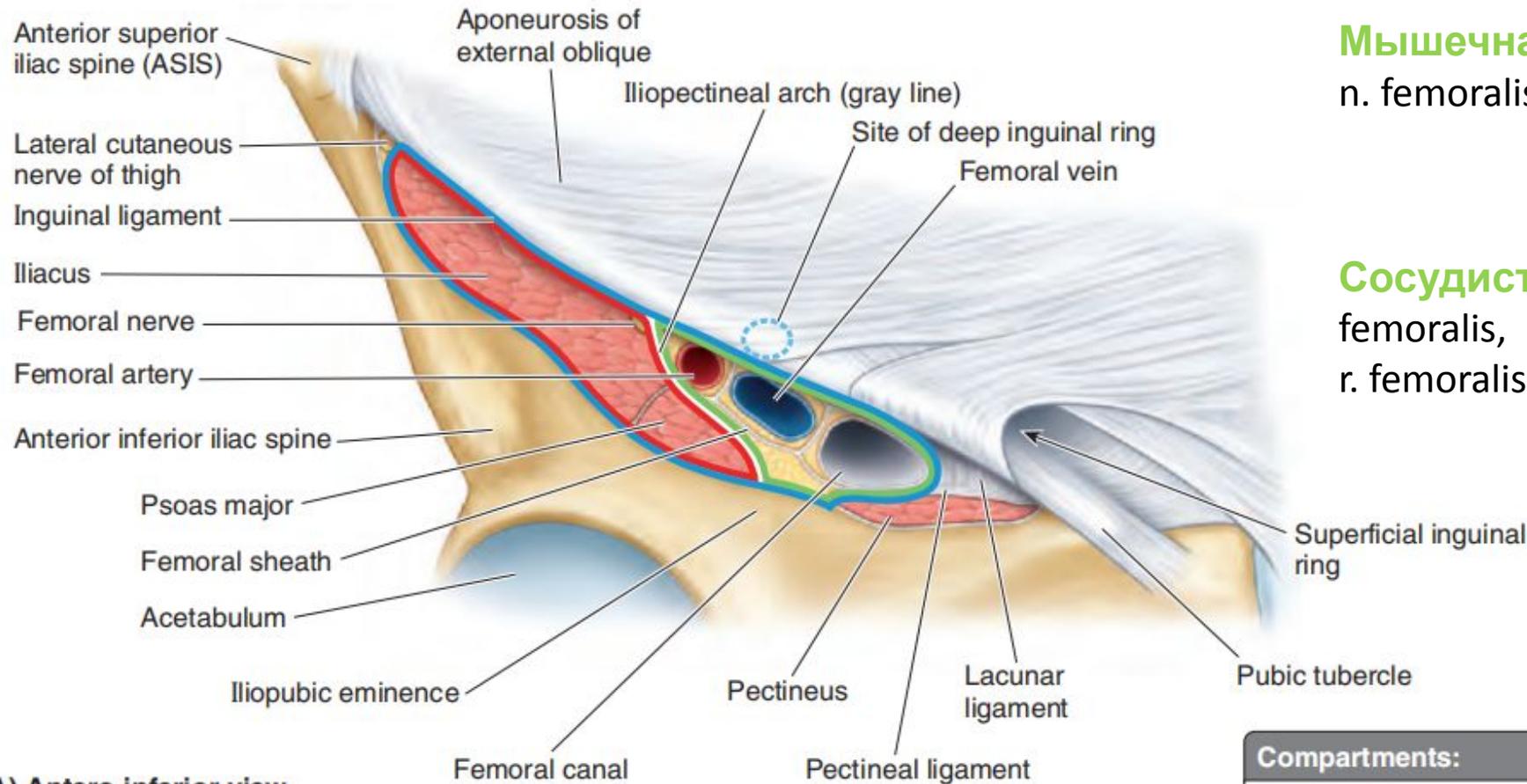


# Артерии свободной нижней конечности

БЕДРО

# Вспоминаем сосудистую лакуну



**Мышечная лакуна:** m. iliopsoas, n. femoralis, n. cutaneus femoris lateralis

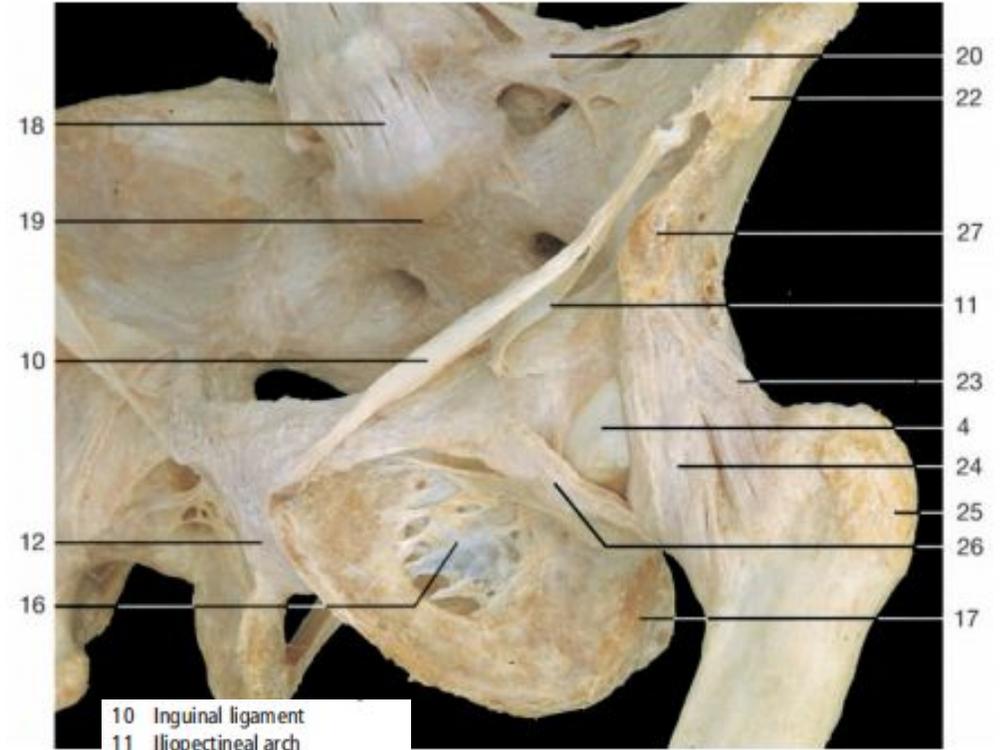
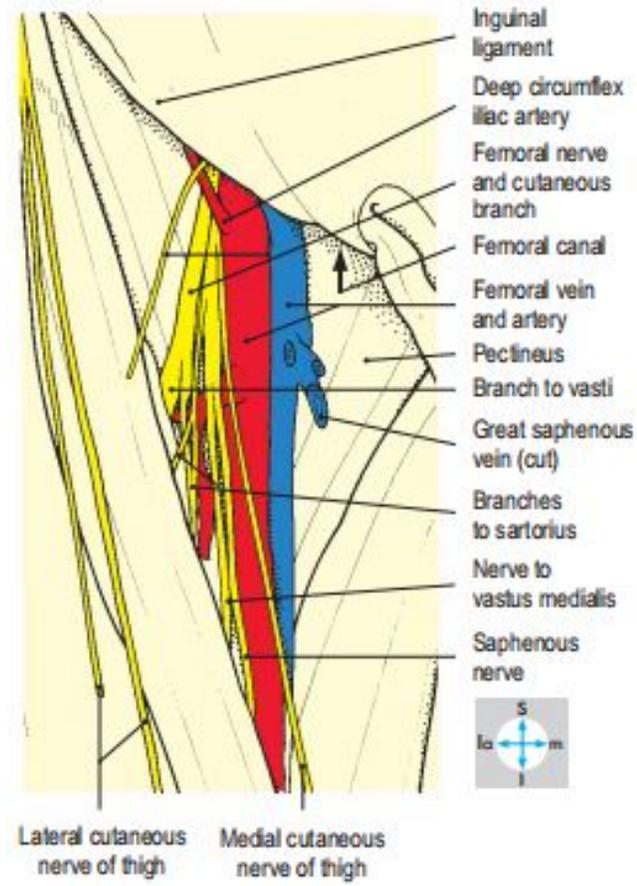
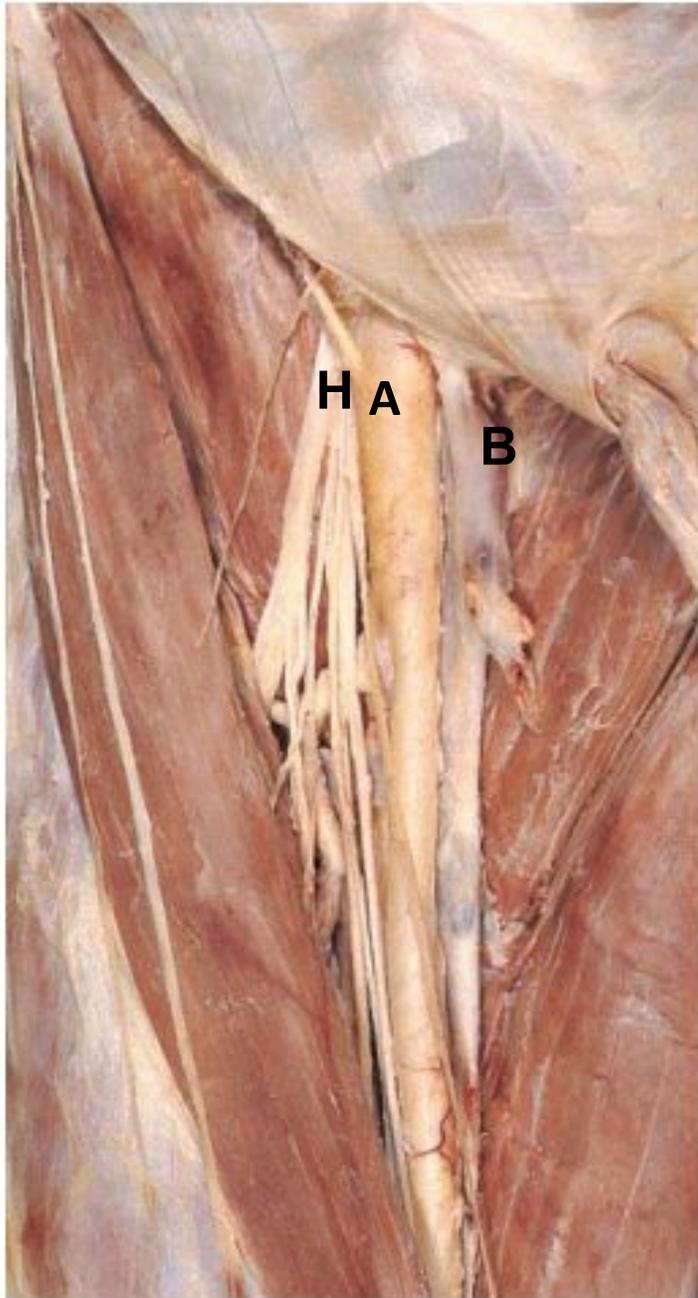
**Сосудистая лакуна:** a. femoralis, v. femoralis, r. femoralis n. genitofemoralis, n. ilioinguinalis

(A) Antero-inferior view

## Compartments:

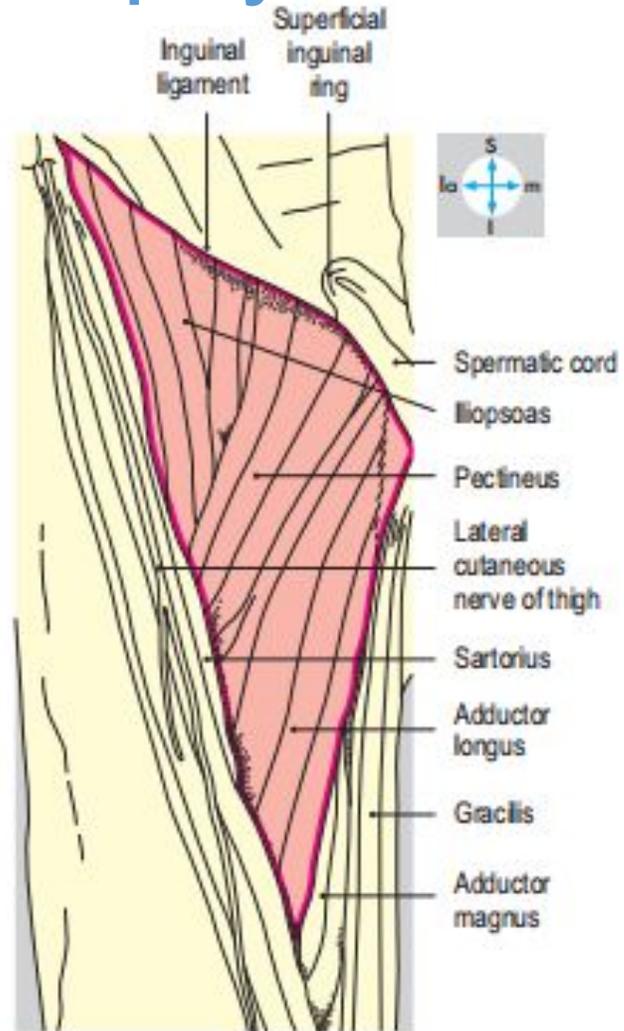
- Retro-inguinal space
- Muscular compartment
- Vascular compartment

# Вспоминаем сосудистую лакуну

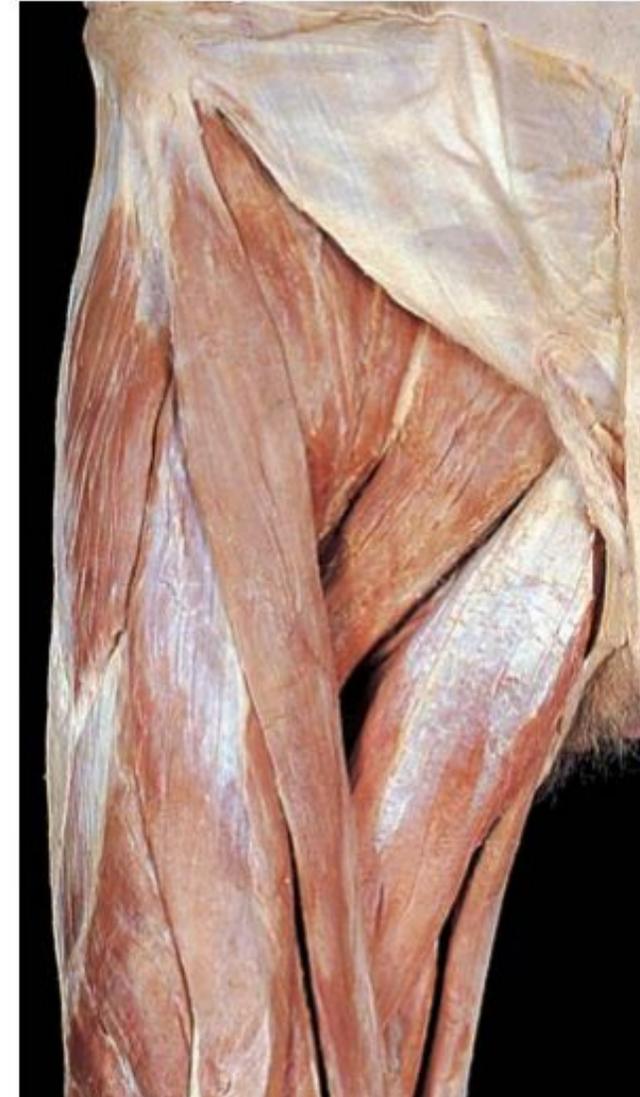


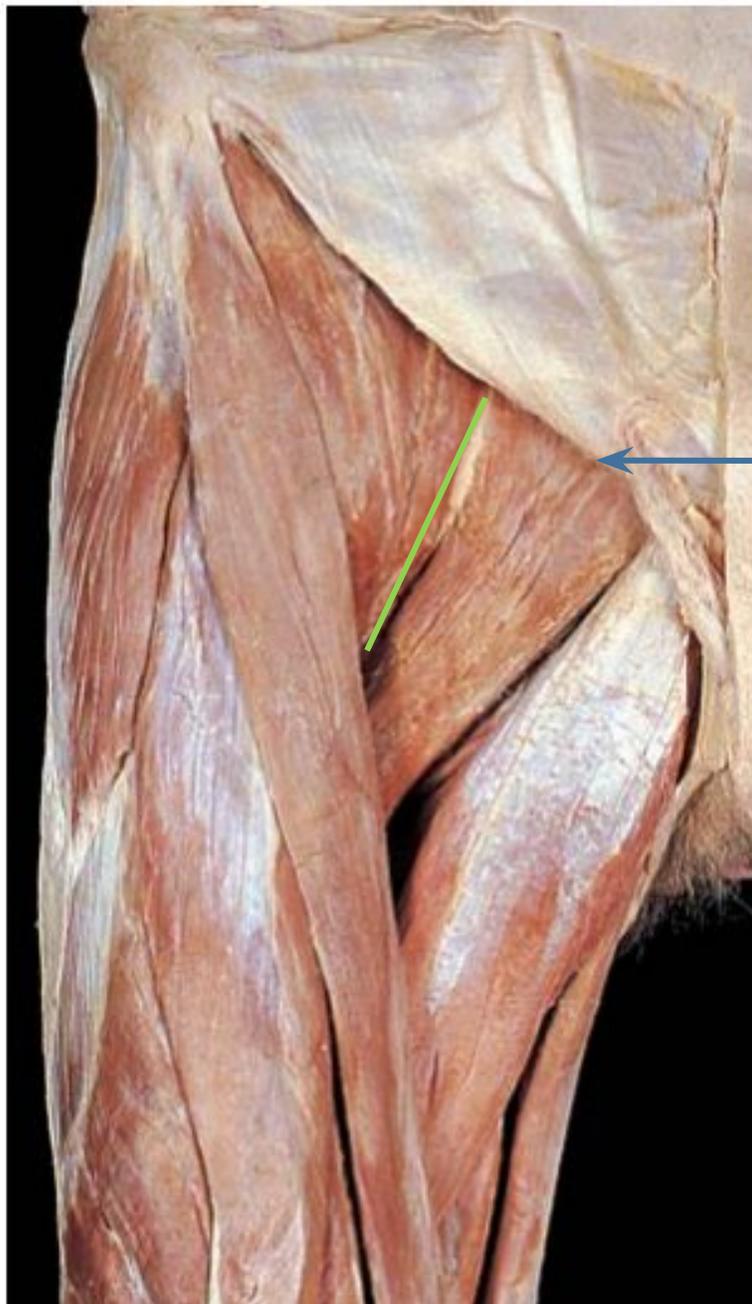
- 10 Inguinal ligament
- 11 Iliopectineal arch
- 12 Pubic symphysis
- 13 Pubis
- 14 Obturator canal
- 15 Ligament of head of femur
- 16 Obturator membrane
- 17 Ischium
- 18 Anterior longitudinal ligament (level of fifth lumbar vertebra)
- 19 Sacral promontory
- 20 Iliolumbar ligament
- 21 Iliac crest
- 22 Anterior superior iliac spine
- 23 Iliofemoral ligament (horizontal band)
- 24 Iliofemoral ligament (vertical band)
- 25 Greater trochanter
- 26 Pubofemoral ligament
- 27 Anterior inferior iliac spine

