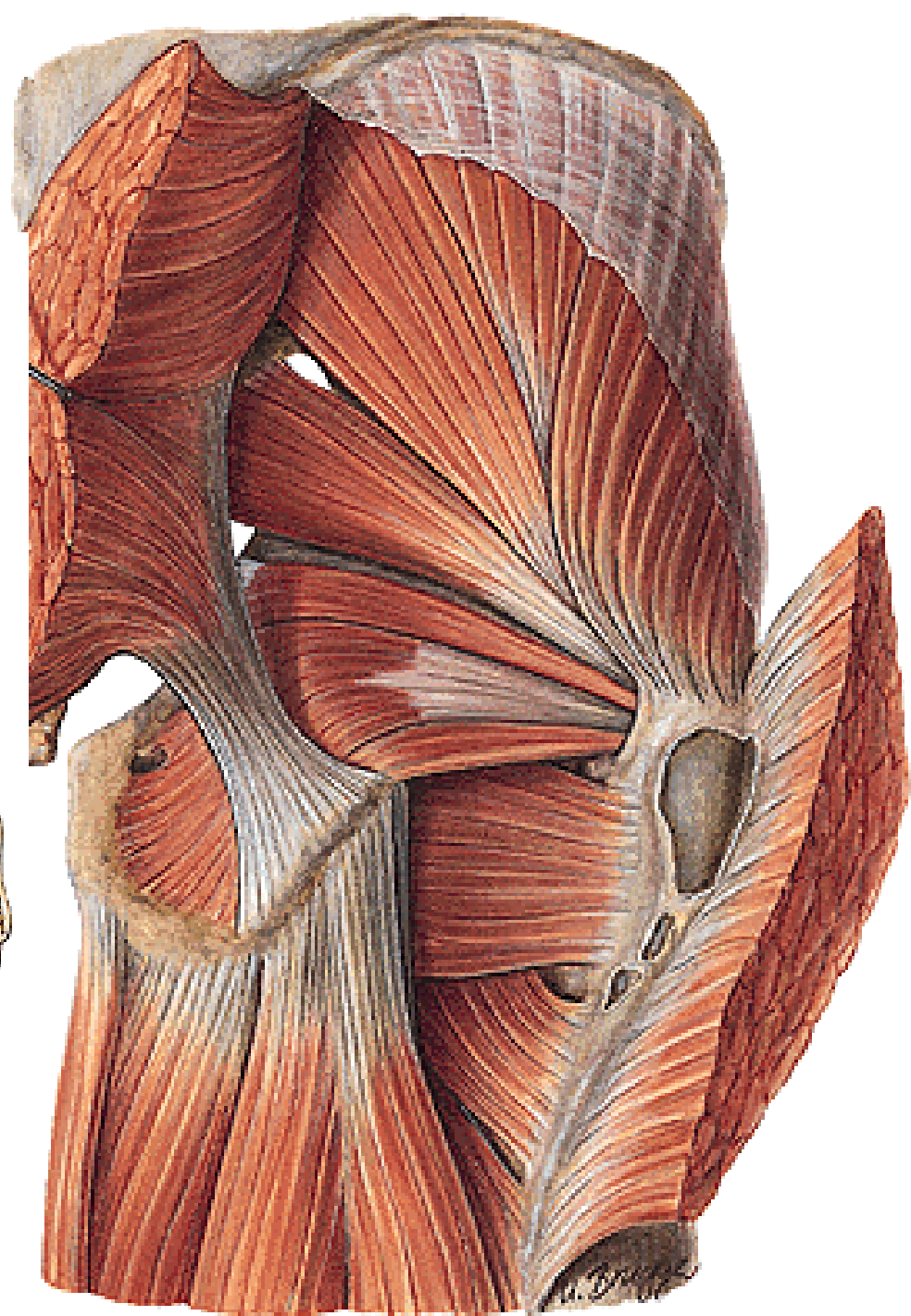
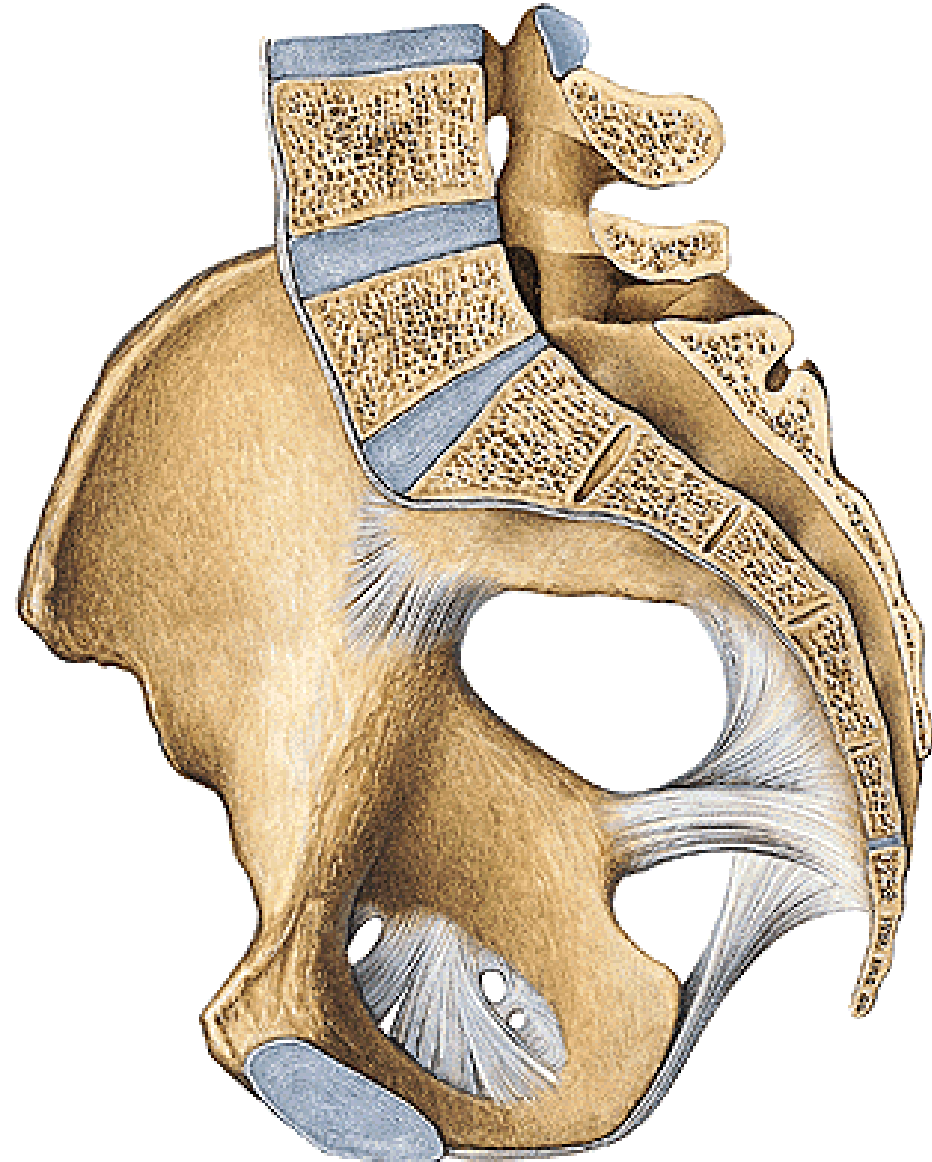
PLEXUS SACRALIS (L4 – Co1)

Anterior division
 Posterior division

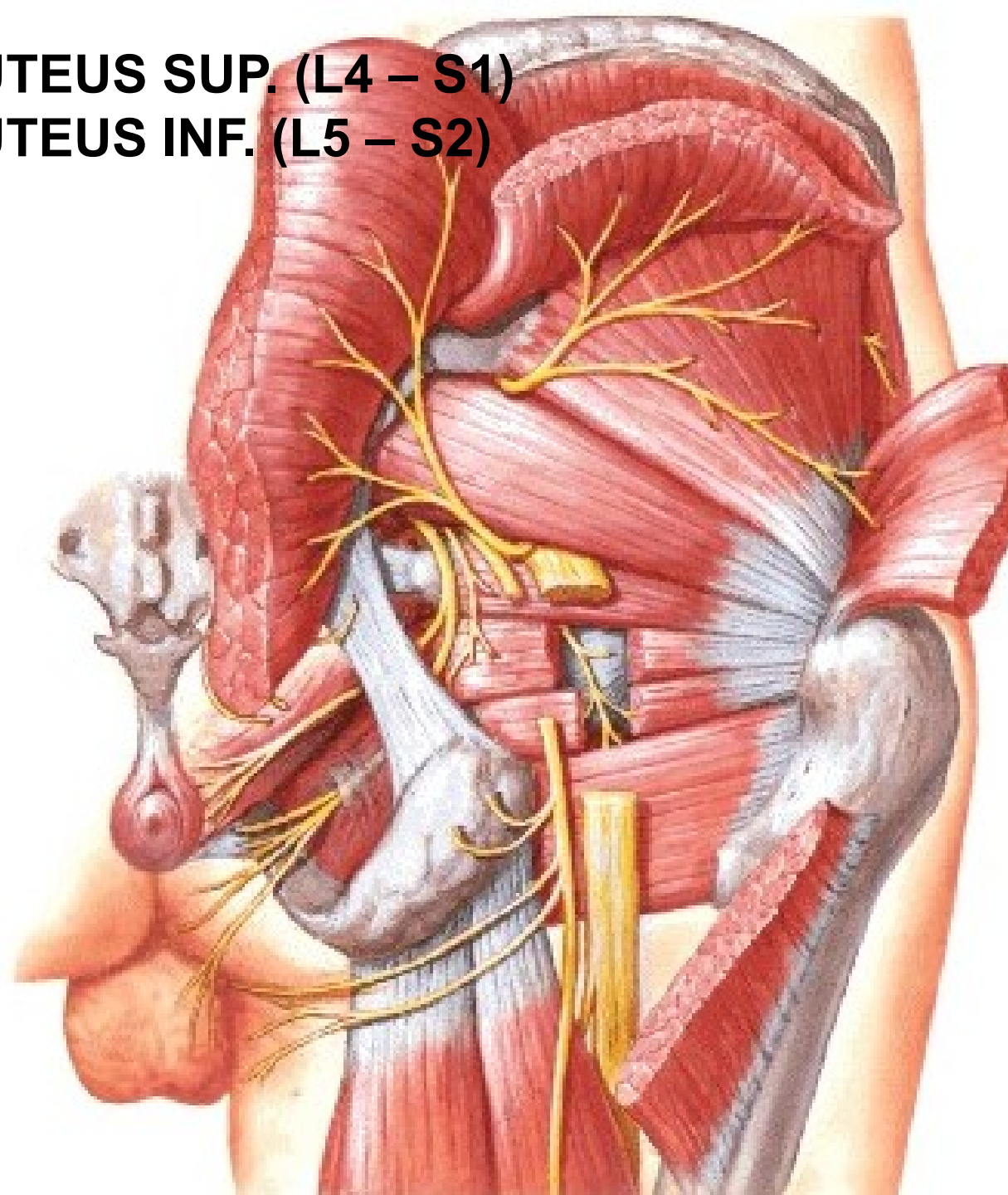
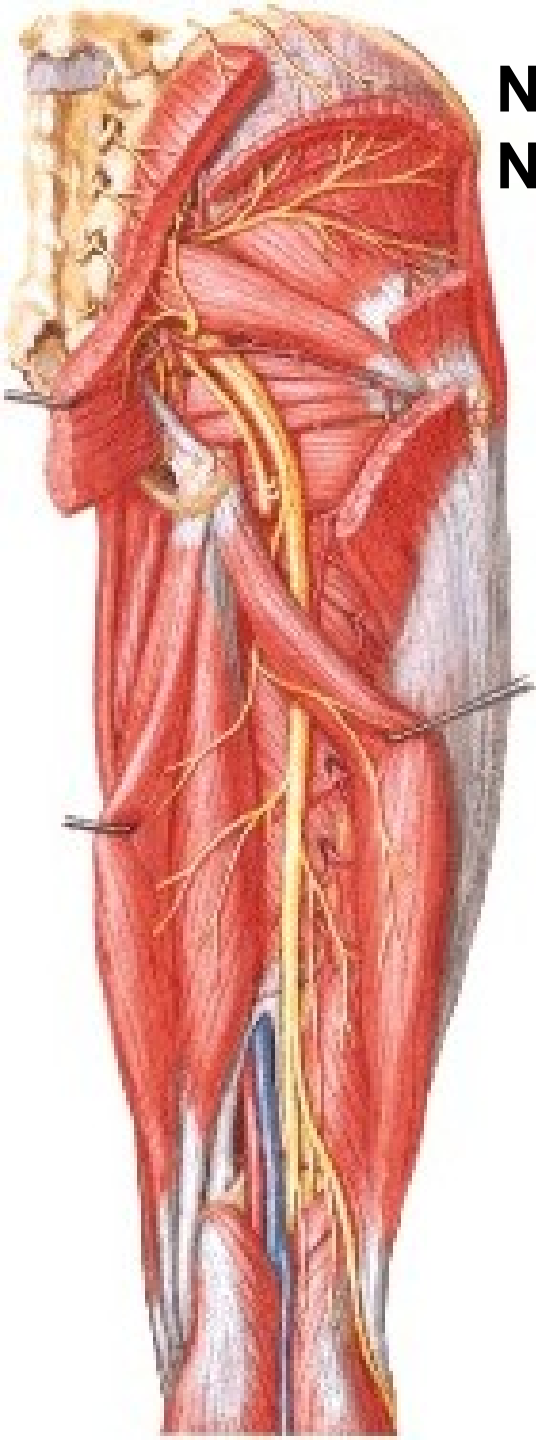




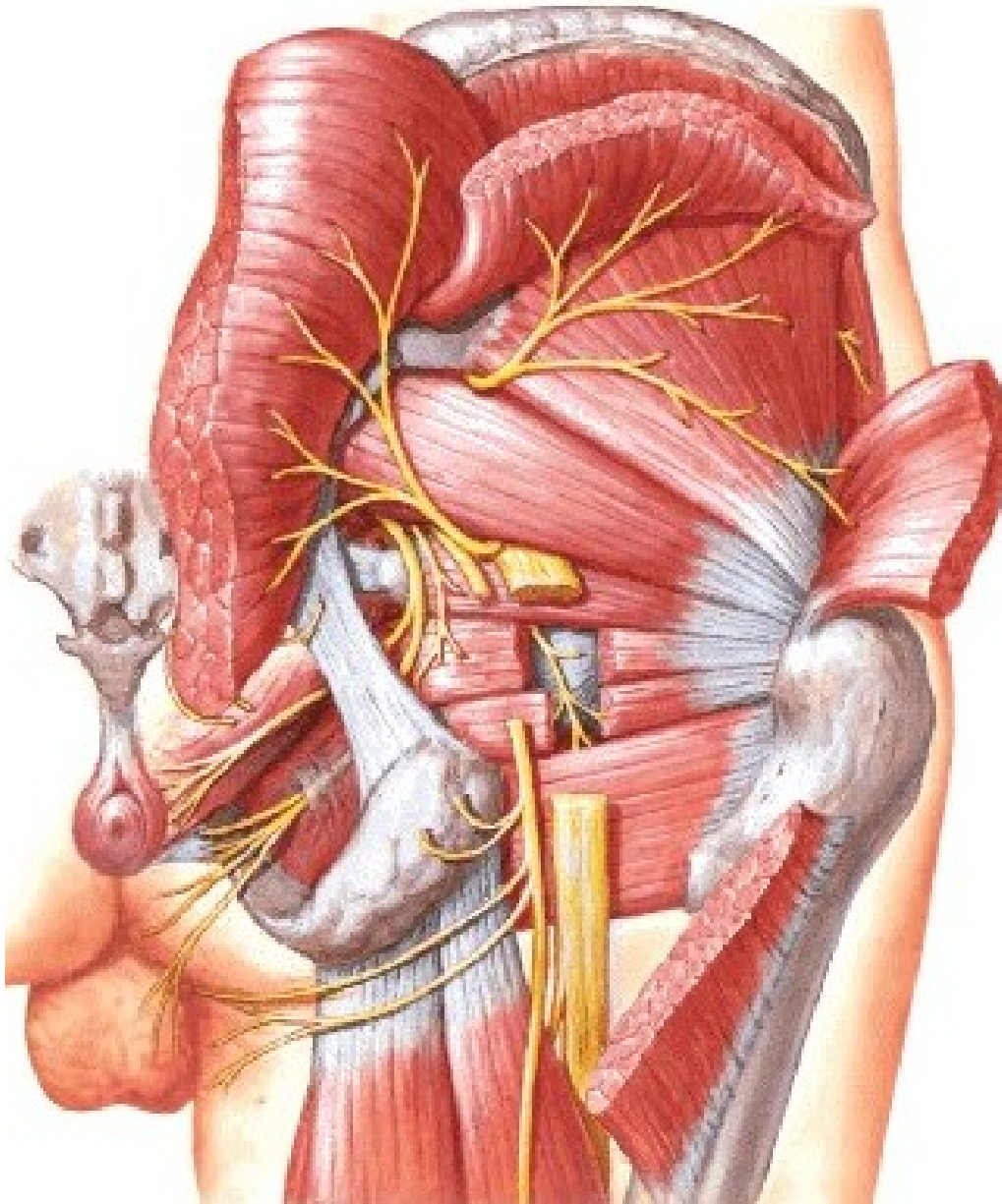
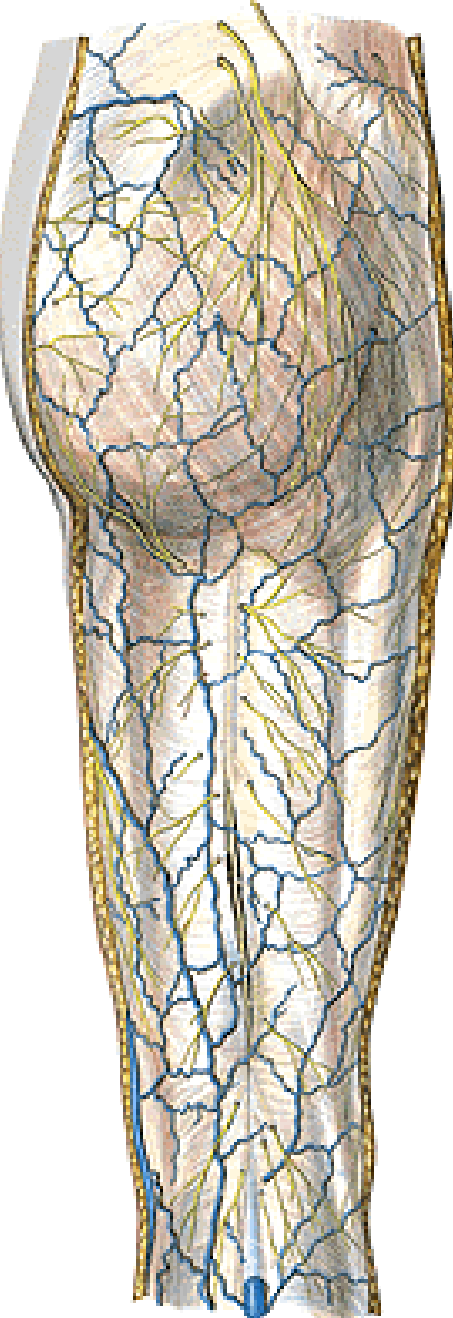
Foramen suprapiriforme
Foramen infrapiriforme



N. GLUTEUS SUP. (L4 – S1)
N. GLUTEUS INF. (L5 – S2)

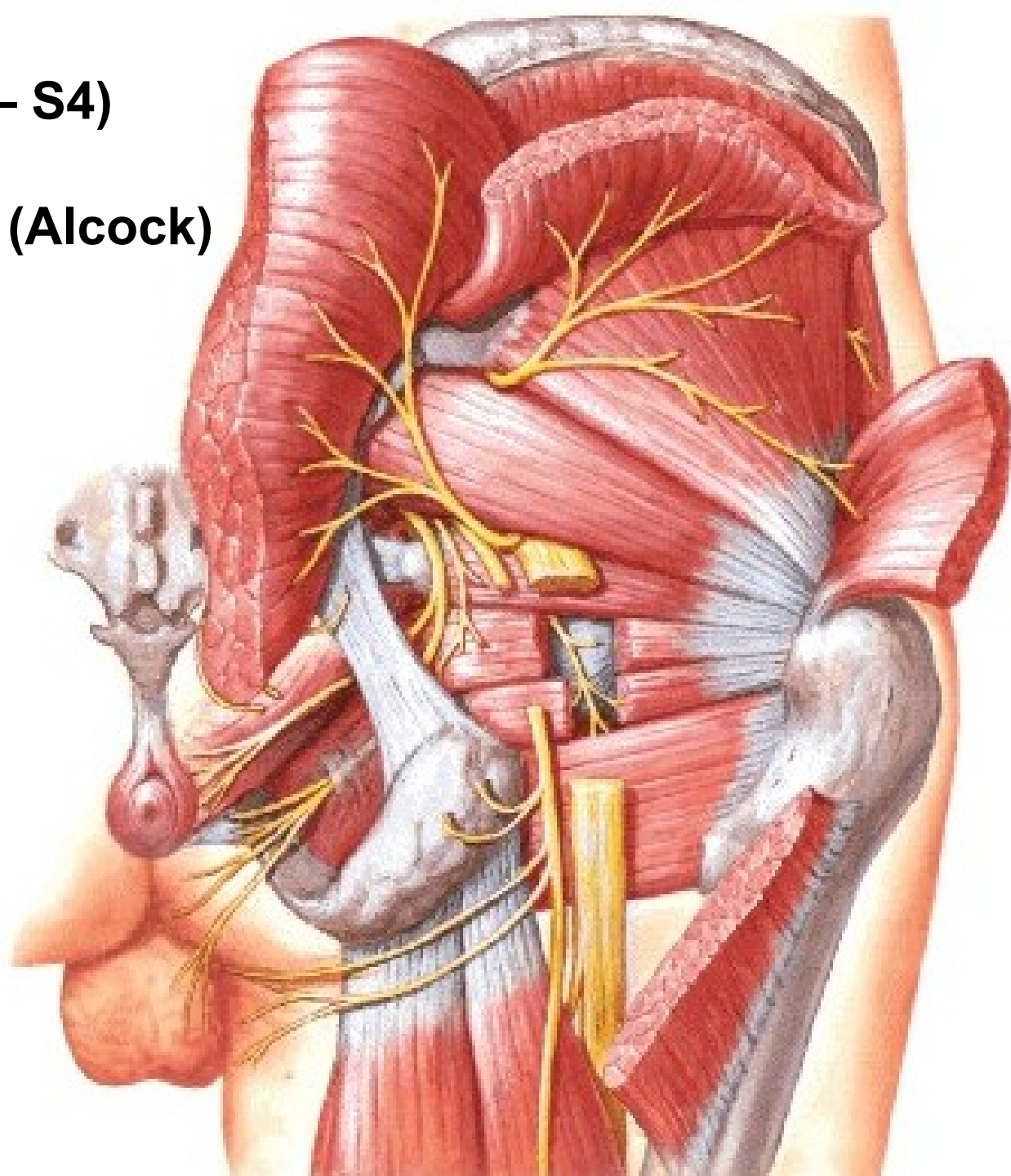


N. CUTANEUS FEMORIS POST. (S1 – S3) – rr. perineales
- nn. clunium inferiores



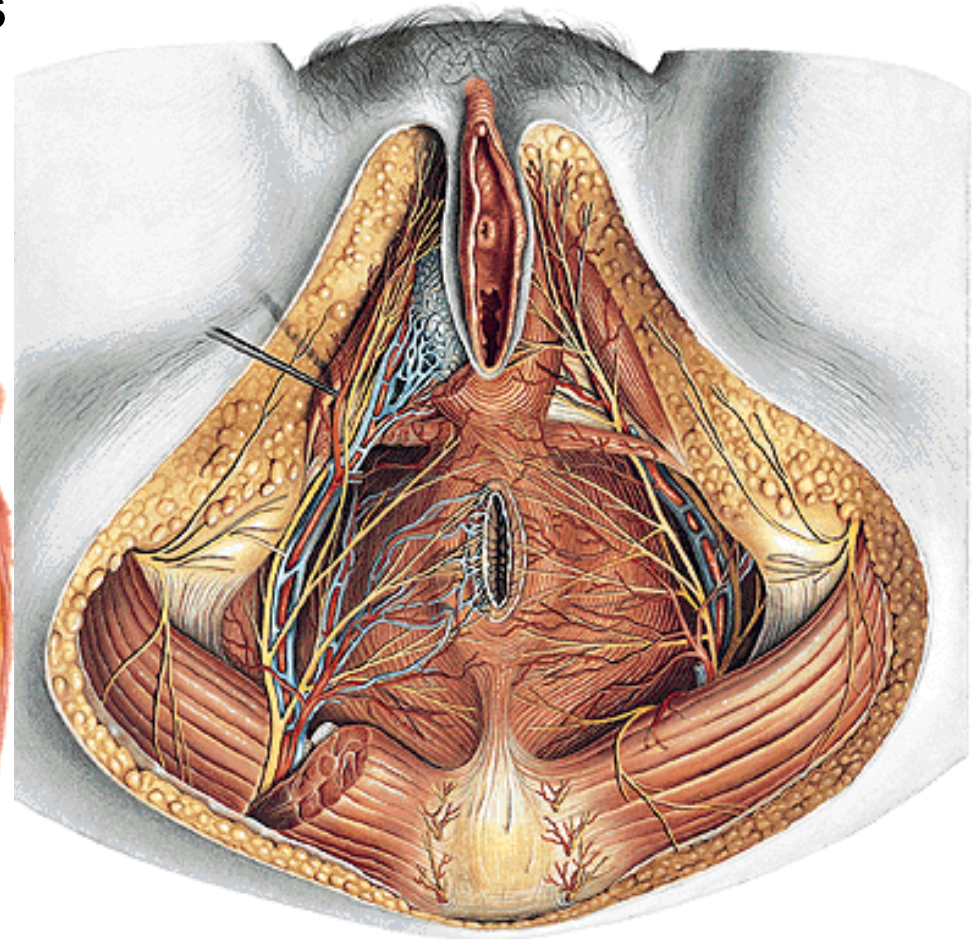
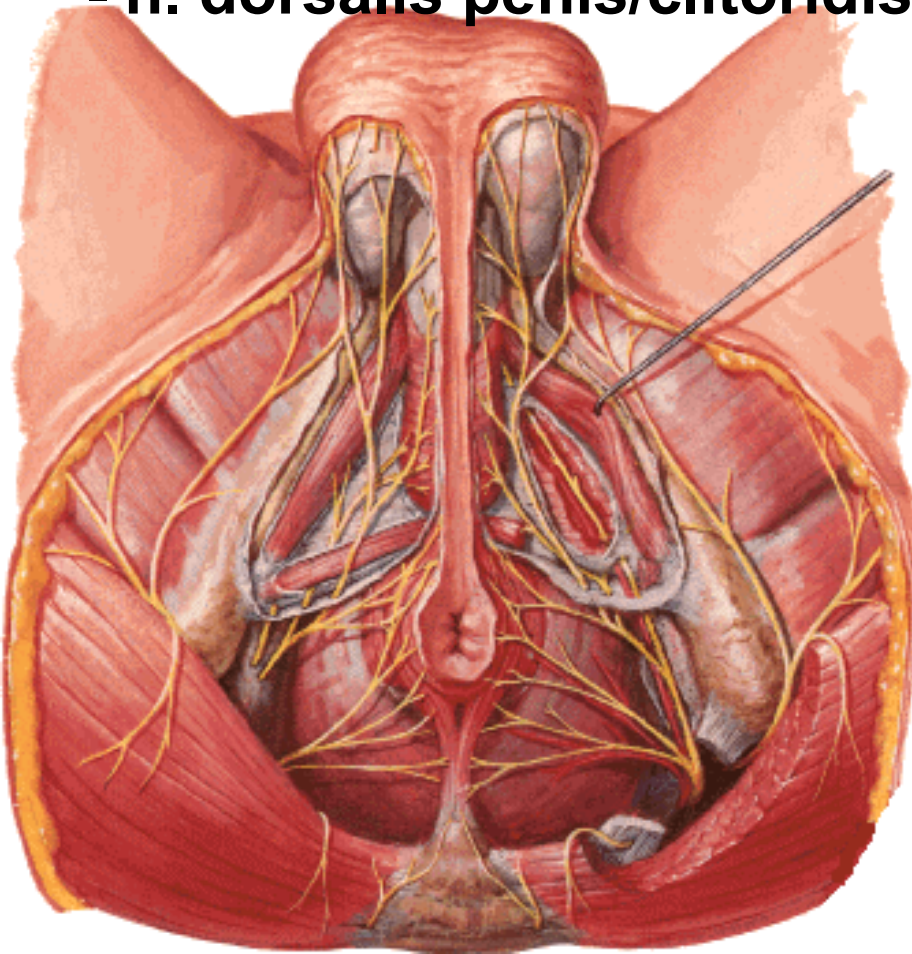
N. PUDENDUS (S2 – S4)

Canalis pudendalis (Alcock)

