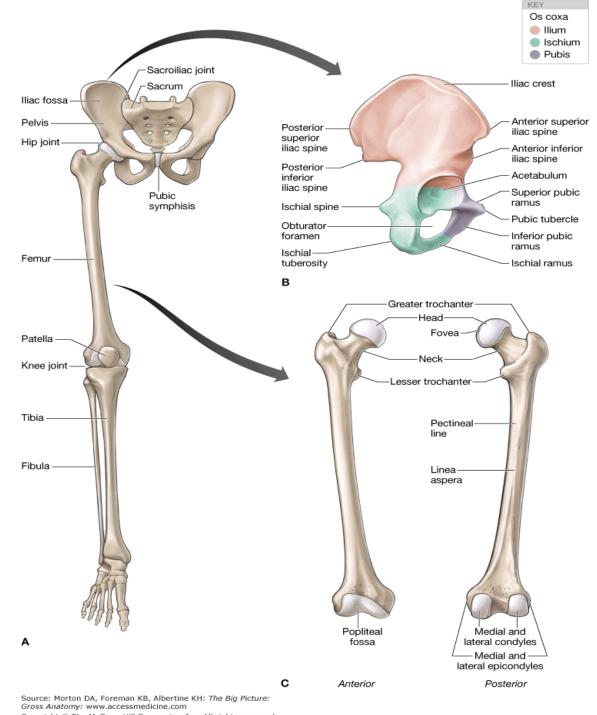
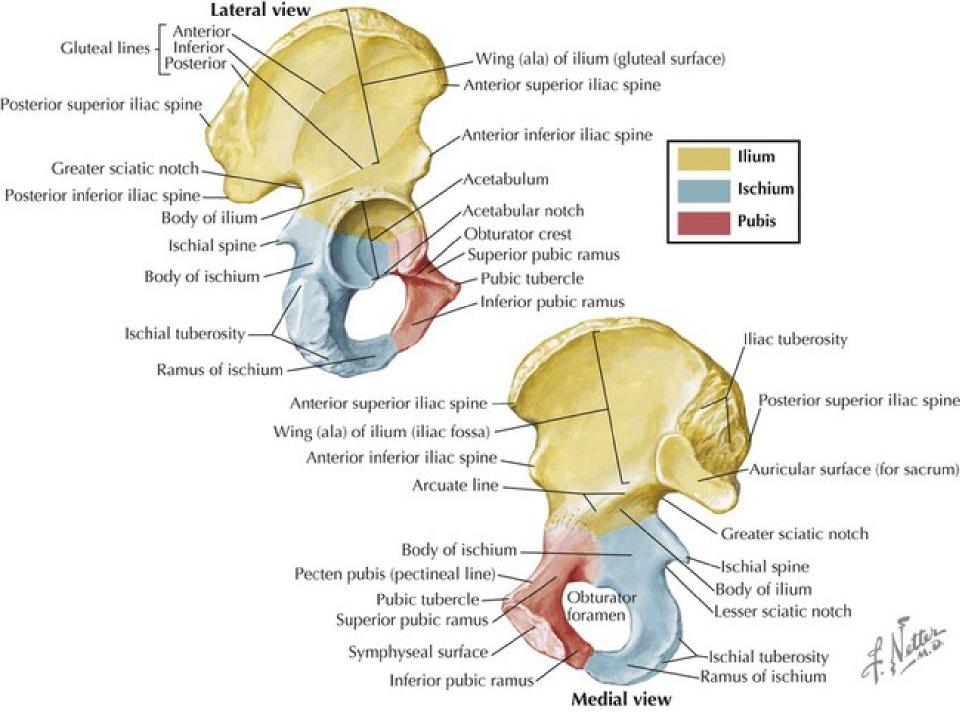
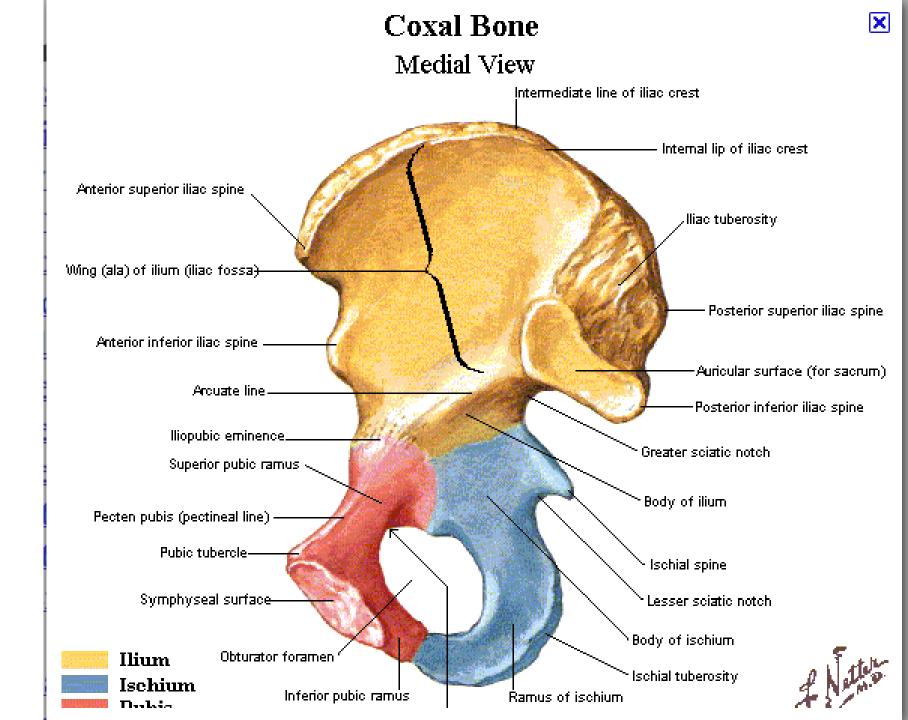
Lower limb