# Вспоминаем бедренный треугольник (треугольник Скарпа)

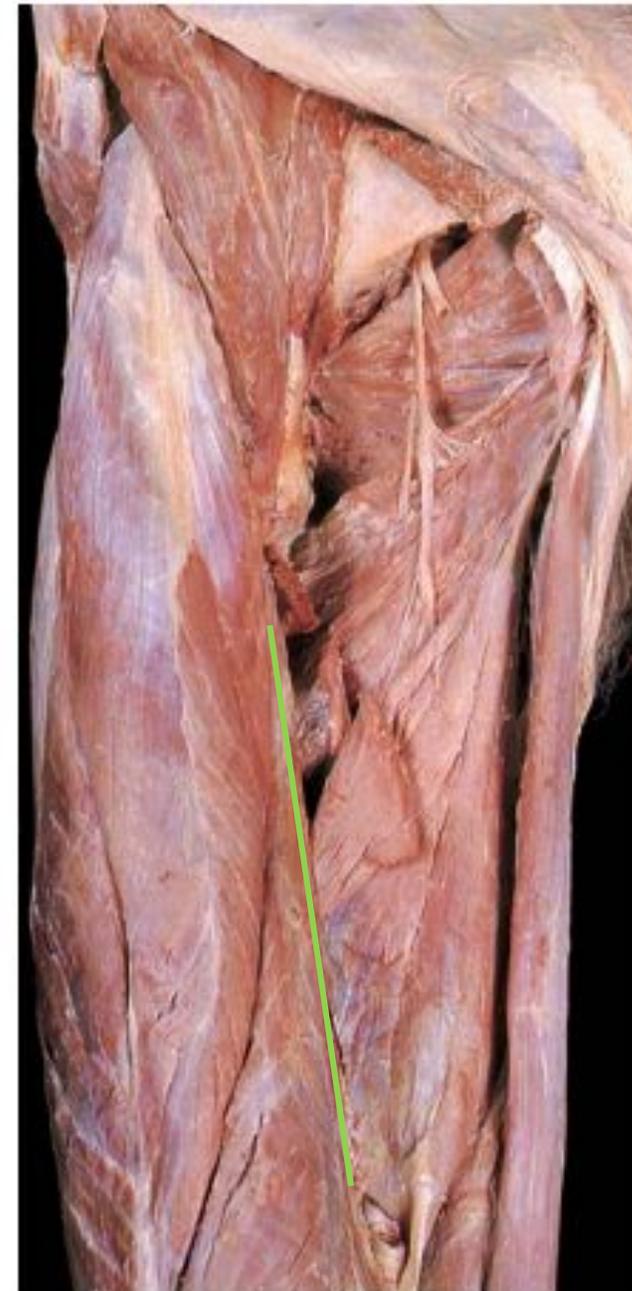


**Fig. 6.17** Boundaries and floor of the femoral triangle.

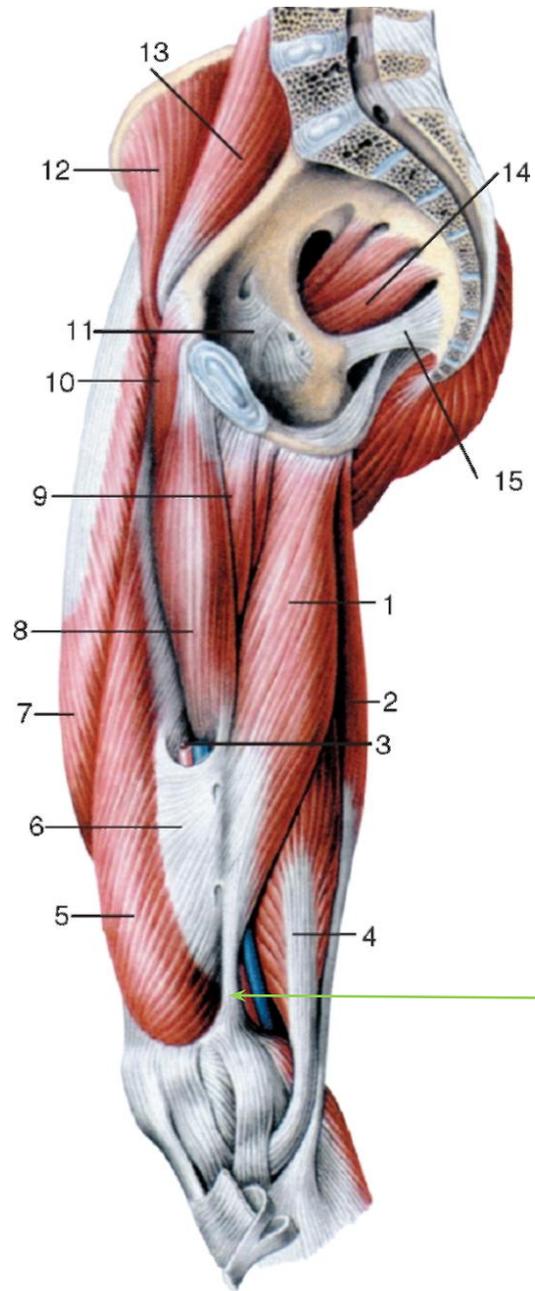




Вспоминаем  
подвздошно-  
гребенчатую и  
переднюю  
бедренную  
борозды

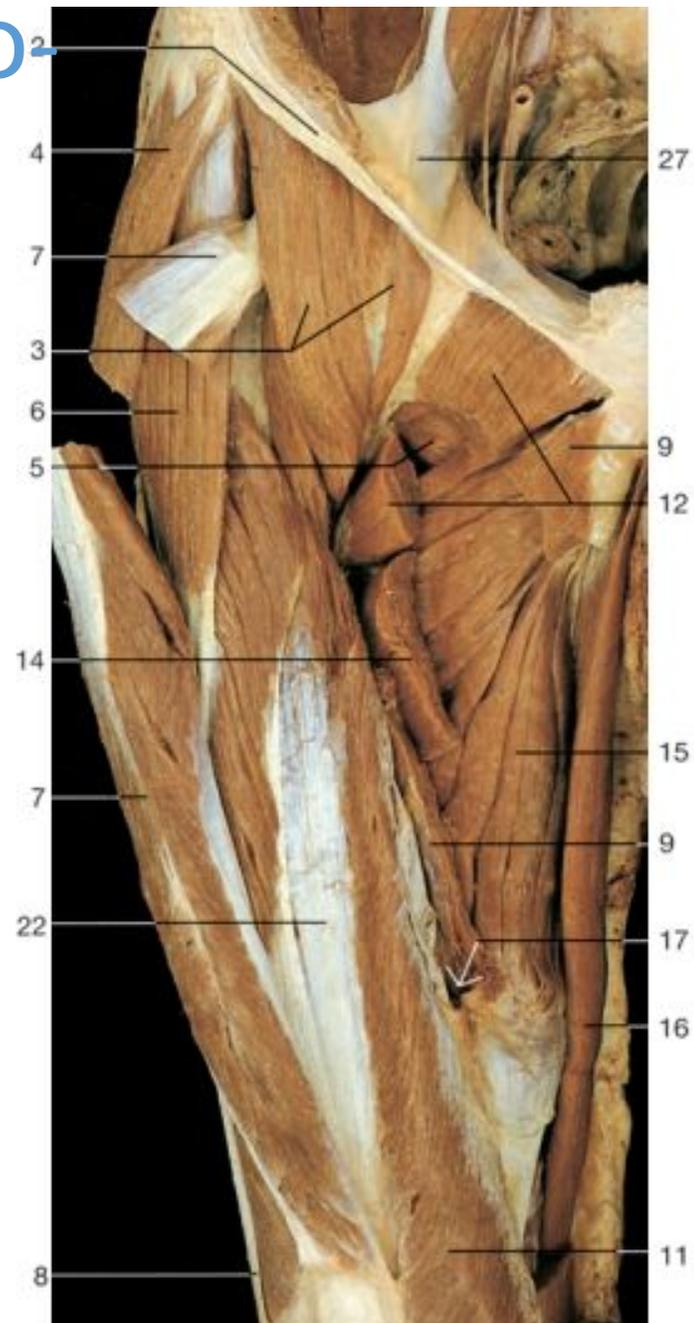


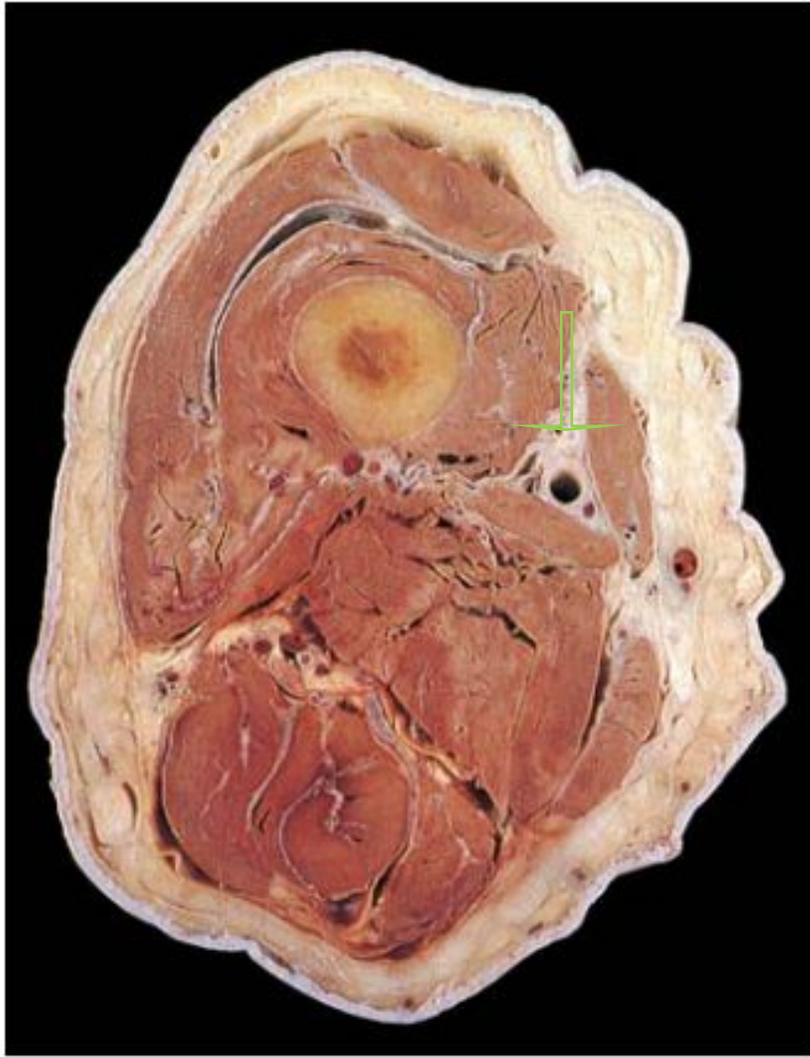
# Вспоминаем бедренно-подколенный (Гунтеров) канал



- 5 - медиальная широкая мышца
- 8 - длинная приводящая мышца
- 1 - большая приводящая мышца
- 6 - приводящая пластинка
- сухожильная щель б.п.м

- 1 Anterior superior iliac spine
- 2 Inguinal ligament
- 3 Iliopsoas muscle
- 4 Sartorius muscle
- 5 Obturator externus muscle
- 6 Tensor fasciae latae muscle
- 7 Rectus femoris muscle
- 8 Iliotibial tract
- 9 Adductor longus muscle (divided)
- 10 Vastus lateralis muscle
- 11 Vastus medialis muscle
- 12 Pectineus muscle (divided)
- 13 Adductor minimus muscle
- 14 Adductor brevis muscle (cut)
- 15 Adductor magnus muscle
- 16 Gracilis muscle
- 17 Adductor canal
- 18 Vasto-adductor membrane
- 19 Diaphragm
- 20 Quadratus lumborum muscle
- 21 Iliacus muscle
- 22 Vastus intermedius muscle





Rectus femoris

Vastus intermedius

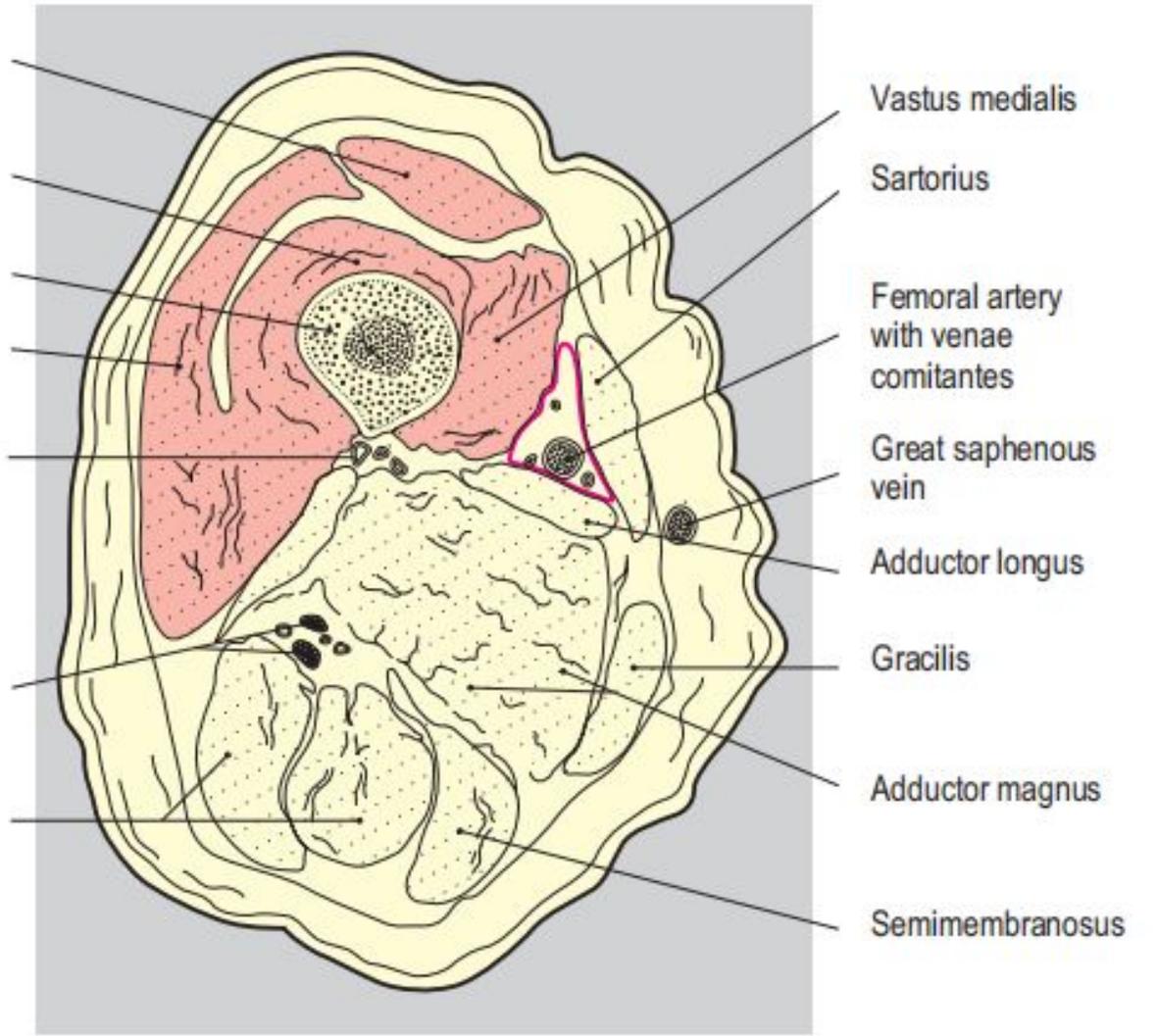
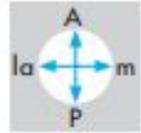
Femur

Vastus lateralis

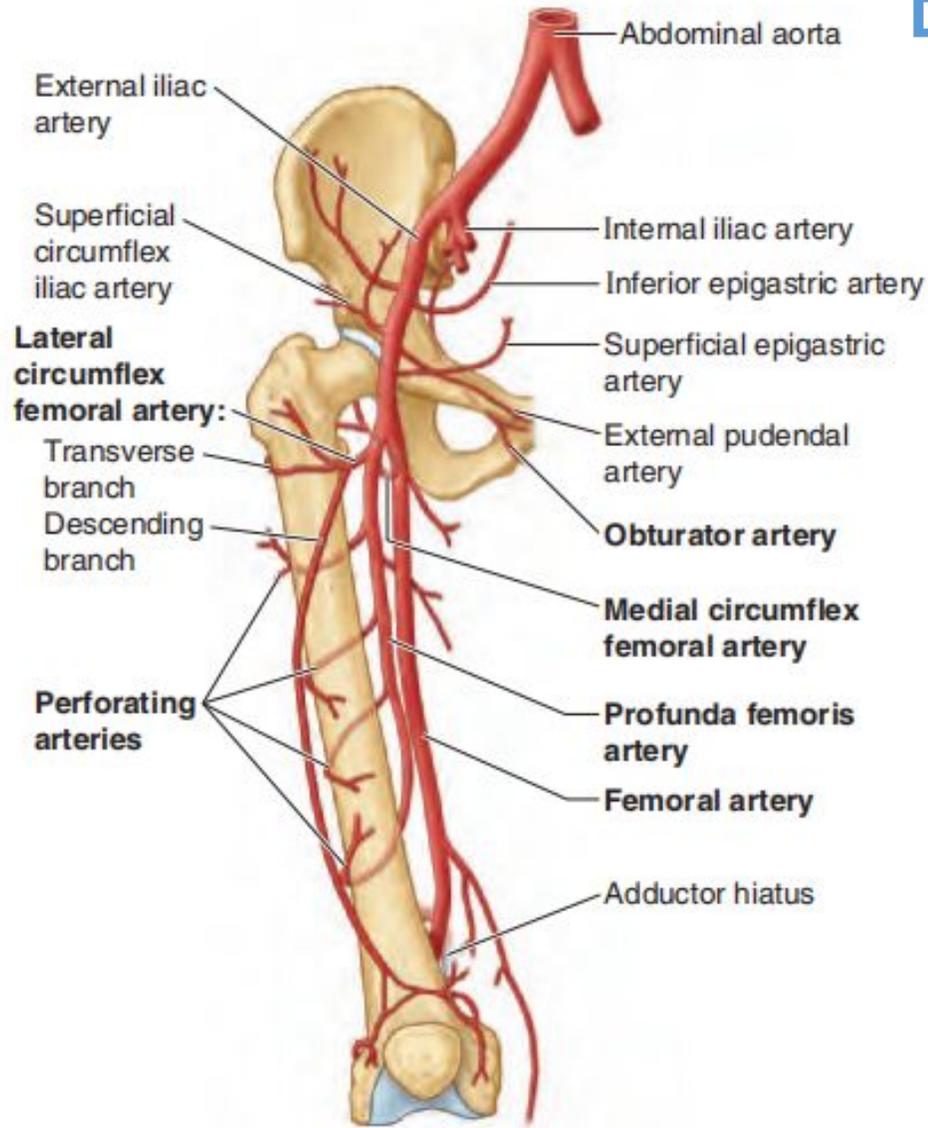
Perforating branches of profunda femoris artery and vein