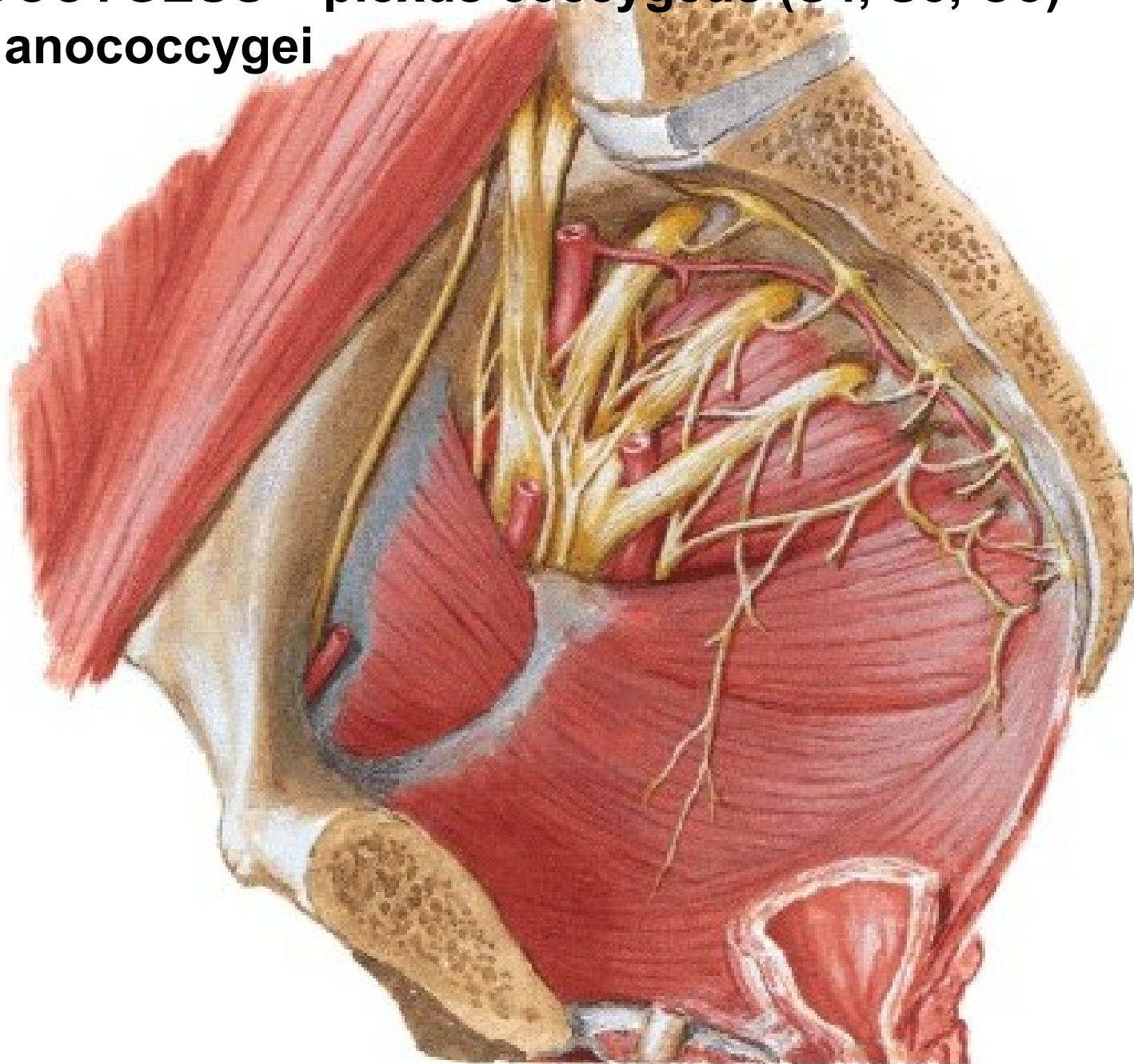


N. PUDENDUS

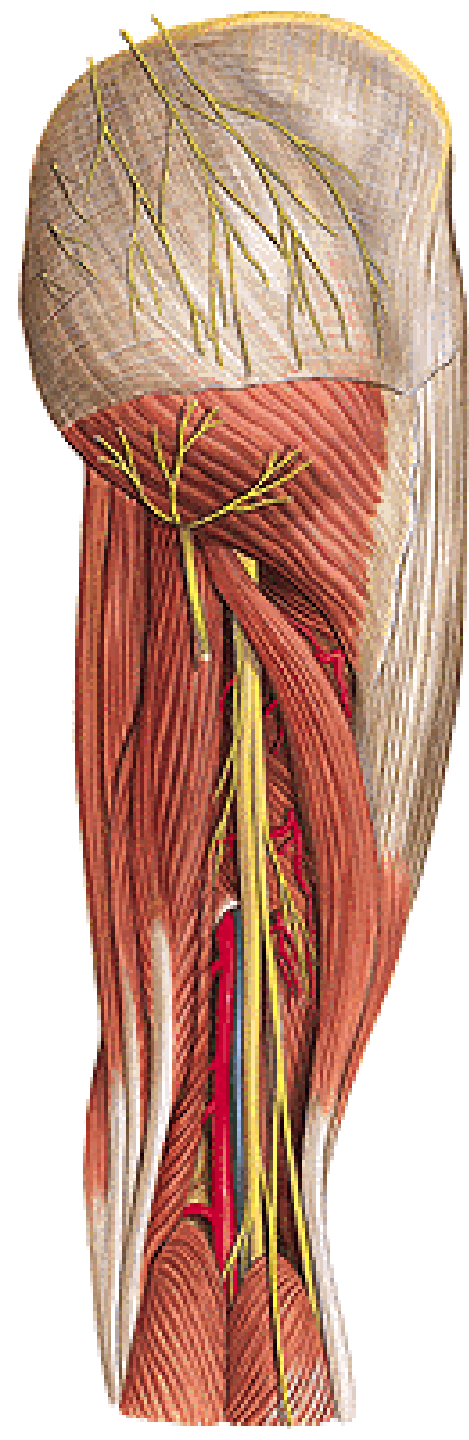
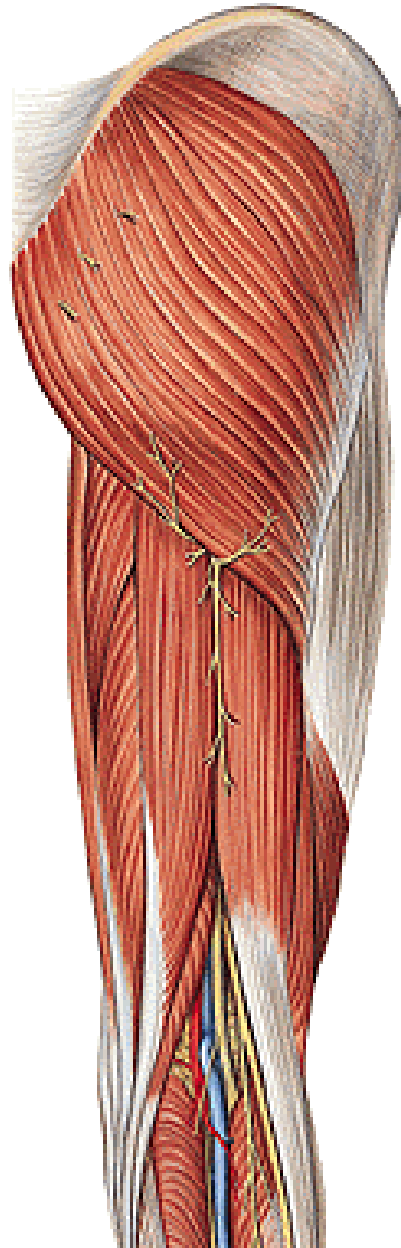
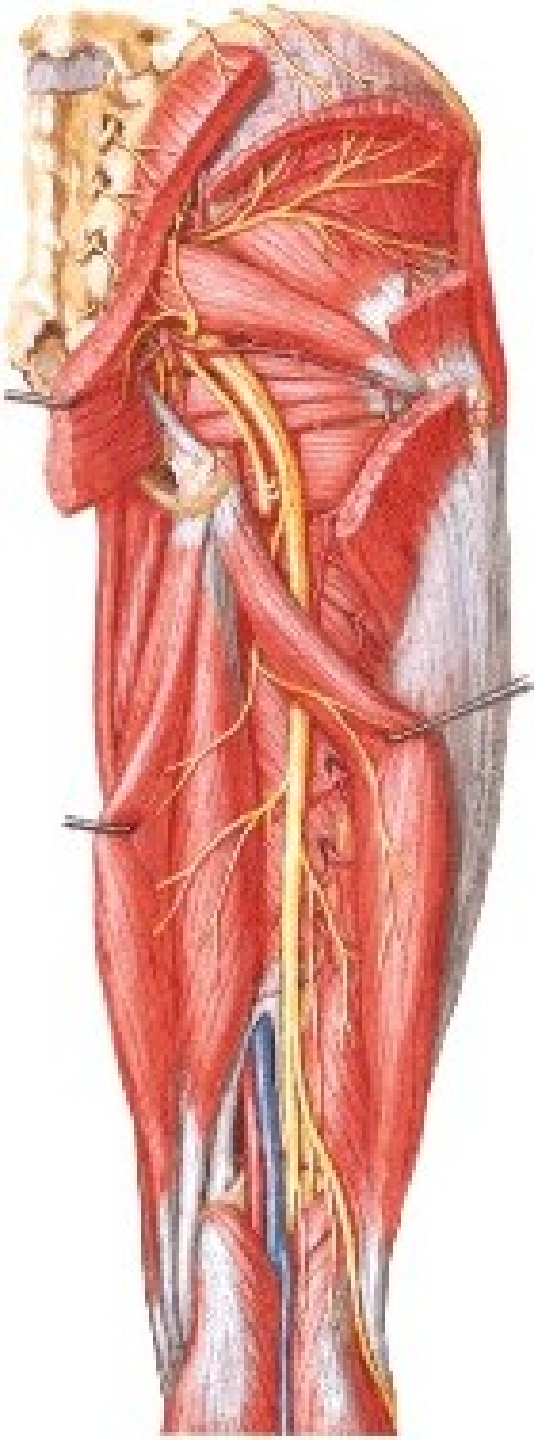
- nn. rectales inf.
- n. perinealis
 - n. perinealis spf. – rr. scrotales/labiales posteriores
 - n. perinealis prof.
- n. dorsalis penis/clitoridis



N. COCCYGEUS – plexus coccygeus (S4, S5, Co)
– nn. anococcygei



N. ISCHIADICUS (L4 – S3)

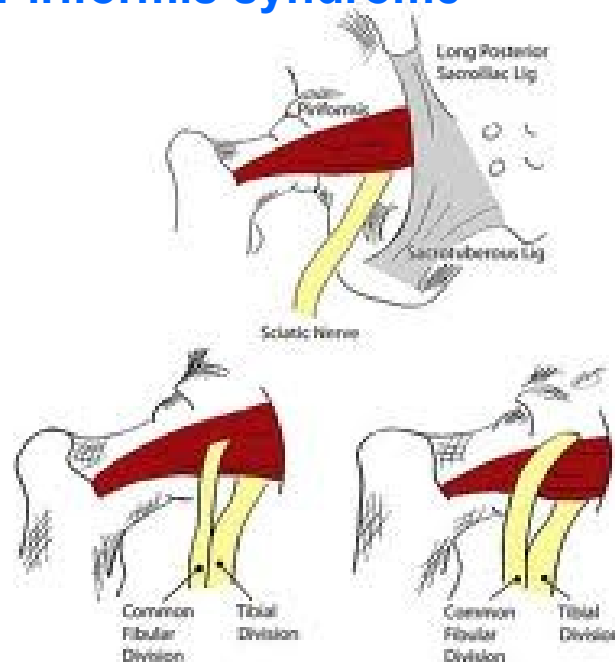


A. comitans n. ischiadici

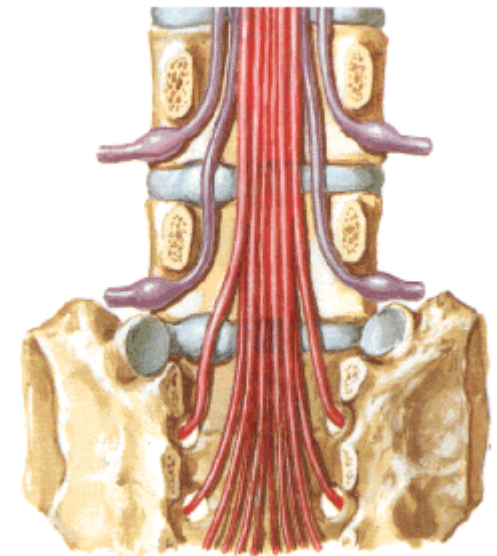
N. ISCHIADICUS

- rr. musculares
- rr. articulares
- n. tibialis
- n. fibularis/peroneus communis

Piriformis syndrome

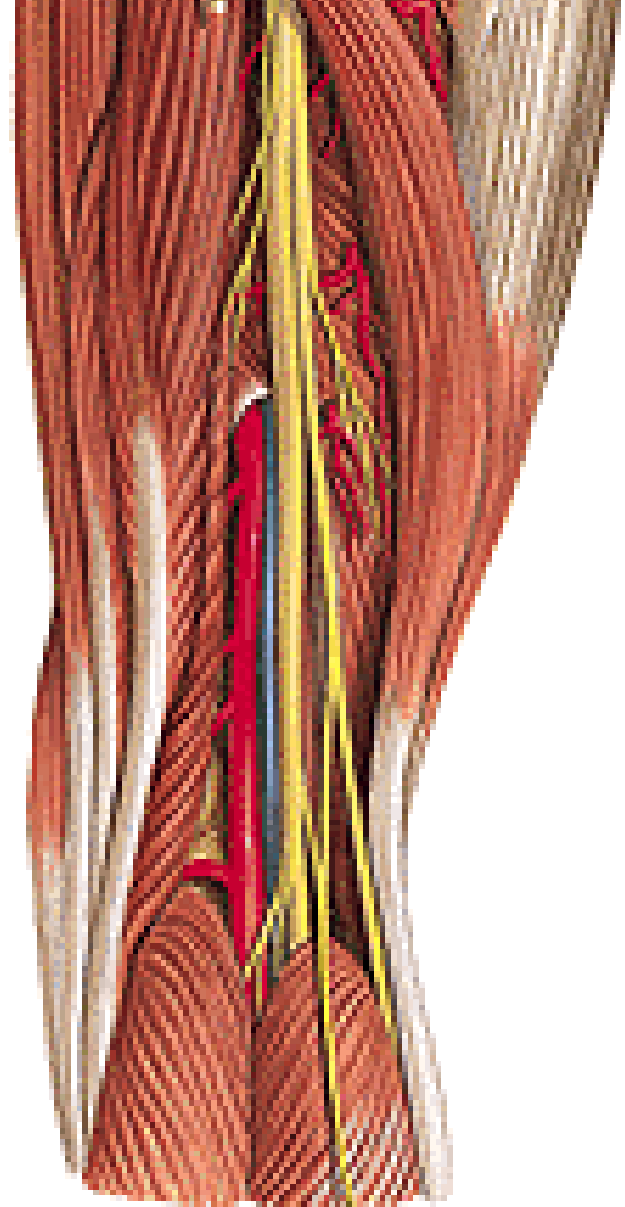
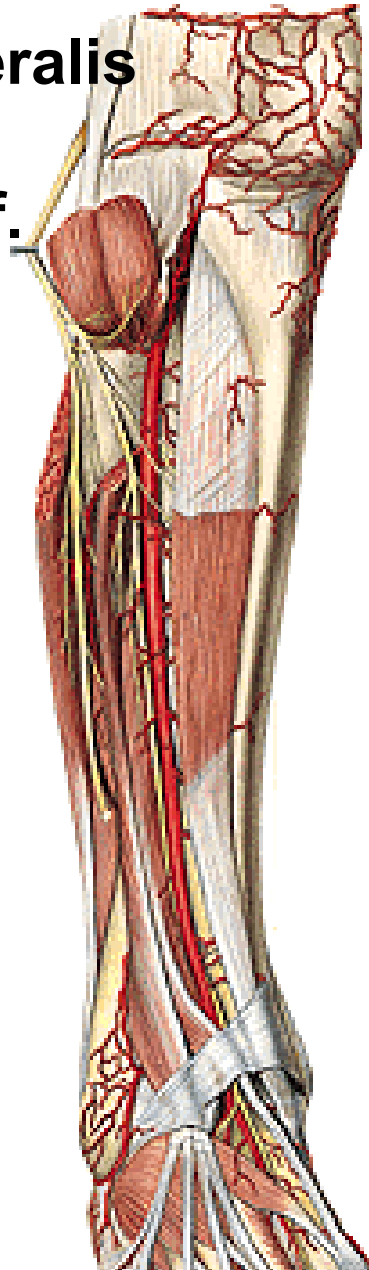
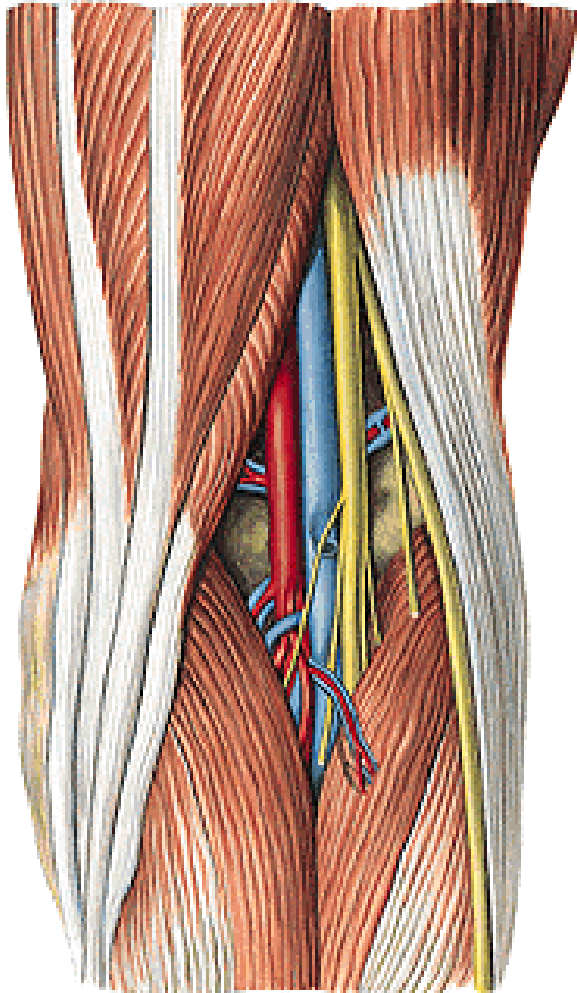


Spinal disc herniation



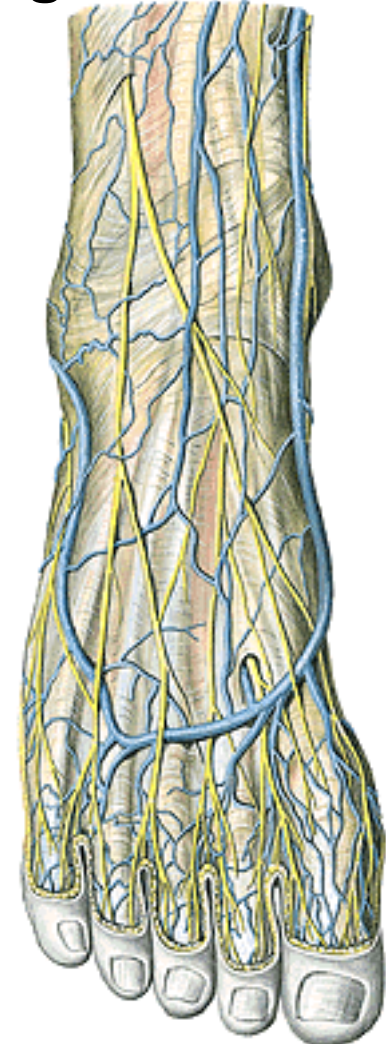
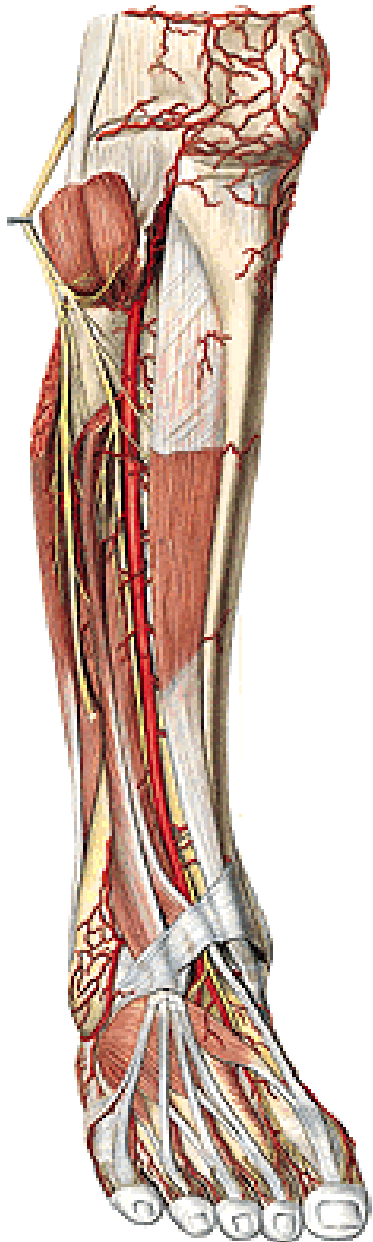
N. FIBULARIS/PERONEUS COMMUNIS

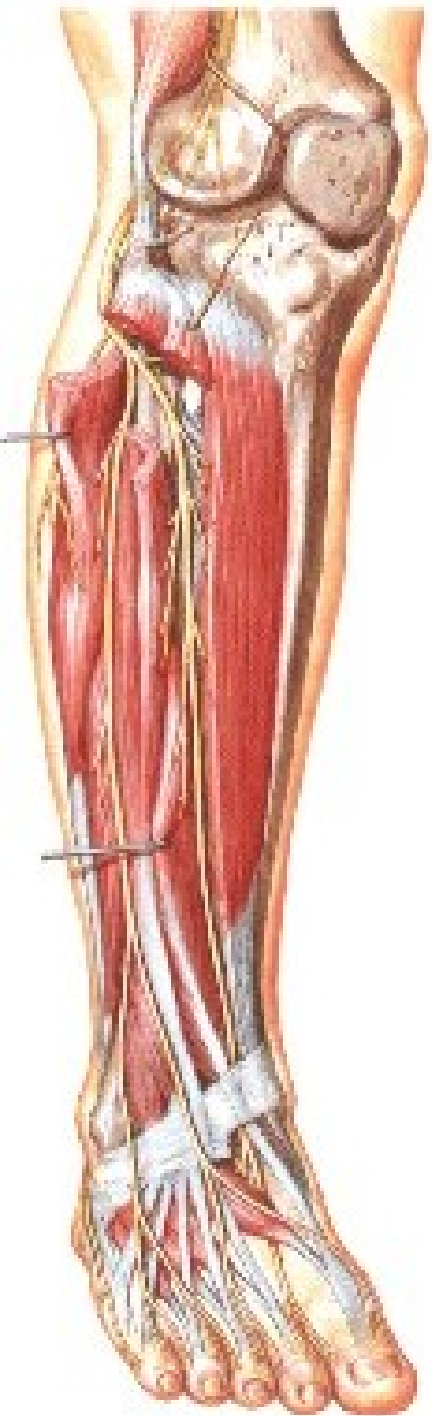
- rr. articulares
- n. cutaneus surae lateralis
- r. communicans
- n. fibularis spf. et prof.



N. FIBULARIS SPF.

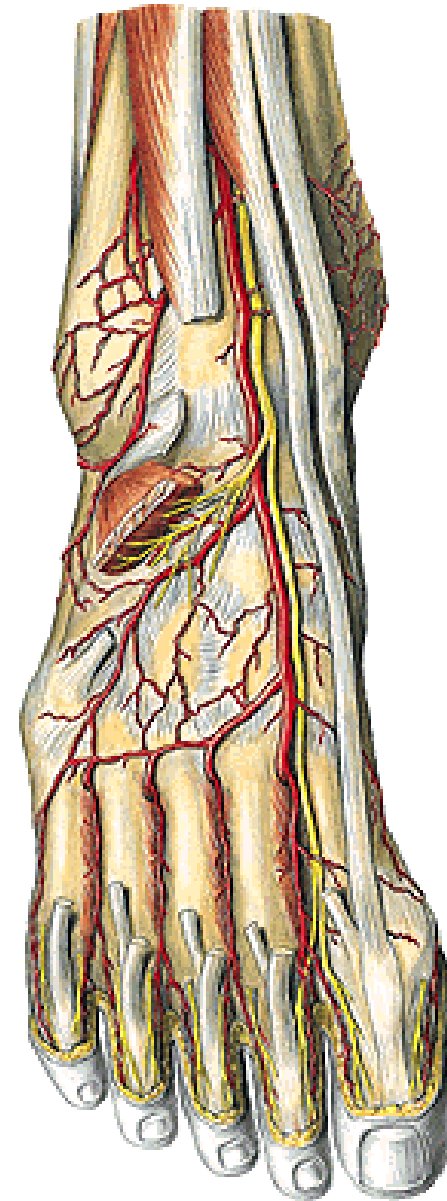
- rr. musculares
- n. cutaneus dorsalis med.
- n. cutaneus dors. intermedius
 - nn. digitales dorsales





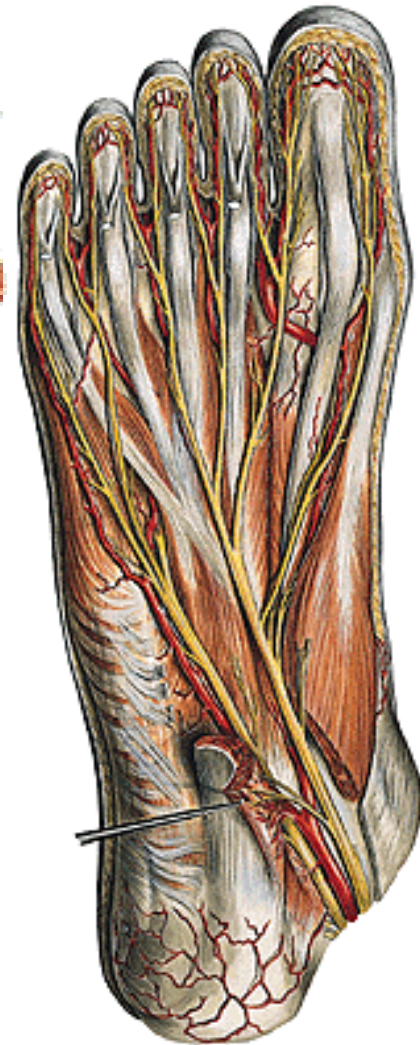
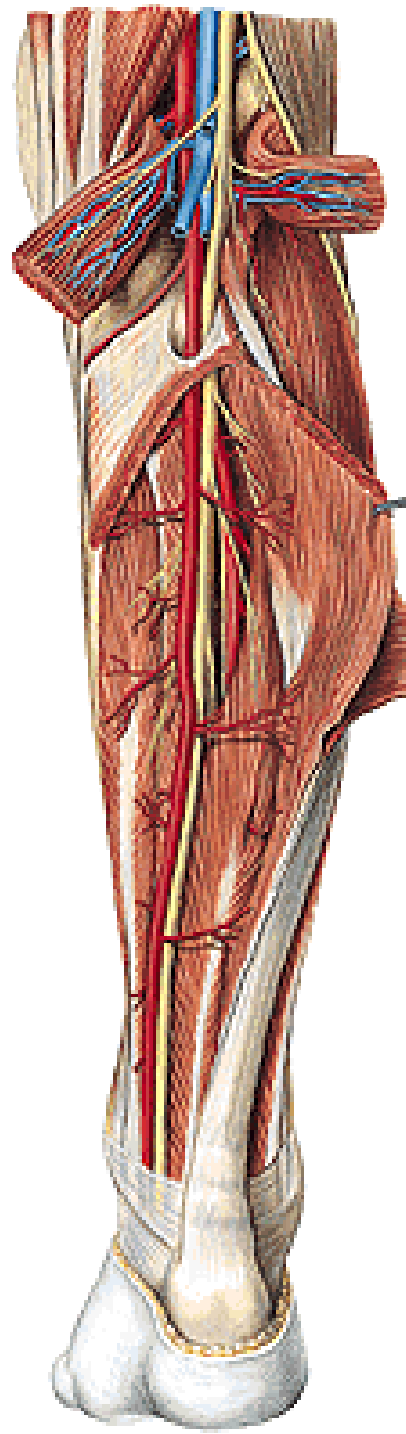
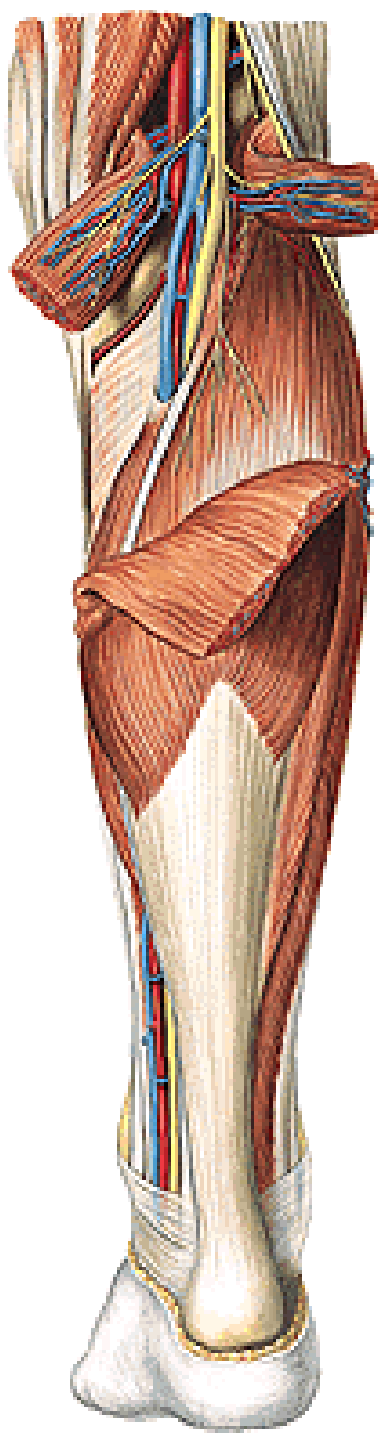
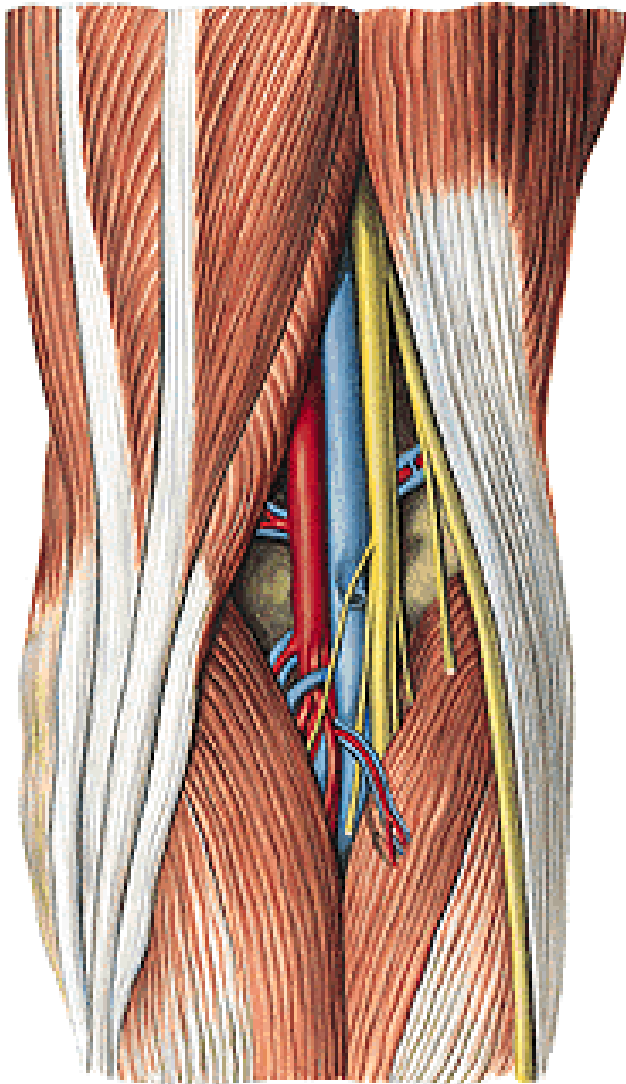
N. FIBULARIS PROF.

- rr. musculares
- nn. digitales dorsales



N. TIBIALIS

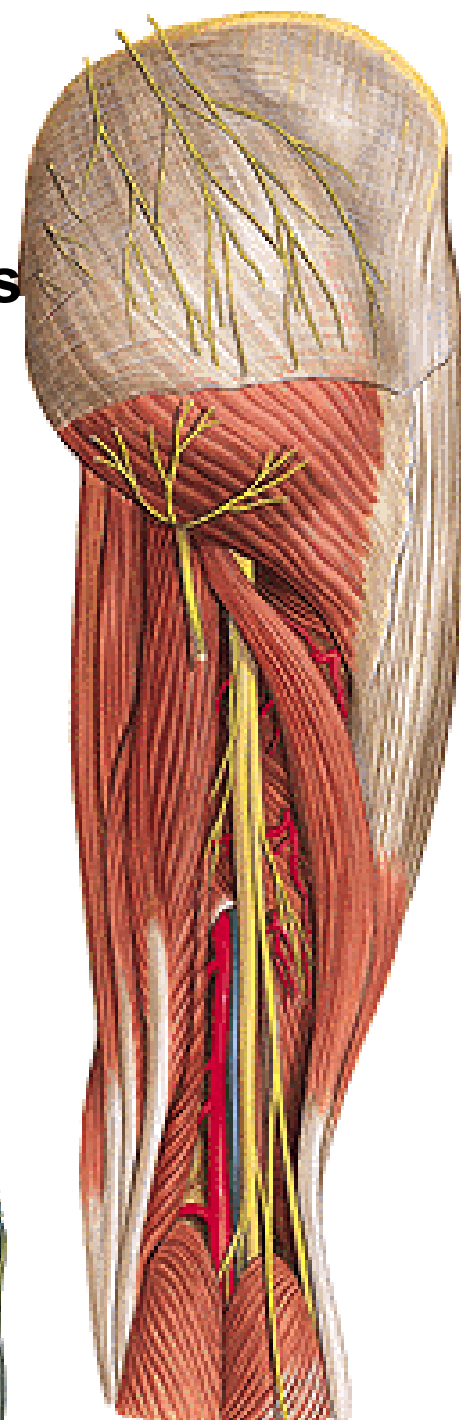
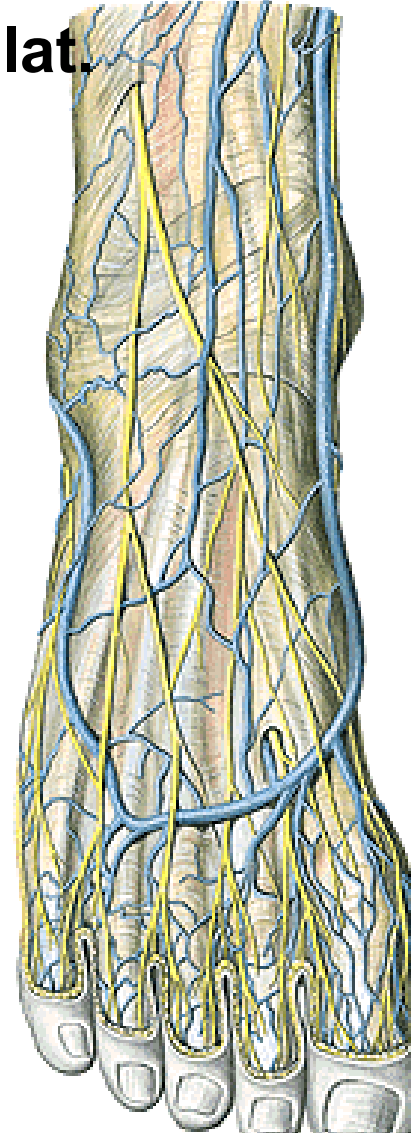
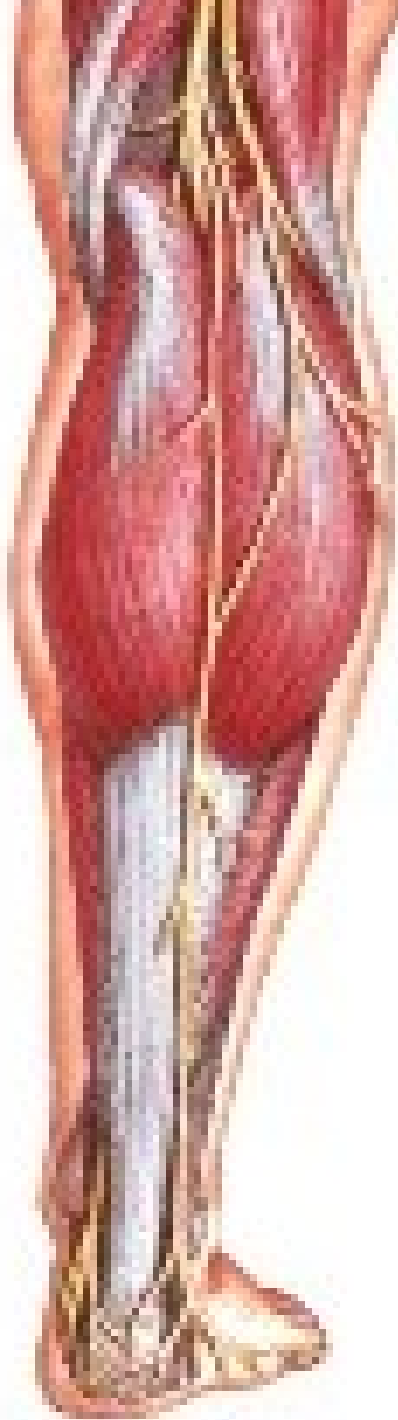
(arcus tendineus m. solei)