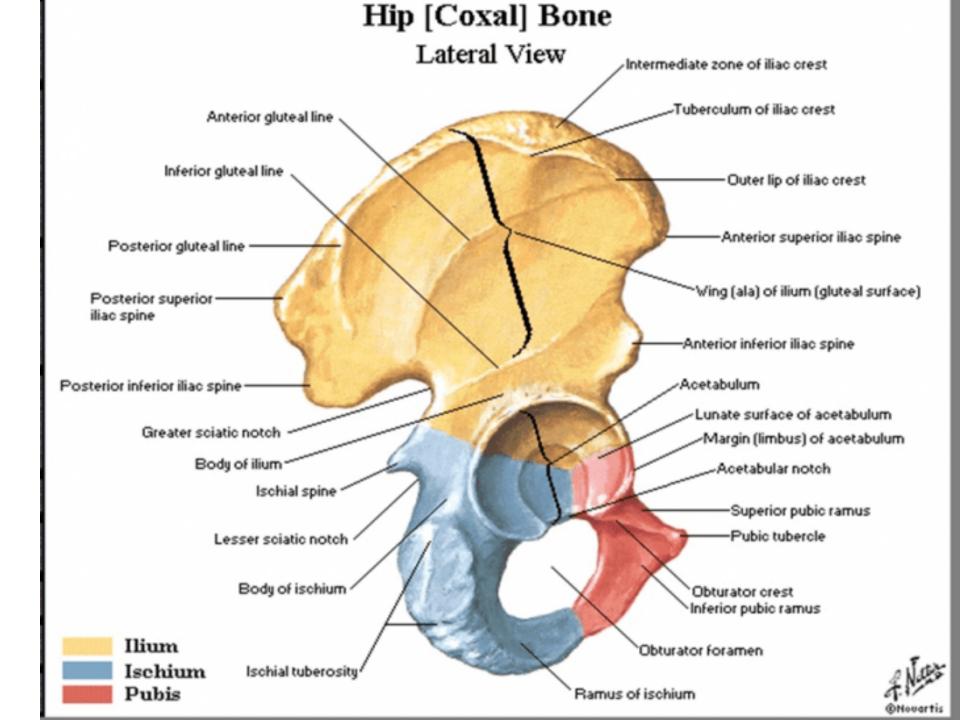
By Dr Qaisar Afridi

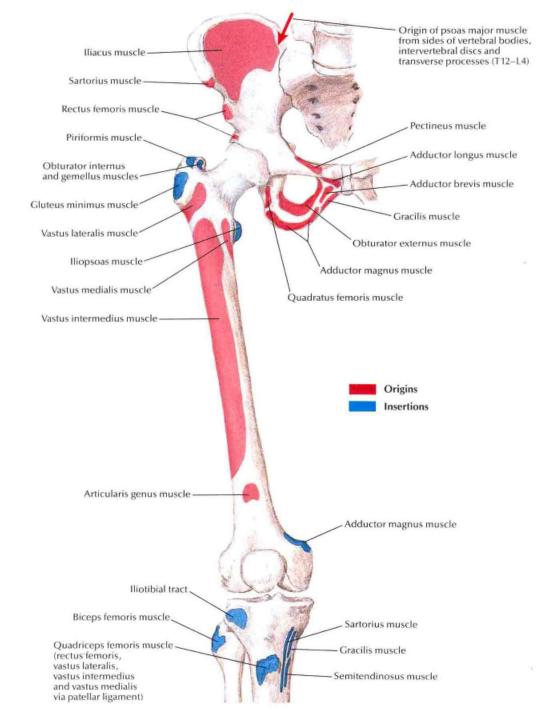