Common fibular and tibial branches of sciatic nerve

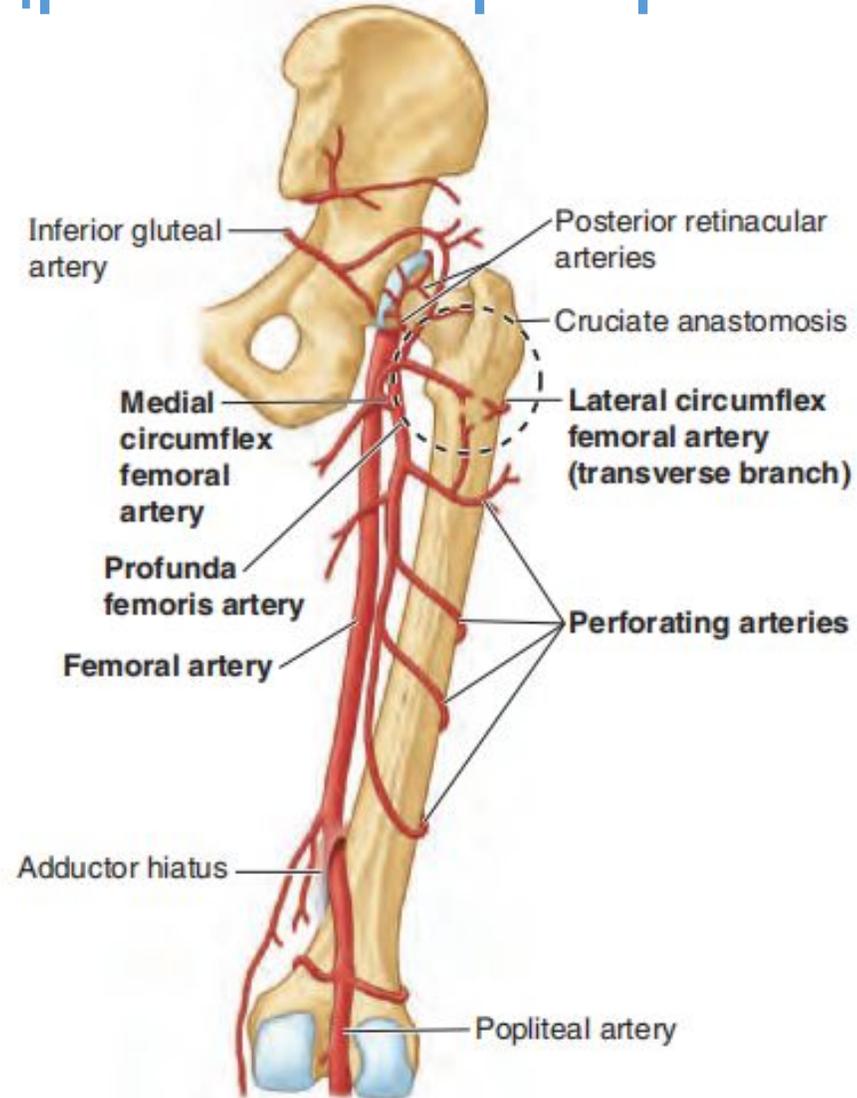
Semitendinosus and biceps



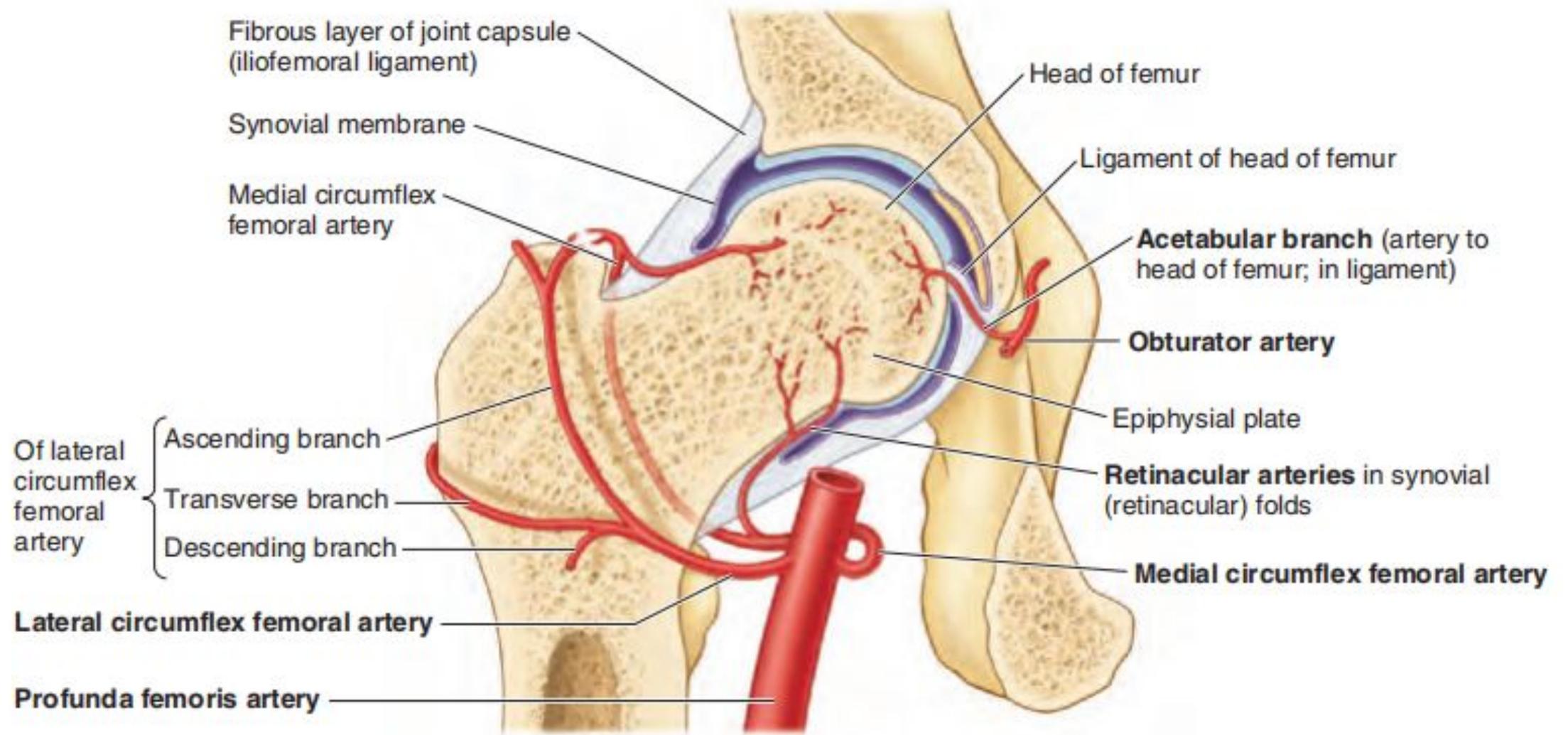
# Бедренная артерия



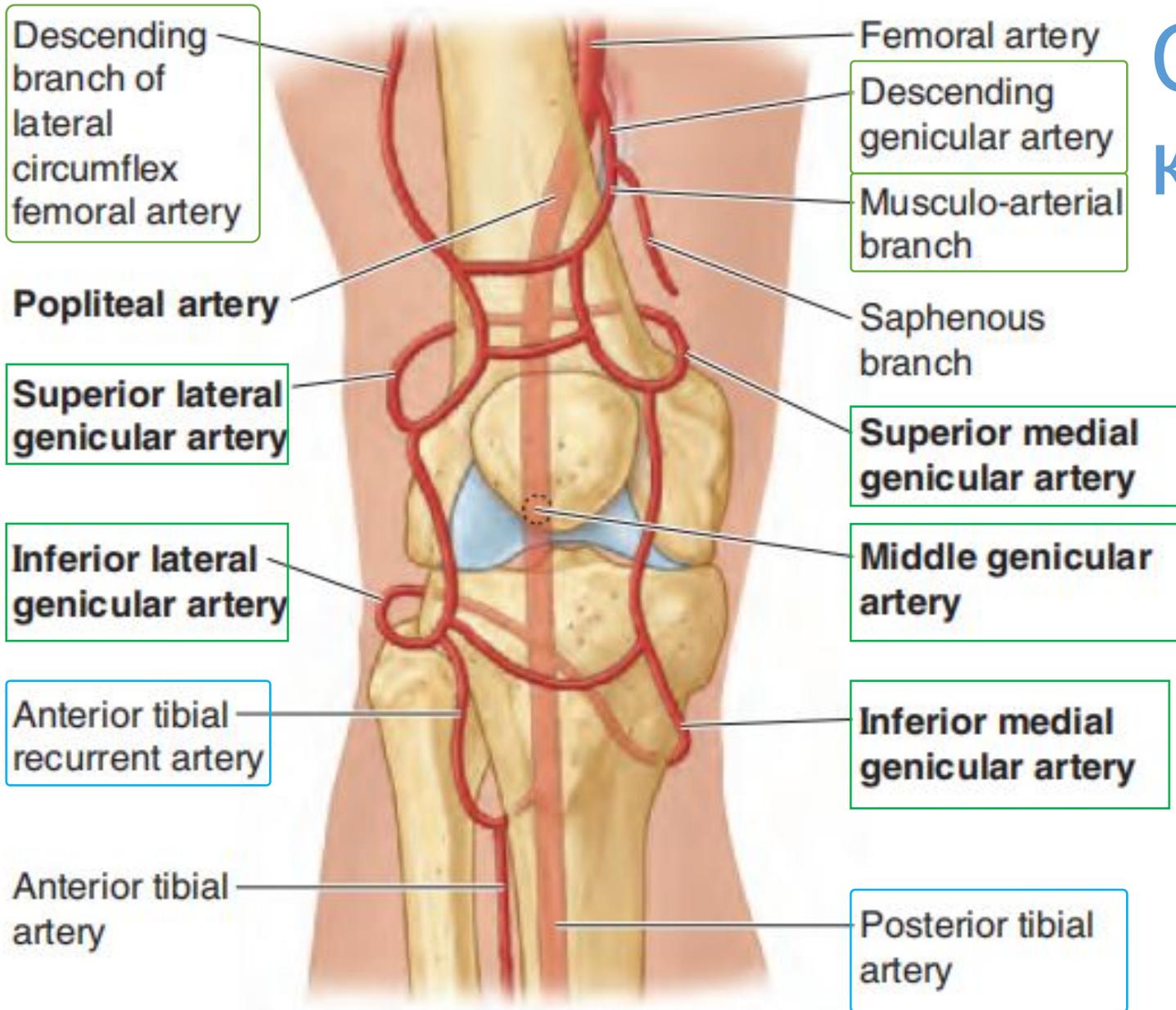
(A) Anterior view



(B) Posterior view

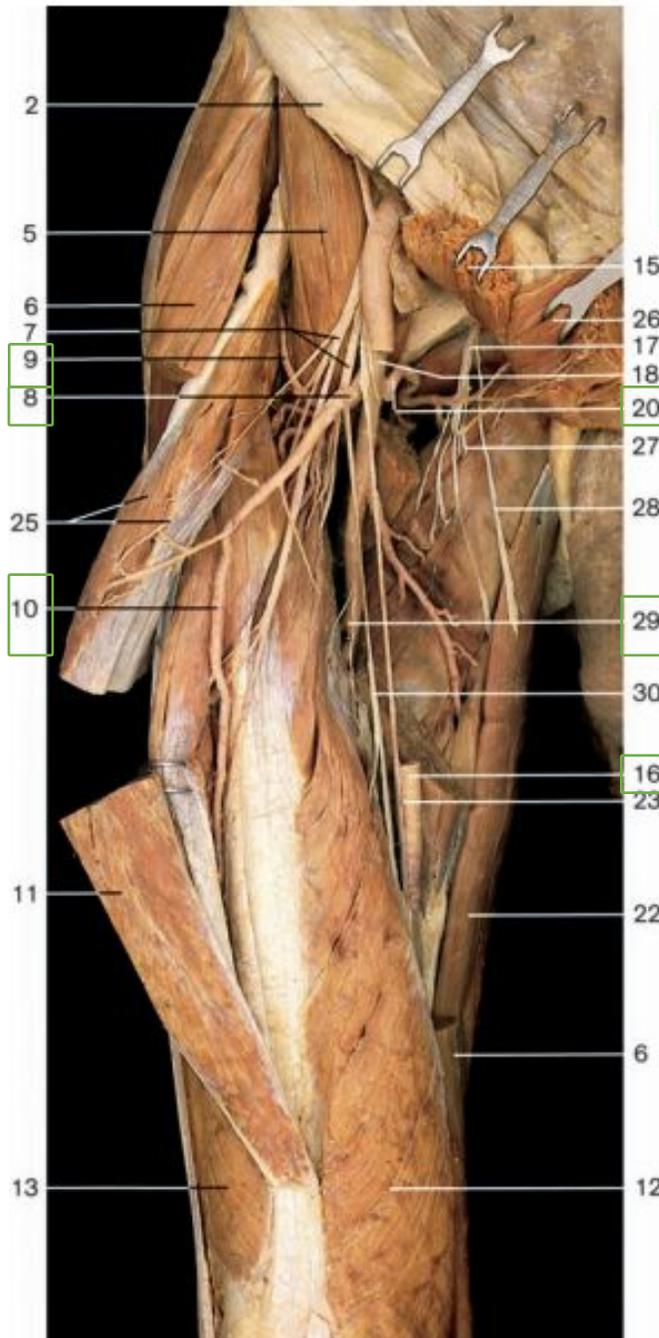


# Суставная сеть колена





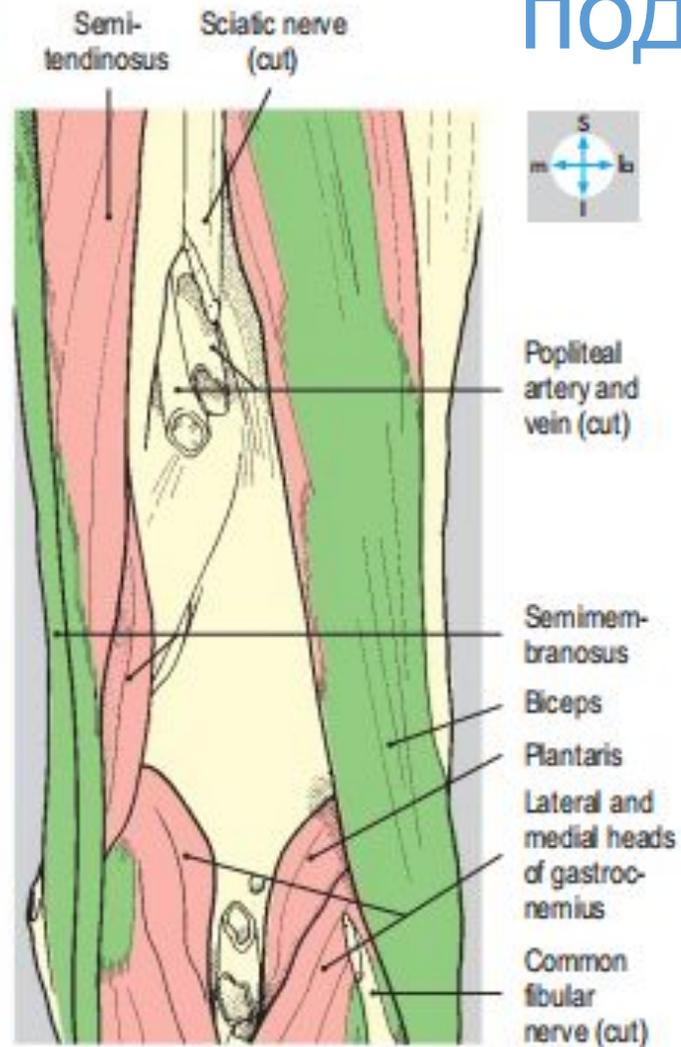
# Глубокая бедренная артерия



- 1 Anterior superior iliac spine
- 2 Inguinal ligament
- 3 Tensor fasciae latae muscle
- 4 Deep circumflex iliac artery
- 5 Iliopsoas muscle
- 6 Sartorius muscle (cut)
- 7 Femoral nerve
- 8 Lateral circumflex femoral artery
- 9 Ascending branch of lateral circumflex femoral artery
- 10 Descending branch of lateral circumflex femoral artery
- 11 Rectus femoris muscle
- 12 Vastus medialis muscle
- 13 Vastus lateralis muscle
- 14 Femoral vein
- 15 Pectineus muscle (cut)
- 16 Femoral artery (cut)
- 17 Obturator nerve
- 18 Deep artery of thigh
- 19 Ascending branch of medial circumflex femoral artery
- 20 Medial circumflex femoral artery
- 21 Adductor longus muscle
- 22 Gracilis muscle
- 23 Saphenous nerve
- 24 Distal part of vasto-adductor membrane
- 25 Rectus femoris muscle with muscular branches of femoral nerve
- 26 Adductor longus muscle (divided)
- 27 Posterior branch of obturator nerve
- 28 Anterior branch of obturator nerve
- 29 Point at which perforating artery branches off from deep artery of thigh
- 30 Muscular branch of femoral nerve to vastus medialis muscle

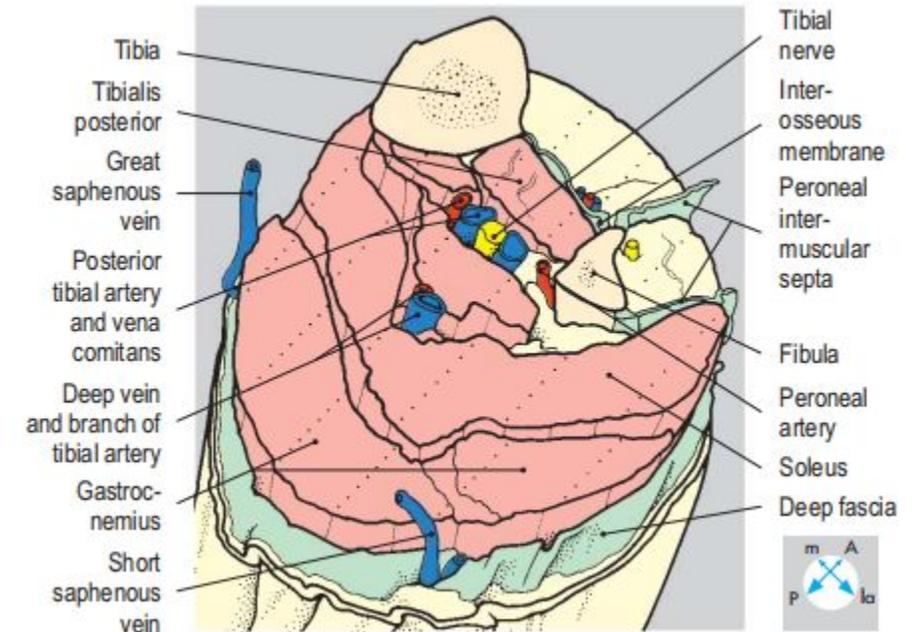
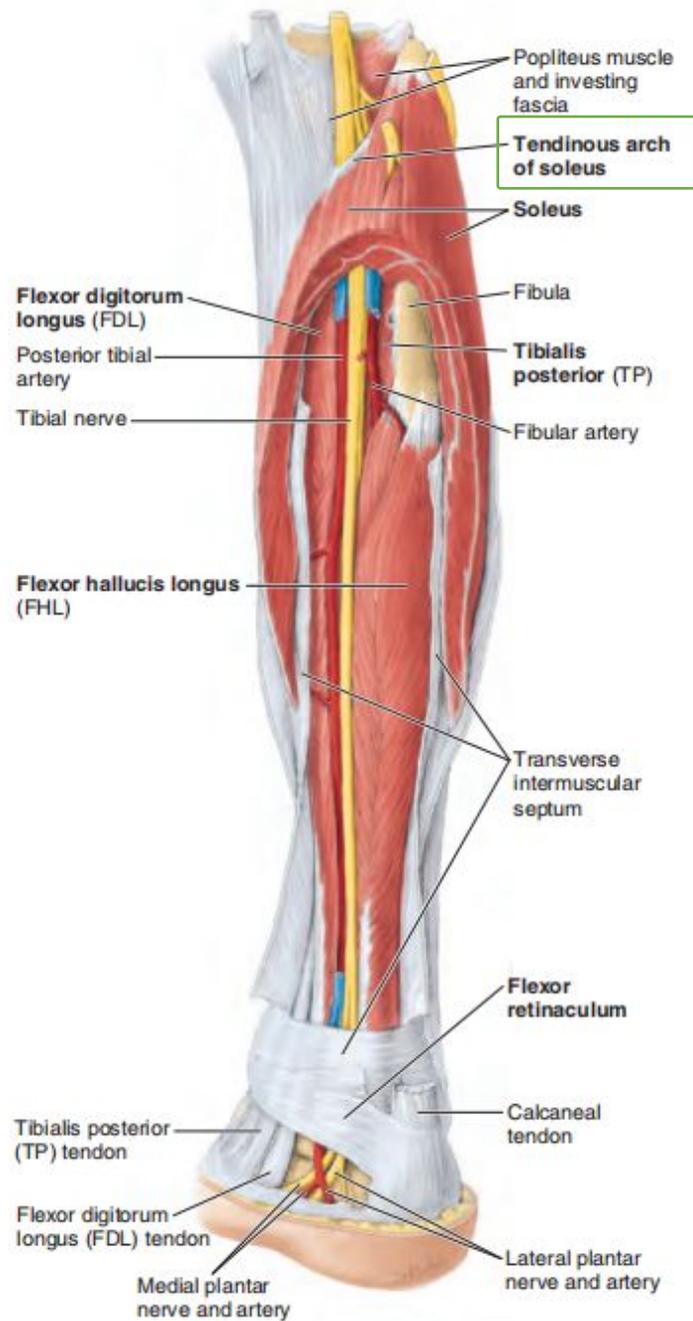
ГОЛЕНЬ