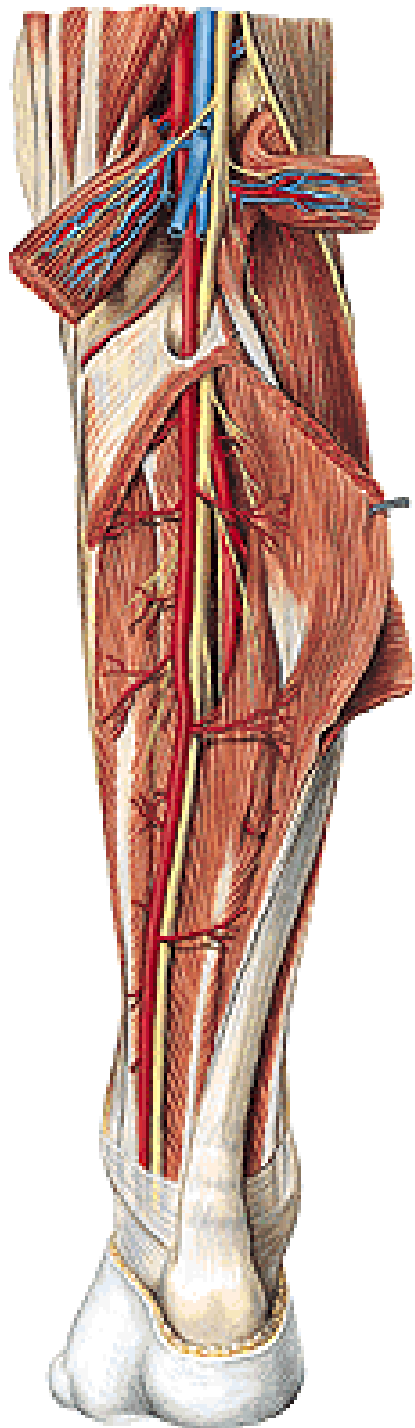


N. TIBIALIS

**- n. cutaneus surae medialis
(+ r. communicans fibularis)**

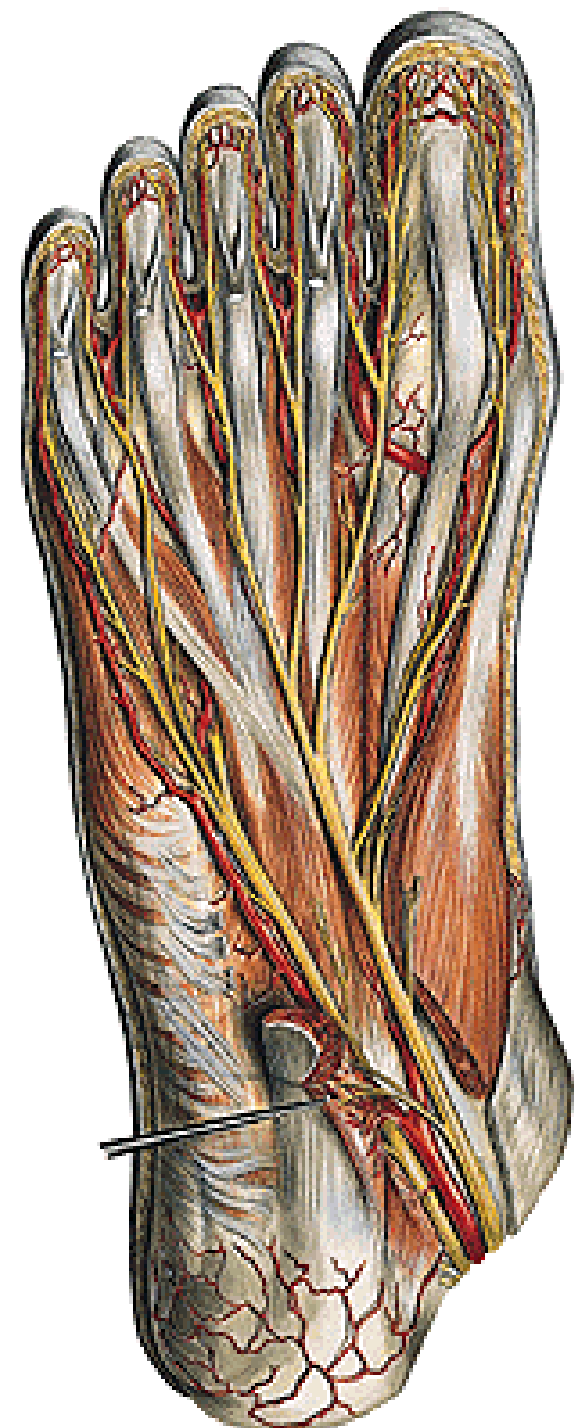
**→ n. suralis – n. cutaneus
dorsalis lat.**





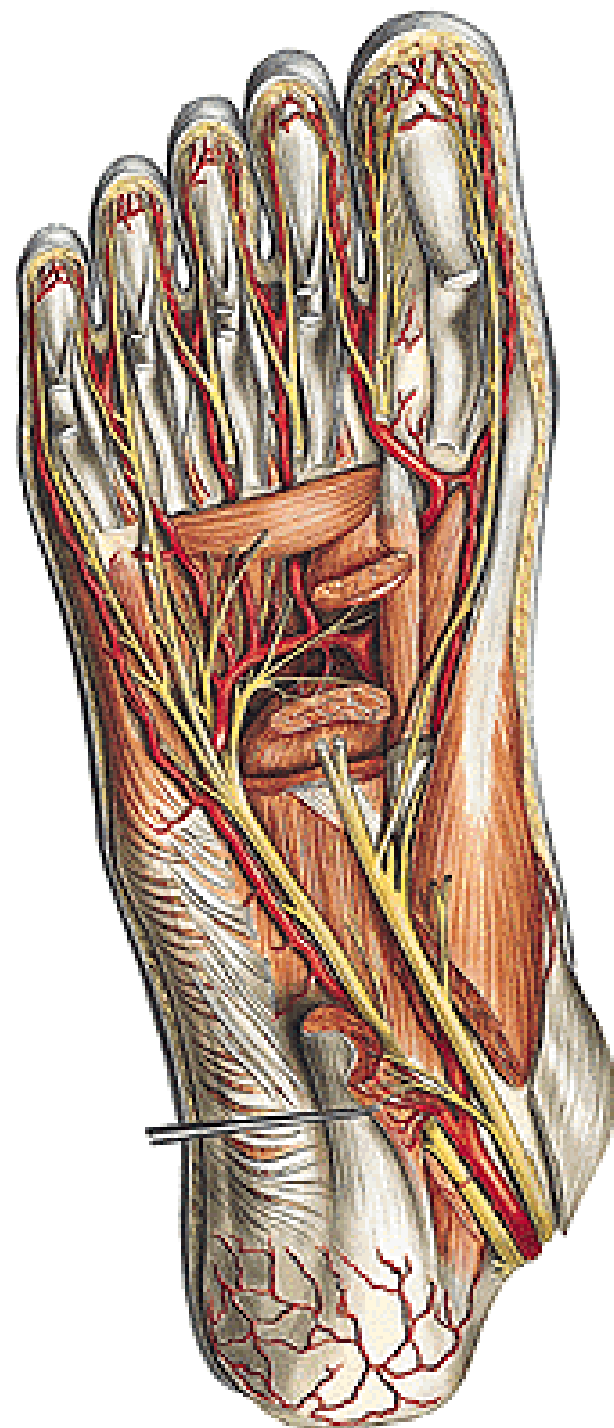
N. TIBIALIS

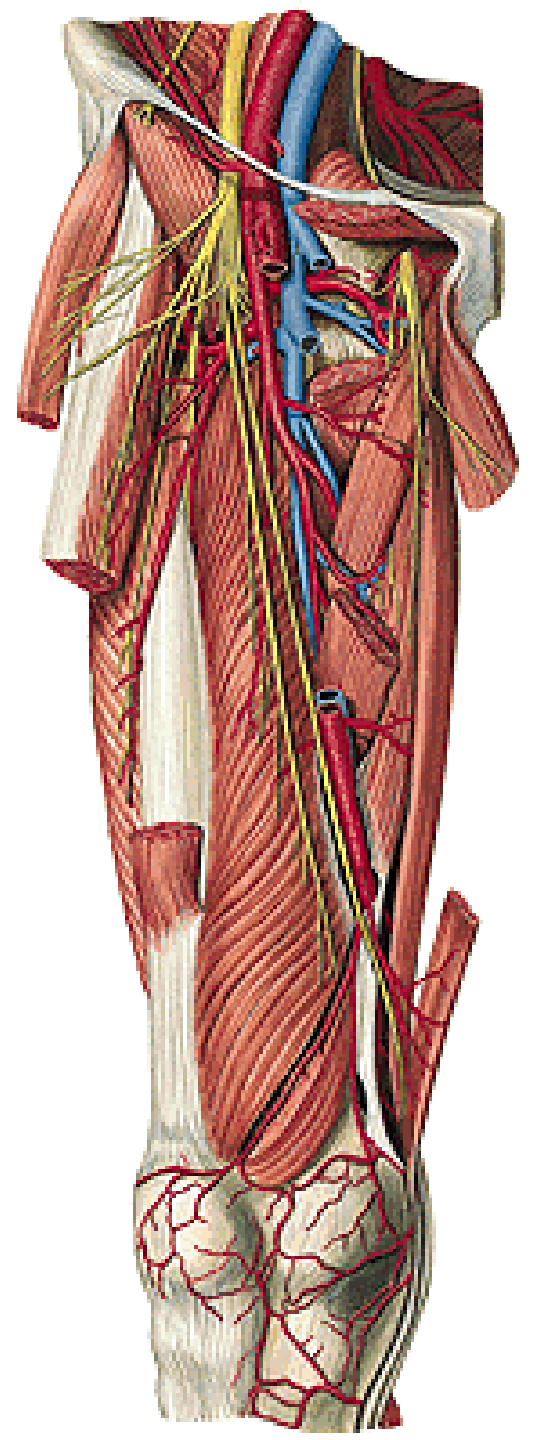
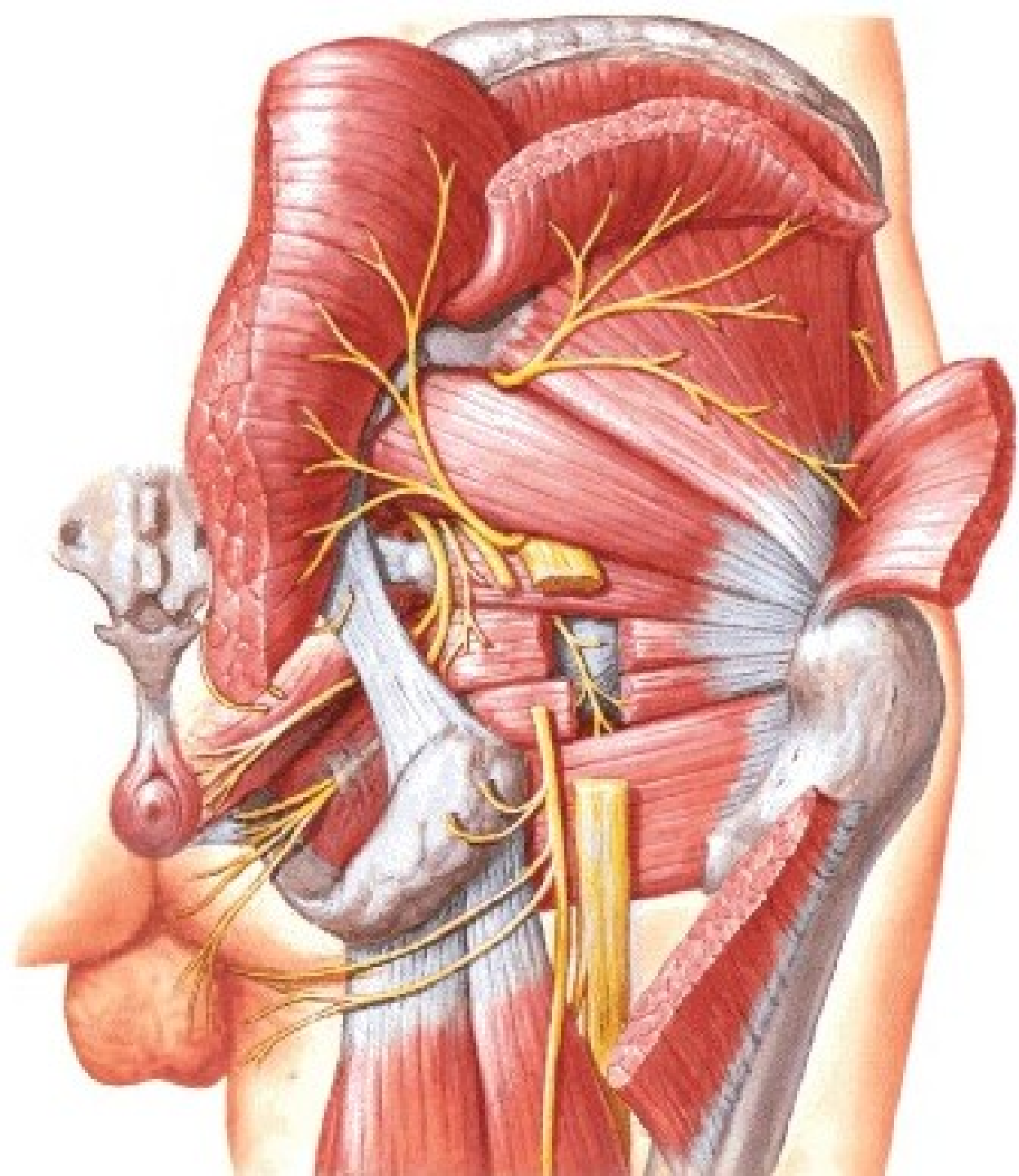
- rr. musculares
- n. interosseus cruris
- rr. calcanei med.
- n. plantaris med.
 - rr. musculares
 - nn. digitales plantares comm. et proprii
- n. plantaris lat.
 - r. spf. – nn. dig. plant. proprii
 - r. prof. – rr. musculares

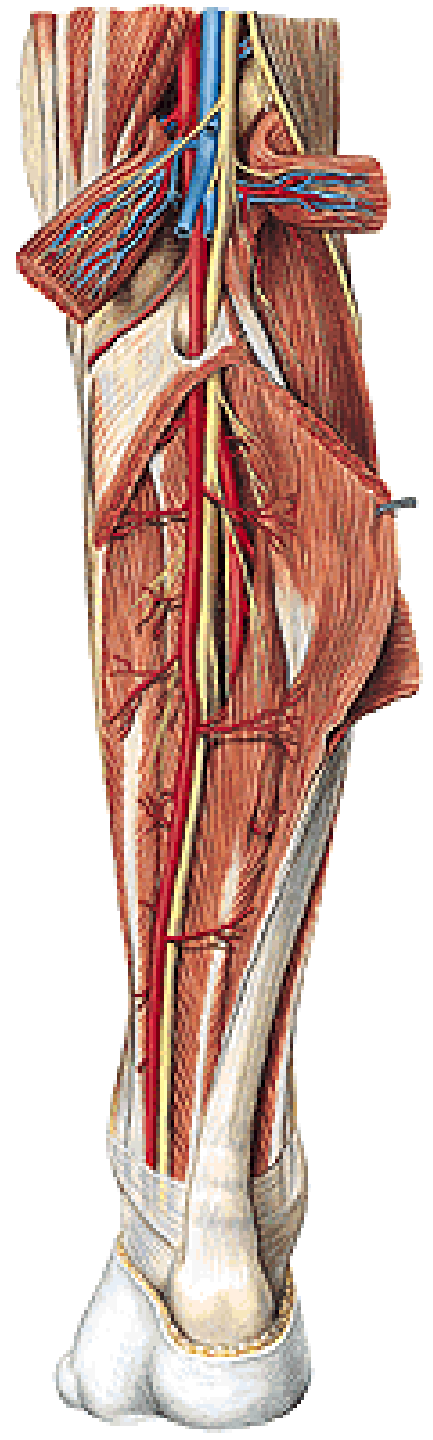
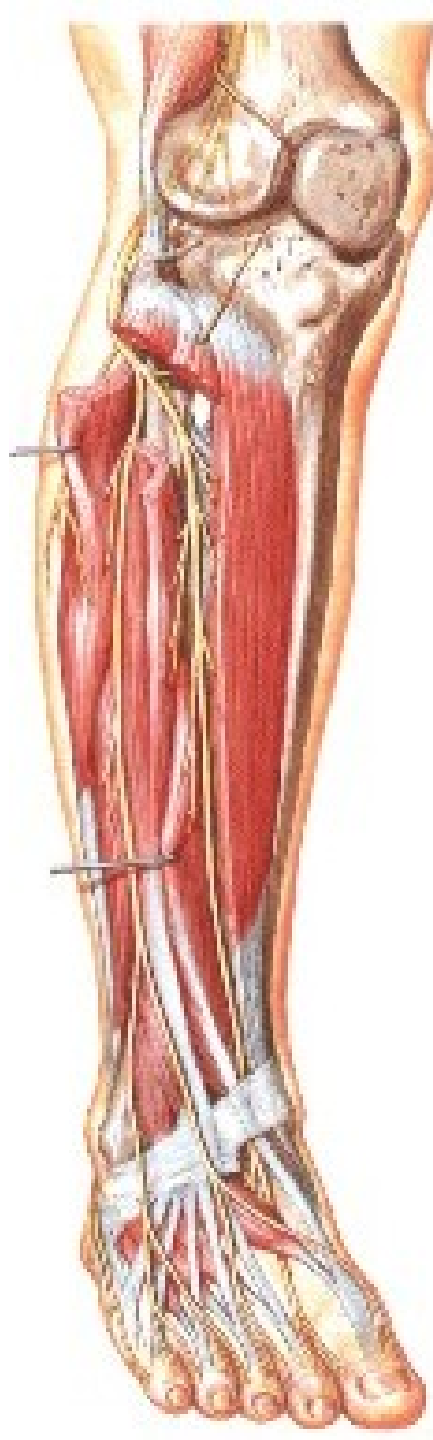
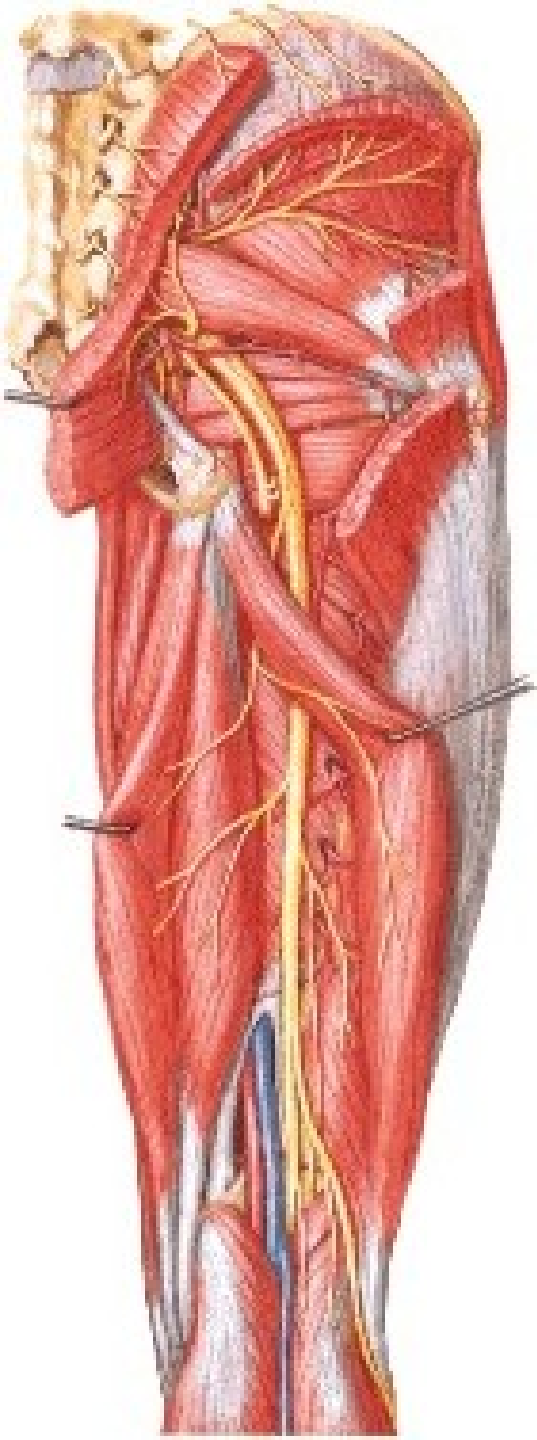


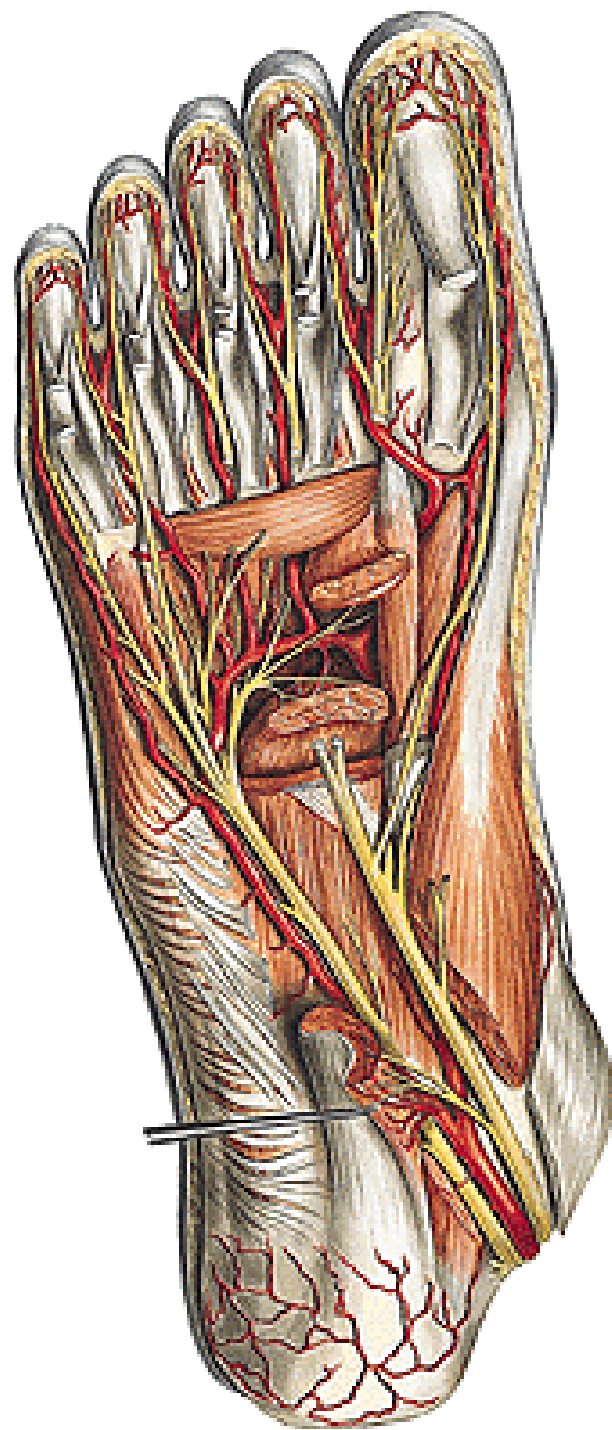
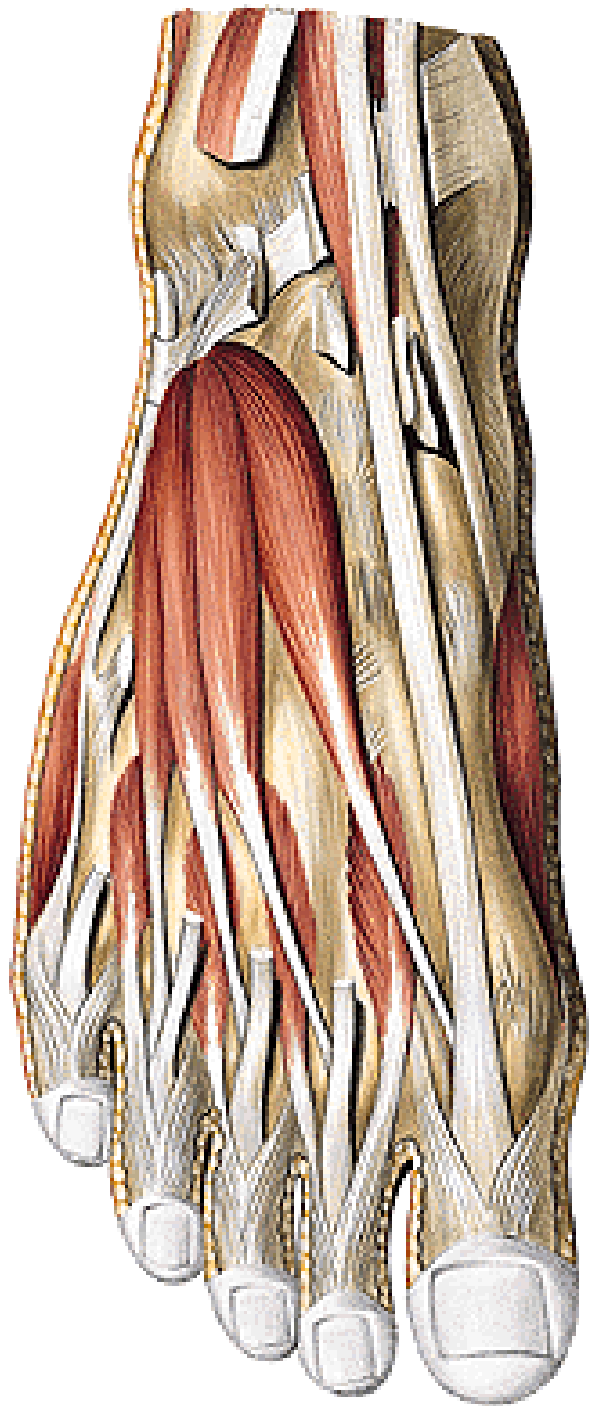
N. TIBIALIS

- **n. plantaris lat.**
 - **r. spf. – nn. dig. plant. proprii**
 - **r. prof. – rr. musculares**





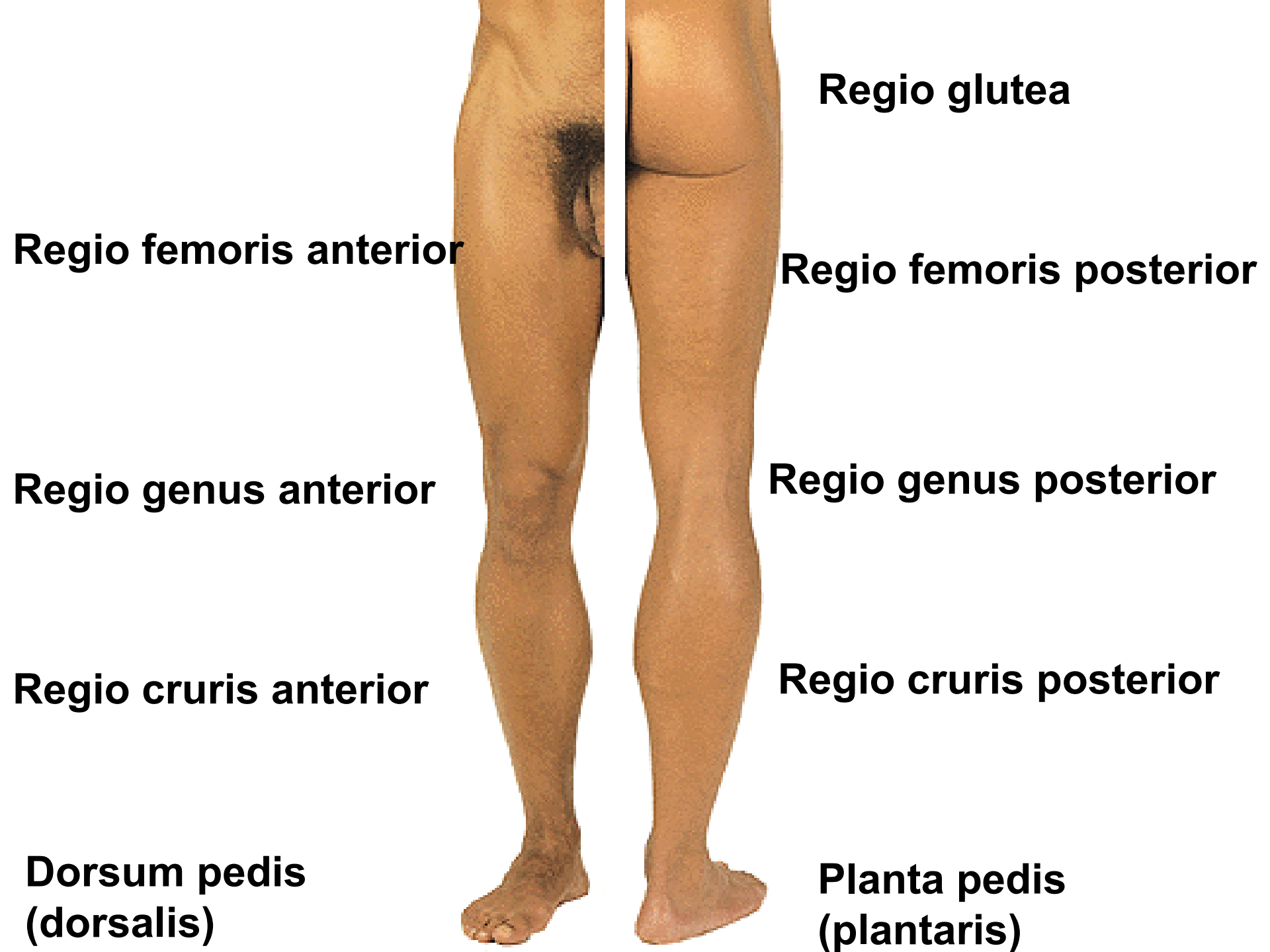








Regional anatomy of the lower limb



Regio glutea

Regio femoris anterior

Regio femoris posterior

Regio genus anterior

Regio genus posterior

Regio cruris anterior

Regio cruris posterior

**Dorsum pedis
(dorsalis)**

**Planta pedis
(plantaris)**



REGIO GLUTEA

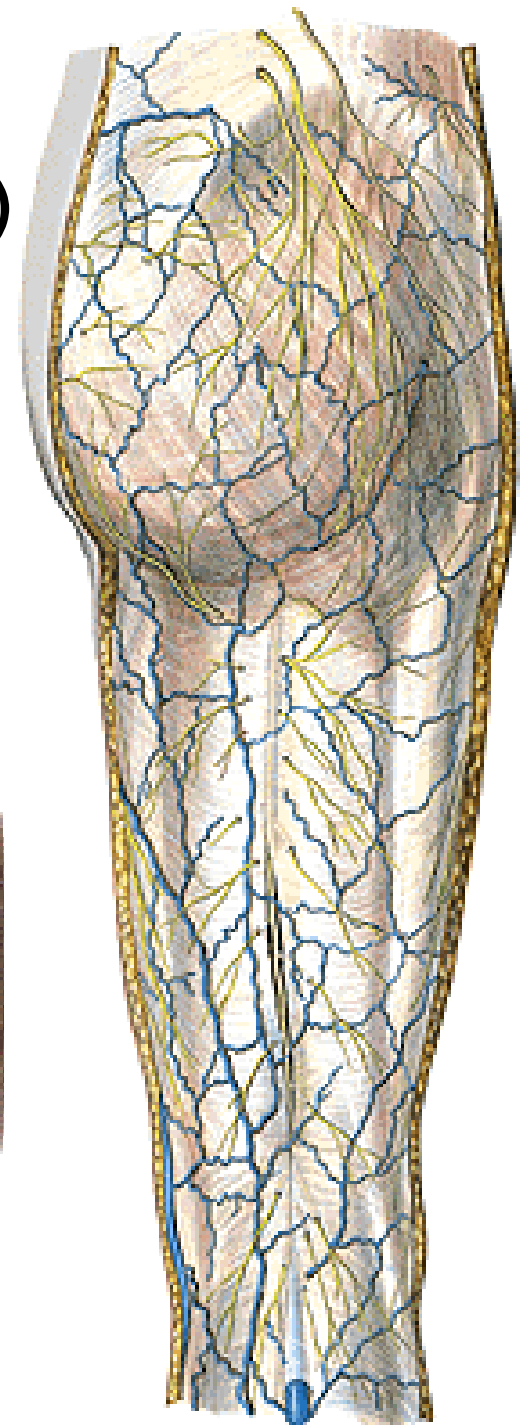
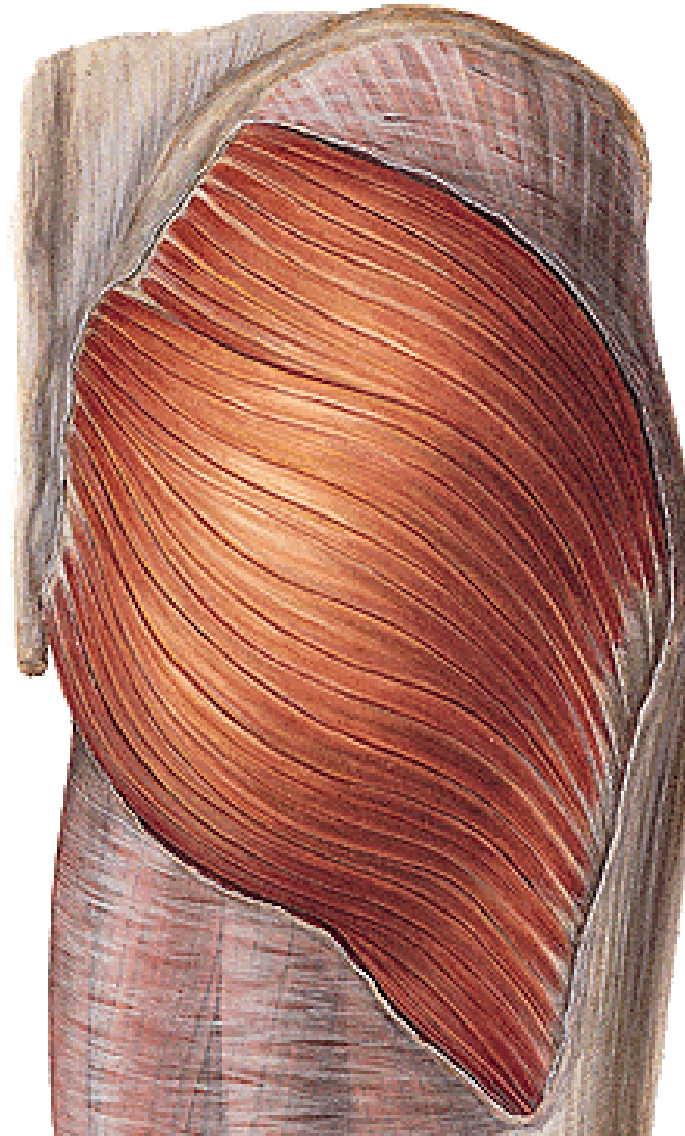