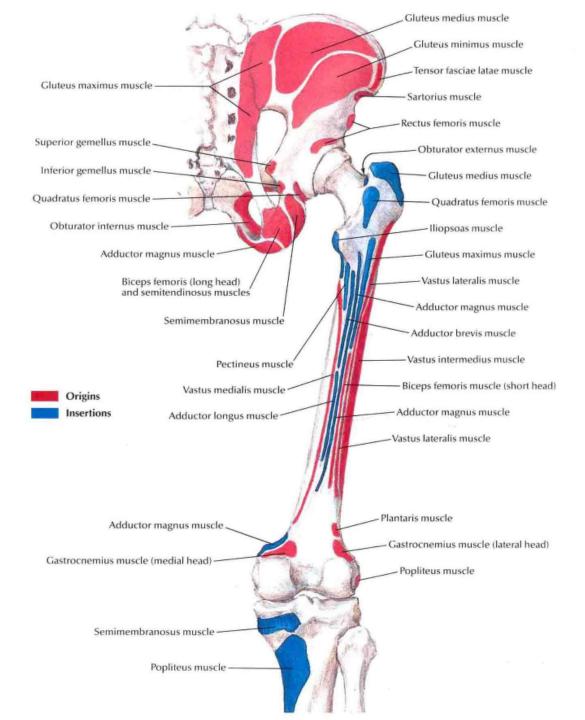
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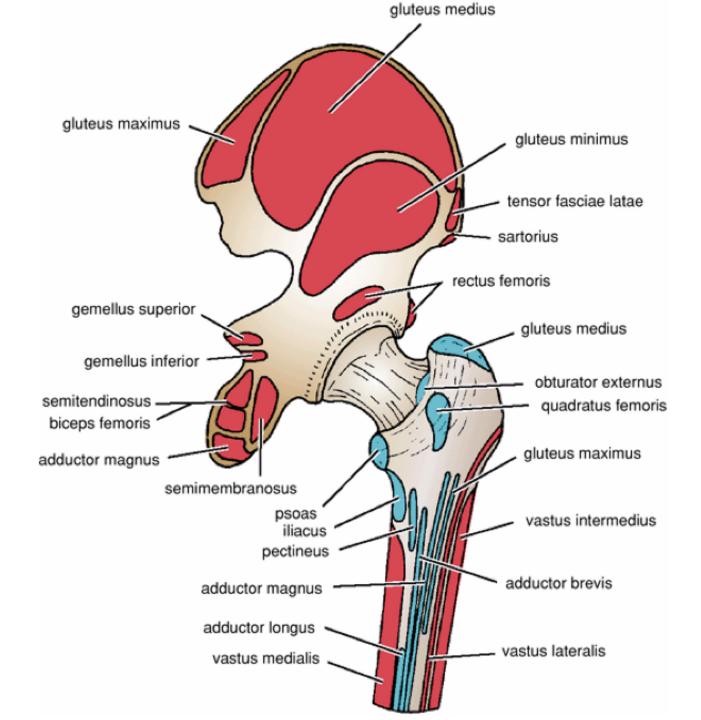