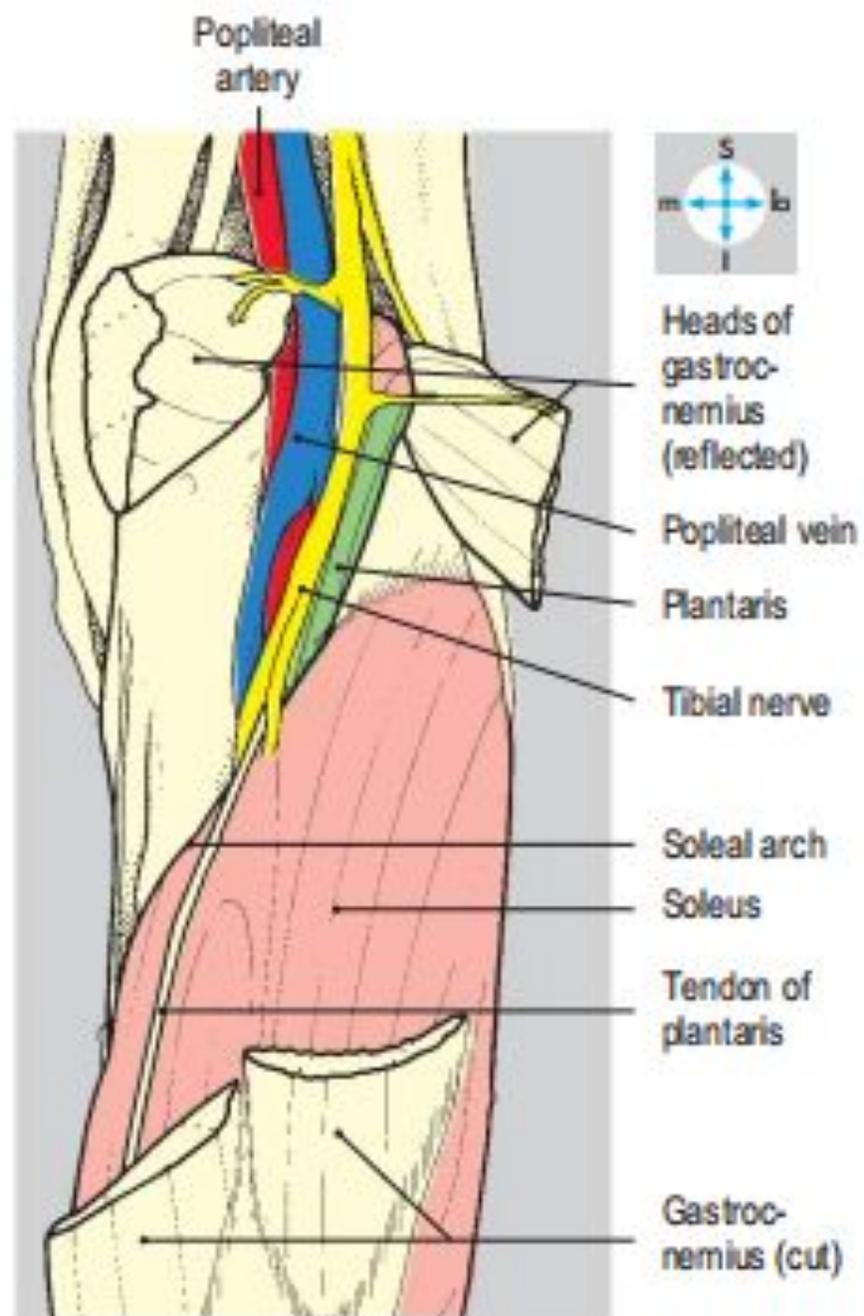
# Вспоминаем подколенную ямку

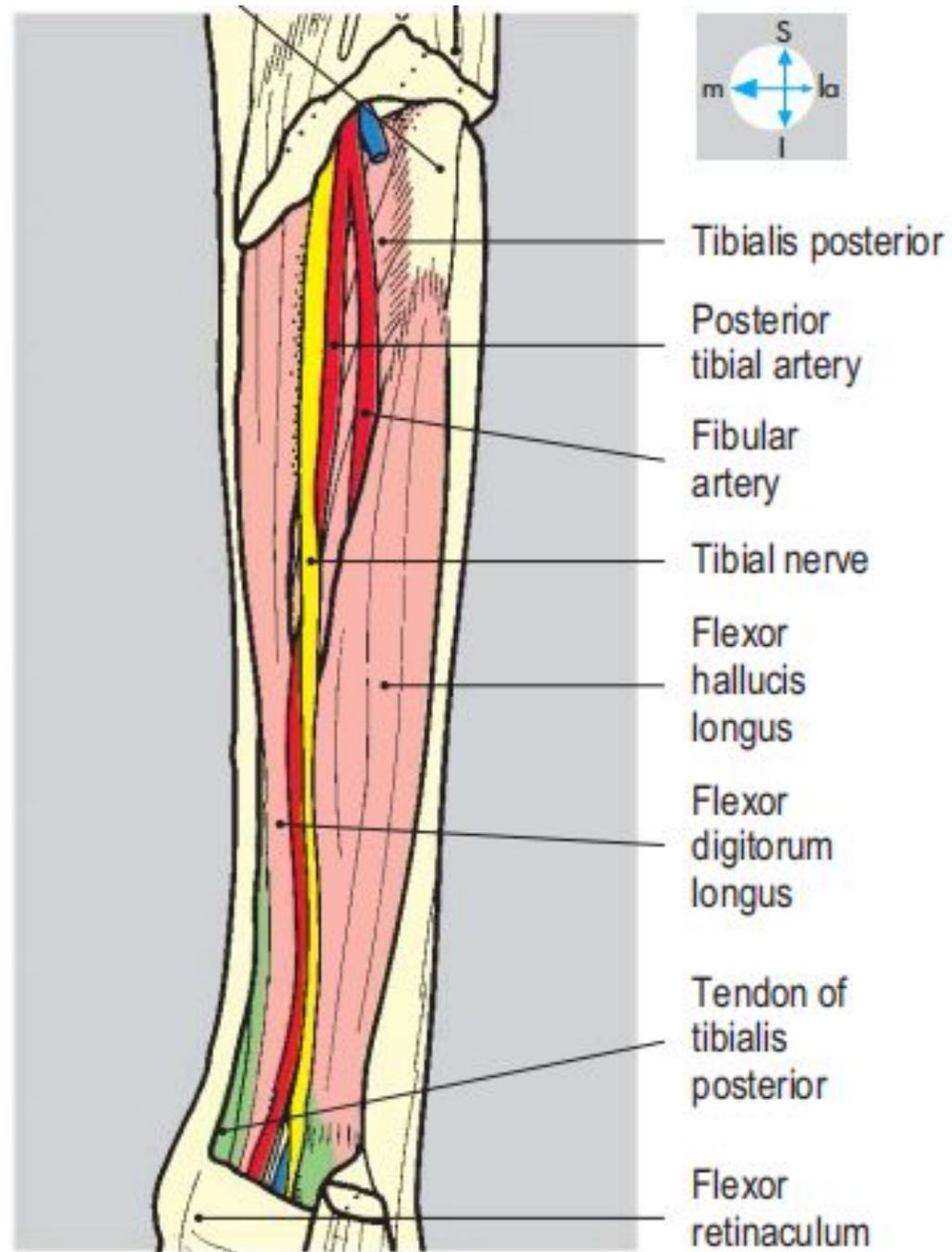


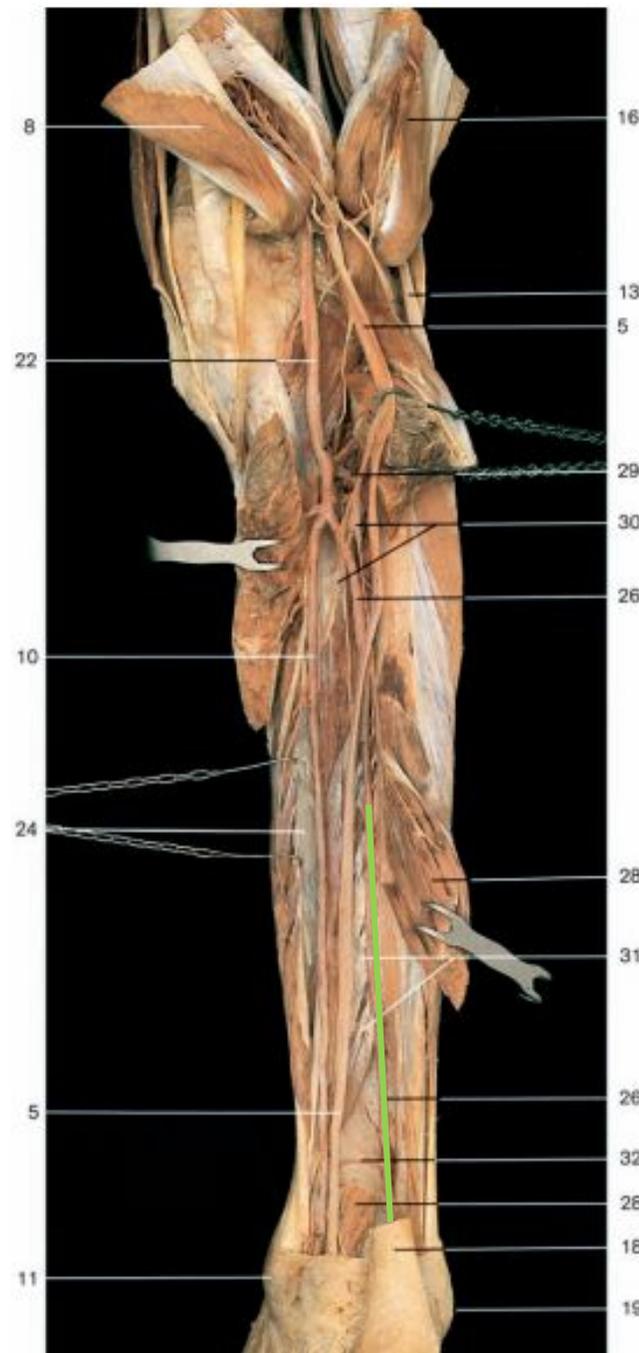
**Fig. 6.38** Muscles forming the walls of the popliteal fossa.

# Вспоминаем голено-подколенный канал (Грубера)



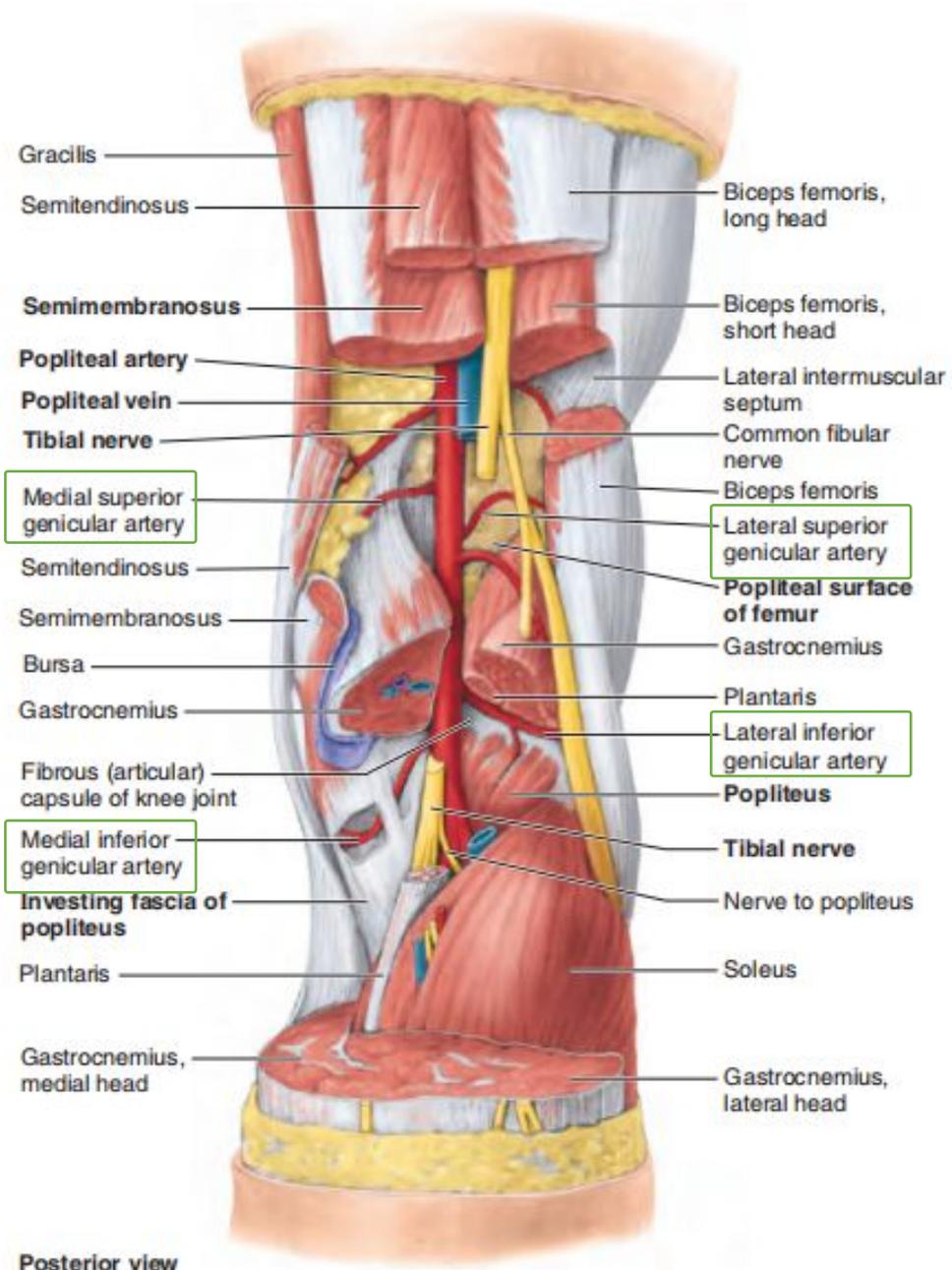




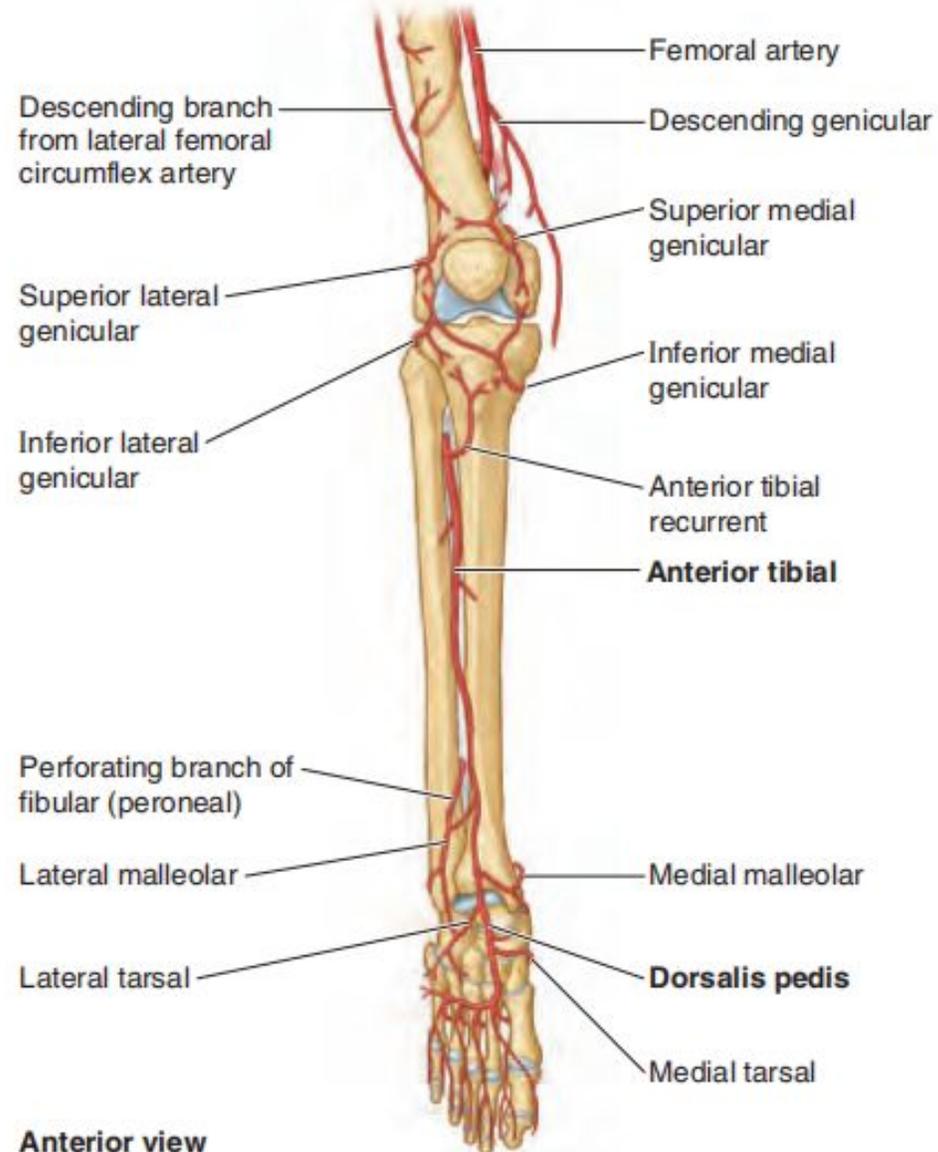
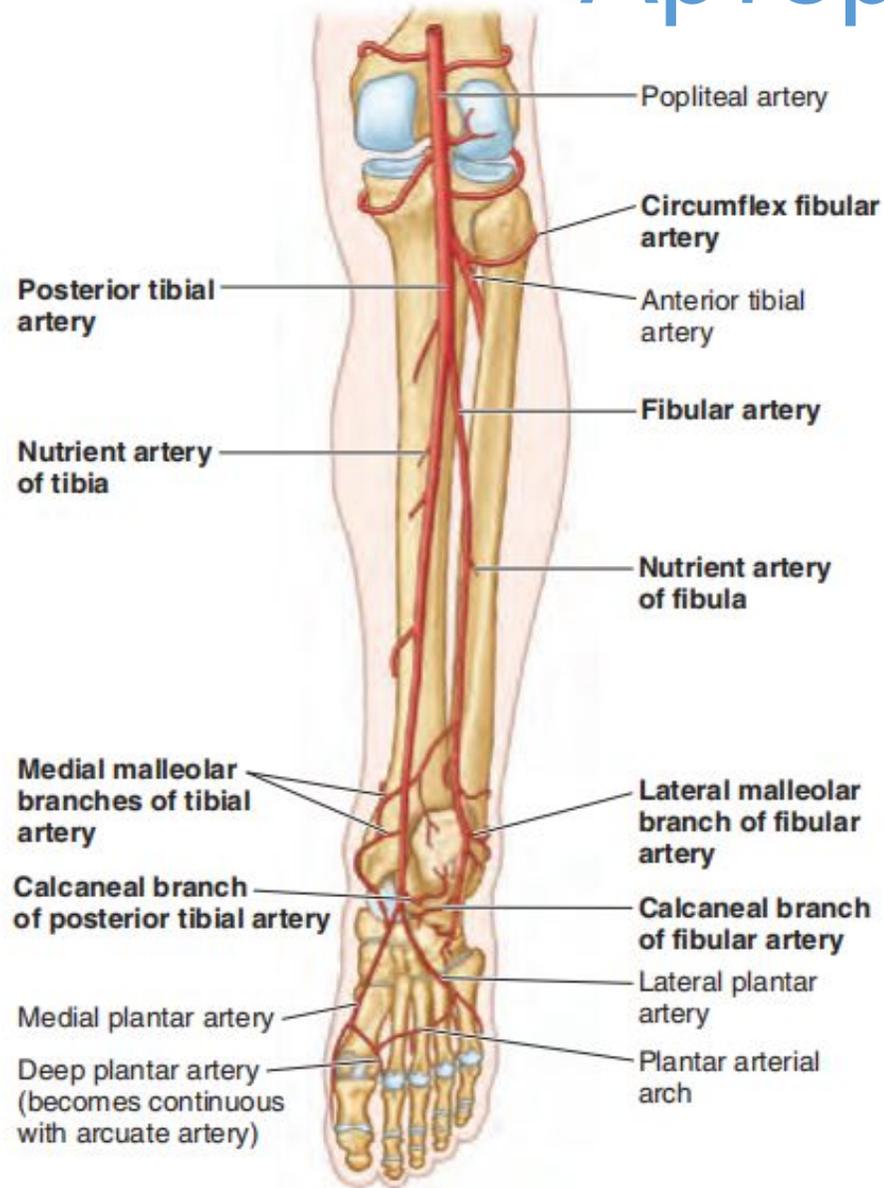