Nn. clunium sup. (rr. dors.L1-L3)

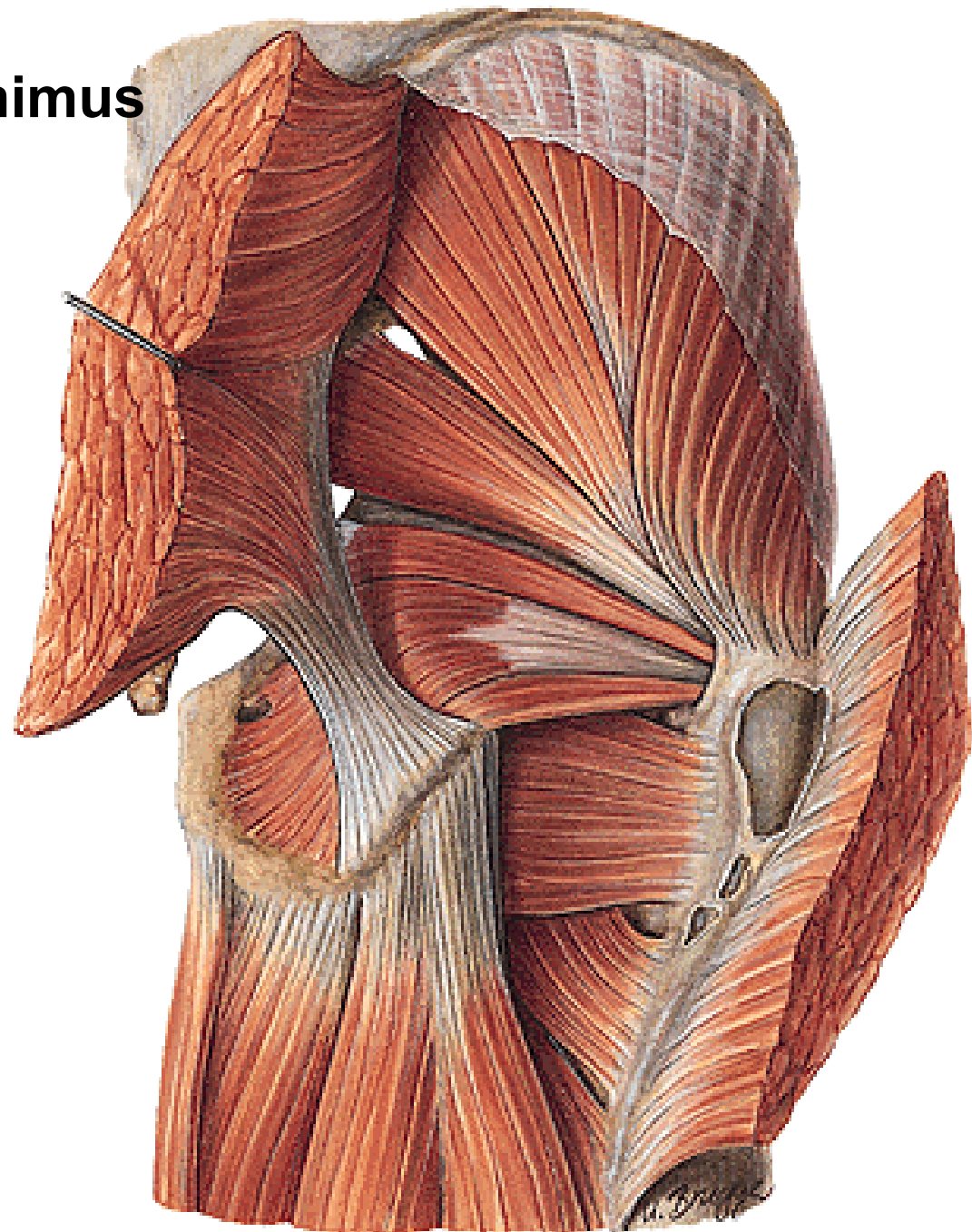
Nn. clunium medii (rr. dors.S1-S3)

Nn. clunium inf. (N. cutaneus femoris post.)

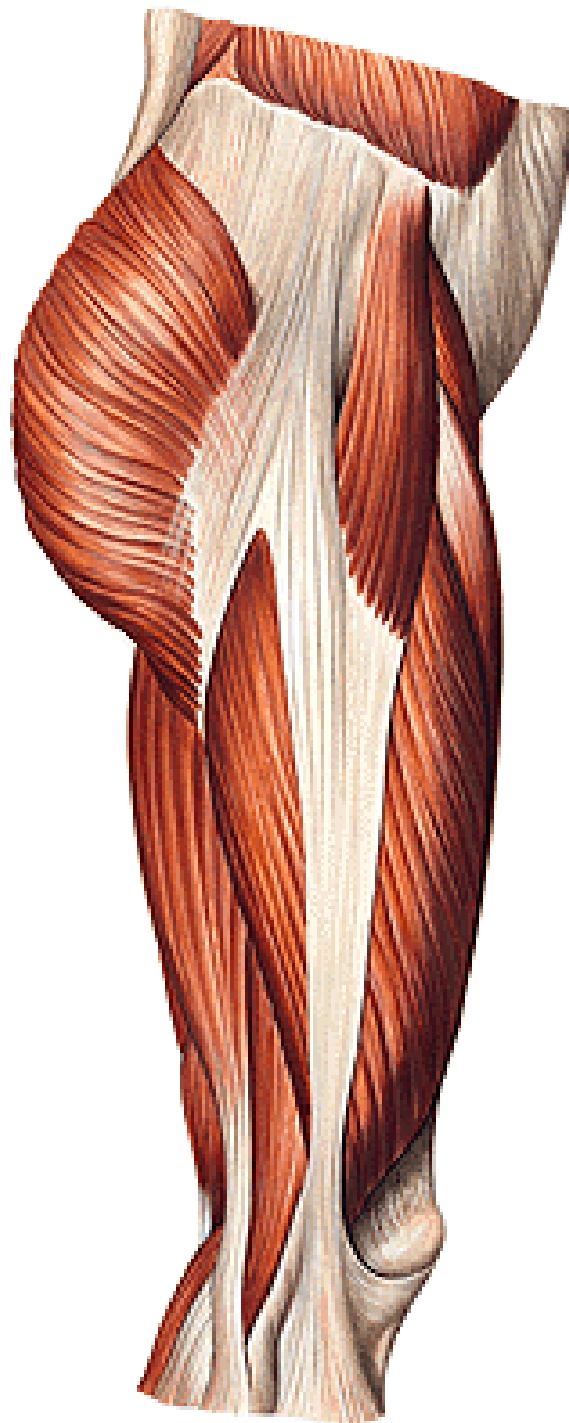
M. gluteus maximus



M. gluteus medius et minimus
M. piriformis →
Foramen suprapiriforme
Foramen infrapiriforme
M. obturatorius internus
M. gemellus superior et inferior
M. quadratus femoris

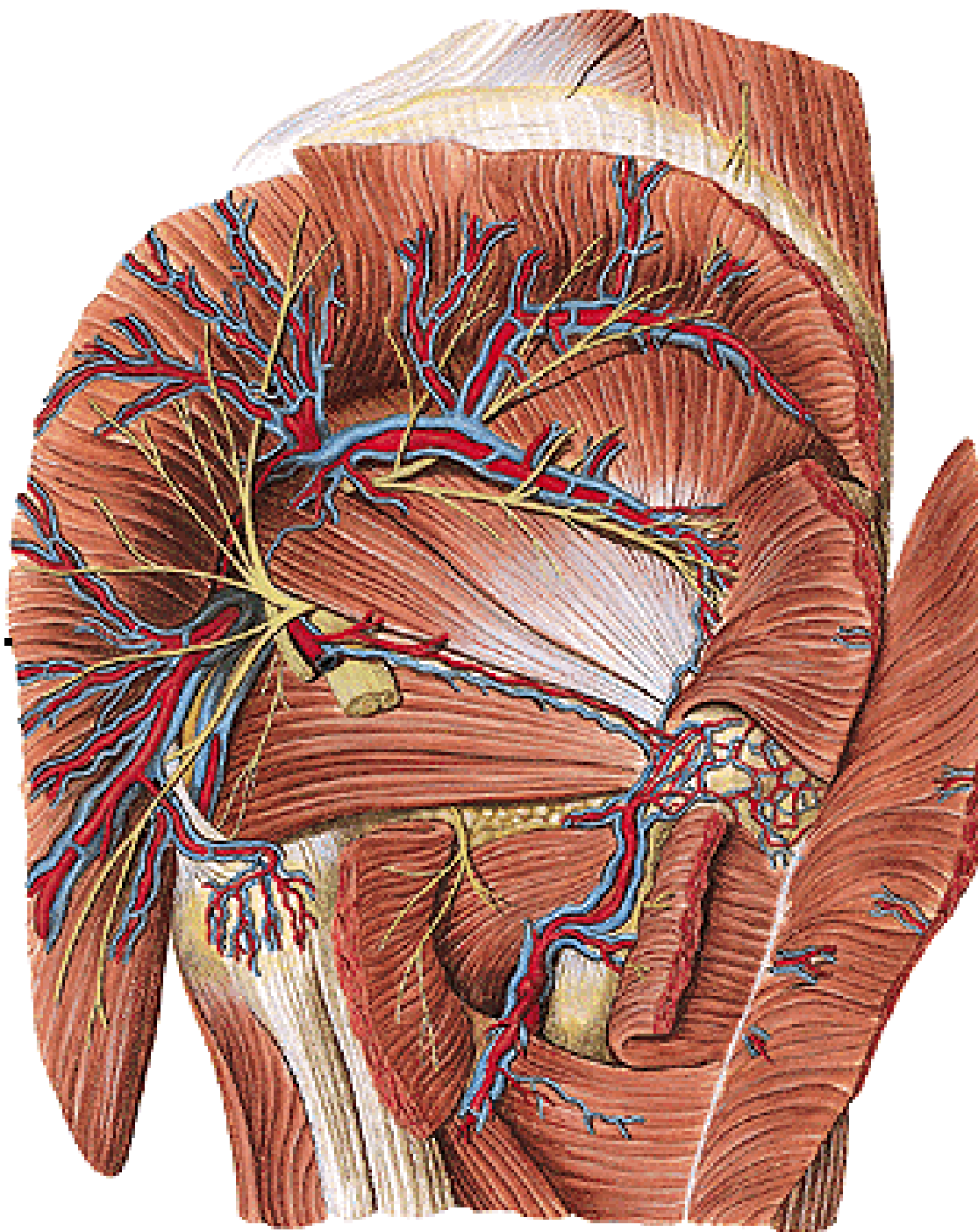


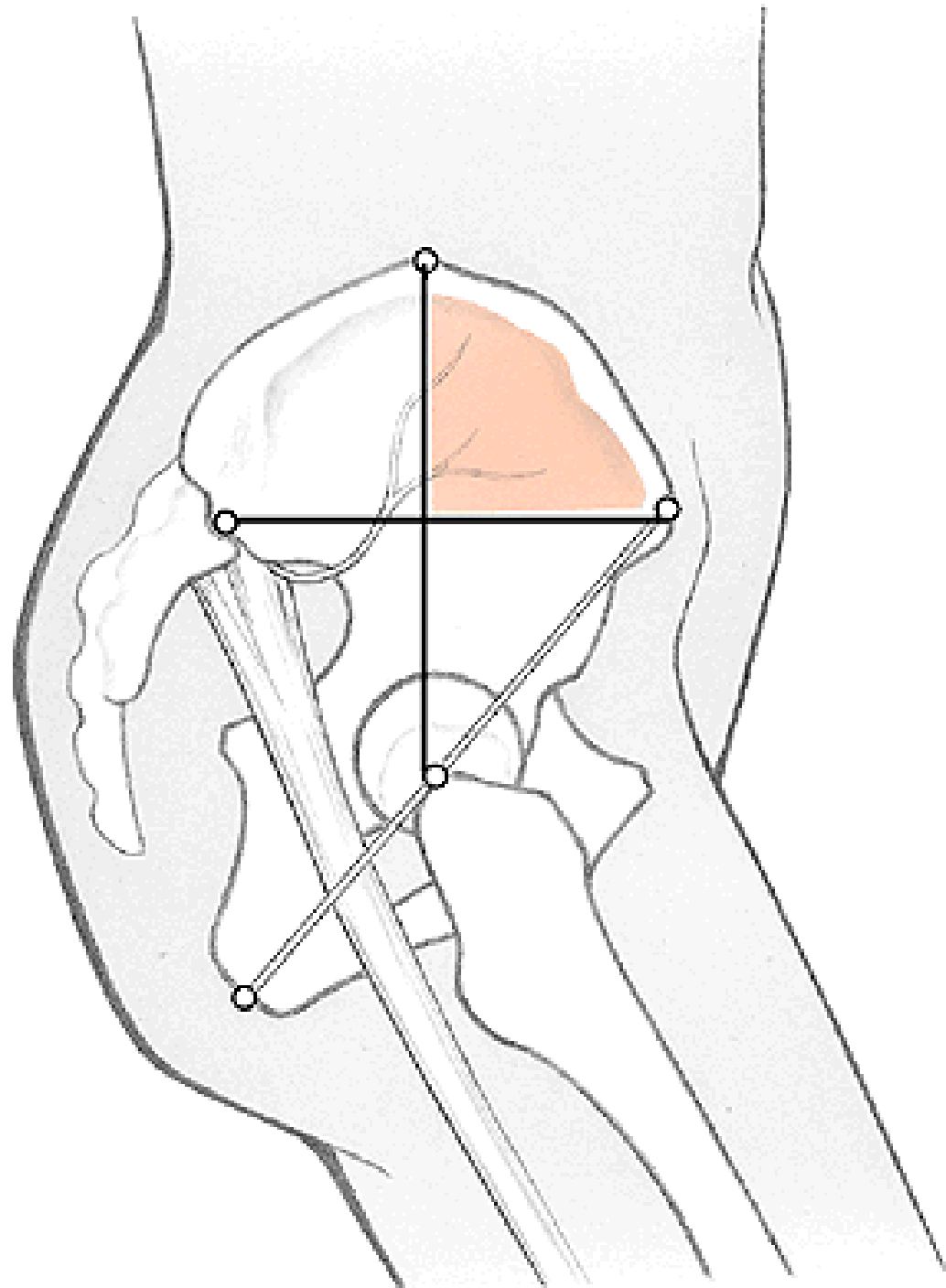
M. tensor fasciae latae
Tractus iliotibialis



**For. suprapiriforme:
Nn. et vasa glutea sup.
(m. gluteus medius,
m. gluteus minimus)**

**For. infrapiriforme:
Nn. et vasa glutea inf.
N. ischiadicus
N. cutaneus femoris post.
N. pudendus
Vasa pudenda interna**





REGIO FEMORIS ANTERIOR

Rr. anteriores n. femoralis

N. cutaneus femoris lat.

N. ilioinguinalis

N. genitofemoralis

N. obturatorius

A. femoralis – a. epigastrica spf.

– a. circumflexa ilium spf.

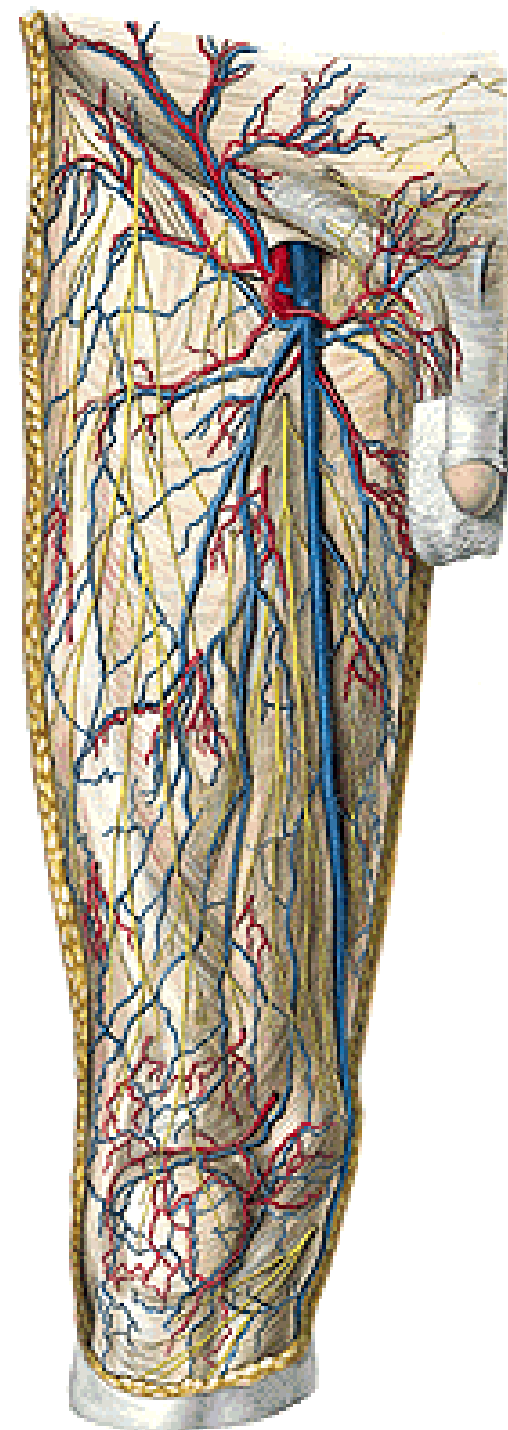
– aa. pudendae externae

– rr. scrotales (labiales) ant.

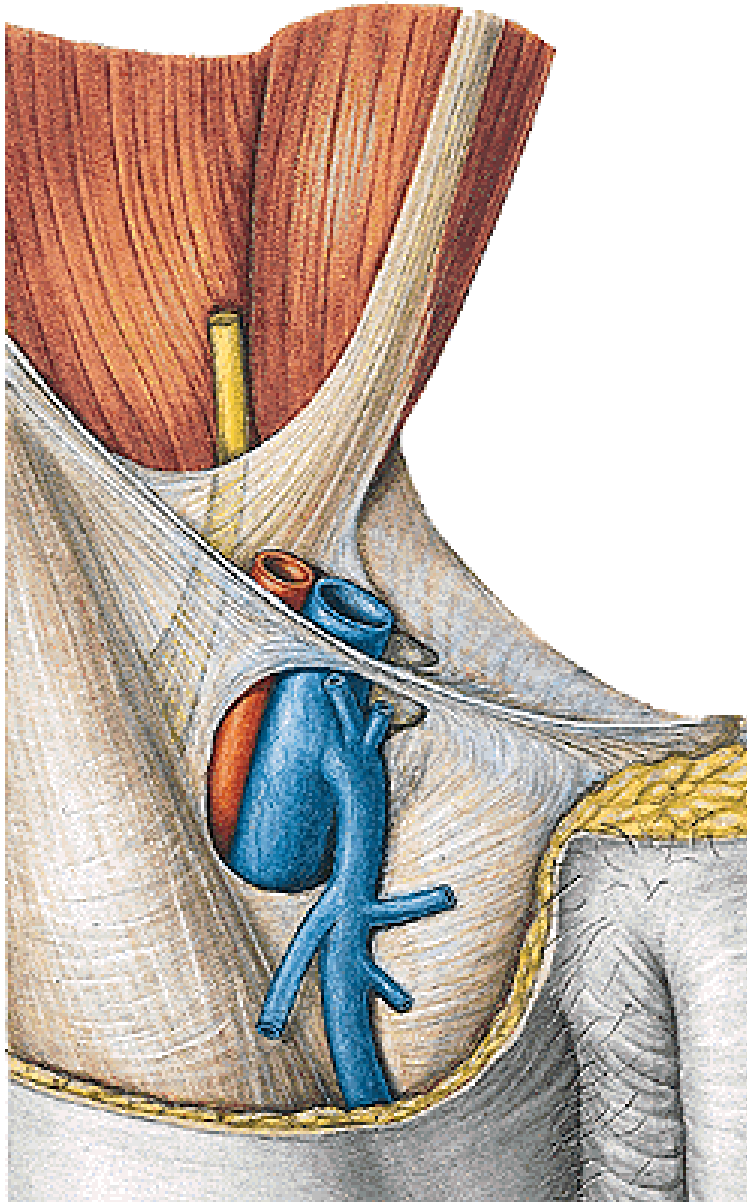
V. saphena magna – v. saphena access.

lat. et med.

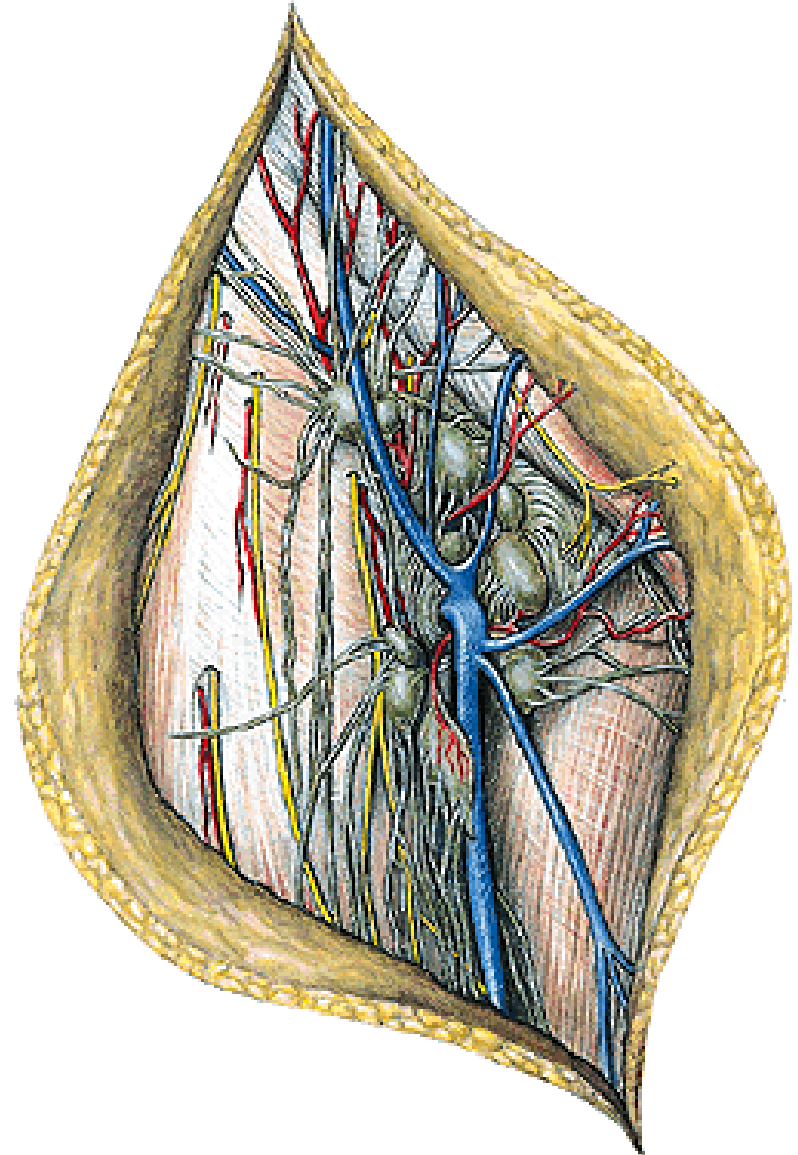
Fascia lata – hiatus saphenus



**Hiatus saphenus – margo
falciformis**



**Nodi lymph. inguinales spf.
→ nll. iliaci externi**



M. iliopsoas

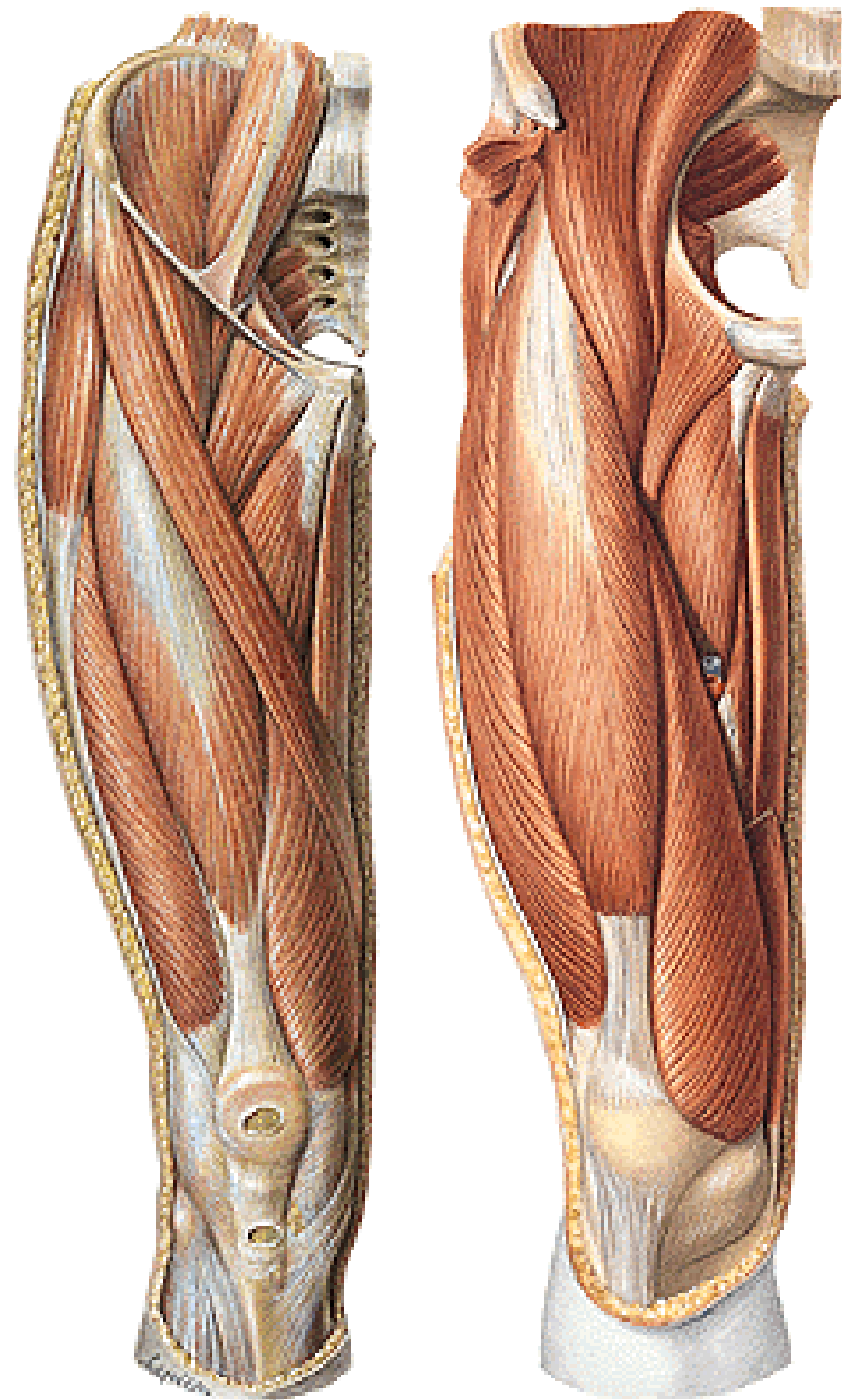
- M. iliacus
- M. psoas major
(M. psoas minor)

M. sartorius

M. quadriceps femoris:

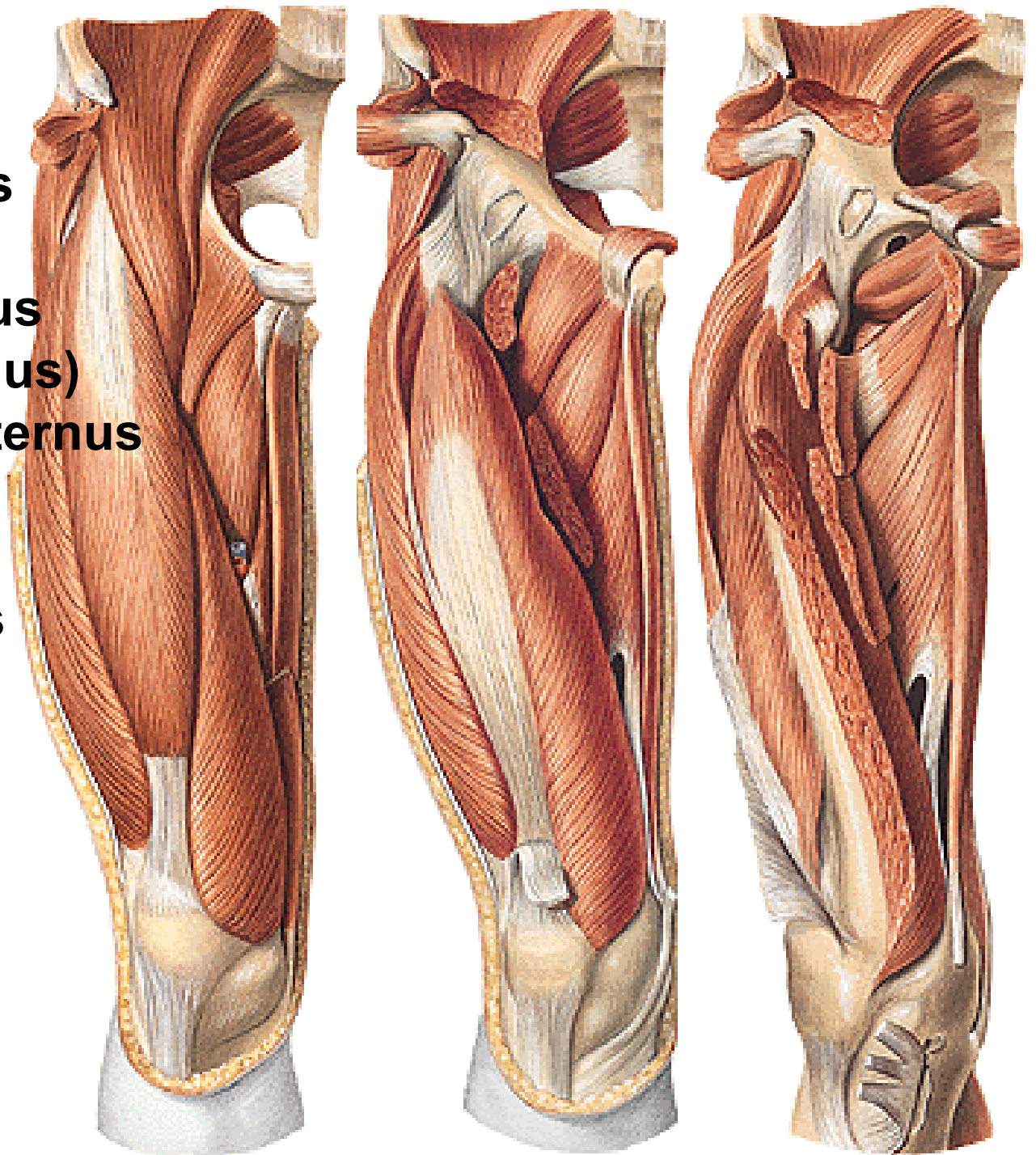
M. rectus femoris

**M. vastus med., lat.,
intermedius**



M. pectineus
M. adductor longus
M. adductor brevis
M. adductor magnus
(m.adductor minimus)
M. obturatorius externus
M. gracilis