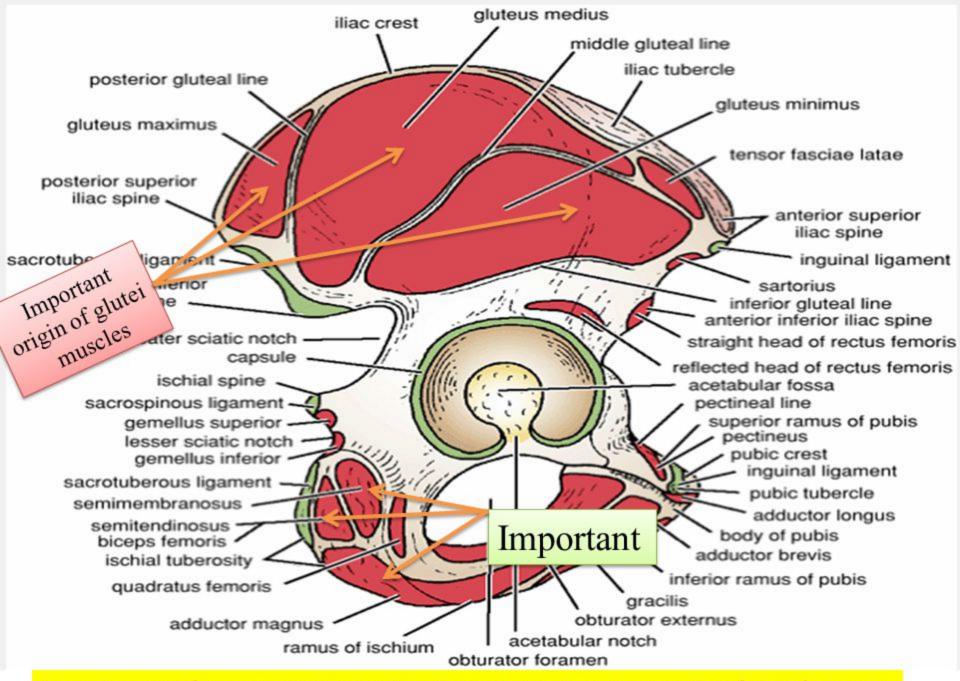




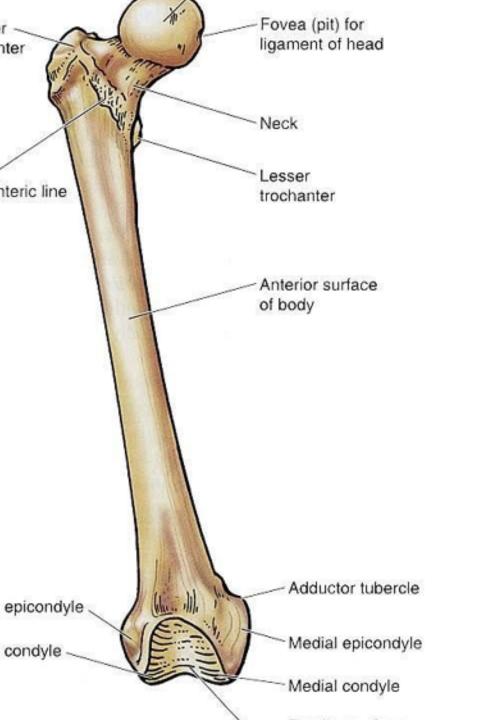


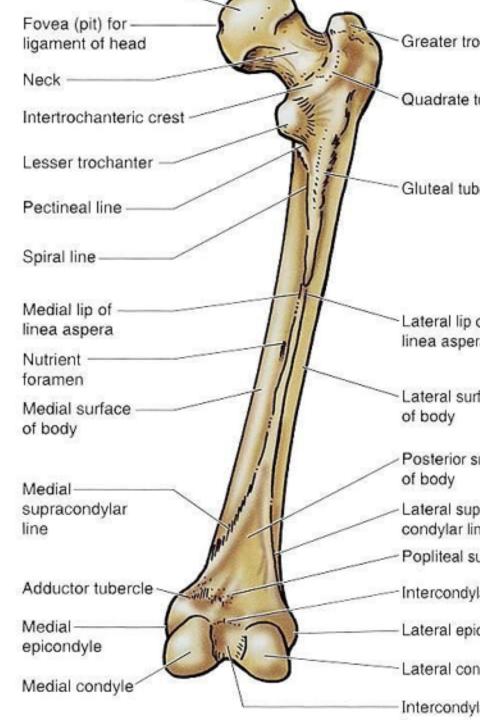