Вспоминаем  
нижний  
мышечно-  
малоберцовы  
й канал

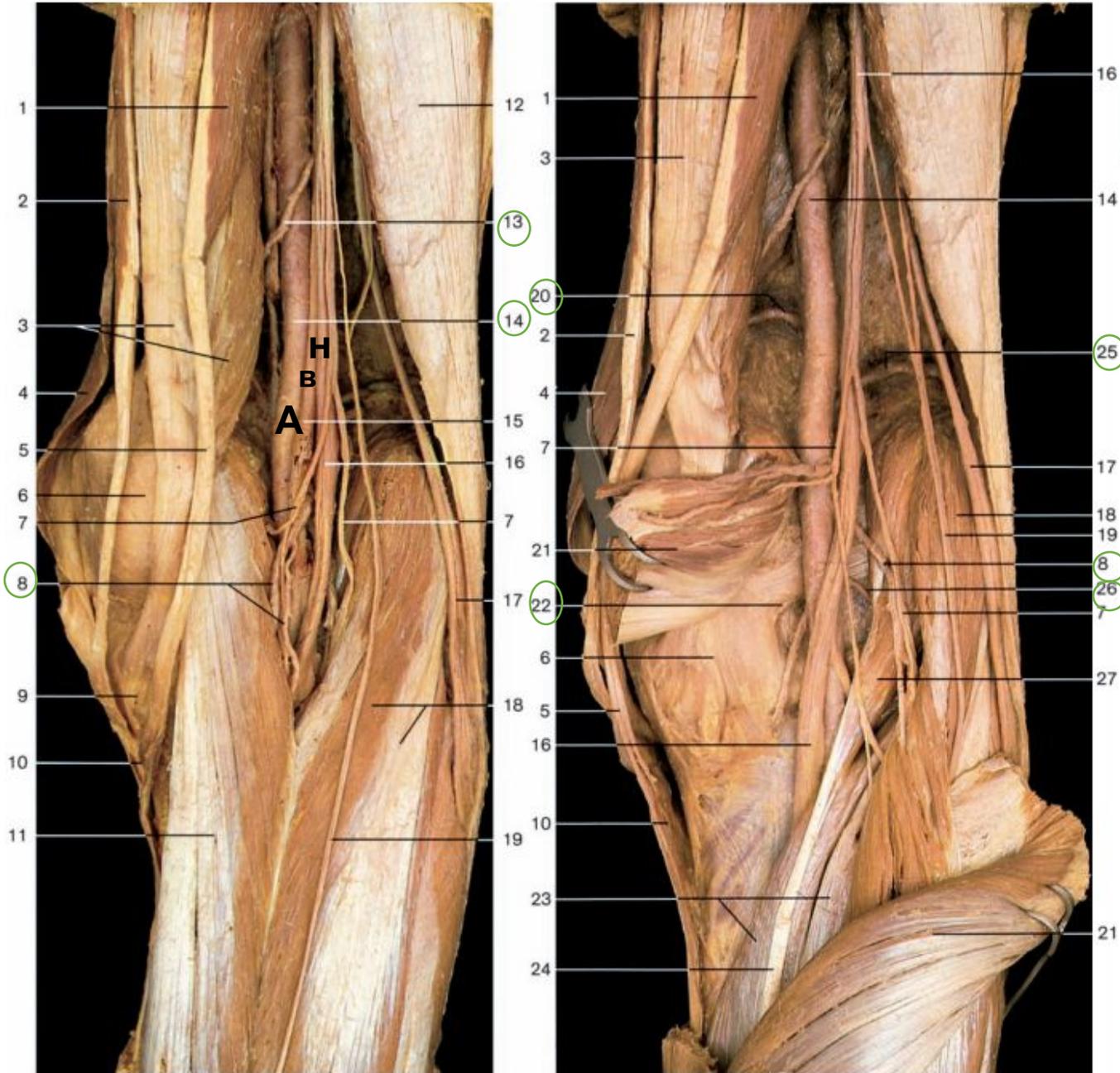
# Подколенная артерия



# Артерии голени

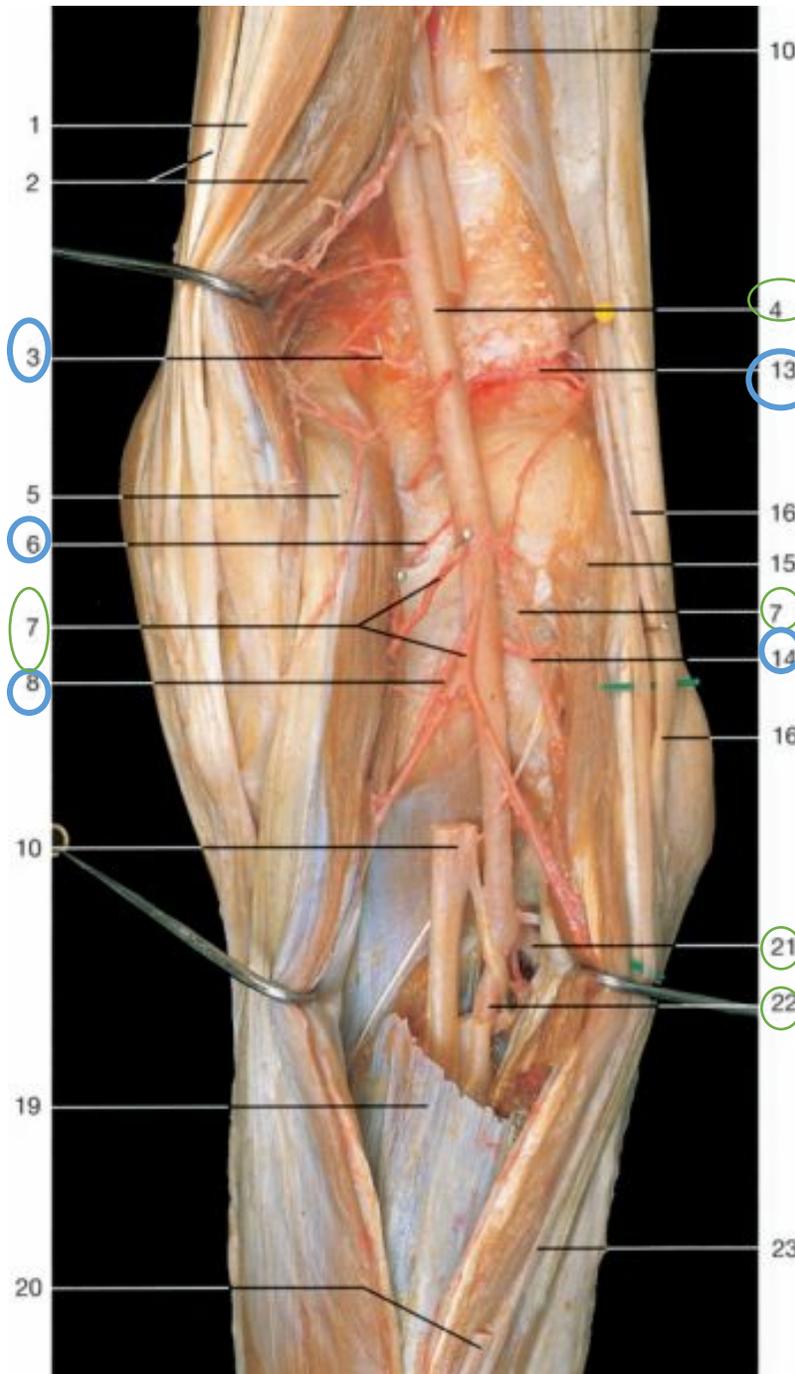
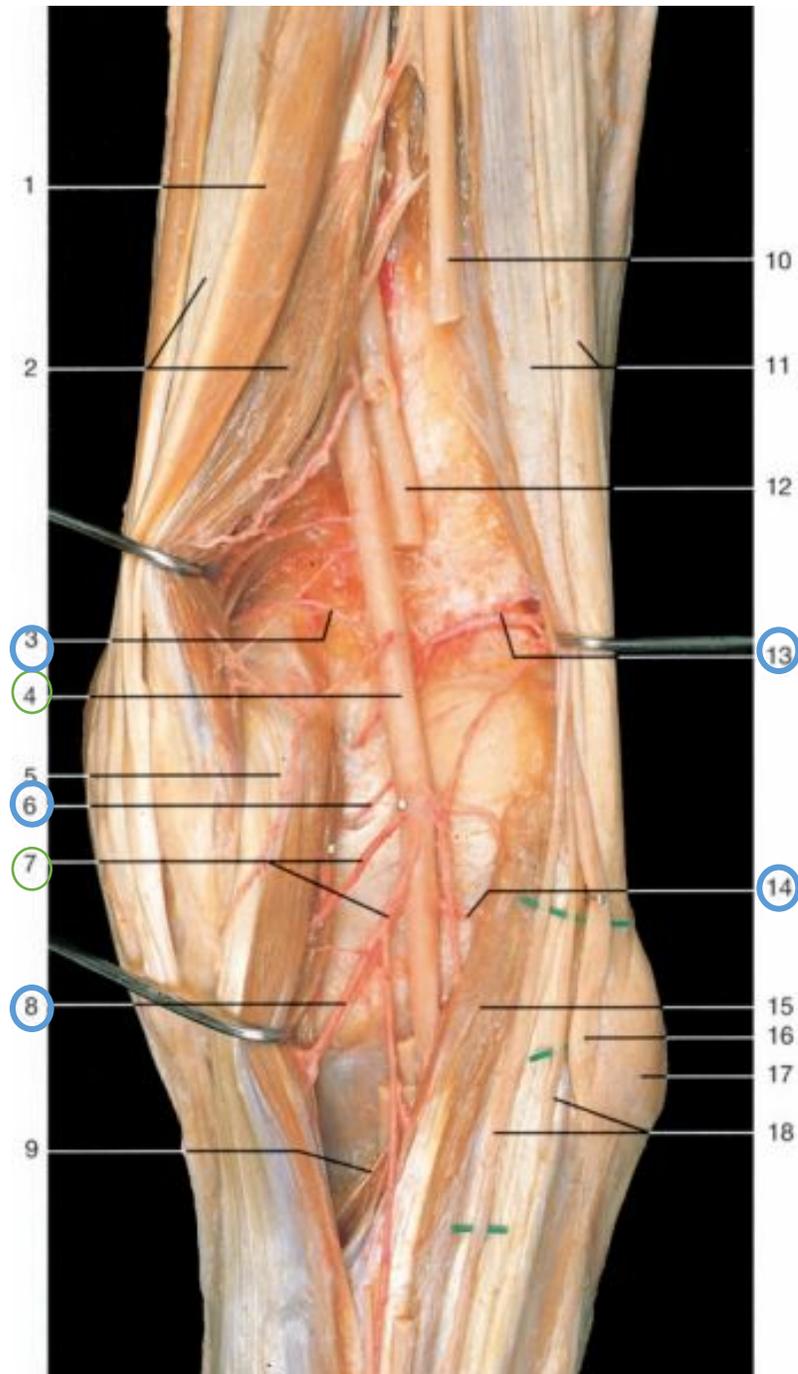


# Подколенная артерия



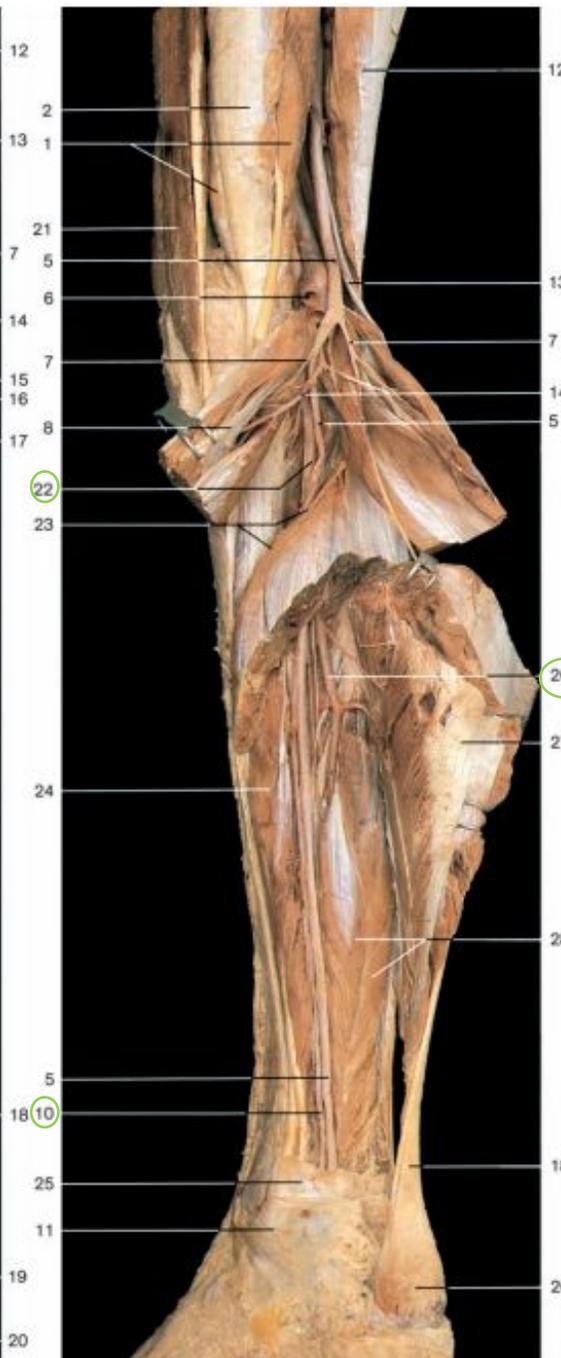
- 1 Semitendinosus muscle
- 2 Gracilis muscle
- 3 Semimembranosus muscle
- 4 Sartorius muscle
- 5 Tendon of semitendinosus muscle
- 6 Position of medial condyle of femur
- 7 Muscular branches of tibial nerve
- 8 Sural arteries and veins
- 9 Tendon of semimembranosus muscle
- 10 Common tendon of gracilis, semitendinosus, and sartorius muscles (pes anserinus)
- 11 Medial head of gastrocnemius muscle
- 12 Biceps femoris muscle
- 13 Muscular branch of popliteal artery
- 14 Popliteal artery
- 15 Popliteal vein
- 16 Tibial nerve
- 17 Common fibular nerve
- 18 Lateral head of gastrocnemius muscle
- 19 Medial sural cutaneous nerve
- 20 Medial superior genicular artery
- 21 Medial head of gastrocnemius muscle (cut and reflected)
- 22 Medial inferior genicular artery
- 23 Soleus muscle
- 24 Tendon of plantaris muscle
- 25 Lateral superior genicular artery
- 26 Lateral inferior genicular artery
- 27 Plantaris muscle

# Подколенная артерия



- 1 Semitendinosus muscle
- 2 Semimembranosus muscle
- 3 Medial superior genicular artery
- 4 Popliteal artery
- 5 Medial head of gastrocnemius muscle
- 6 Middle genicular artery
- 7 Muscular branches of popliteal artery
- 8 Medial inferior genicular artery
- 9 Tendon of plantaris muscle
- 10 Tibial nerve (cut)
- 11 Biceps femoris muscle
- 12 Popliteal vein (cut)
- 13 Lateral superior genicular artery
- 14 Lateral inferior genicular artery
- 15 Lateral head of gastrocnemius muscle
- 16 Common fibular nerve
- 17 Head of fibula
- 18 Lateral sural cutaneous nerves
- 19 Soleus muscle
- 20 Medial sural cutaneous nerve
- 21 Anterior tibial artery
- 22 Posterior tibial artery
- 23 Lateral sural cutaneous nerve