Hiatus adductorius

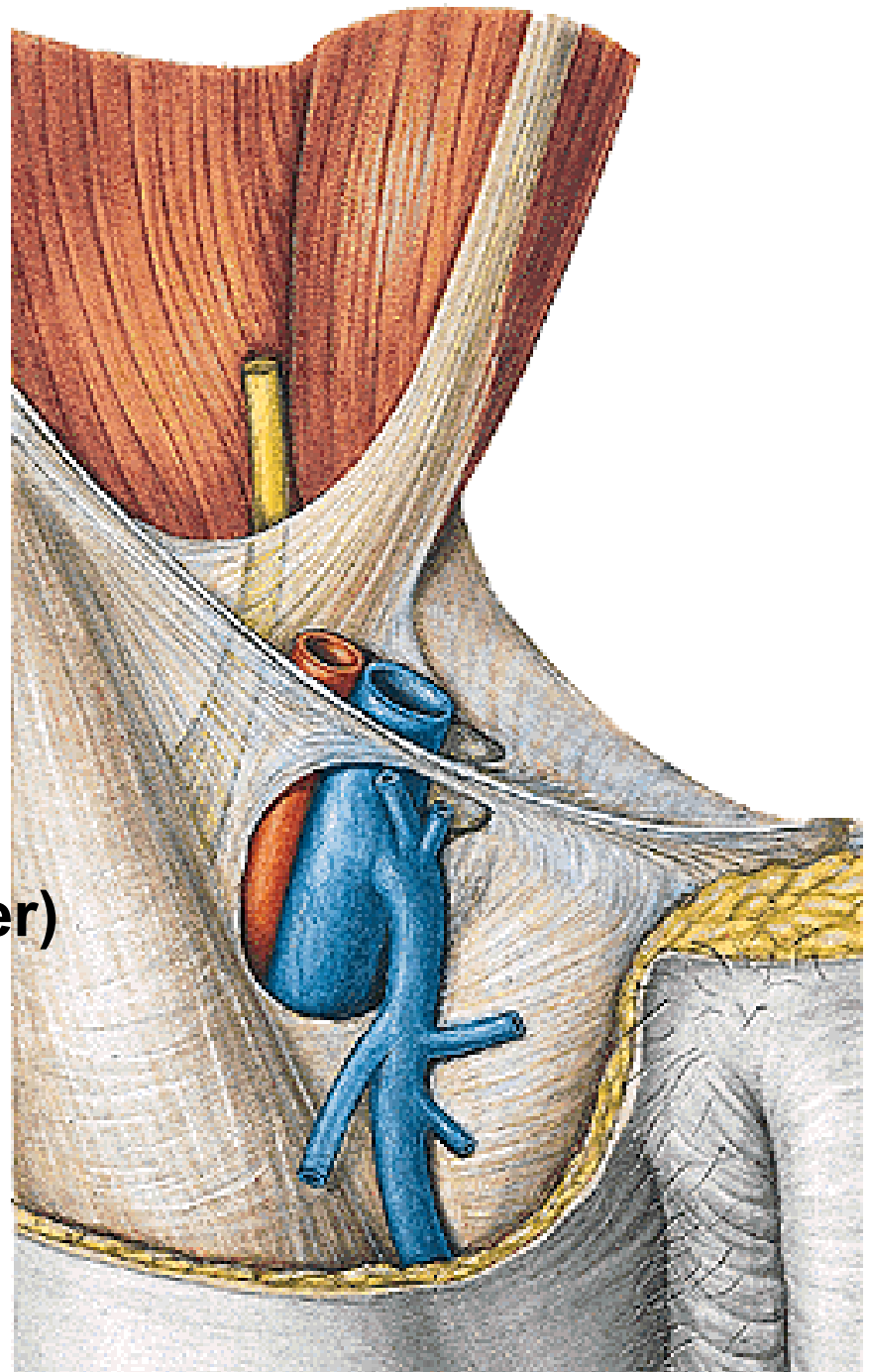


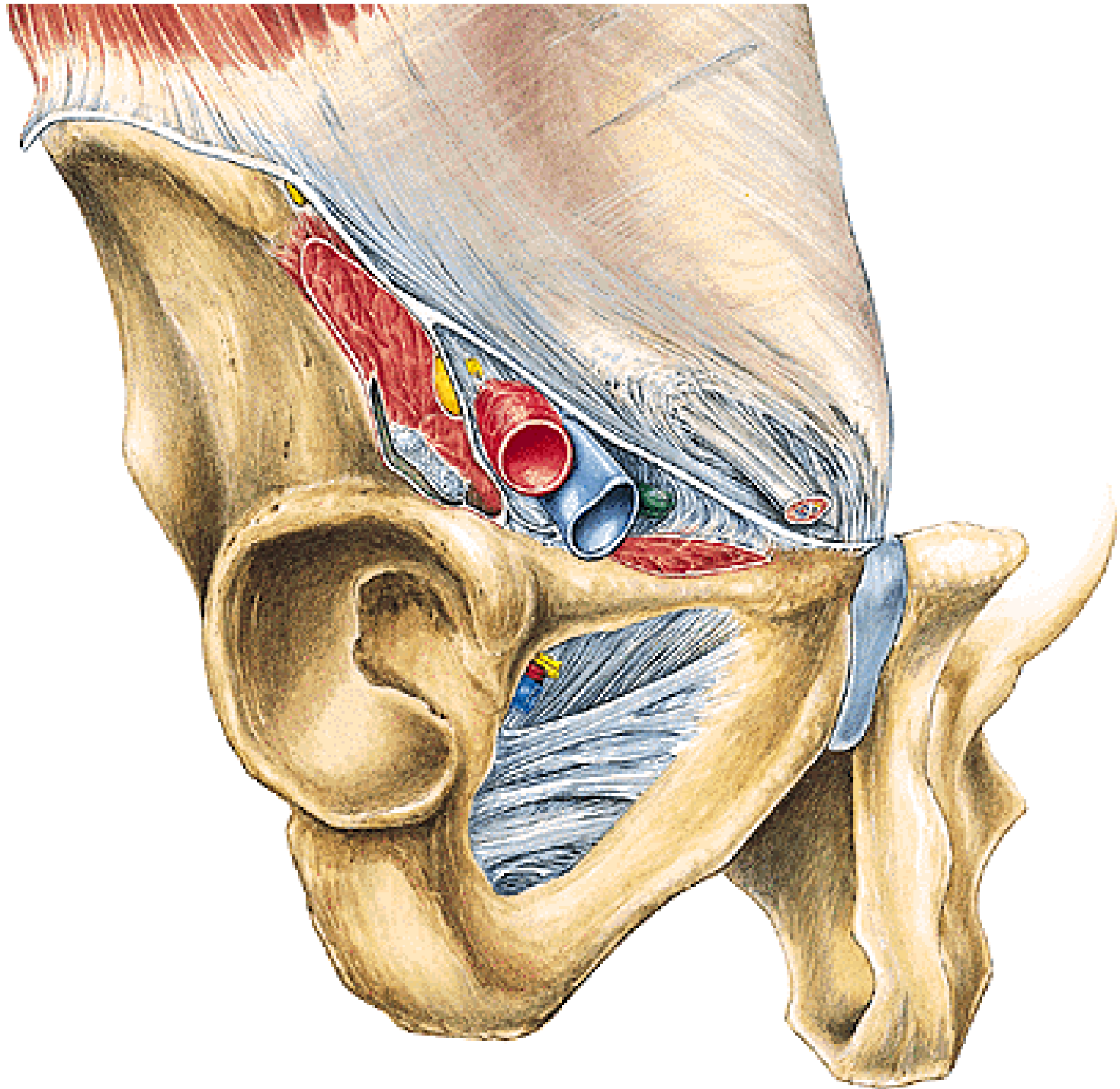
Lacuna musculorum
Lacuna vasorum

Arcus iliopectineus

Lig. inguinale
Lig. lacunare

Anulus (canalis) femoralis
- n. lymph. inguinalis prof.
(of Cloquet and Rosenmüller)



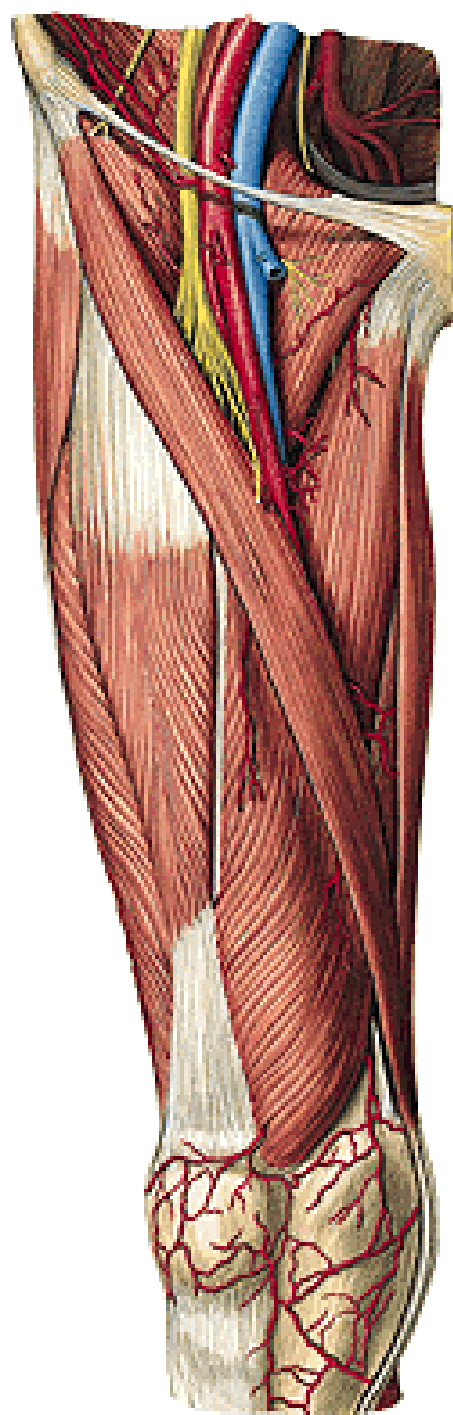


Trigonum femorale

- A. et v. femoralis
- N. femoralis

Fossa ilipectinea

- A. et v. femoralis prof.



Canalis adductorius
Lamina vastoadductoria
**Hiatus tendineus/
adductorius**

N. saphenus

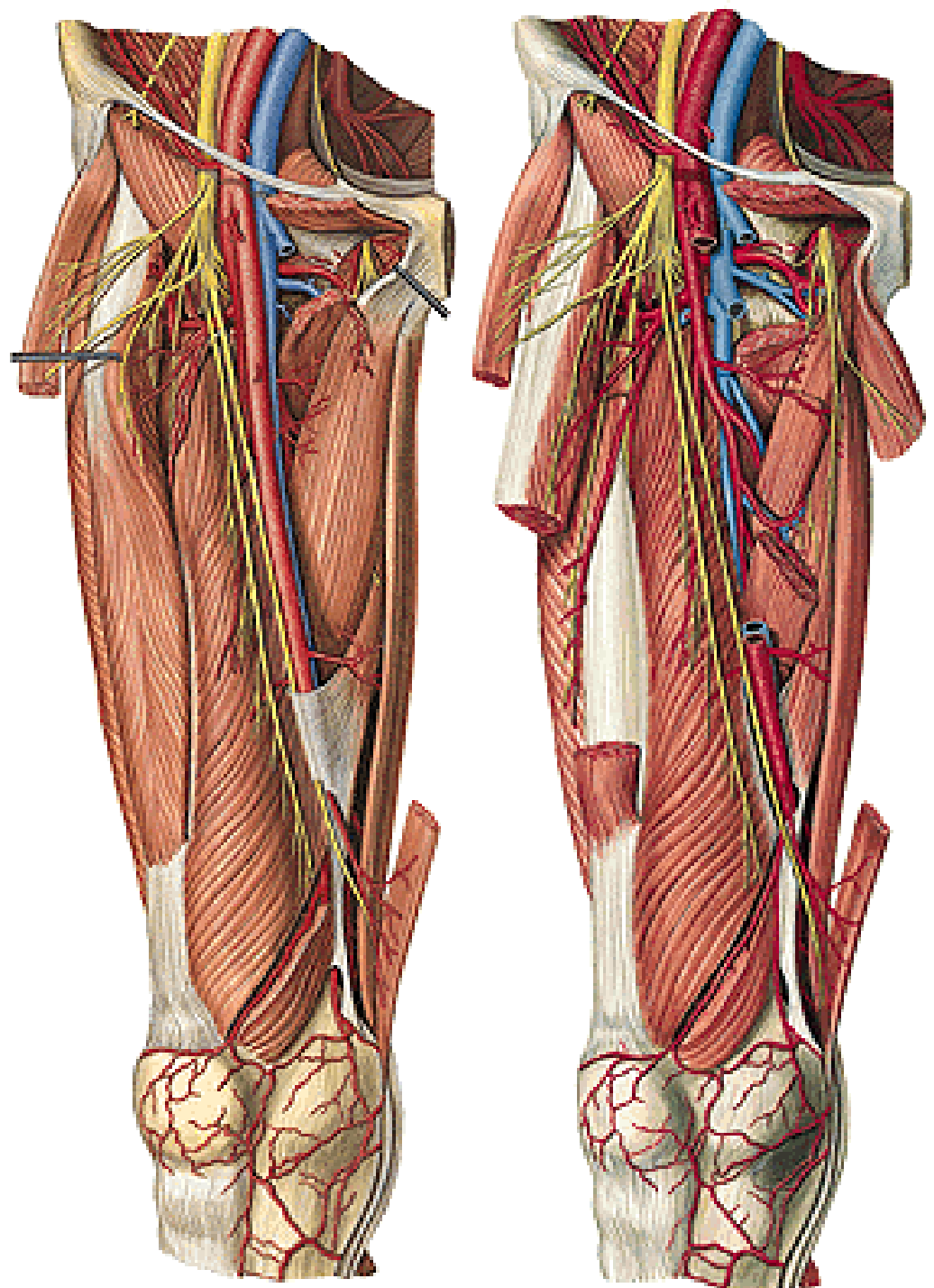
A. genus descendens

N. obturatorius

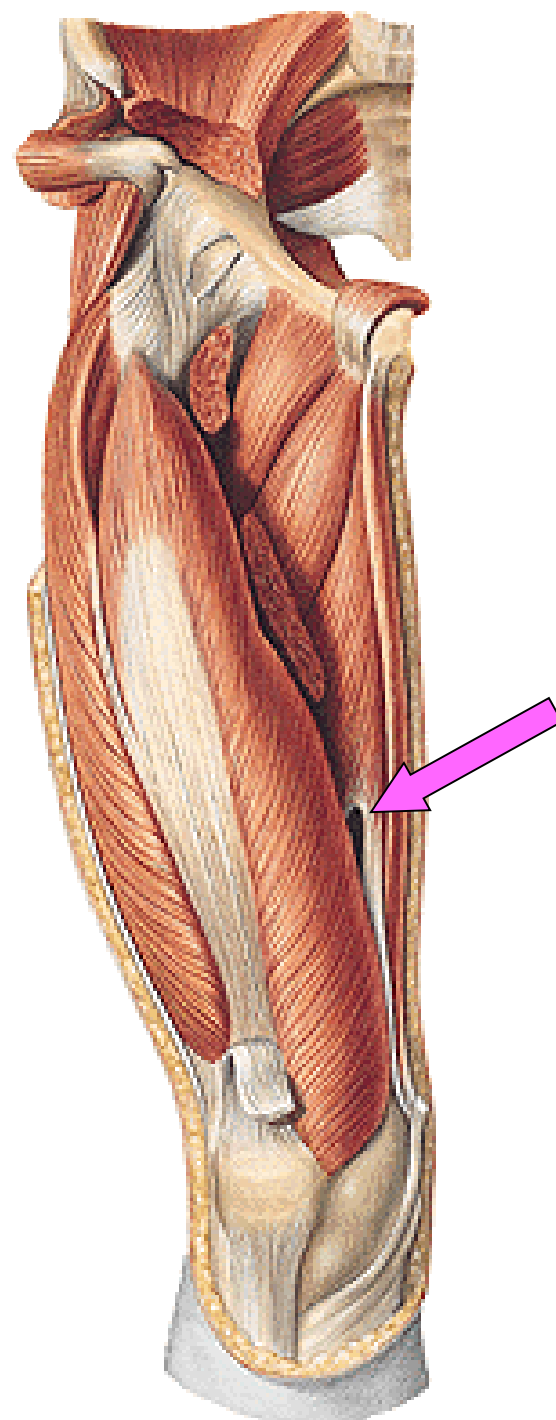
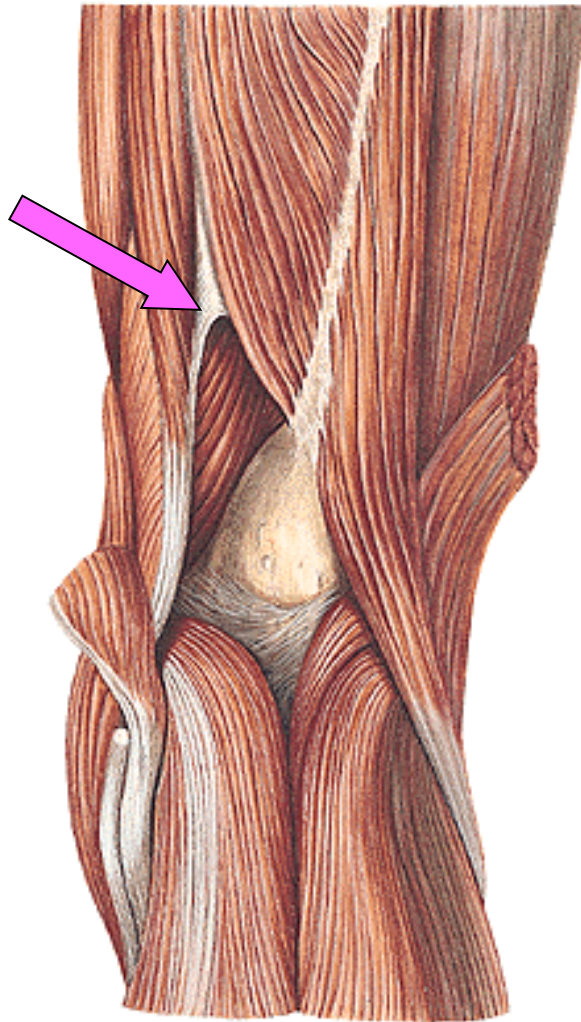
- r. anterior
- r. posterior

A. et v. obturatoria

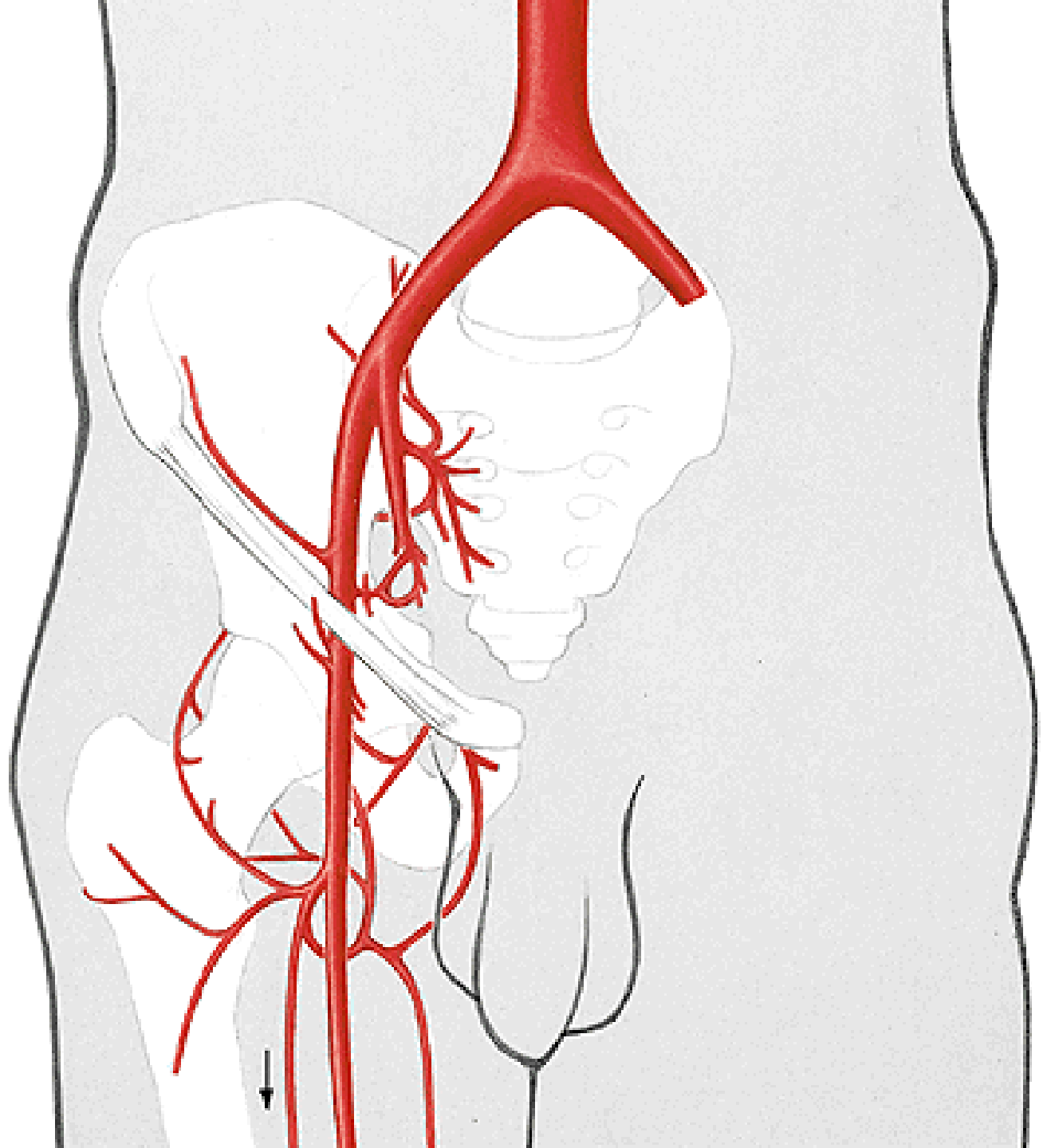
- r. anterior
- r. posterior
- r. acetabularis



Hiatus tendineus/adductorius (Hunter)



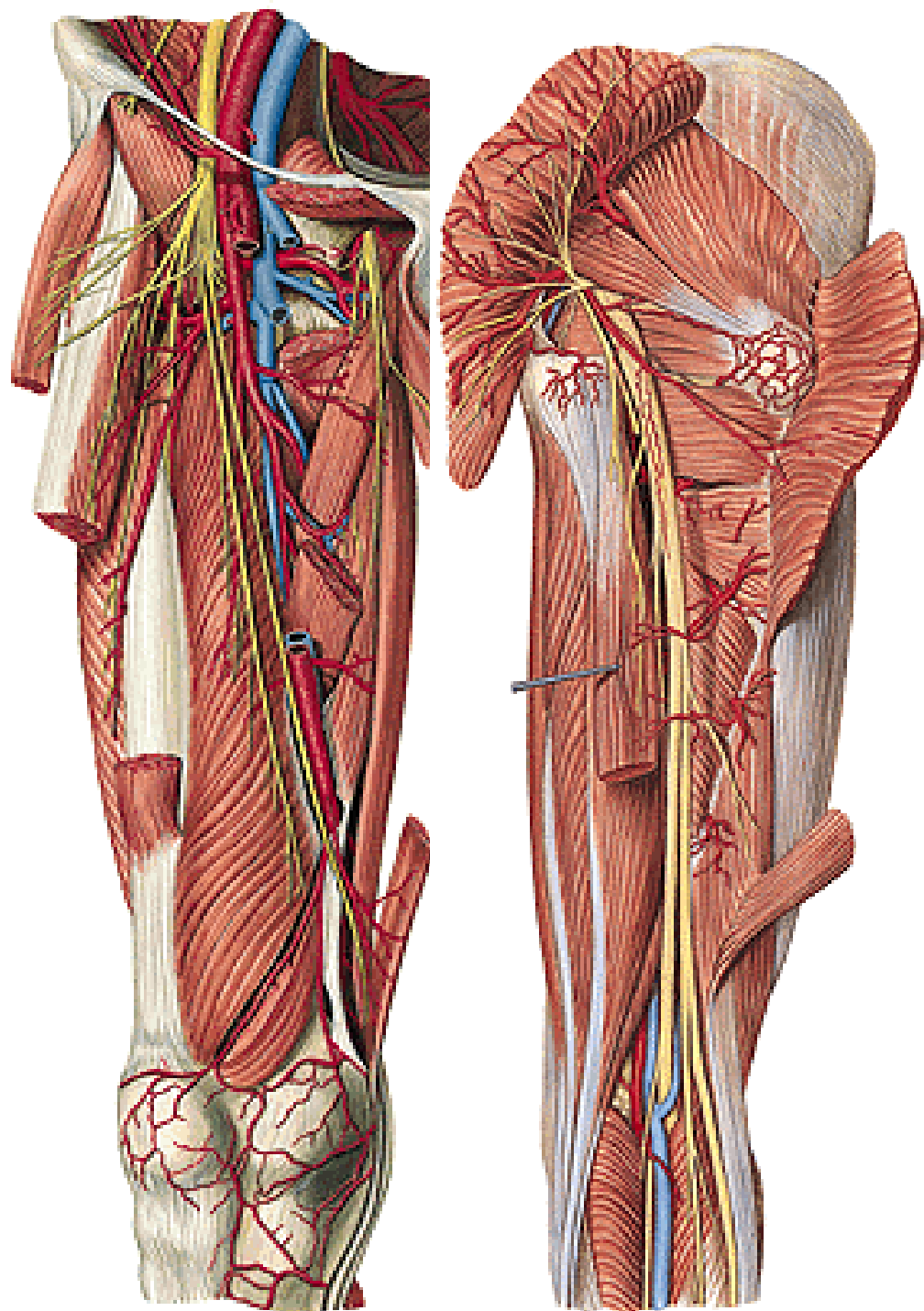
A. iliaca externa
A. femoralis



A. profunda femoris
Rr. musculares
A. genus descendens

A. PROFUNDA FEMORIS:

**A. circumflexa femoris
medialis**
A. circumflexa femoris lat.
A. perforans prima
A. perforans secunda
A. perforans tertia



REGIO FEMORIS POSTERIOR

REGIO FEMORIS POSTERIOR

N. cutaneus femoris post.

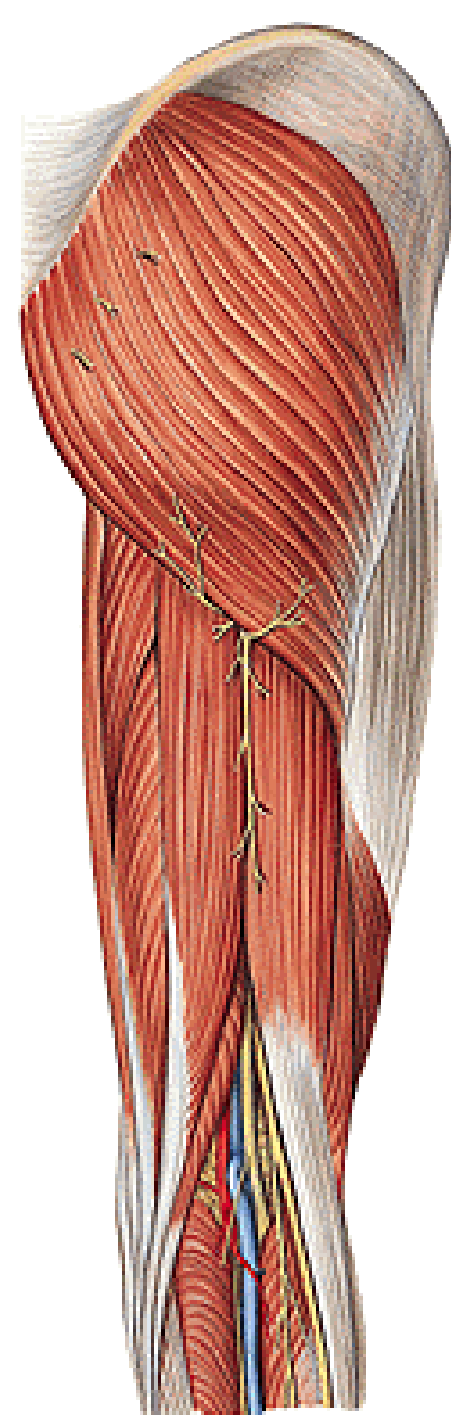
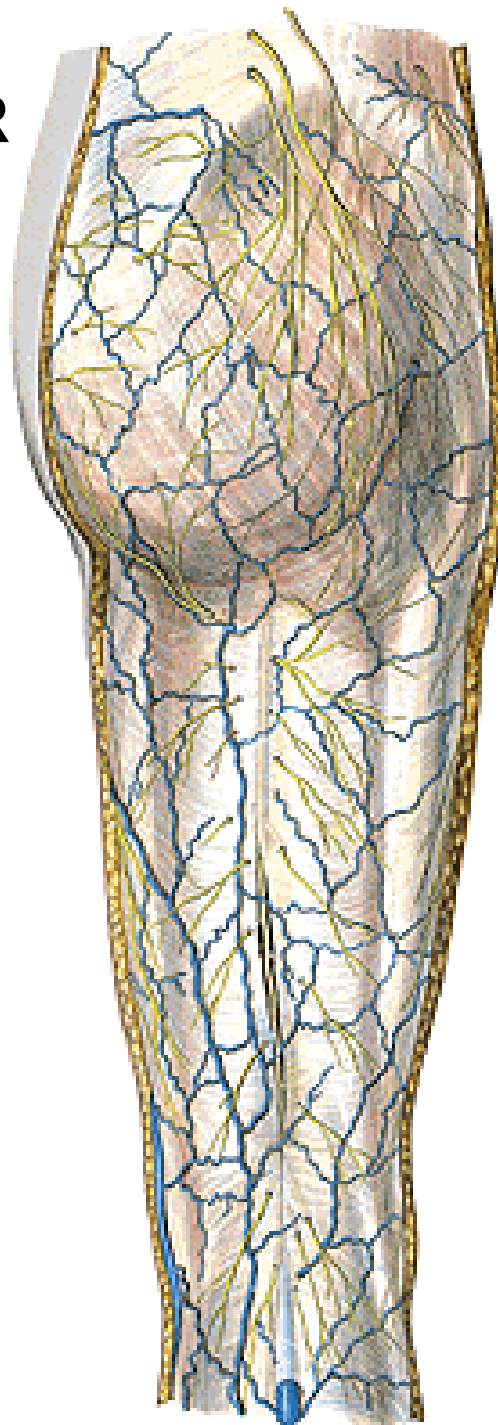
V. femoropoplitea

M. biceps

M. semitendinosus

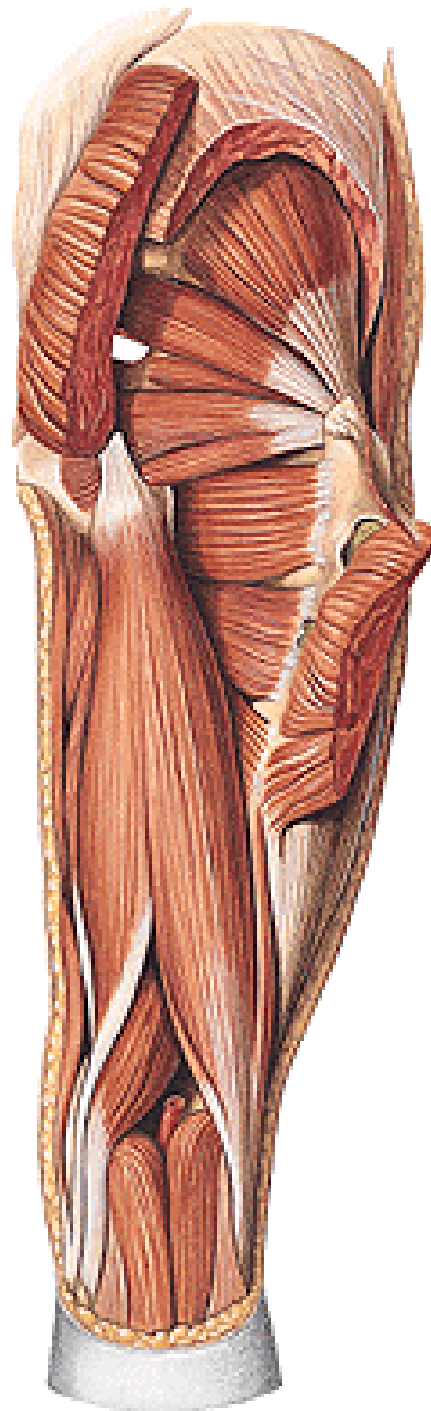
M. semimembranosus

(hamstrings)