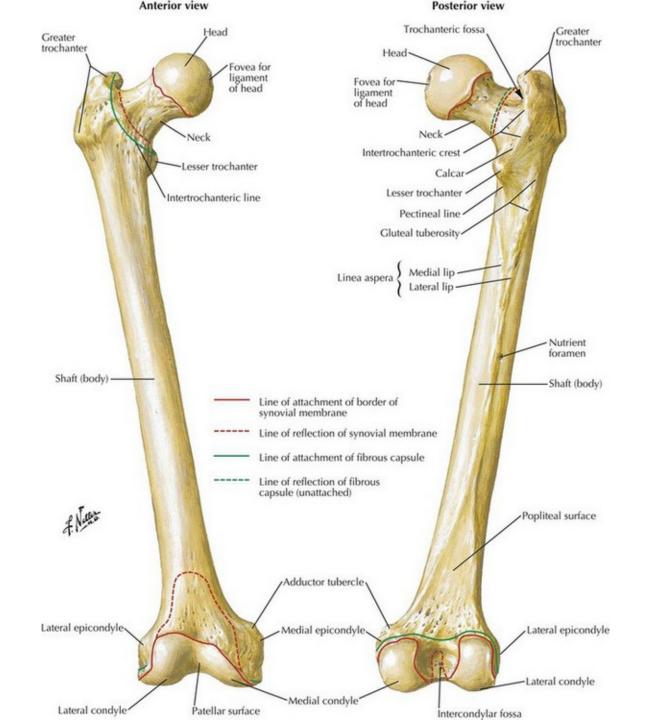


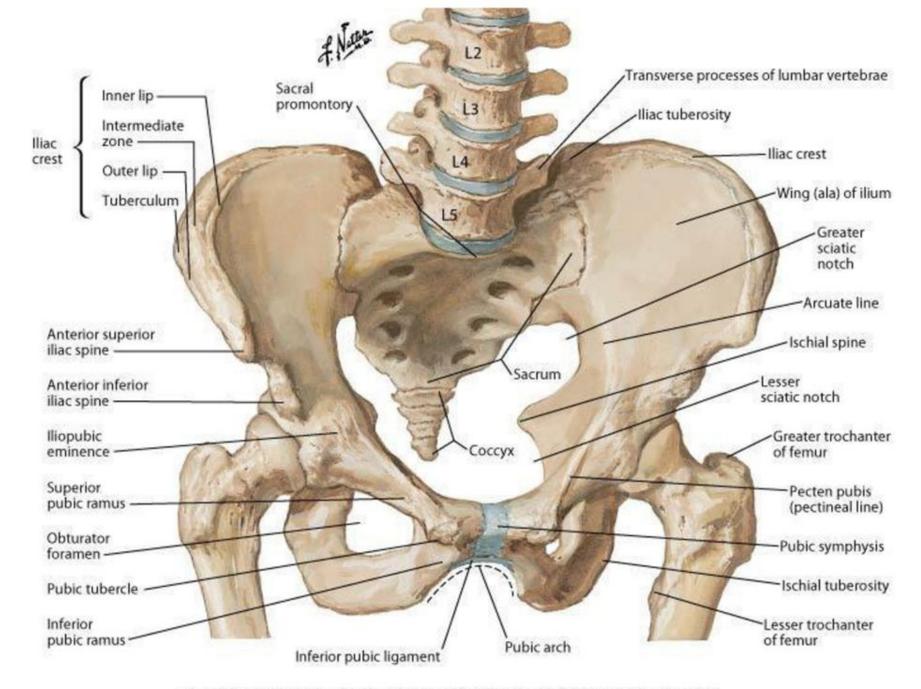


Muscles and ligaments attached to the external surface of the right hip bone