# Артерии голени

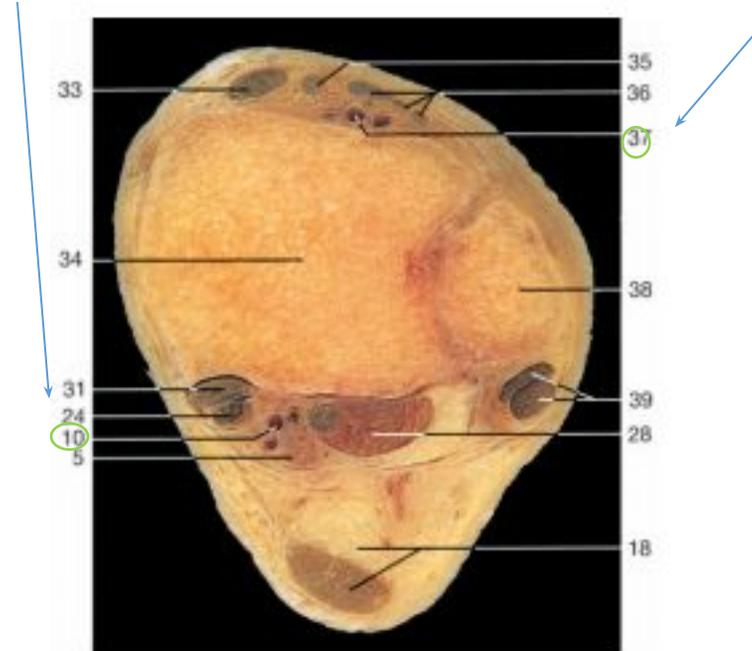
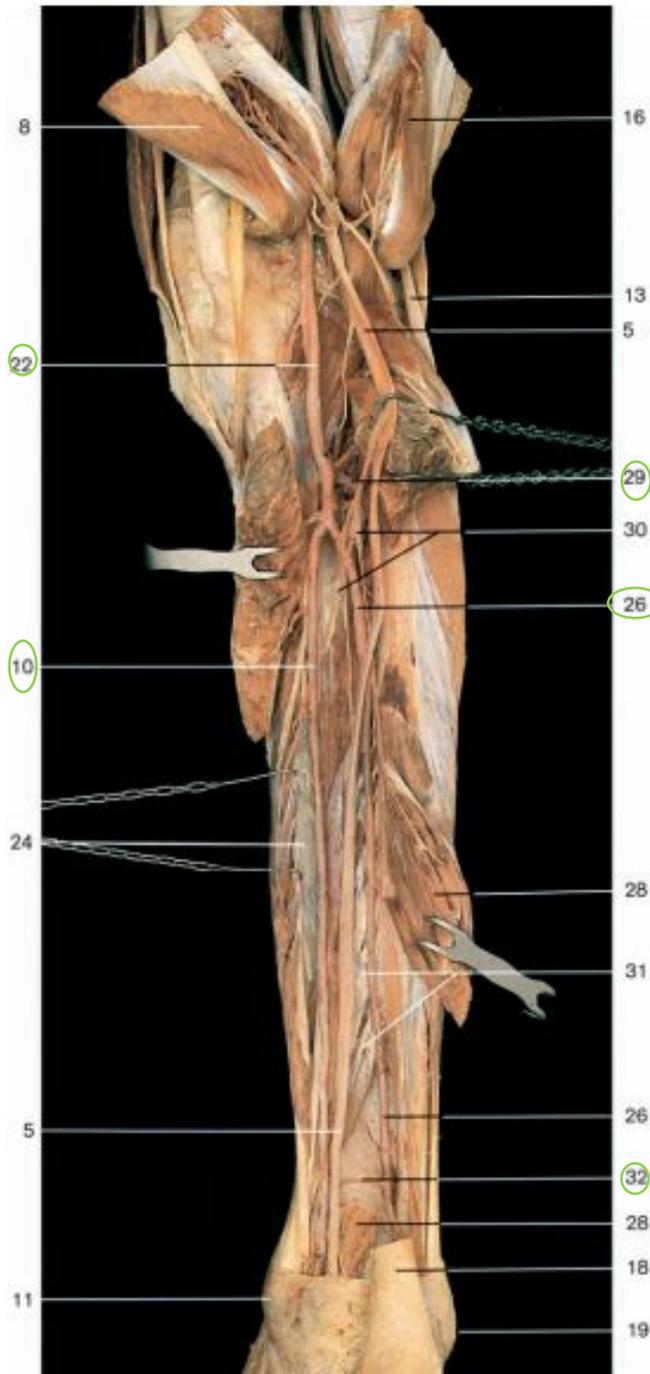


- 1 Semimembranosus muscle
- 2 Semitendinosus muscle
- 3 Popliteal vein
- 4 Popliteal artery
- 5 Tibial nerve
- 6 Small saphenous vein (cut)
- 7 Muscular branch of tibial nerve
- 8 Medial head of gastrocnemius muscle
- 9 Tendon of plantaris muscle
- 10 Posterior tibial artery
- 11 Medial malleolus
- 12 Biceps femoris muscle
- 13 Common fibular nerve
- 14 Sural arteries
- 15 Plantaris muscle
- 16 Lateral head of gastrocnemius muscle
- 17 Soleus muscle
- 18 Calcaneal or Achilles tendon
- 19 Lateral malleolus
- 20 Calcaneal tuberosity
- 21 Sartorius muscle
- 22 Popliteal artery
- 23 Tendinous arch of soleus muscle
- 24 Flexor digitorum longus muscle
- 25 Flexor retinaculum
- 26 Peroneal artery
- 27 Triceps surae muscle (cut)
- 28 Flexor hallucis longus muscle
- 29 Anterior tibial artery
- 30 Muscular branches of tibial nerve
- 31 Tibialis posterior muscle
- 32 Communicating branch of peroneal artery
- 33 Tendon of tibialis anterior muscle
- 34 Tibia
- 35 Tendon of extensor hallucis longus muscle
- 36 Tendons of extensor digitorum longus muscle
- 37 Anterior tibial artery
- 38 Fibula
- 39 Tendons of peroneus longus and brevis muscles

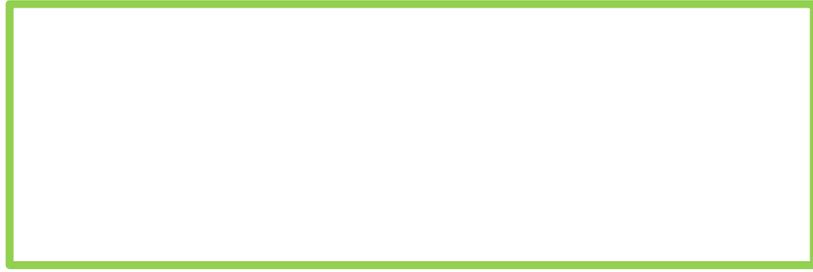
# Артерии голени

Артерия проходит через 4 фиброзный канал под удерживателем мышц-сгибателей

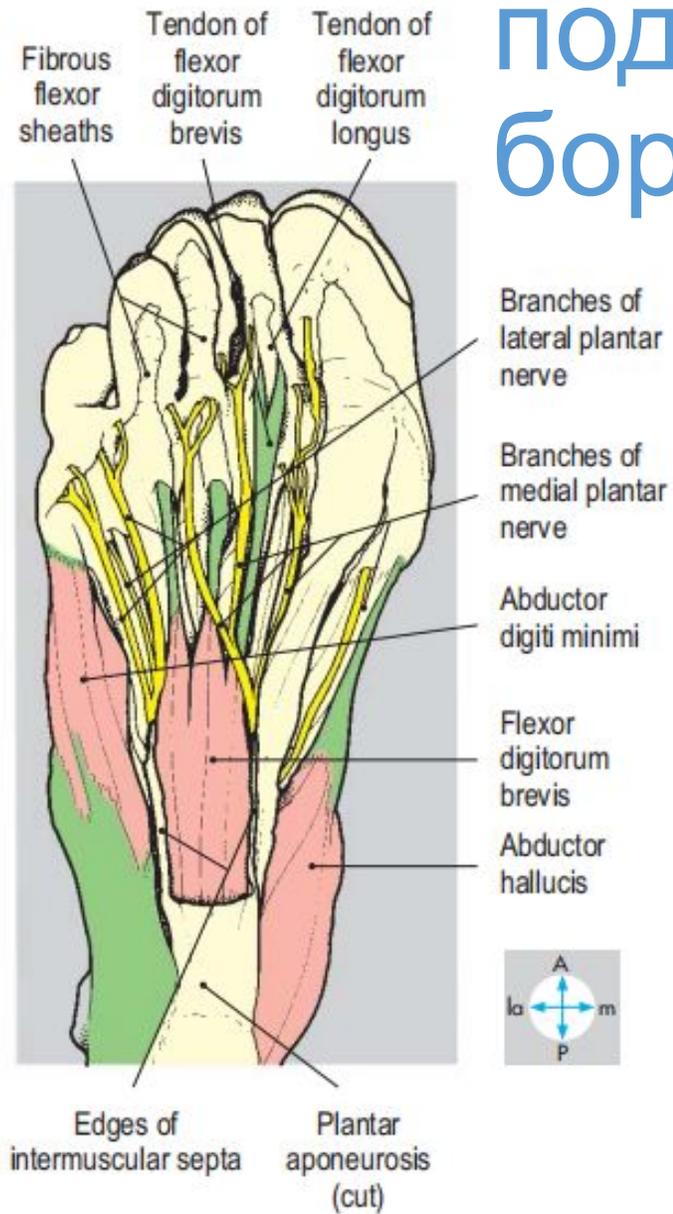
Артерия проходит через 4 фиброзный канал под **нижним удерживателем** мышц-разгибателей



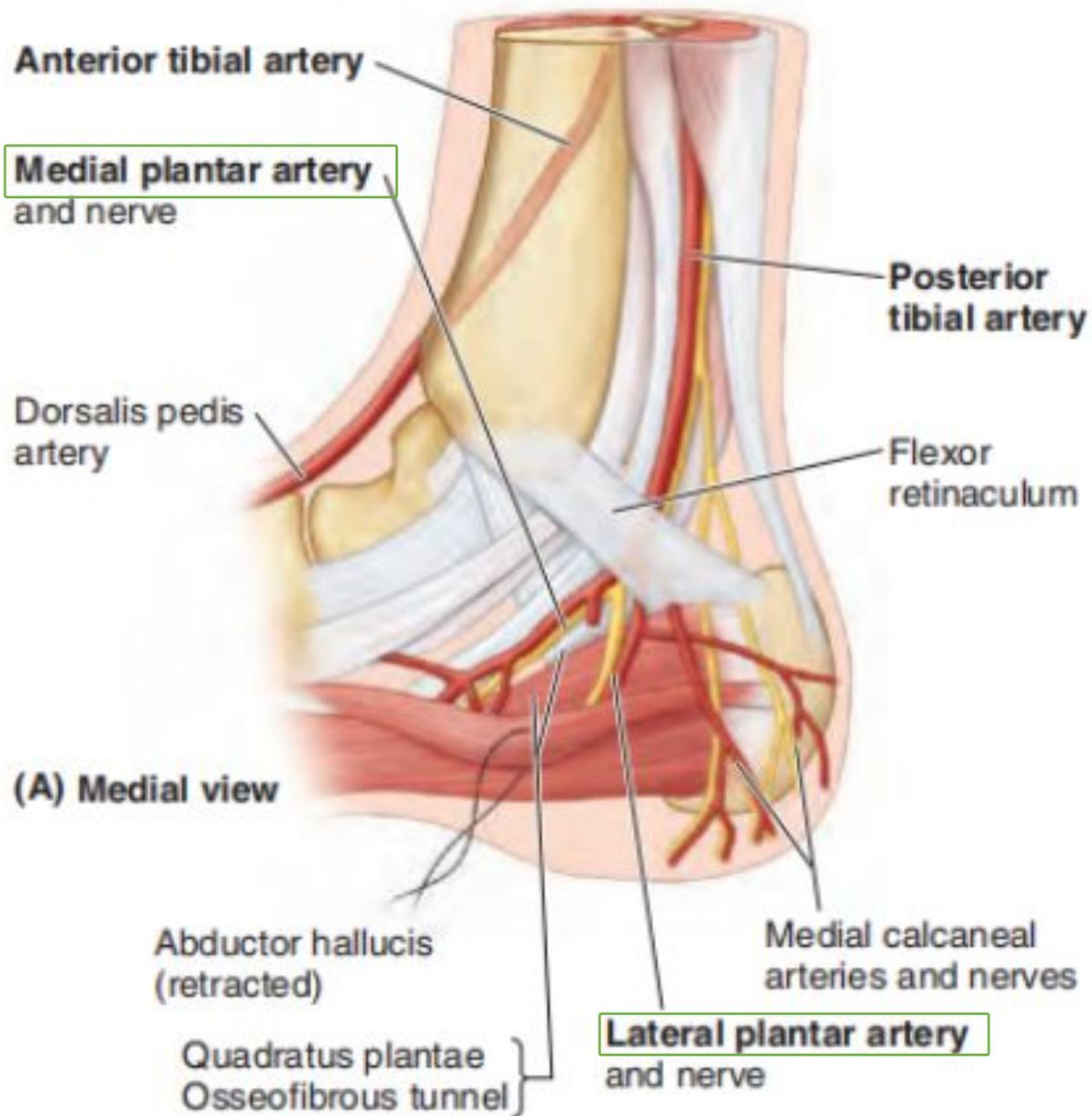
- 1 Semimembranosus muscle
- 2 Semitendinosus muscle
- 3 Popliteal vein
- 4 Popliteal artery
- 5 Tibial nerve
- 6 Small saphenous vein (cut)
- 7 Muscular branch of tibial nerve
- 8 Medial head of gastrocnemius muscle
- 9 Tendon of plantaris muscle
- 10 Posterior tibial artery
- 11 Medial malleolus
- 12 Biceps femoris muscle
- 13 Common fibular nerve
- 14 Sural arteries
- 15 Plantaris muscle
- 16 Lateral head of gastrocnemius muscle
- 17 Soleus muscle
- 18 Calcaneal or Achilles tendon
- 19 Lateral malleolus
- 20 Calcaneal tuberosity
- 21 Sartorius muscle
- 22 Popliteal artery
- 23 Tendinous arch of soleus muscle
- 24 Flexor digitorum longus muscle
- 25 Flexor retinaculum
- 26 Peroneal artery
- 27 Triceps surae muscle (cut)
- 28 Flexor hallucis longus muscle
- 29 Anterior tibial artery
- 30 Muscular branches of tibial nerve
- 31 Tibialis posterior muscle
- 32 Communicating branch of peroneal artery
- 33 Tendon of tibialis anterior muscle
- 34 Tibia
- 35 Tendon of extensor hallucis longus muscle
- 36 Tendons of extensor digitorum longus muscle
- 37 Anterior tibial artery
- 38 Fibula
- 39 Tendons of peroneus longus and brevis muscles