Hamstrings

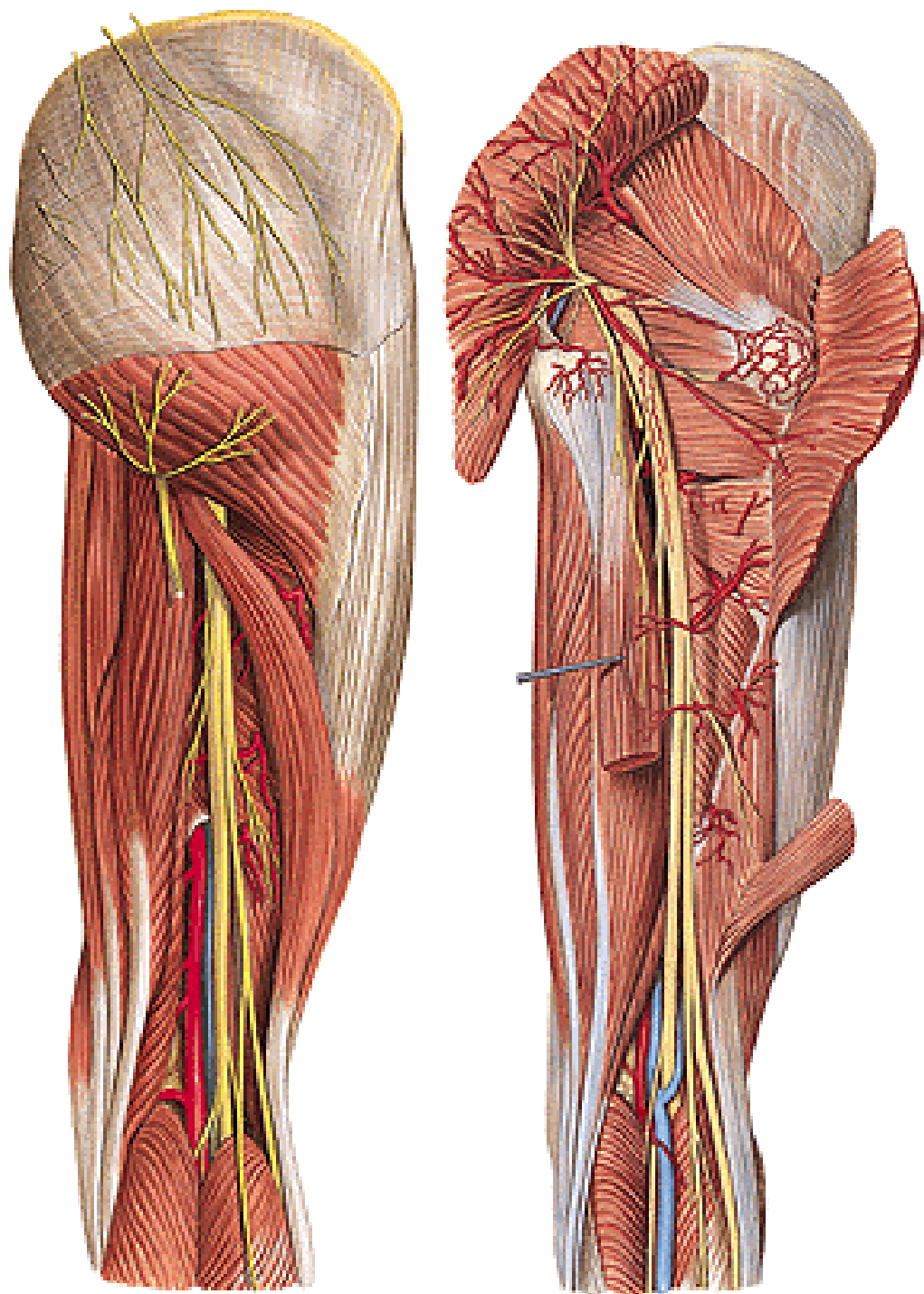
Pes anserinus



N. ischiadicus
– n. tibialis
- n. fibularis/
peroneus communis

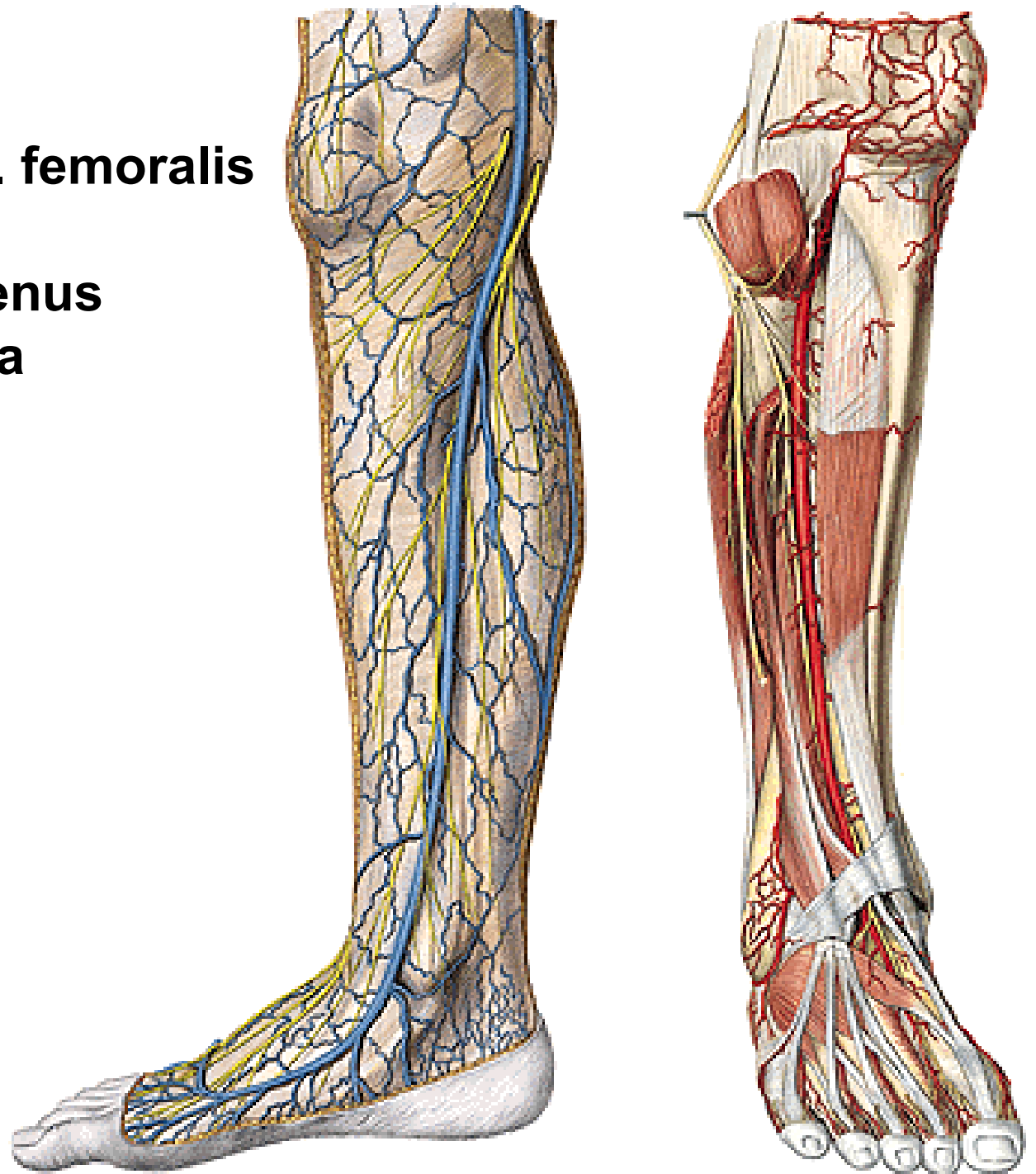
A. comitans n. ischiadici

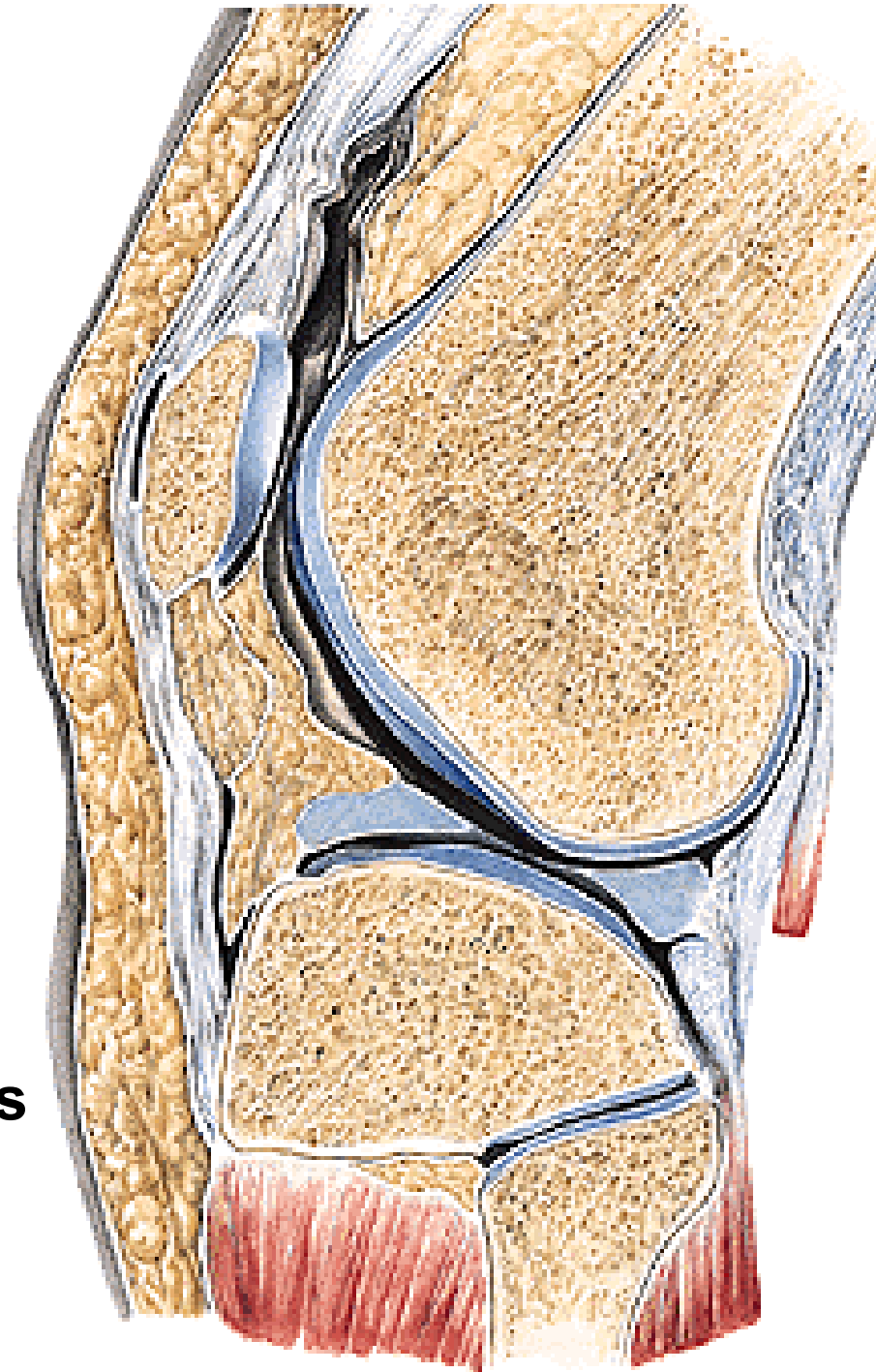
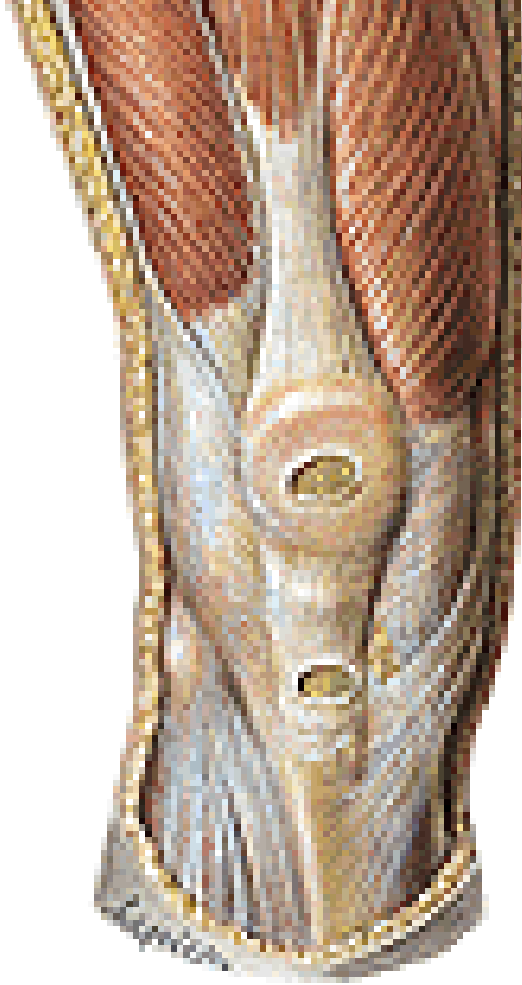
Aa. perforantes



REGIO GENUS ANTERIOR

Rr. cutanei ant. n. femoralis
R. infrapatellaris
Rete articulare genus
V. saphena magna





Bursa subcutanea prepatellaris
Bursa subcutanea infrapatellaris
Bursa infrapatellaris profunda
Bursa suprapatellaris

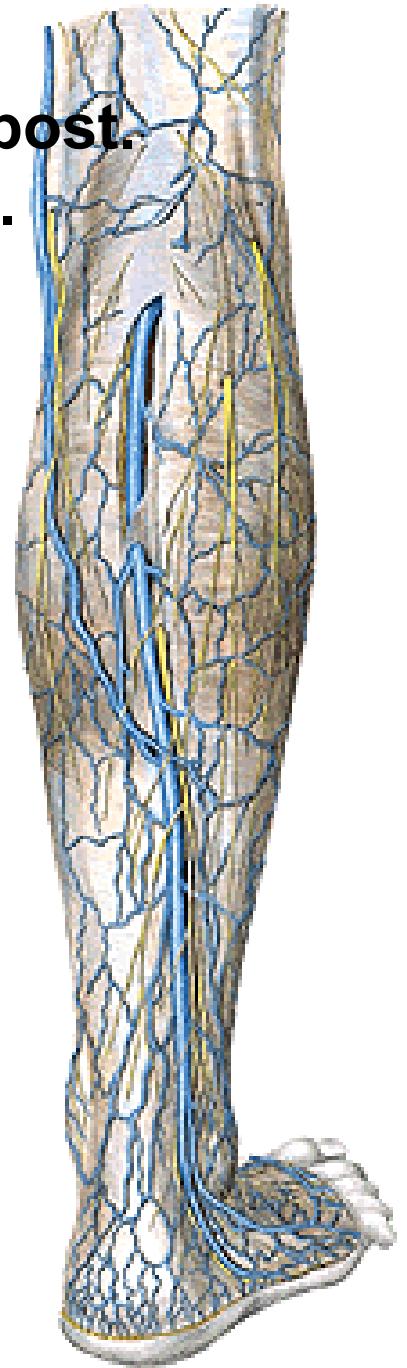
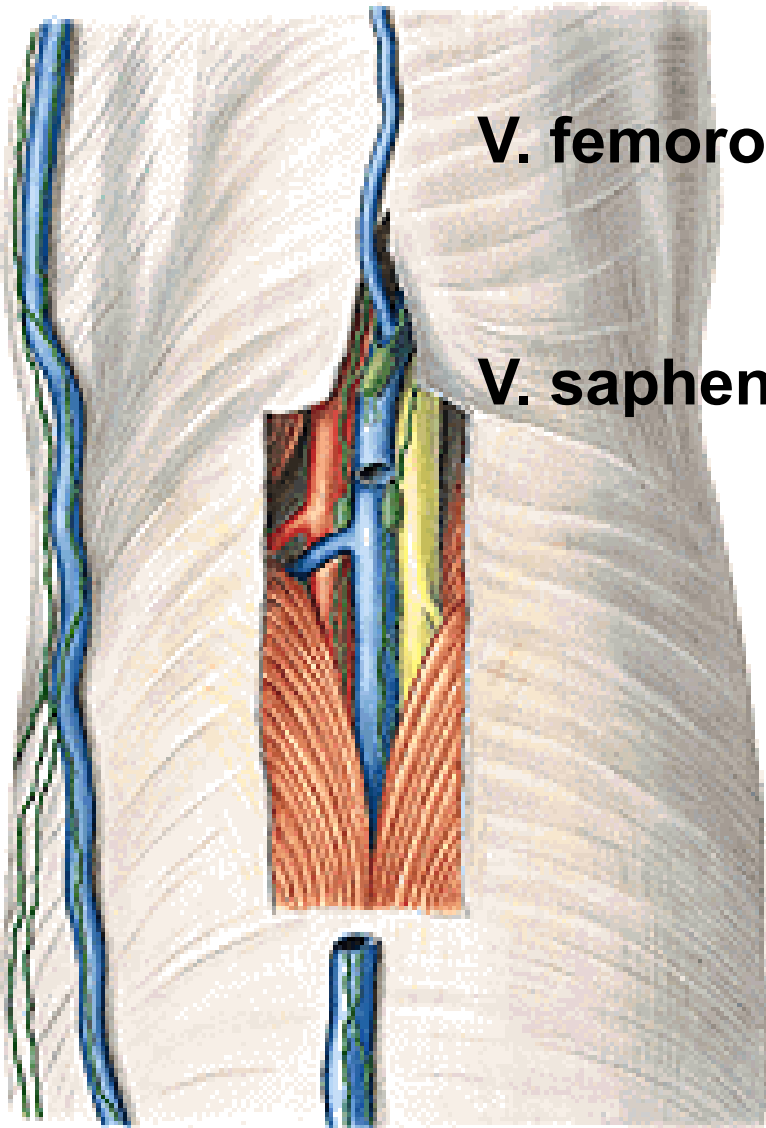
REGIO GENUS POSTERIOR

N. cutaneus femoris post.
N. cutaneus surae lat.

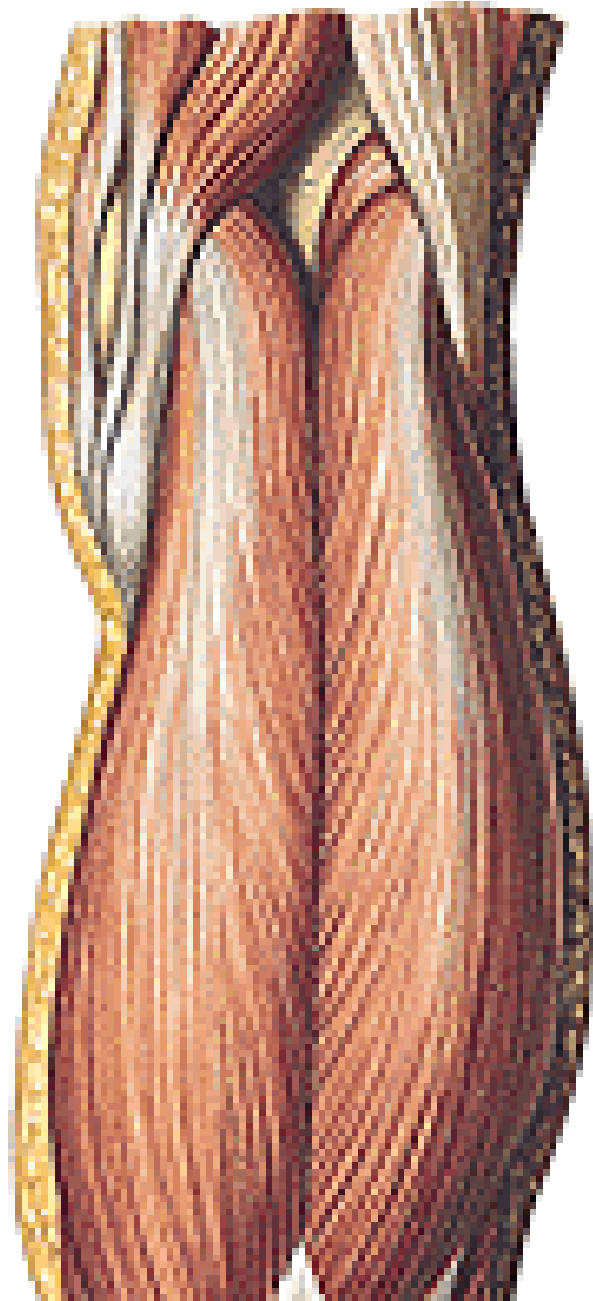
V. femoropoplitea

V. saphena parva

Nodi lymph. poplitei



Fossa poplitea



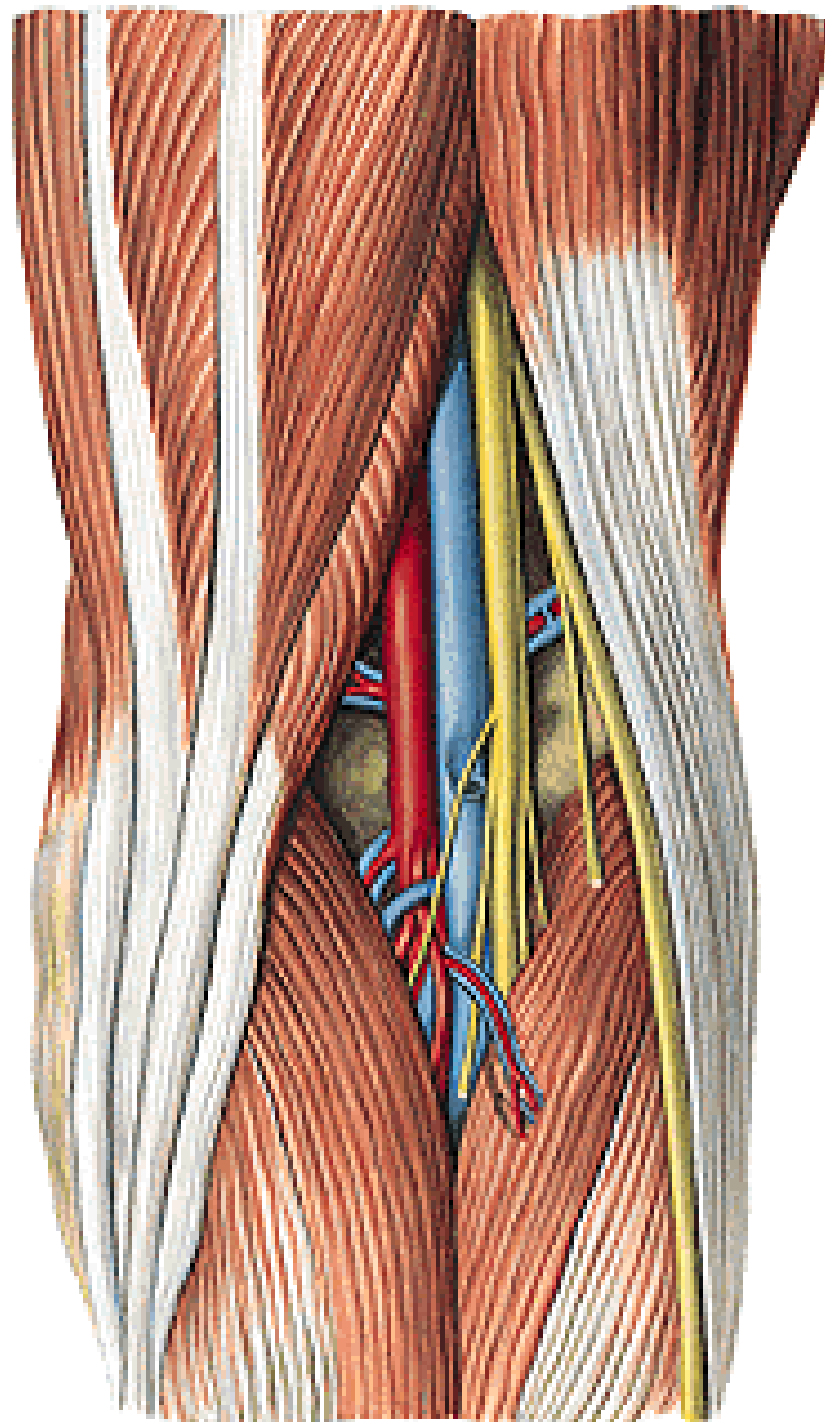
Fossa poplitea

A. poplitea

V. poplitea

N. tibialis

N. fibularis comm.



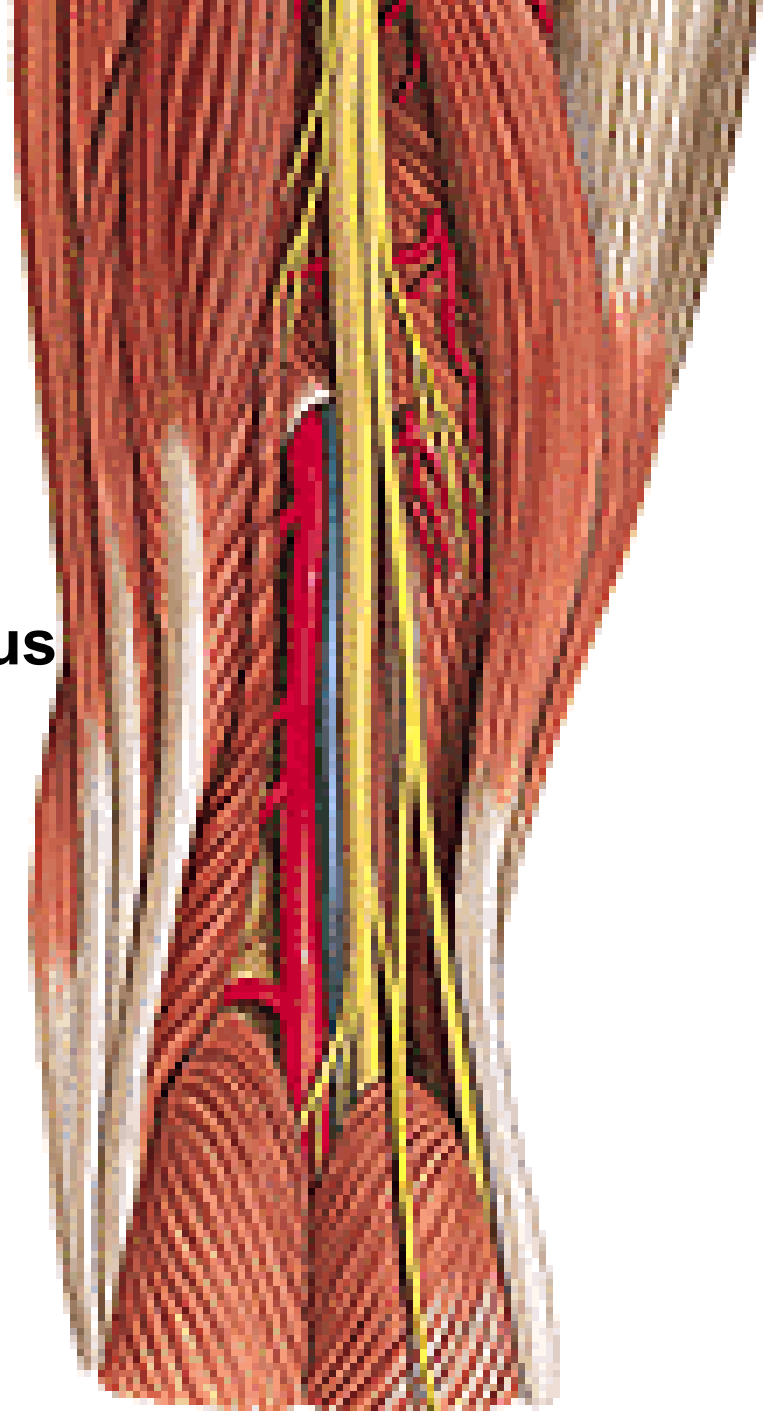
N. tibialis

- n. cutaneus surae med.

N. fibularis/peroneus comm.

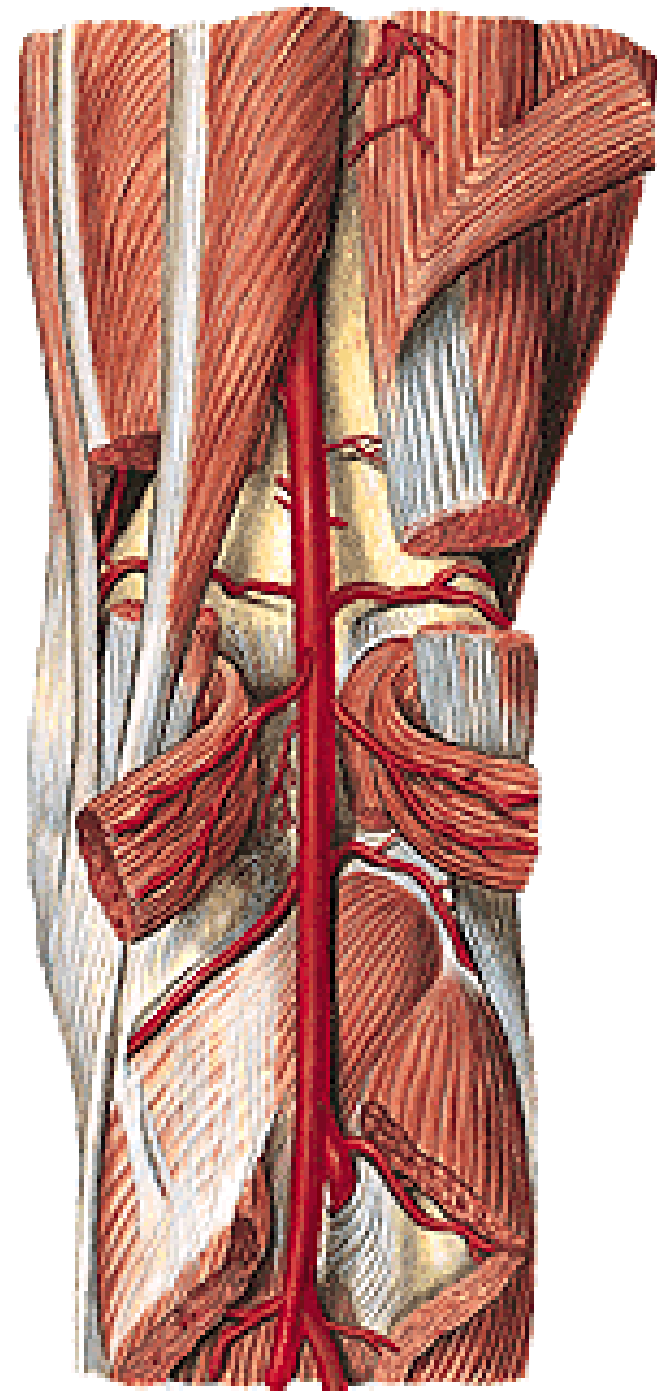
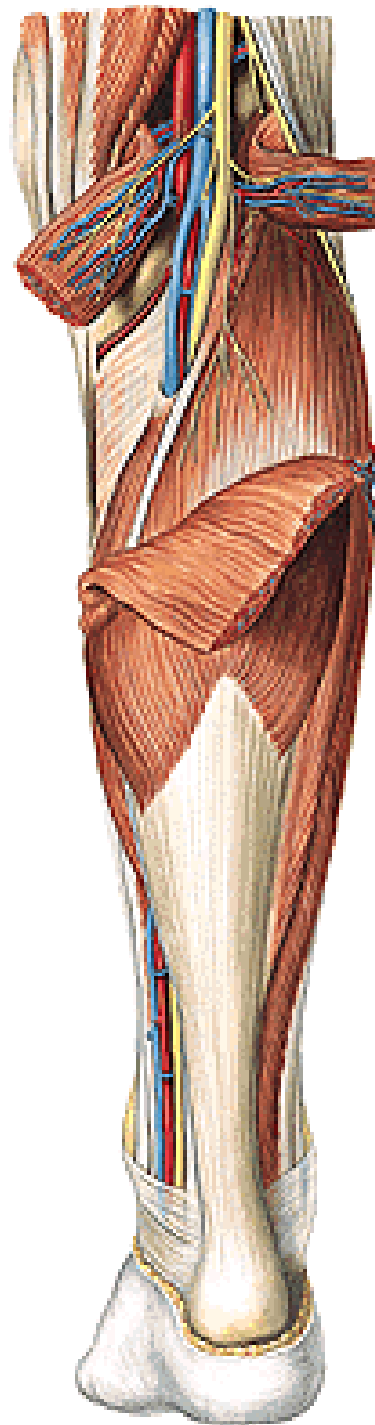
- n. cutaneus surae lat.
- r. communicans fibularis/peroneus

→ n. suralis



A. poplitea

- aa. surales
- a. genus sup. med.
- a. genus sup. lat.
- a. genus media
- a. genus inf. med.
- a. genus inf. lat.
- a. tibialis post.
- a. tibialis ant.