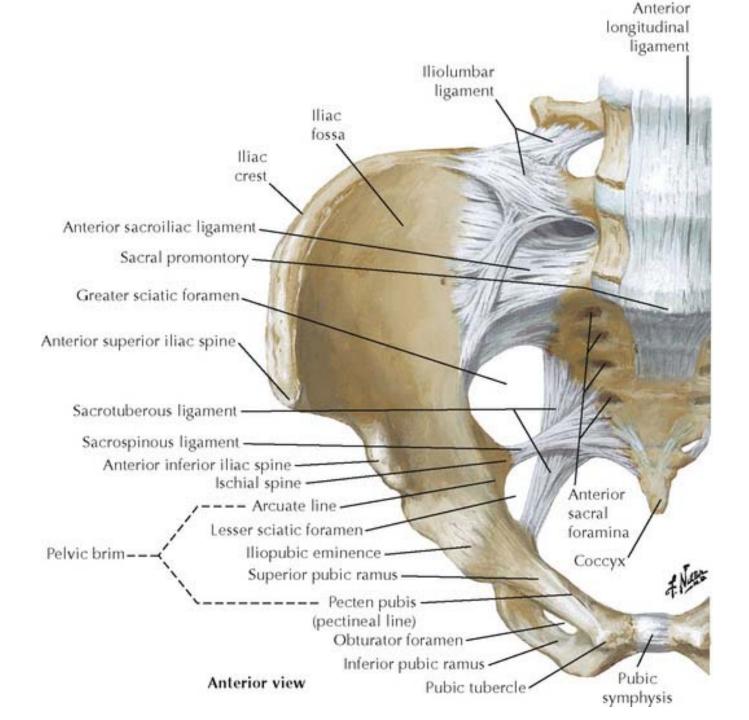


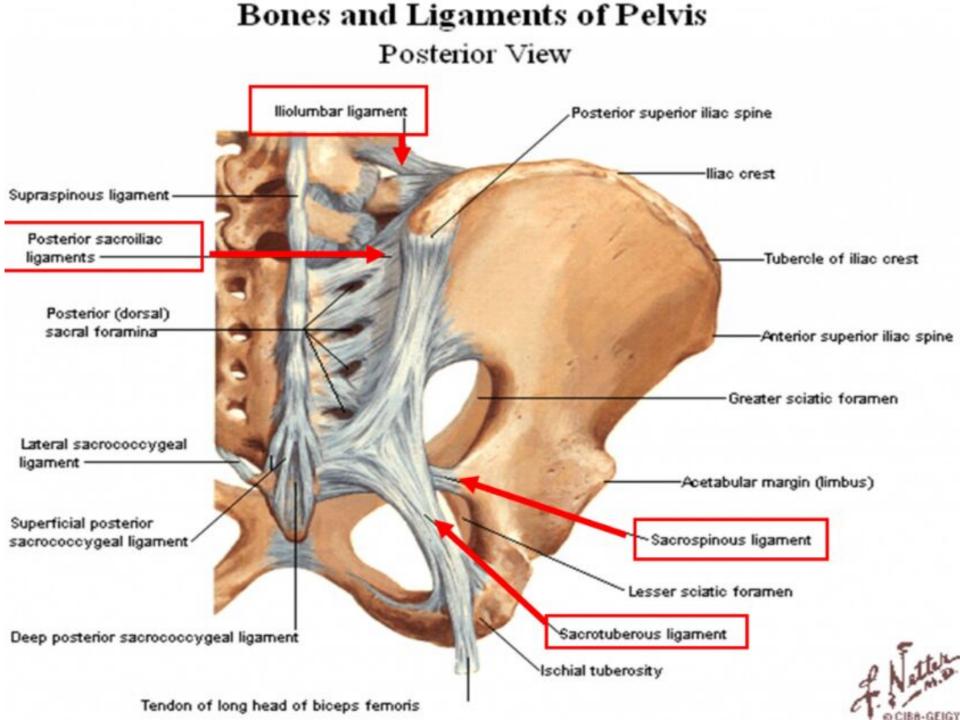




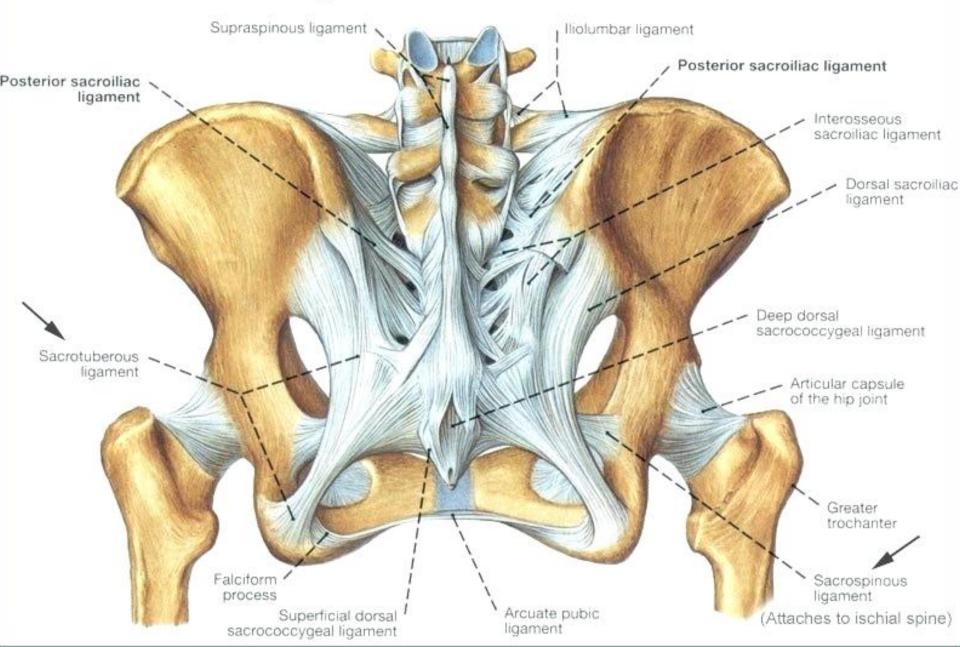