# Вспоминаем ПОДОШВЕННЫЕ борозды

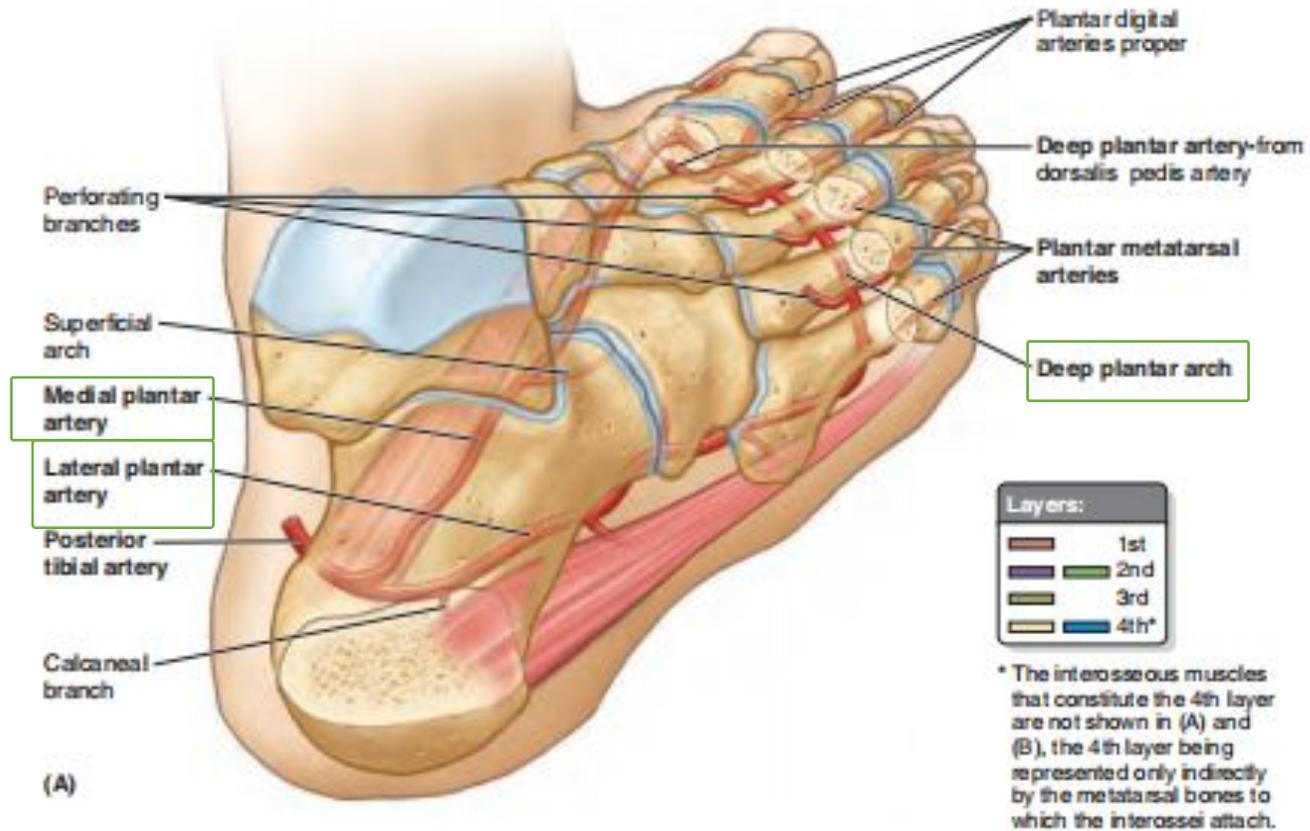


# Подопшвенны е артерии

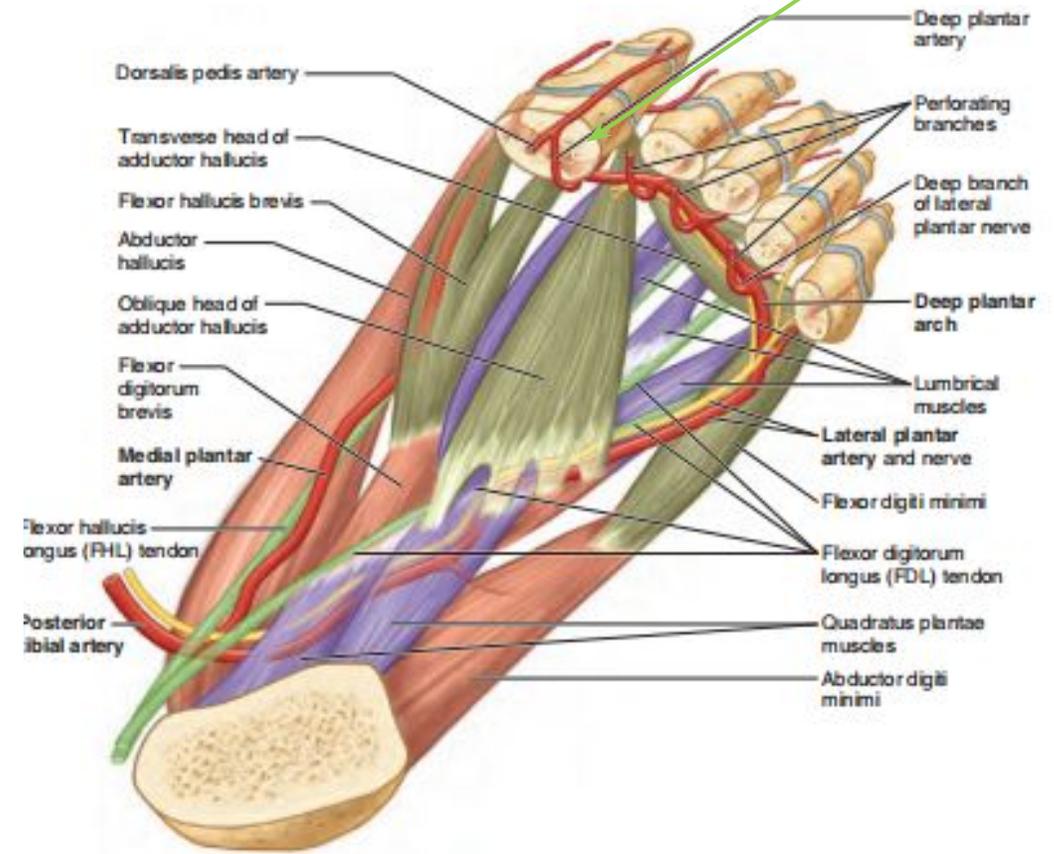


# Подошвенная дуга

Вторая дуга - анастомоз между arcus plantaris и r. plantaris profundus

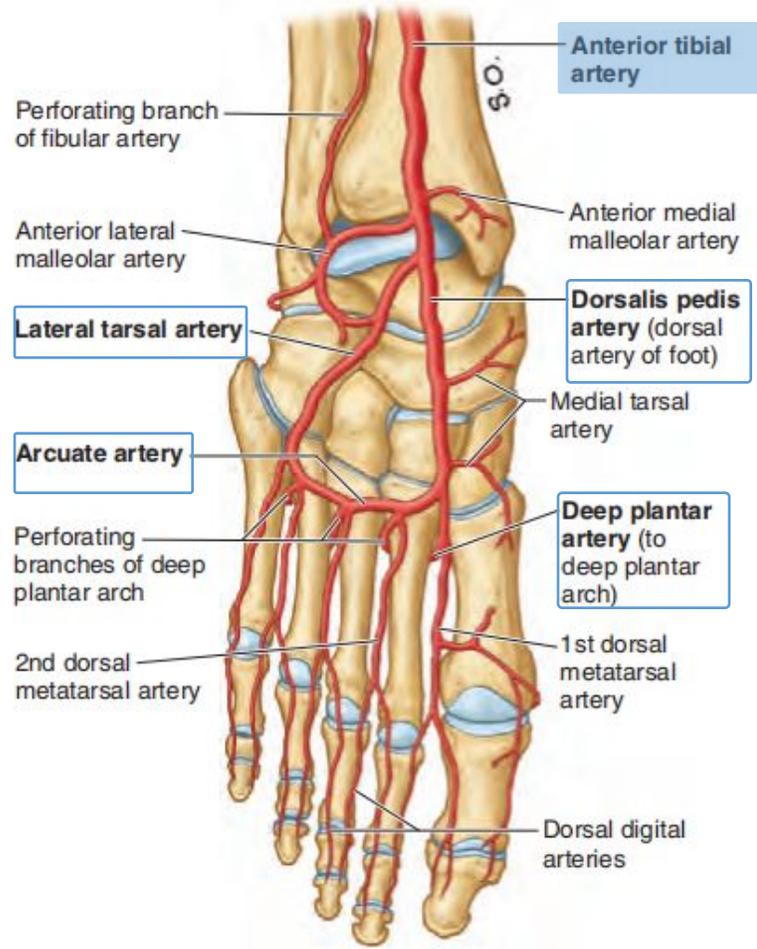


(A)

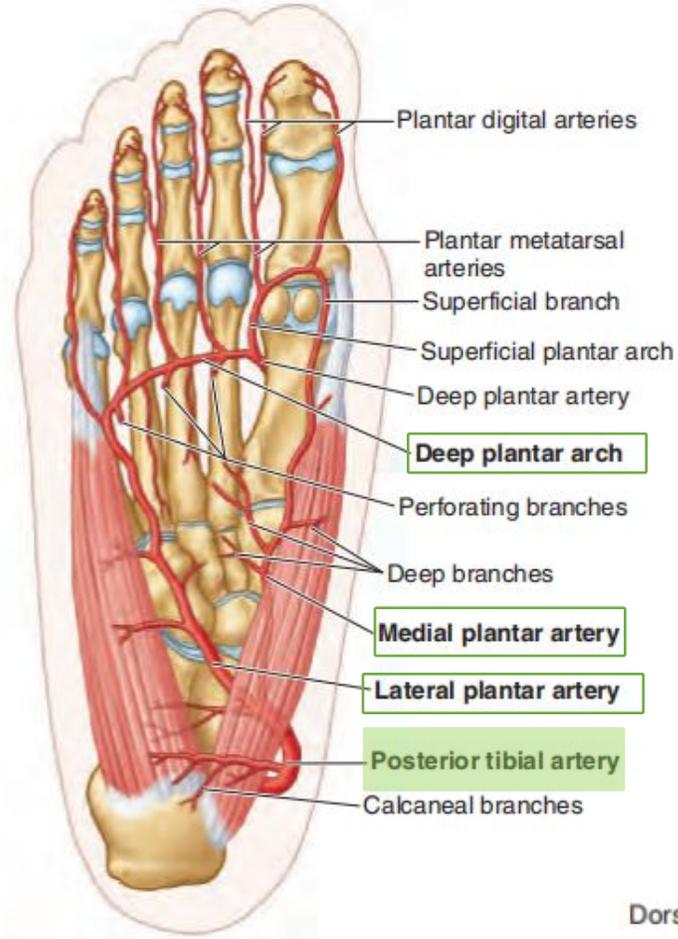


(B)

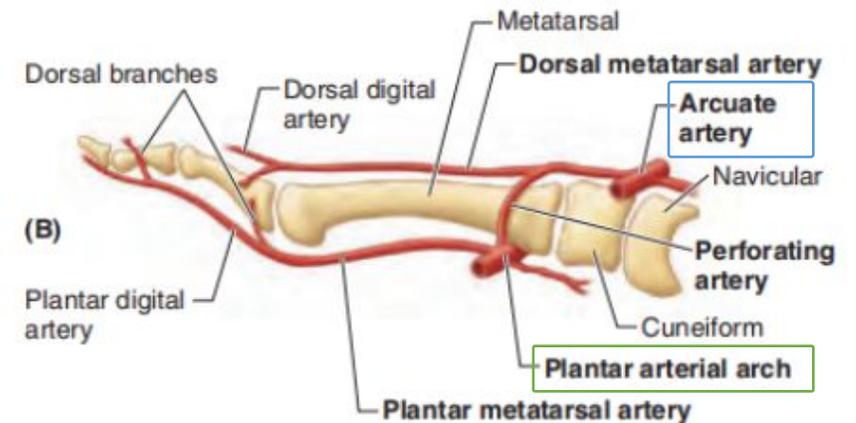
# Артерии стопы



(A) Dorsum of foot

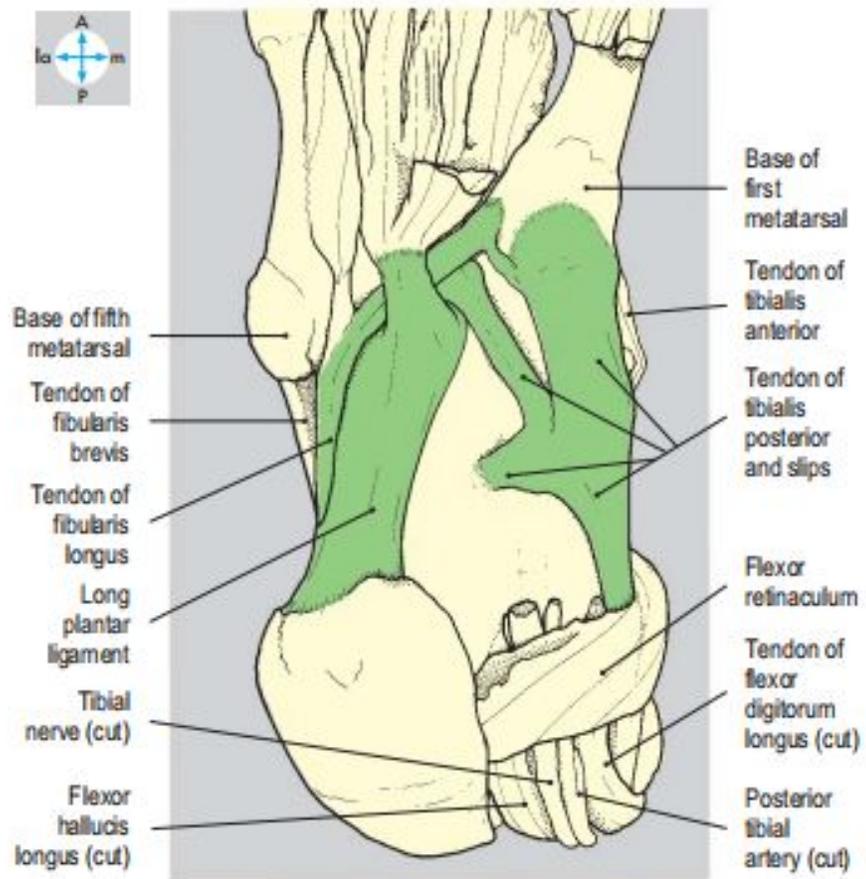


(B) Plantar aspect of foot

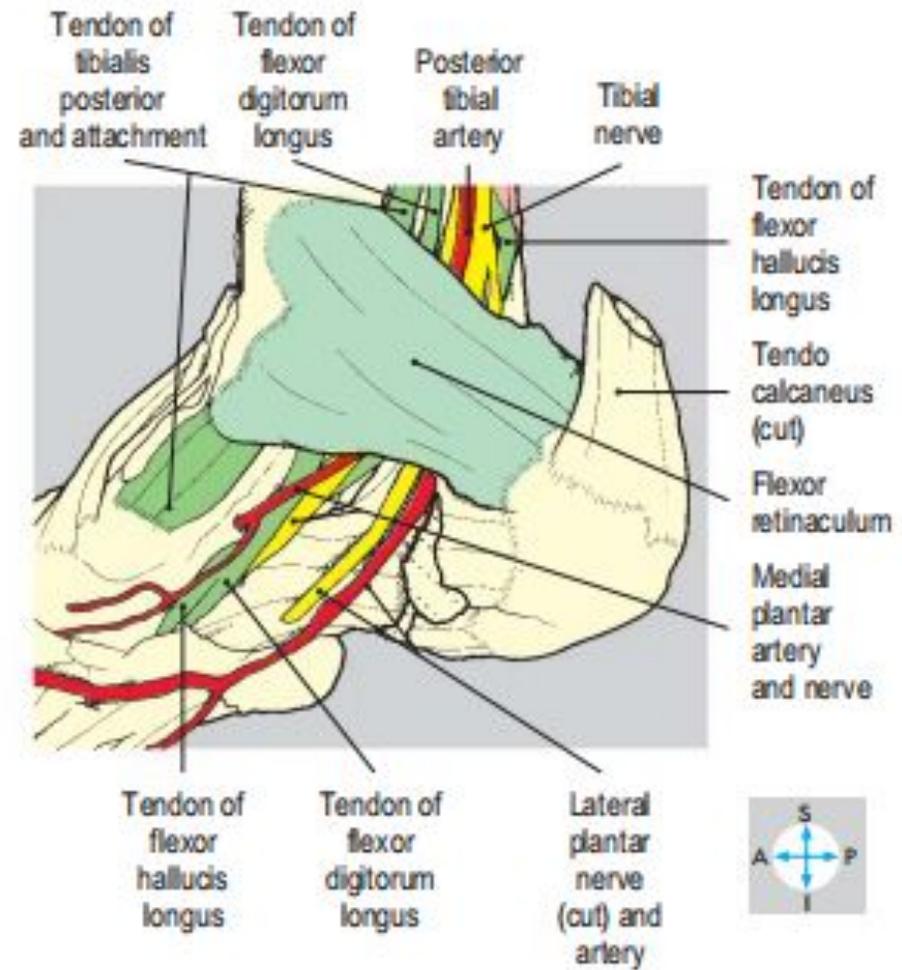
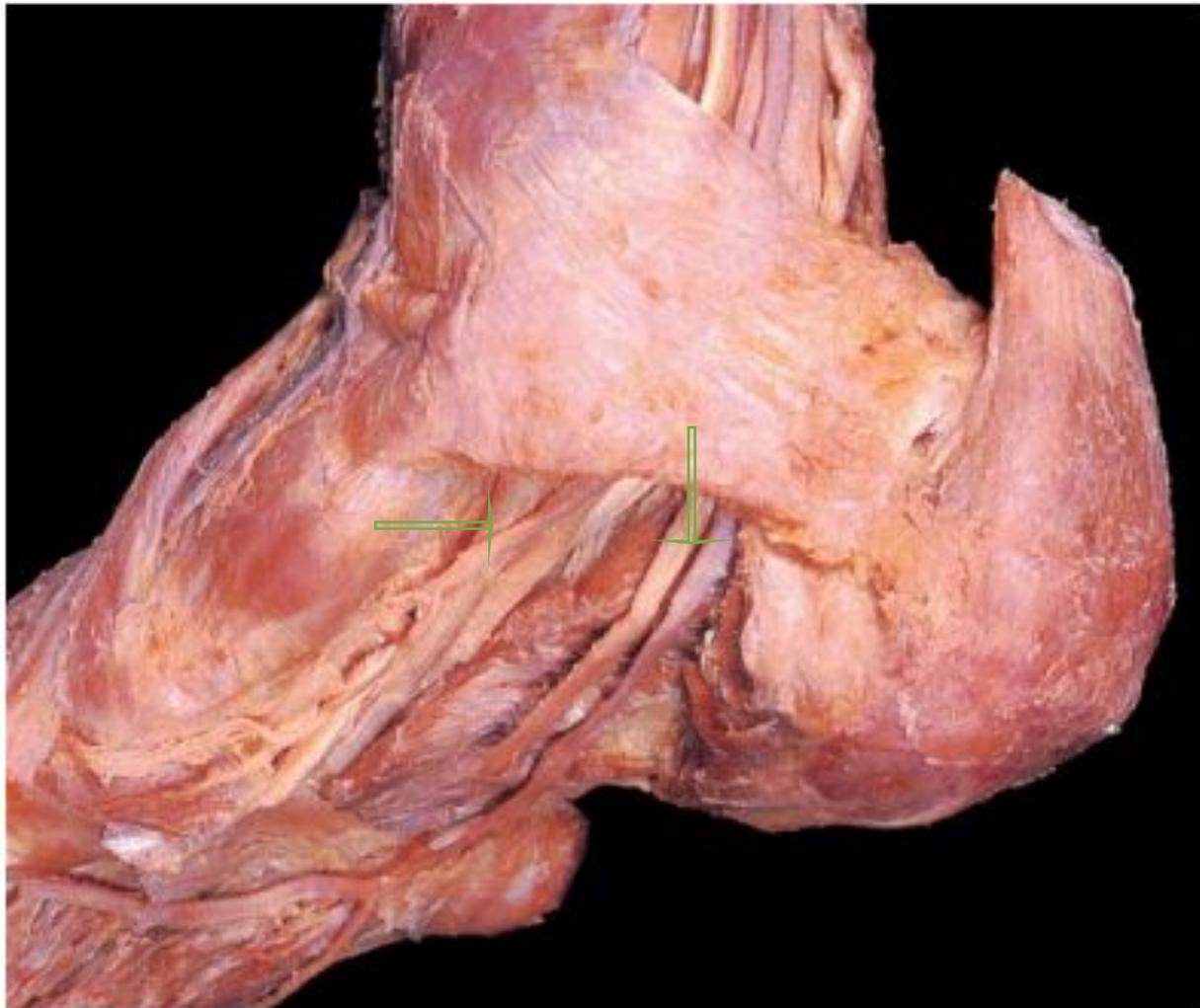


(B)

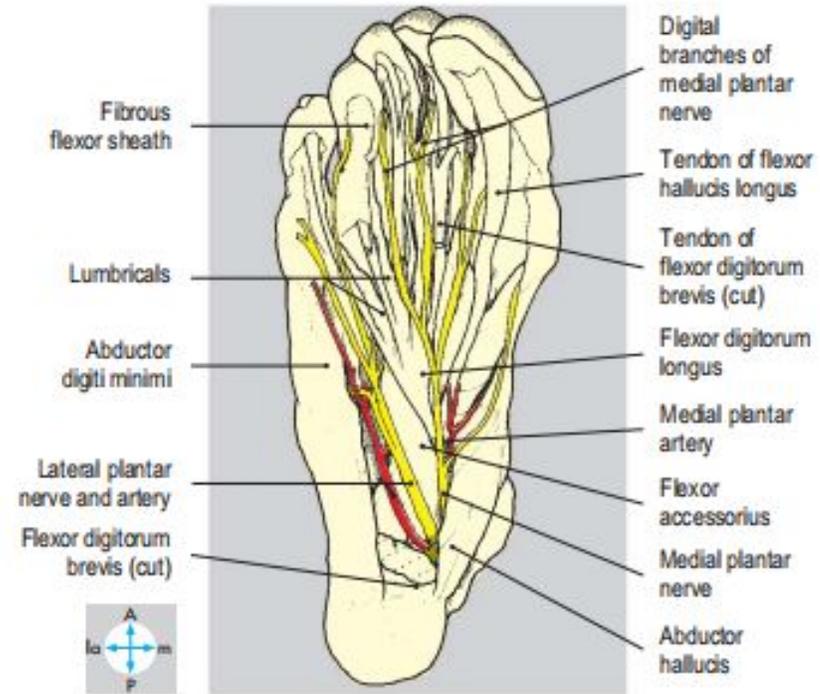
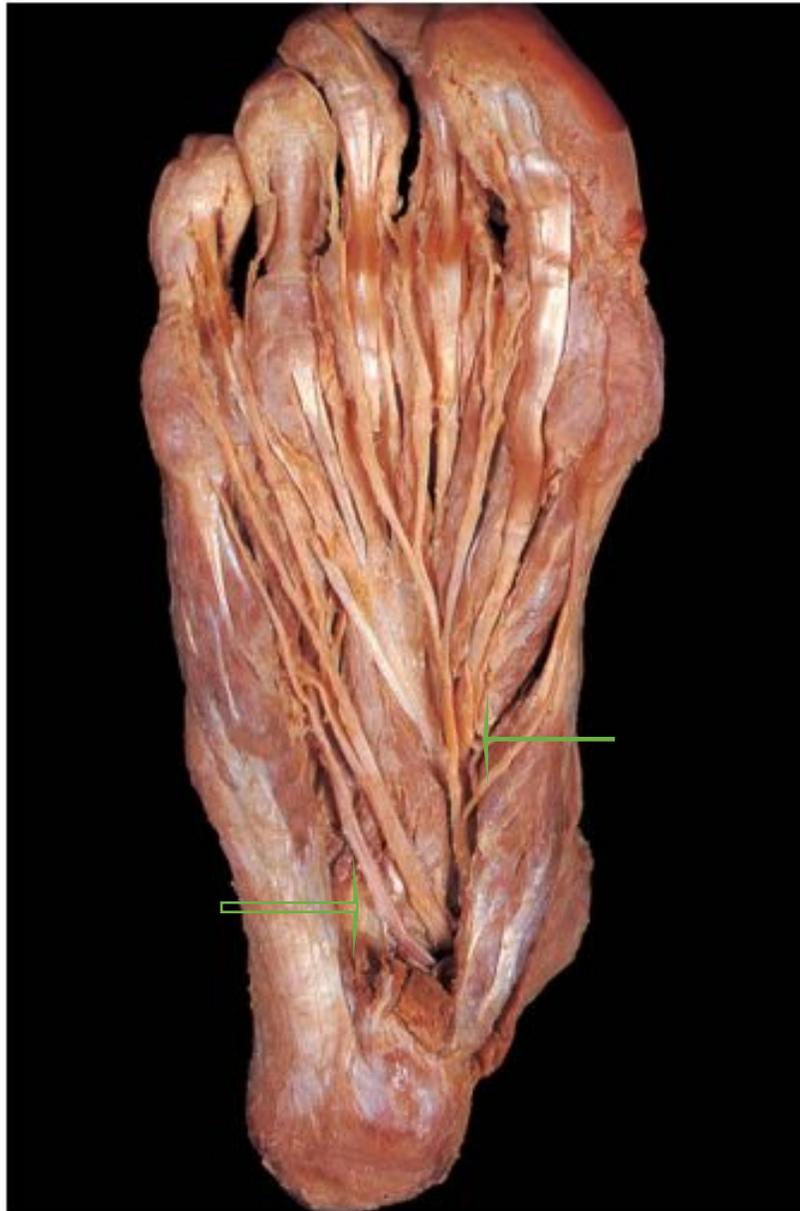
# Задняя большеберцовая артерия