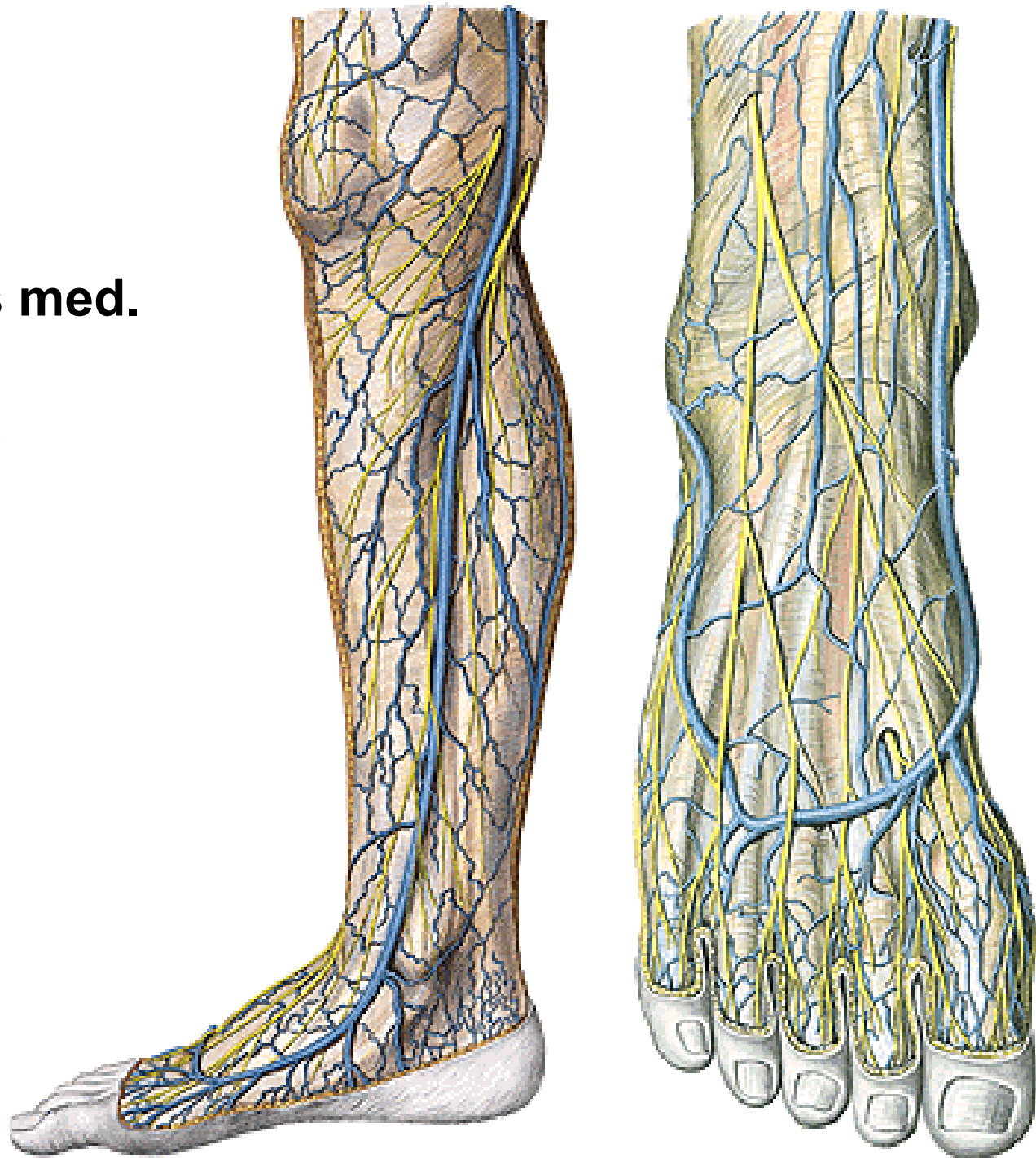


REGIO CRURIS ANTERIOR

N. saphenus
- r. infrapatellaris
- rr. cutanei cruris med.

V. saphena magna

N. fibularis spf.



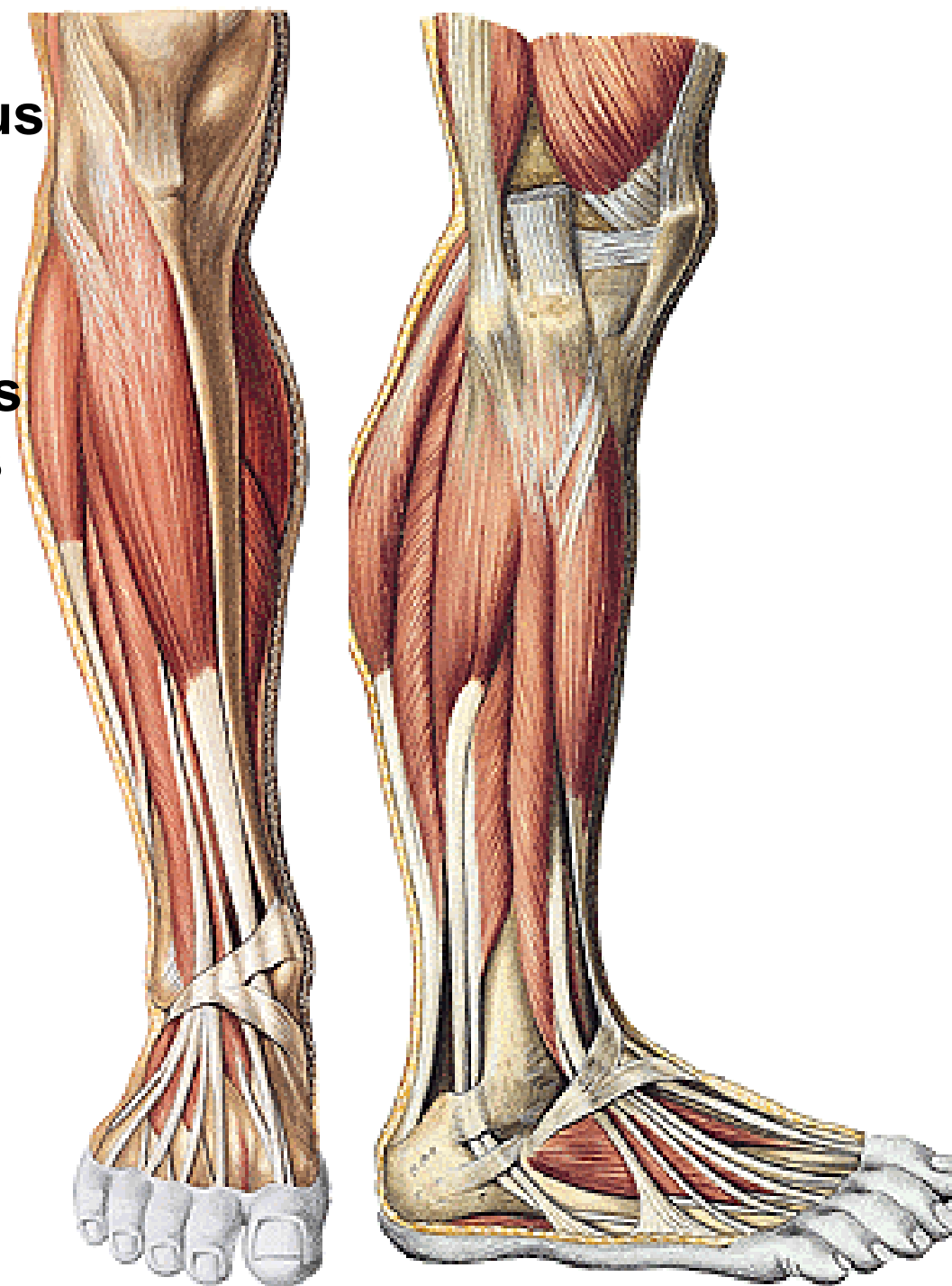
M. tibialis ant.

**M. extensor digitorum longus
(M. fibularis/per. tertius)**

M. extensor hallucis longus

M. fibularis/peroneus longus

M. fibularis/peroneus brevis

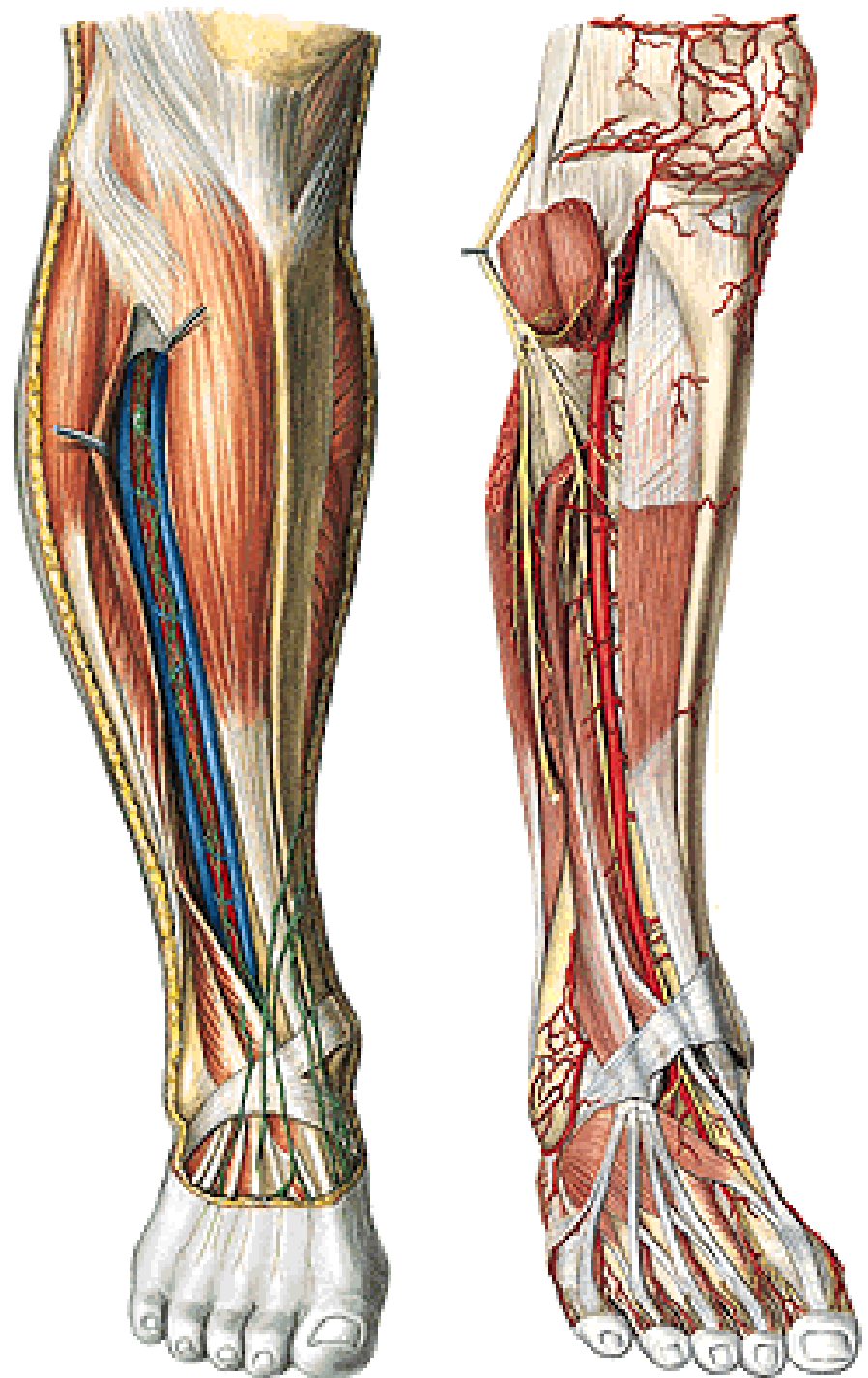


N. fibularis comm.

- n. fibularis prof.
- n. fibularis spf.

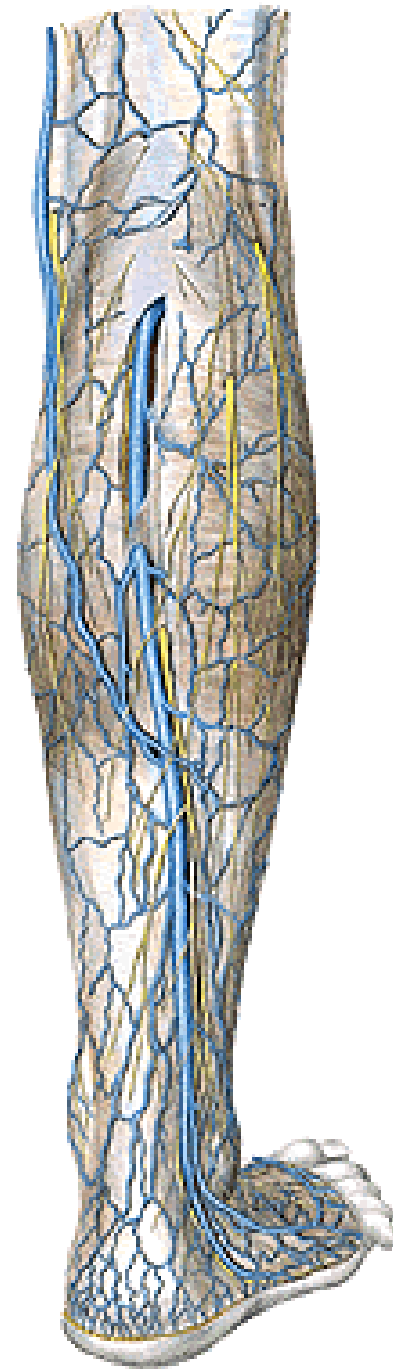
A. tibialis ant.:

- a. recurrens tibialis post.
- a. recurrens tibialis ant.
- rr. musculares
- a. malleolaris ant. med.
- a. malleolaris ant. lat.
- a. dorsalis pedis



REGIO CRURIS POSTERIOR

V. saphena parva
N. suralis
N. cutaneus surae lat.

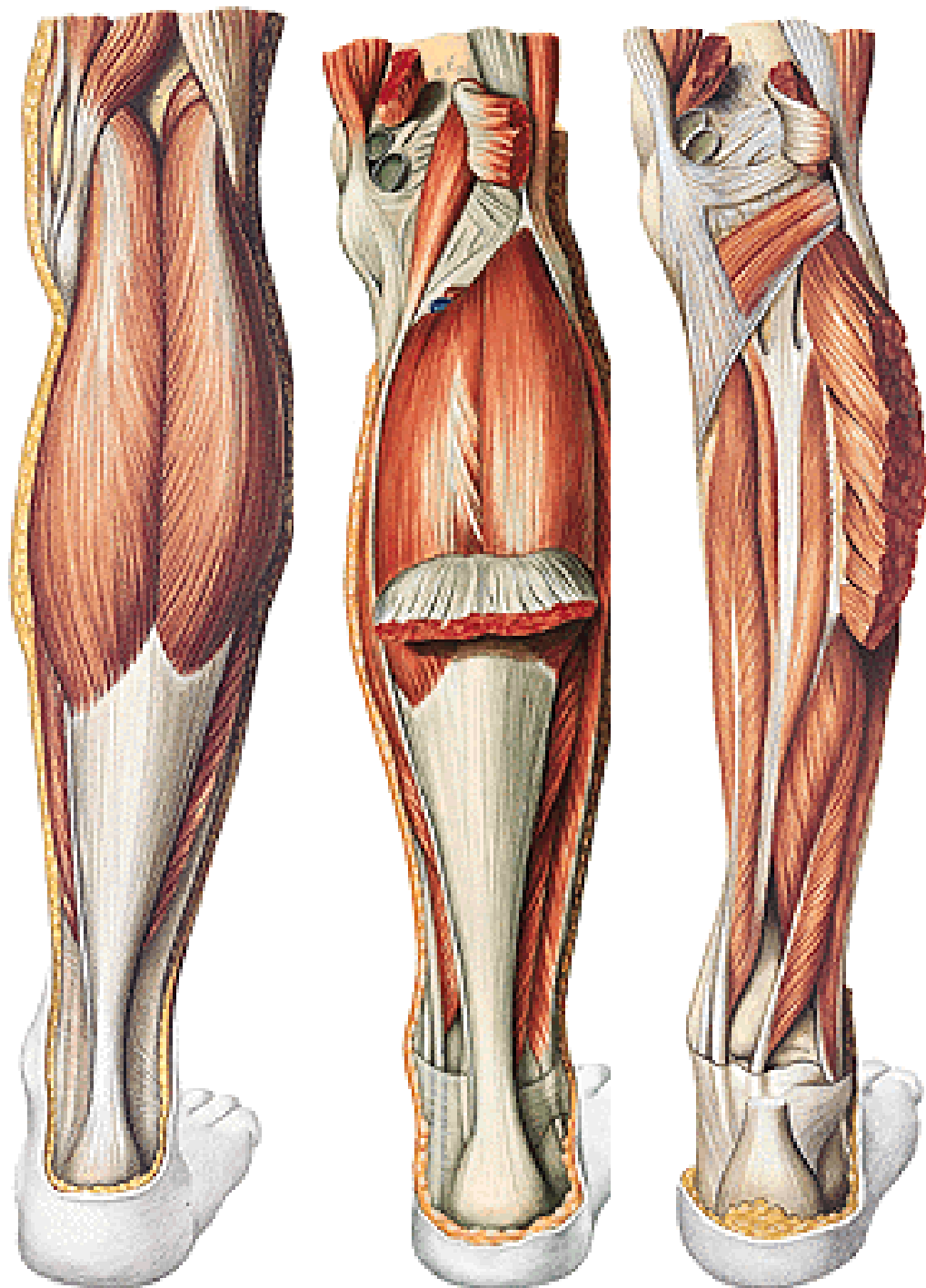


- M. triceps surae**
 - m. gastrocnemius
 - caput lat.
 - caput med.
 - m. soleus

Arcus tendineus m. solei

- M. plantaris**
- M. popliteus**

- M. flexor hallucis longus**
- M. flexor digitorum longus**
- M. tibialis post.**



A. tibialis post.

- rr. musculares
- r. circumflexus fibulae
- a. fibularis
- rr. malleolares med.
- rr. calcaneares
- a. plantaris med. et lat.

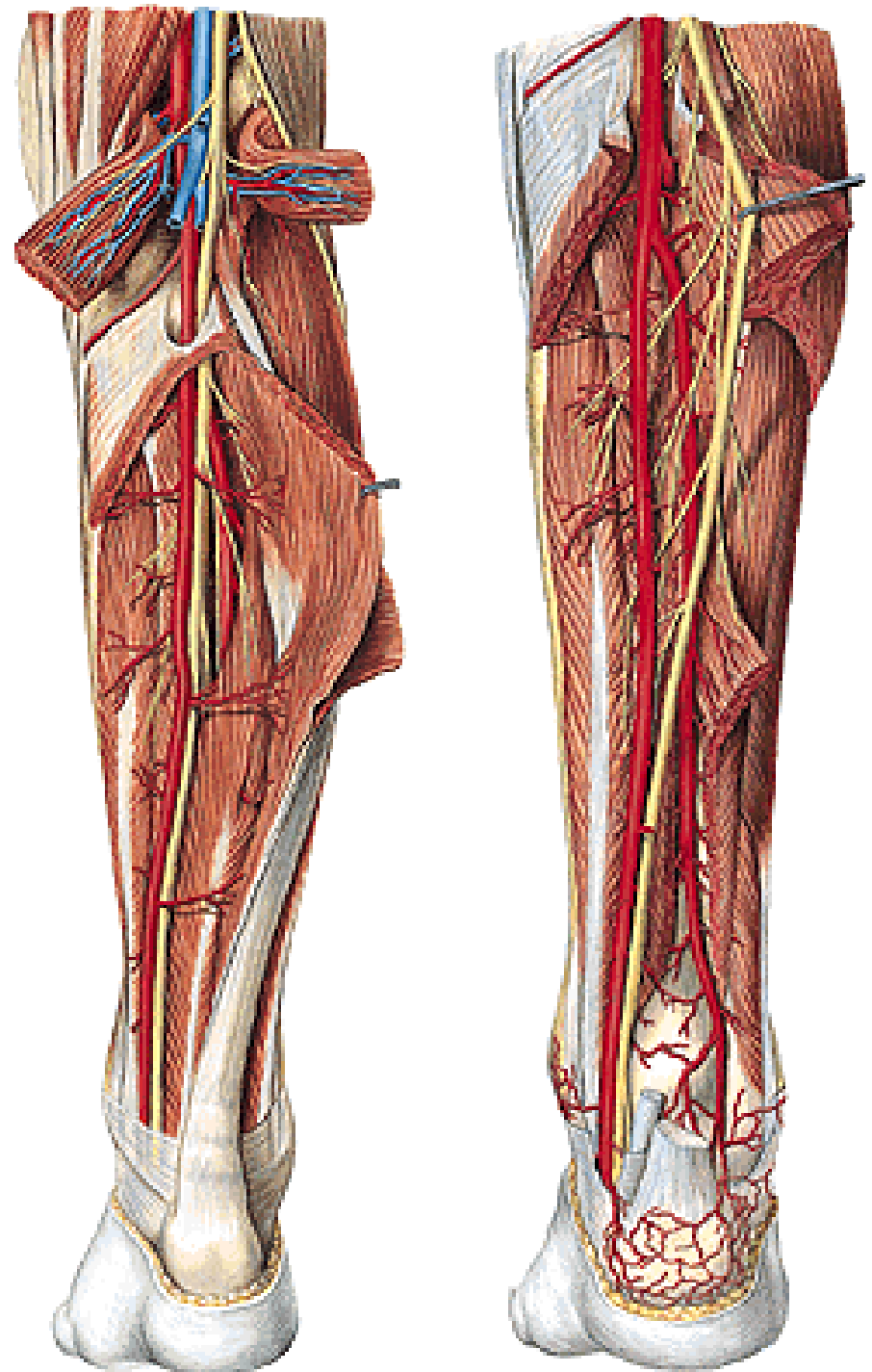
A. fibularis/peronea (canalis musculofibularis)

- rr. musculares
- r. perforans
- rr. malleolares lat.
- rr. calcaneares

Rete malleolare med. et lat.

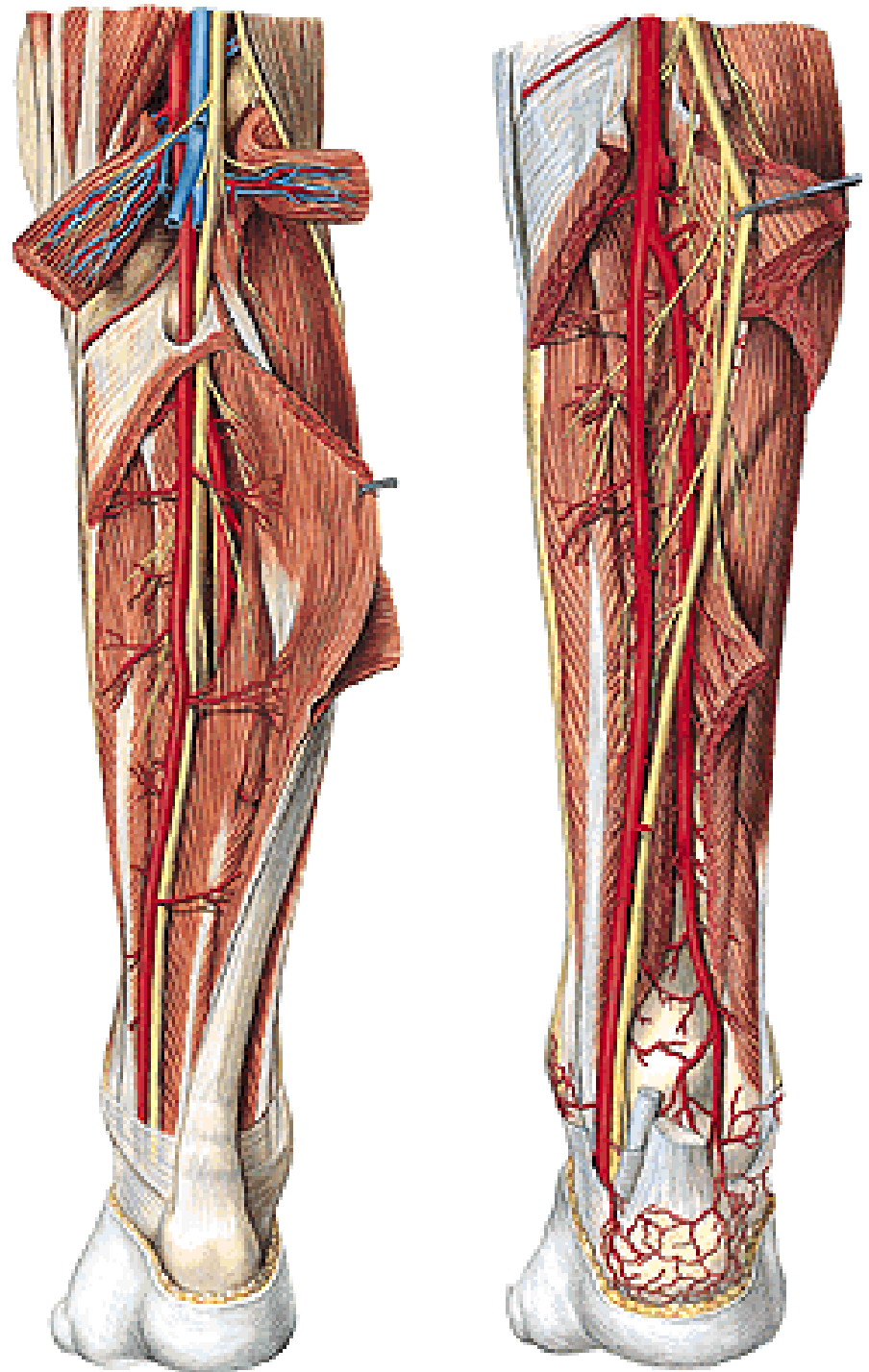
Rete calcaneare

Retinaculum flexorum



N. tibialis

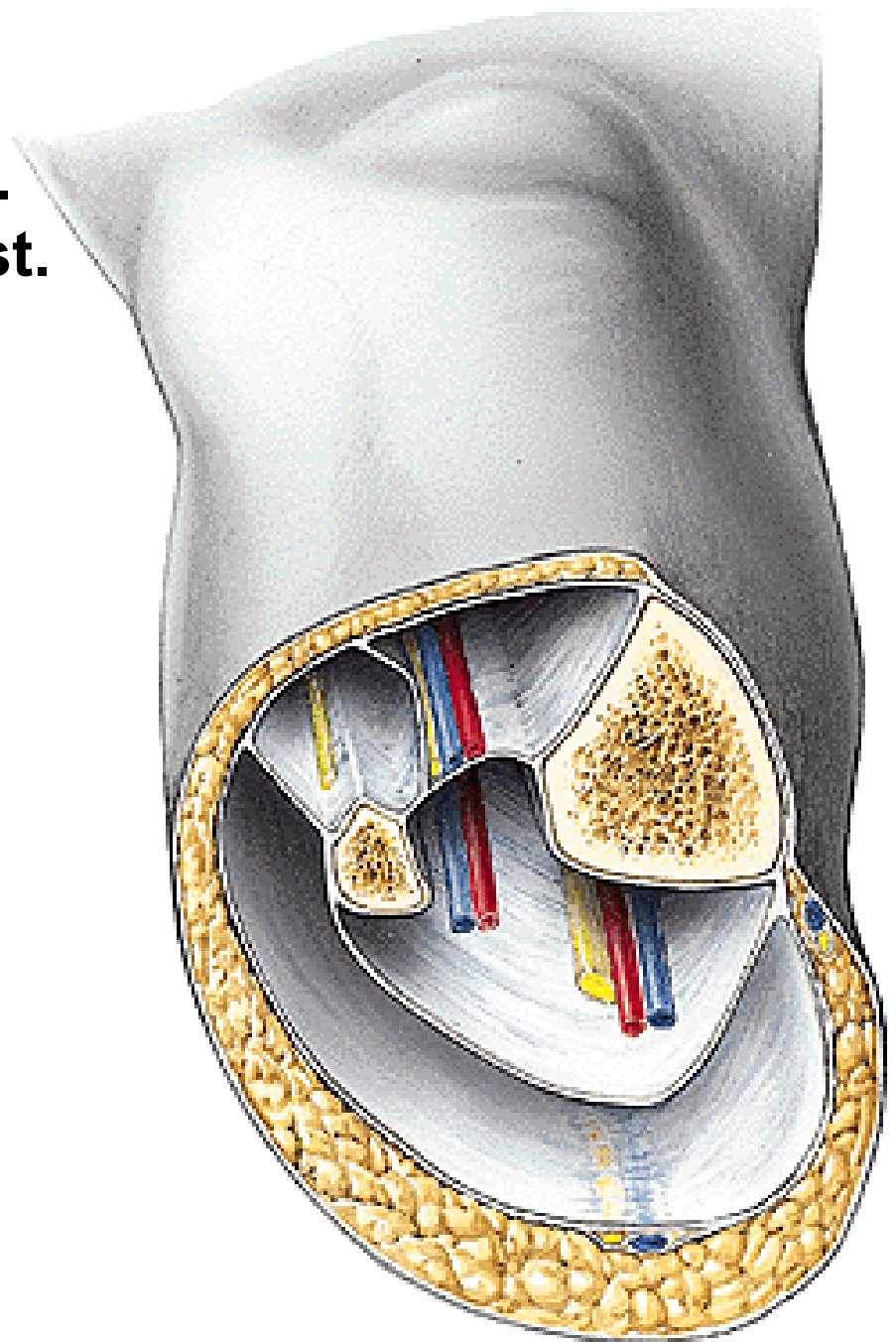
- rr. musculares
- n. interosseus cruris
- n. cutaneus surae med.
- rr. calcanei med.
- n. plantaris med. et lat.



Fascia cruris

Septum intermusculare ant.

Septum intermusculare post.

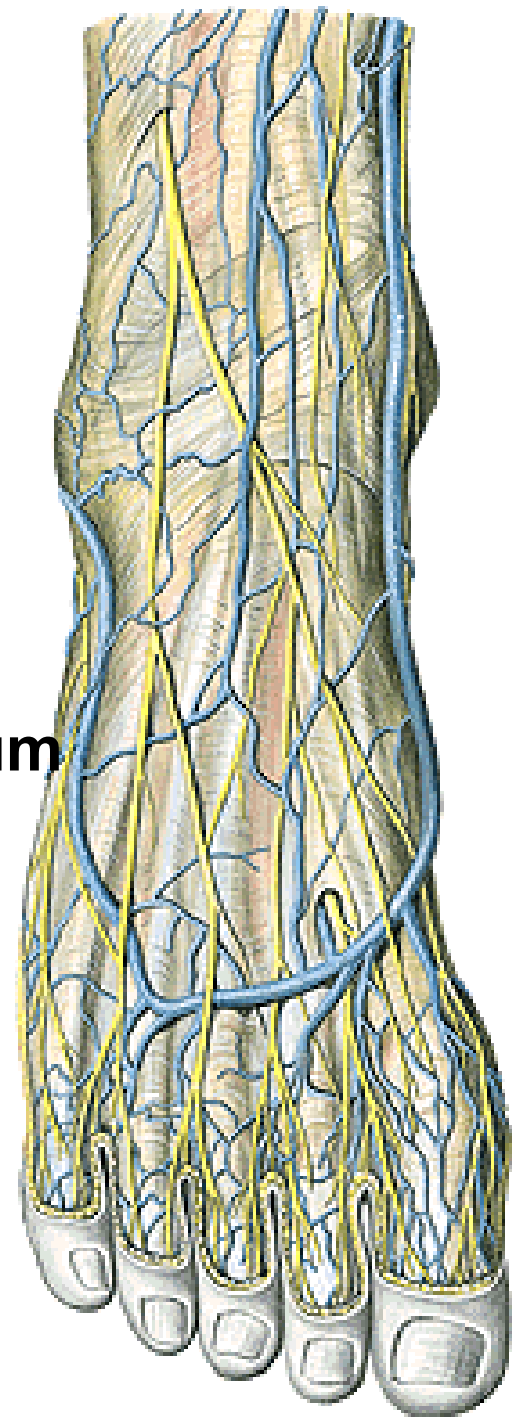


DORSUM PEDIS

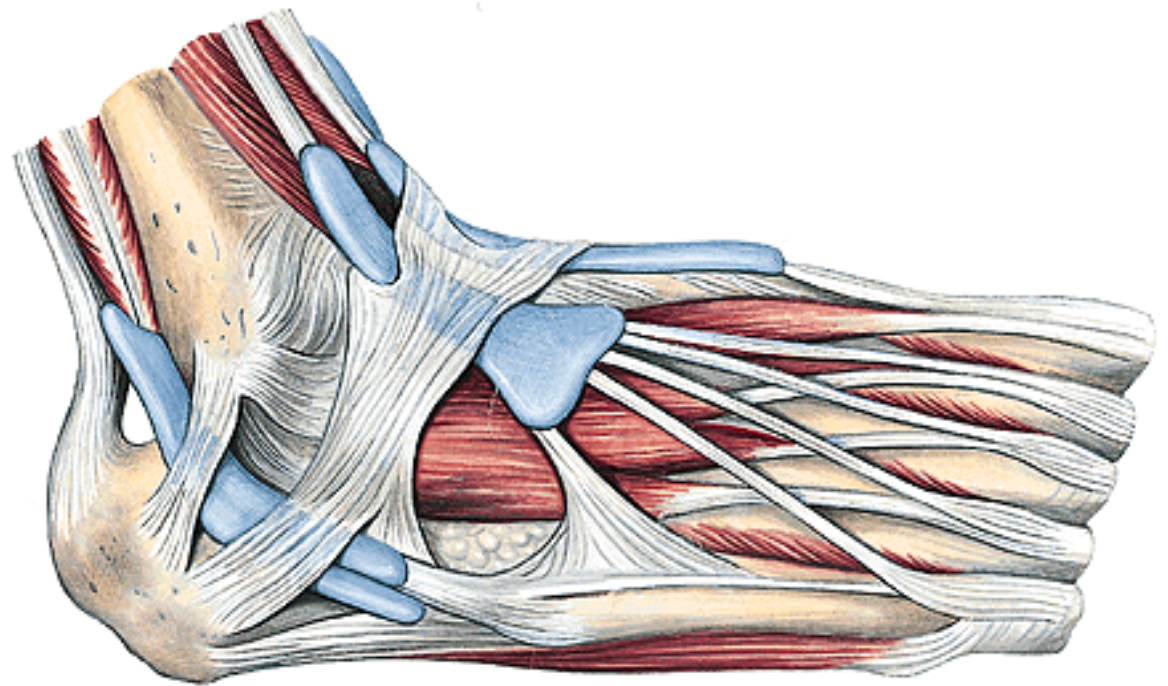
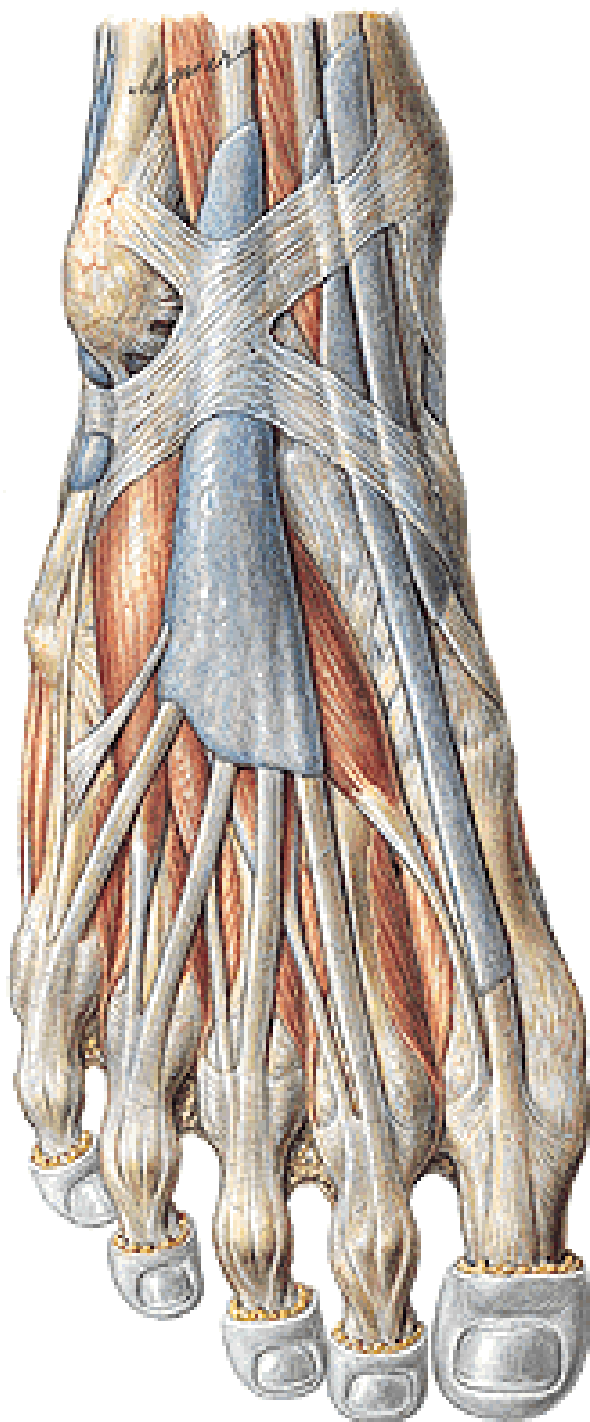
Rete venosum dorsale pedis
- v. marginalis med. et lat.