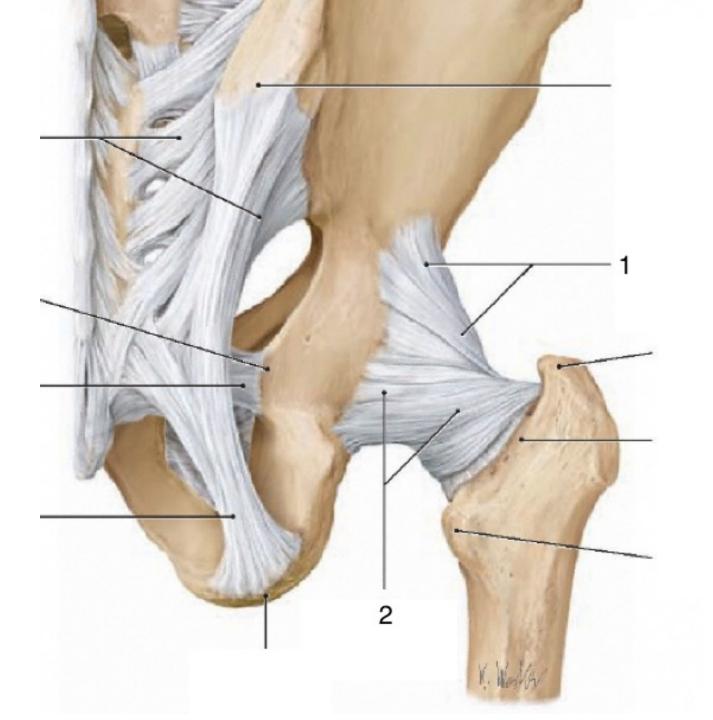
Copyright @ 2011 Elsevier Inc. www.netterimages.com Netter's Atlas of Human Anatomy. 5e