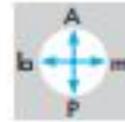
# Подошвенные артерии



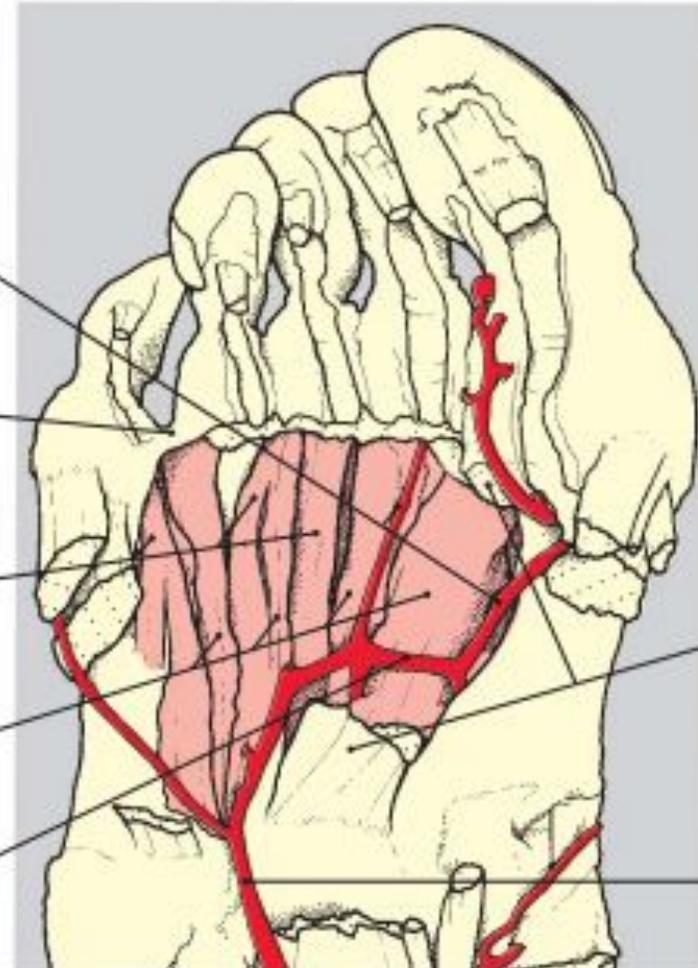
# Подошвенные артерии



# Подошвенная дуга



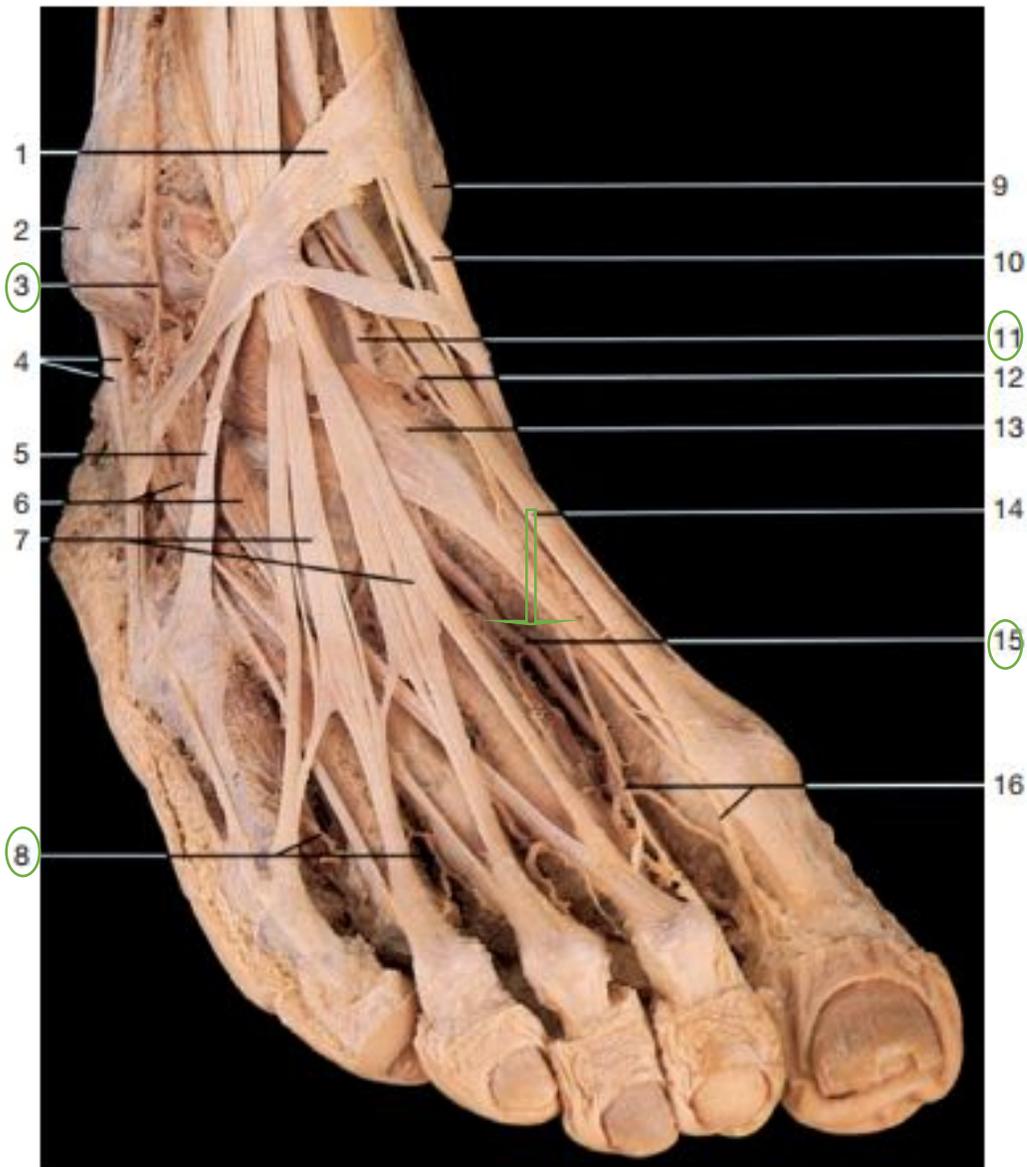
Plantar metatarsal arteries  
Deep transverse metatarsal ligament  
Plantar inter-  
osseous muscles  
Dorsal inter-  
osseous muscles  
Plantar arch



Adductor  
hallucis  
(cut)

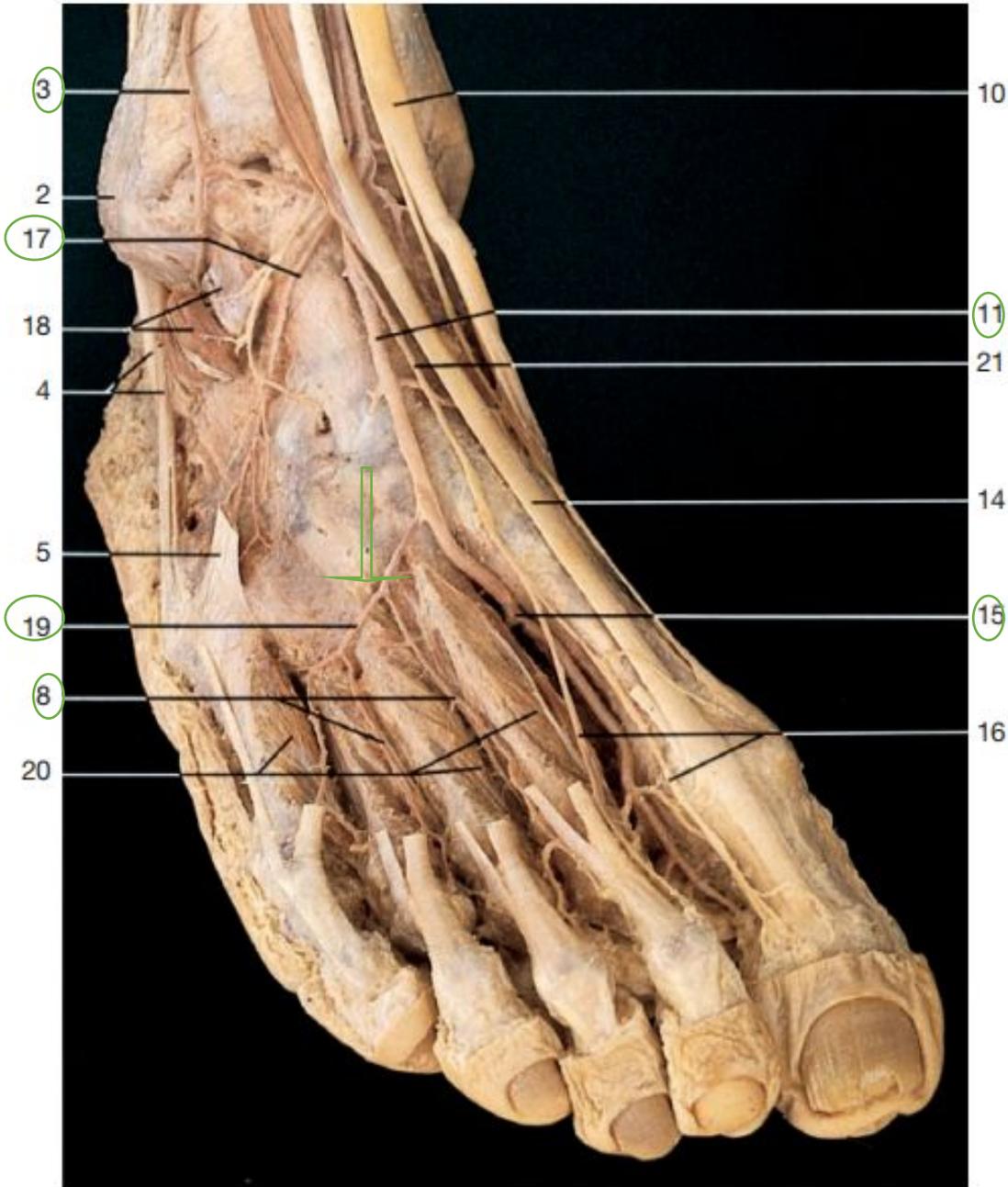
Lateral and  
medial  
plantar  
arteries

# Тыльная артерия СТОПЫ

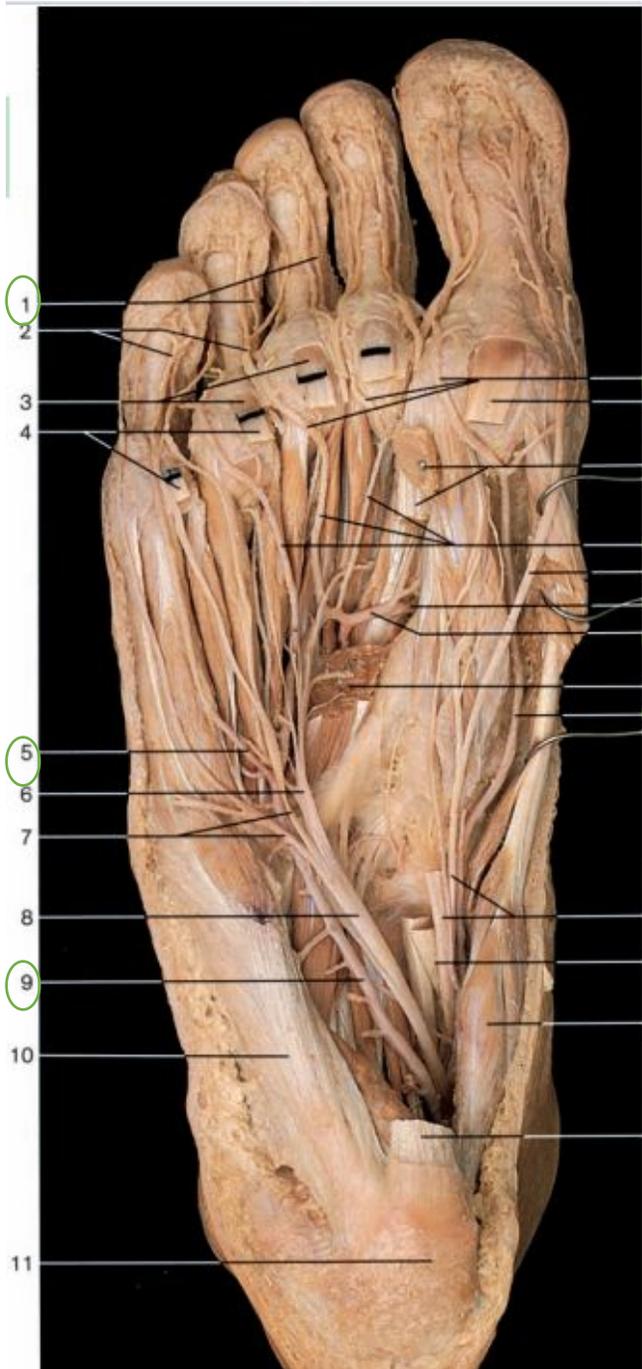


- 1 Inferior extensor retinaculum
- 2 Lateral malleolus
- 3 Lateral anterior malleolar artery
- 4 Tendons of peroneal muscles
- 5 Tendon of peroneus tertius muscle
- 6 Extensor digitorum brevis muscle
- 7 Tendons of extensor digitorum longus muscle
- 8 Dorsal metatarsal arteries
- 9 Medial malleolus
- 10 Tendon of tibialis anterior muscle
- 11 Dorsalis pedis artery
- 12 Deep fibular nerve (on dorsum of foot)
- 13 Extensor hallucis brevis muscle
- 14 Tendon of extensor hallucis longus muscle
- 15 Dorsalis pedis artery with deep plantar branch to the plantar arch
- 16 Terminal branches of deep fibular nerve
- 17 Lateral tarsal artery
- 18 Extensor digitorum brevis muscle (divided)
- 19 Arcuate artery
- 20 Dorsal interossei muscles
- 21 Deep fibular nerve

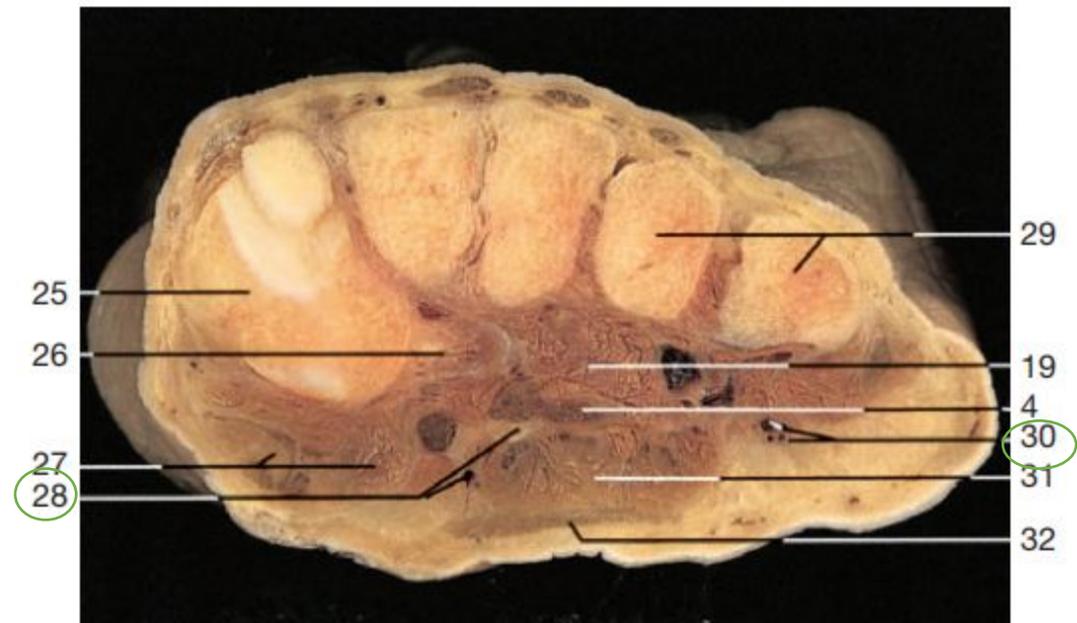
# Дугообразная артерия



- 1 Inferior extensor retinaculum
- 2 Lateral malleolus
- 3 Lateral anterior malleolar artery
- 4 Tendons of peroneal muscles
- 5 Tendon of peroneus tertius muscle
- 6 Extensor digitorum brevis muscle
- 7 Tendons of extensor digitorum longus muscle
- 8 Dorsal metatarsal arteries
- 9 Medial malleolus
- 10 Tendon of tibialis anterior muscle
- 11 Dorsalis pedis artery
- 12 Deep fibular nerve (on dorsum of foot)
- 13 Extensor hallucis brevis muscle
- 14 Tendon of extensor hallucis longus muscle
- 15 Dorsalis pedis artery with deep plantar branch to the plantar arch
- 16 Terminal branches of deep fibular nerve
- 17 Lateral tarsal artery
- 18 Extensor digitorum brevis muscle (divided)
- 19 Arcuate artery
- 20 Dorsal interossei muscles
- 21 Deep fibular nerve



- 1 Proper plantar digital arteries
- 2 Proper plantar digital nerves
- 3 Tendons of flexor digitorum brevis muscle
- 4 Tendons of flexor digitorum longus muscle
- 5 Superficial branch of lateral plantar artery
- 6 Deep branch of lateral plantar nerve
- 7 Superficial branch of lateral plantar nerve
- 8 Lateral plantar nerve
- 9 Lateral plantar artery
- 10 Abductor digiti minimi muscle
- 11 Calcaneal tuberosity
- 12 Common plantar digital arteries
- 13 Tendon of flexor hallucis longus muscle
- 14 Insertion of both heads of adductor hallucis muscle
- 15 Plantar metatarsal arteries
- 16 Medial proper plantar digital nerve
- 17 Deep plantar branch of dorsal metatarsal artery (perforating branch)
- 18 Plantar arch
- 19 Oblique head of adductor hallucis muscle (cut)
- 20 Medial plantar artery
- 21 Medial plantar nerve
- 22 Crossing of tendons in the sole of foot (flexor hallucis longus and flexor digitorum longus muscles)
- 23 Abductor hallucis muscle
- 24 Origin of flexor hallucis brevis muscle
- 25 Medial cuneiform and first metatarsal bones
- 26 Tendon of peroneus longus muscle
- 27 Abductor hallucis and flexor hallucis brevis muscles
- 28 Medial plantar artery, vein, and nerve
- 29 Fourth and fifth metatarsal bones
- 30 Lateral plantar artery, vein, and nerve
- 31 Flexor digitorum brevis muscle
- 32 Plantar aponeurosis



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