N. cutaneus dorsalis medialis
et intermedius (n. fibularis/per. spf.)
N. cutaneus dorsalis lat. (n. suralis)

Retinaculum (musculorum) extensorum
sup. et inf.



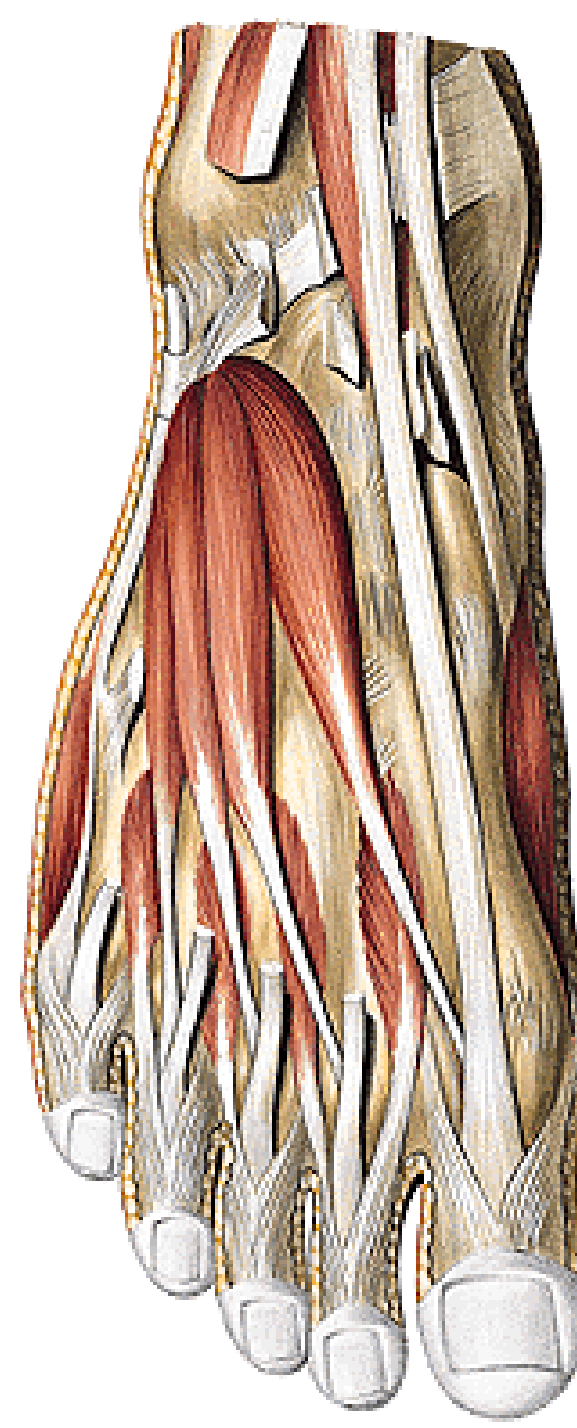
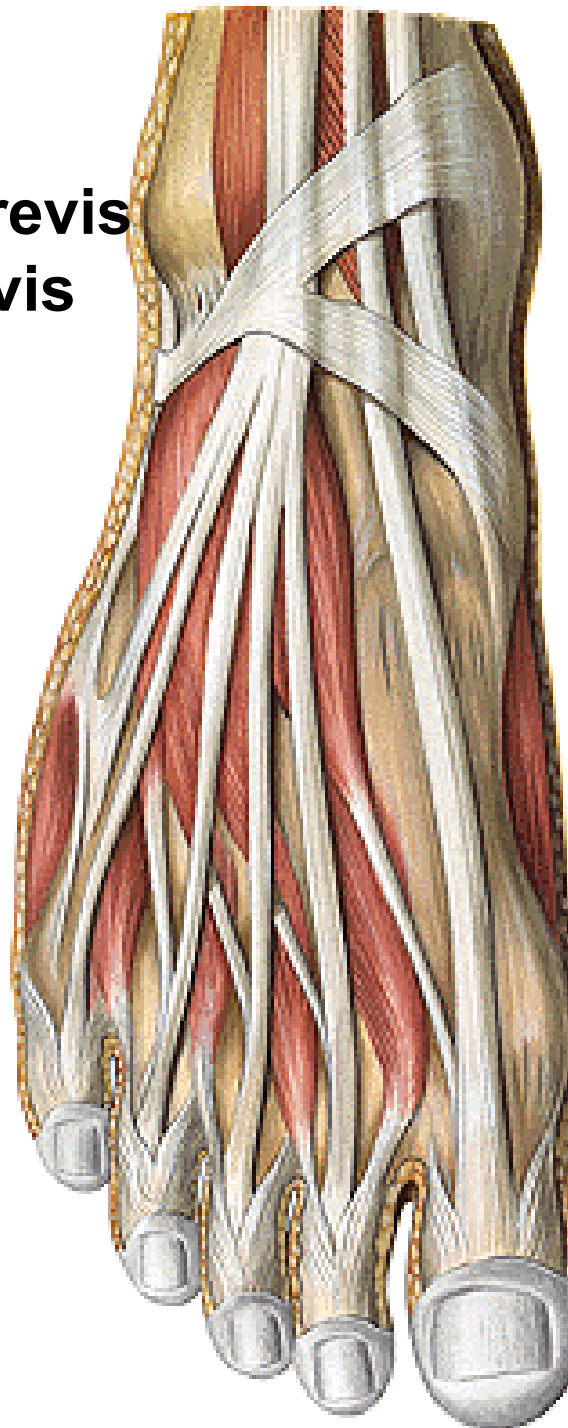
**Retinaculum (musculorum) fibularium
sup. et inf.**



M. extensor digitorum brevis

M. extensor hallucis brevis

Mm. interossei dorsales

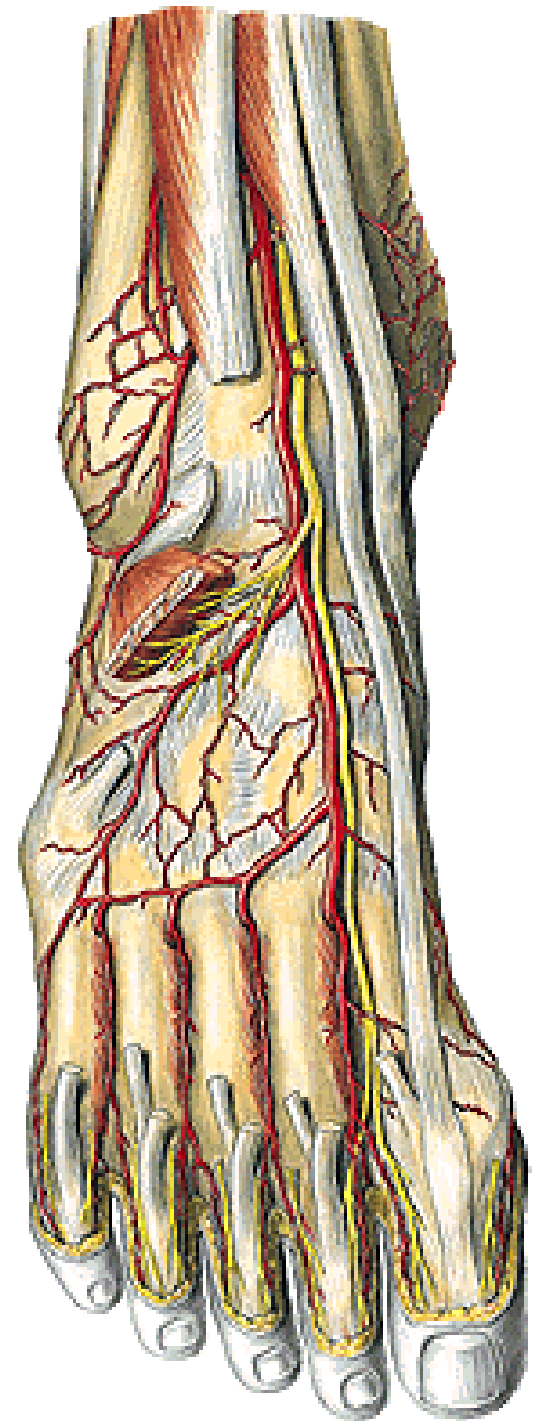


A. dorsalis pedis

- a. tarsalis lat.
- aa. tarsales med.
- a. arcuata
 - aa. metatarsae dorsales
 - aa. digitales dorsales
- r. plantaris prof.

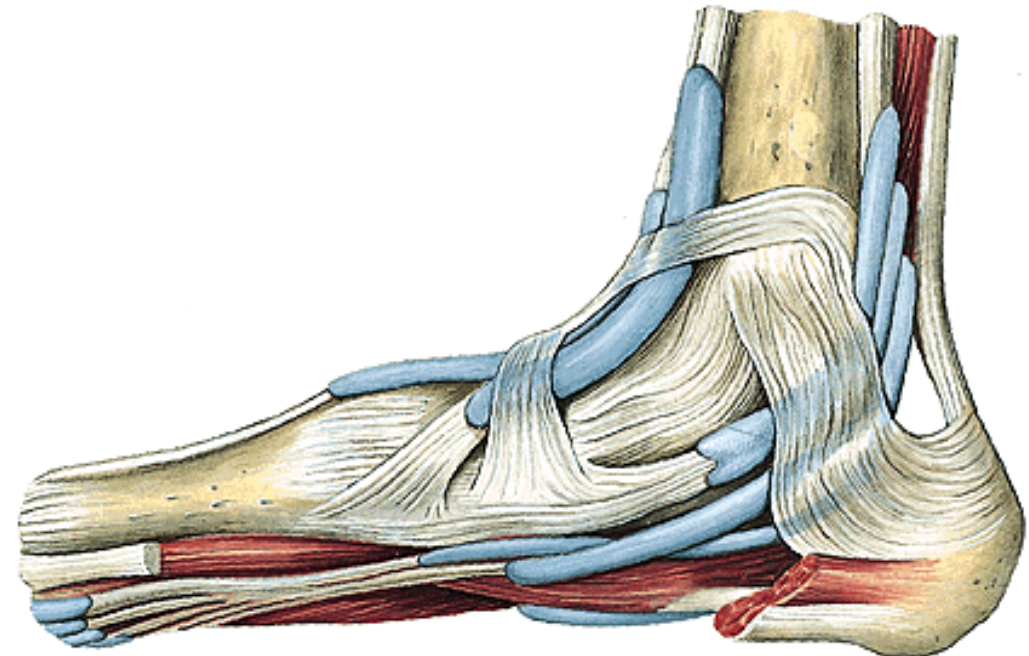
N. fibularis/per. prof.

- rr. musculares
- nn. digitales dorsales

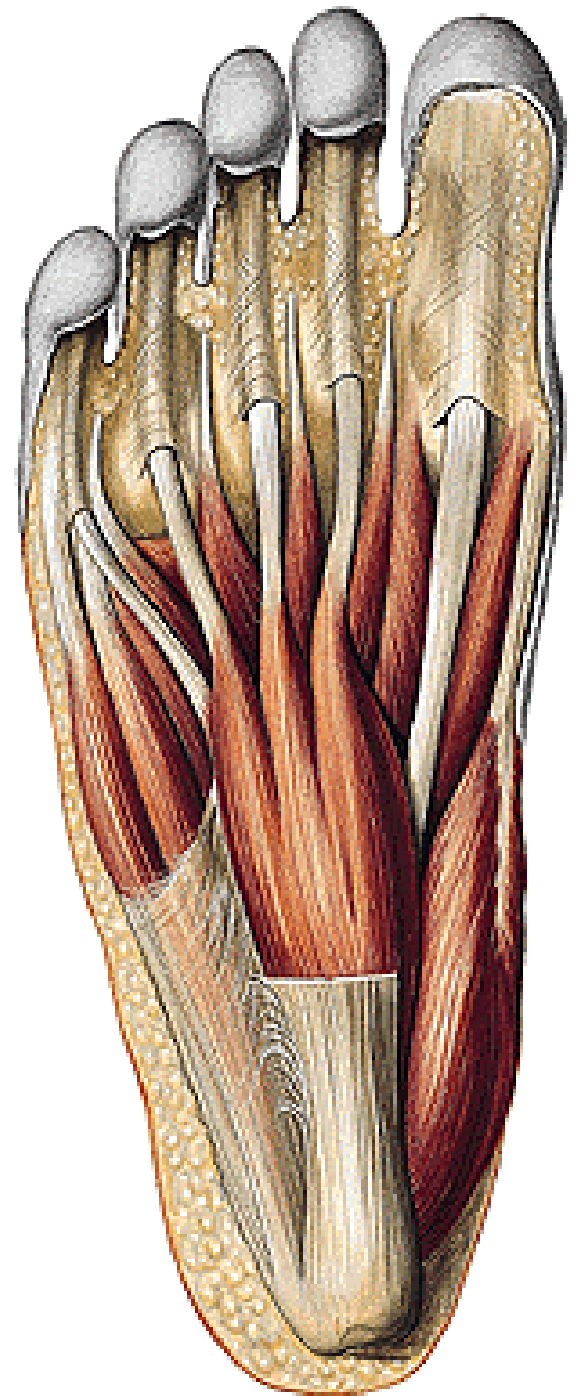


PLANTA PEDIS

Fascia plantae
Aponeurosis plantaris
Retinaculum (musculorum) flexorum



M. abductor hallucis
M. flexor digitorum brevis
M. abductor digiti minimi

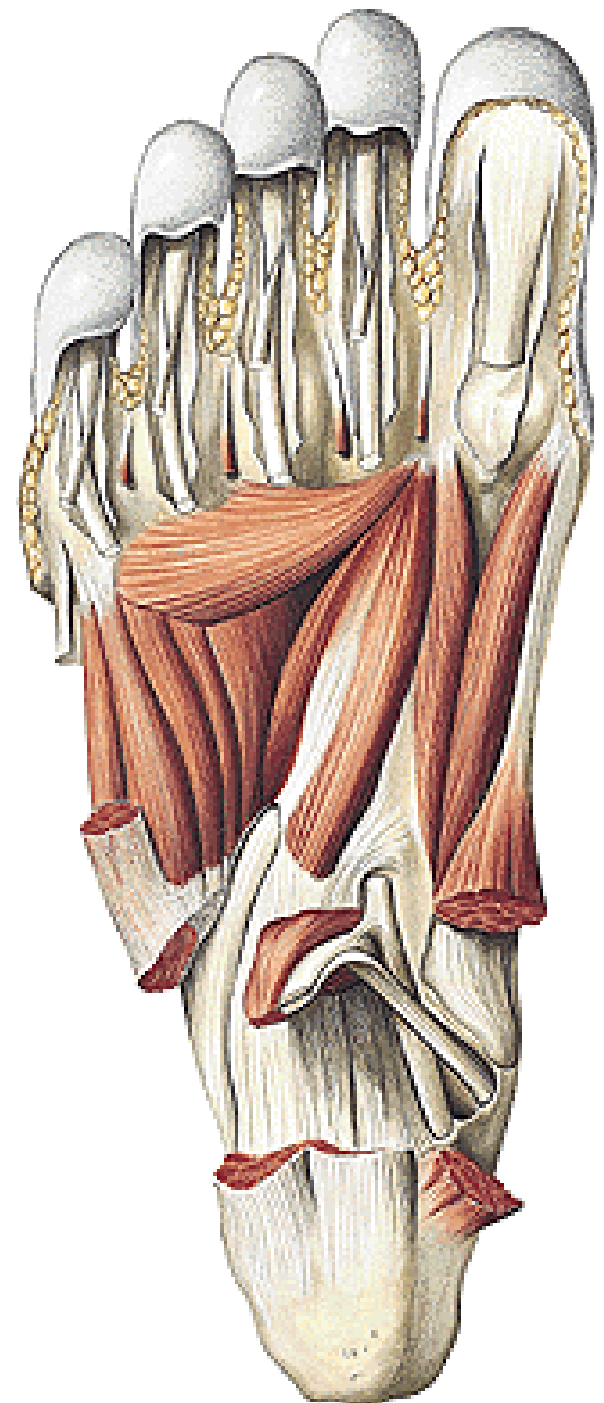


M. quadratus plantae
Mm. lumbricales I.-IV.

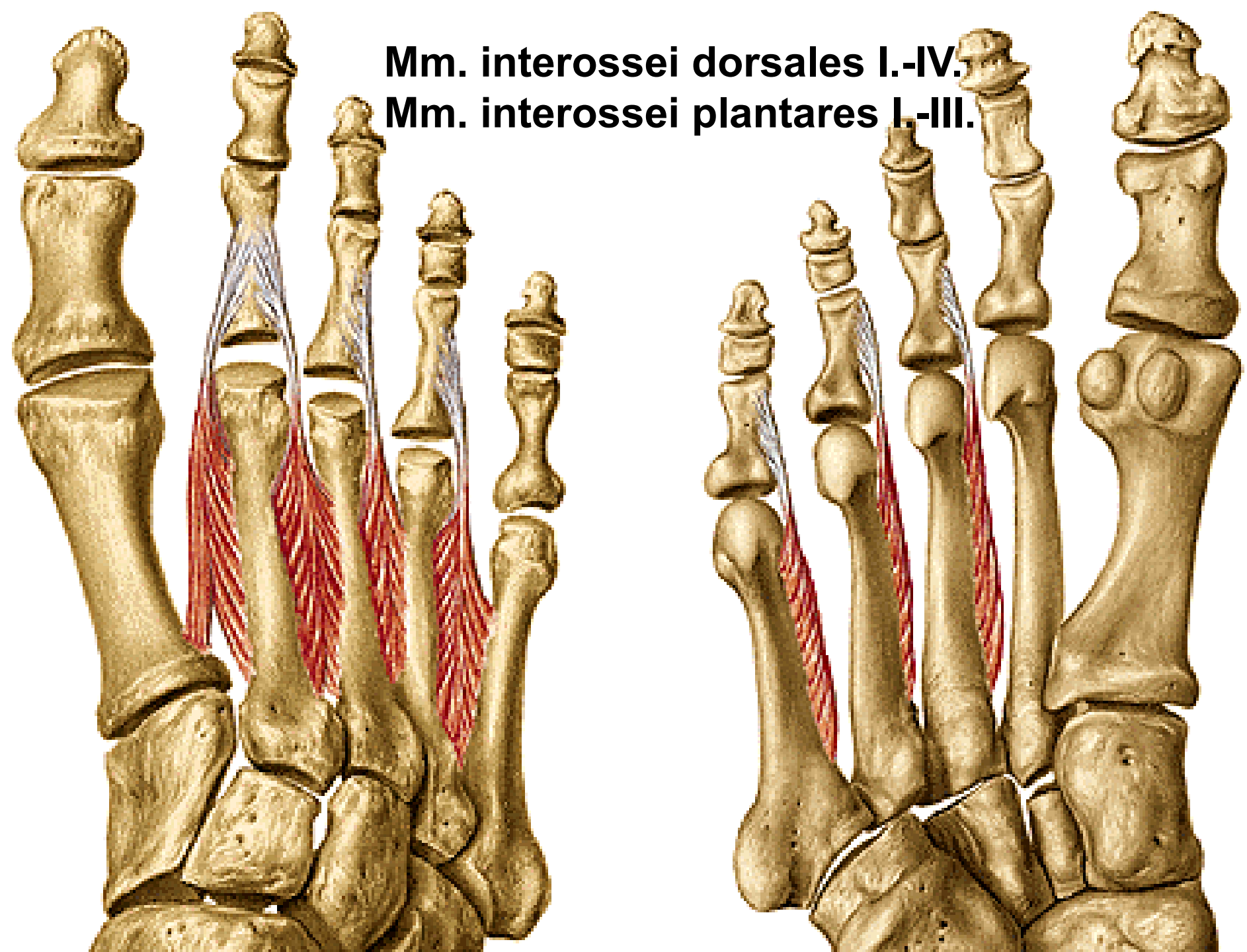
M. flexor hallucis brevis
- caput mediale
- caput laterale

M. adductor hallucis
- caput obliquum
- caput transversum

M. flexor digiti minimi brevis
M. opponens digiti minimi



Mm. interossei dorsales I.-IV.
Mm. interossei plantares I.-III.

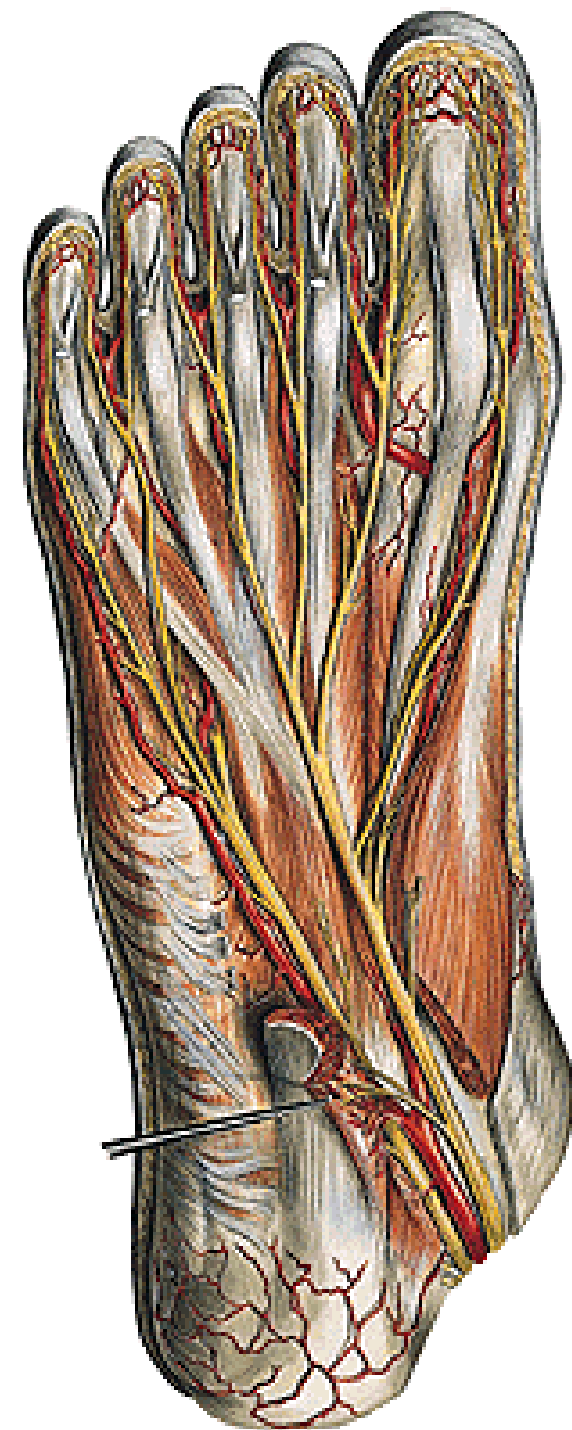
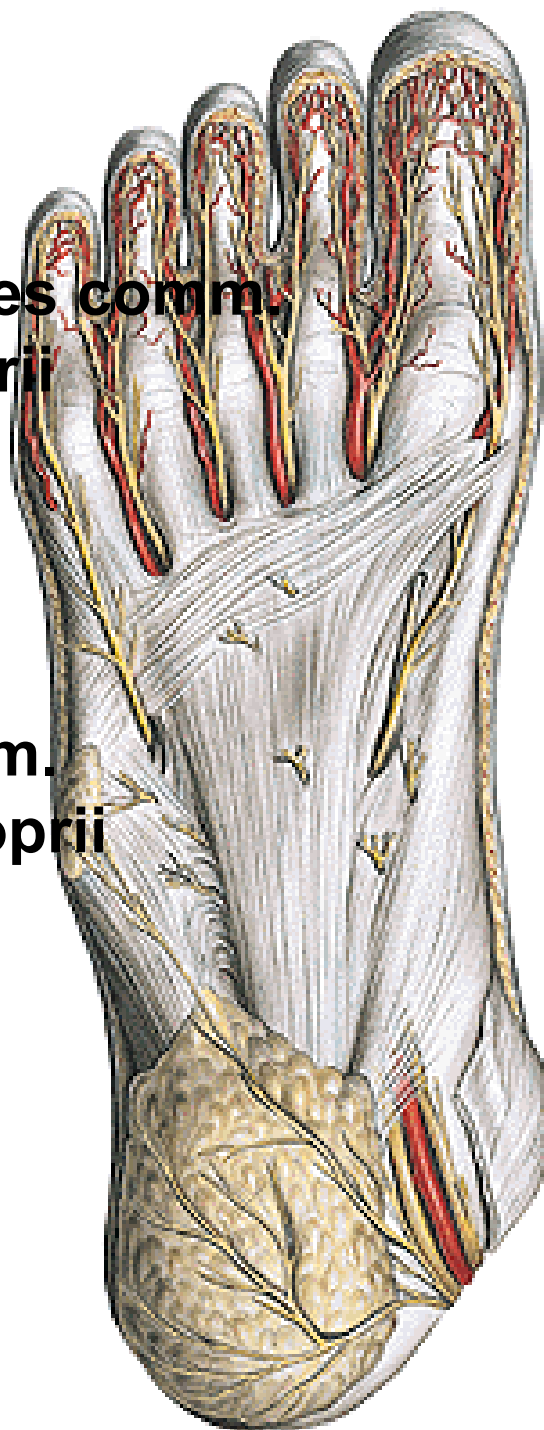


N. plantaris med.

- rr. musculares
- nn. digitales plantares comm.
- nn. dig. plant. proprii

N. plantaris lat.

- rr. musculares
- r. spf.
- nn. dig. plant. comm.
- nn. dig. plant. proprii
- r. prof.

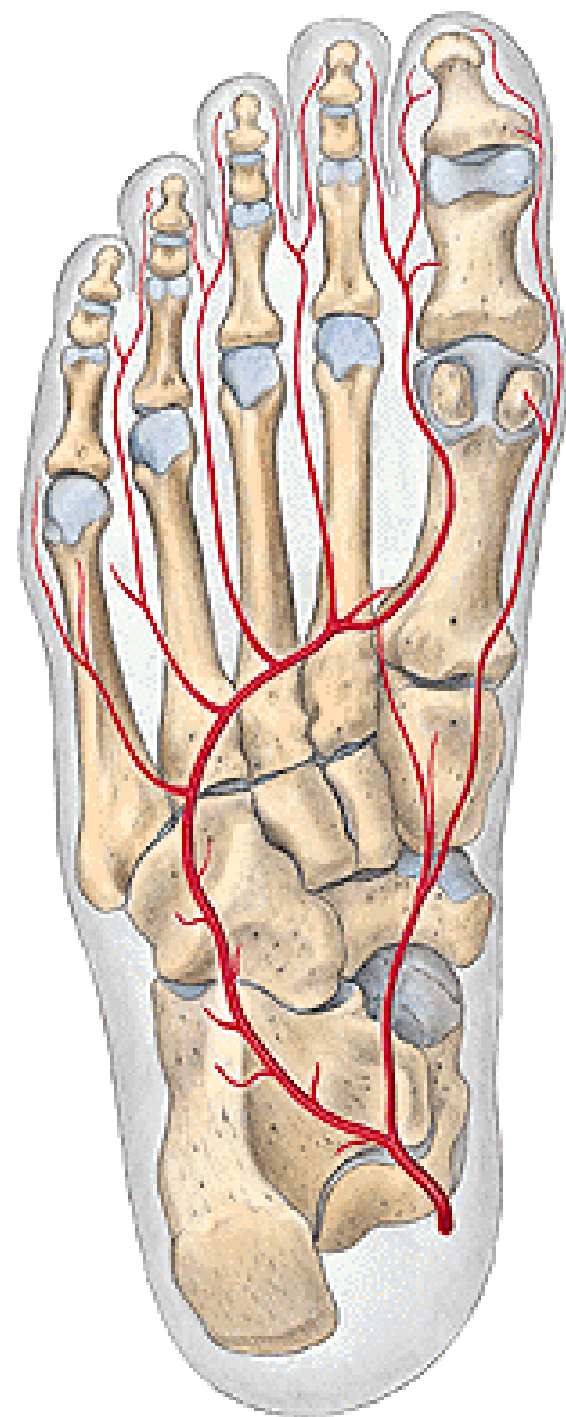
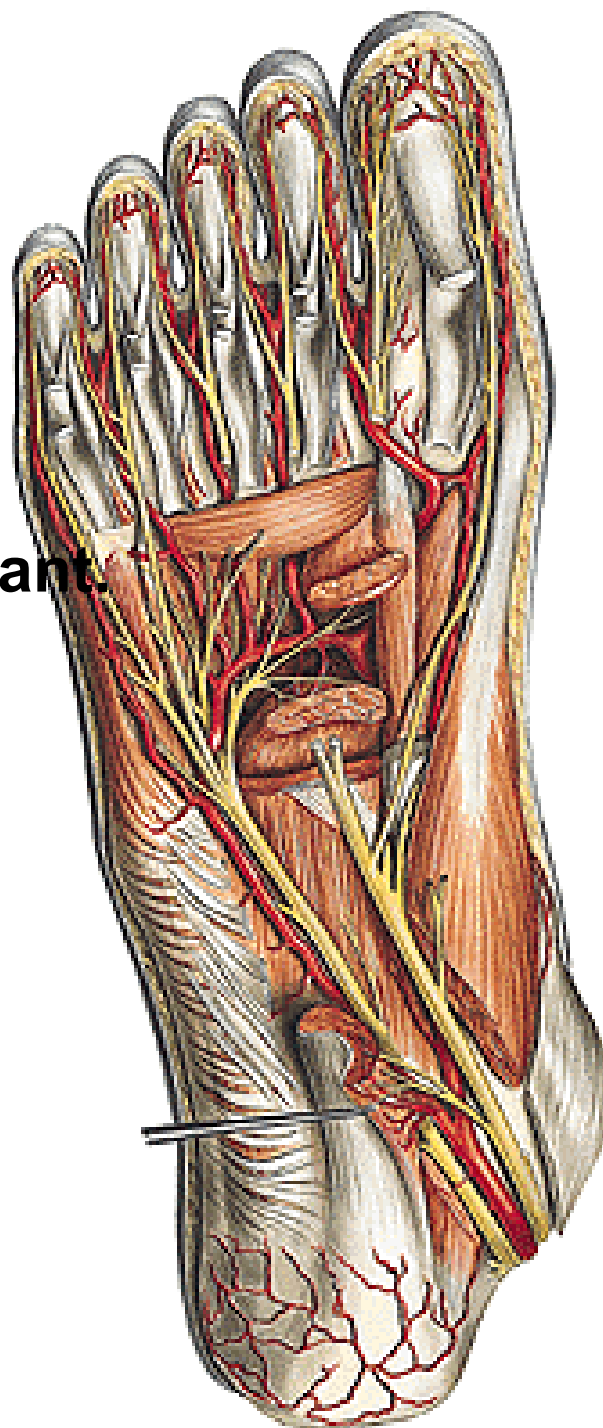


A. plantaris med.

- r. spf.
- r. prof.

A. plantaris lat.

- arcus plantaris
- aa. metatarsae plant.
- aa. dig. plantares



Illustrations were copied from:

**Atlas der Anatomie des Menschen/Sobotta.
Putz,R., und Pabst,R. 20. Auflage. München:
Urban & Schwarzenberg, 1993)**