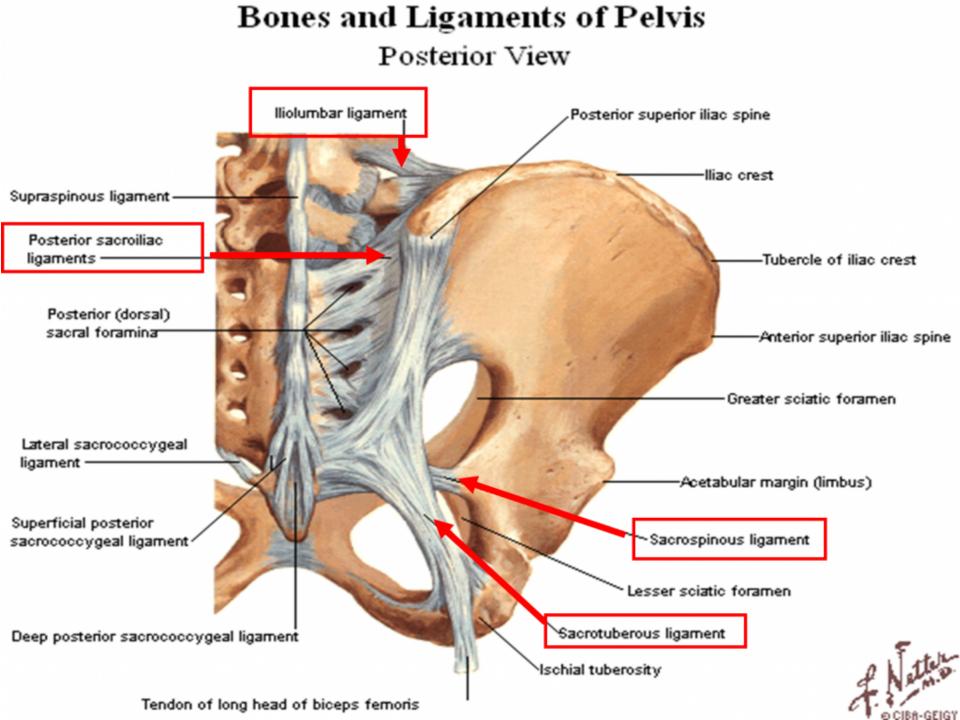


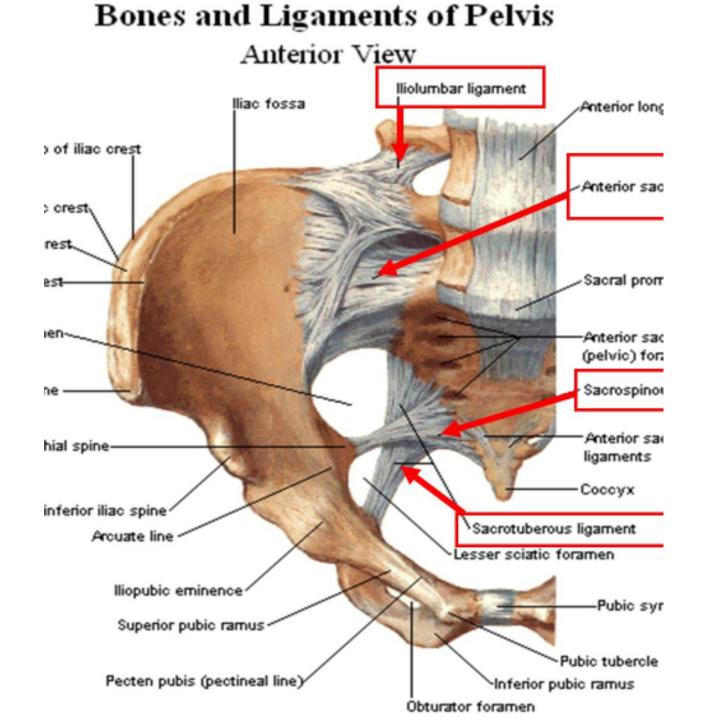


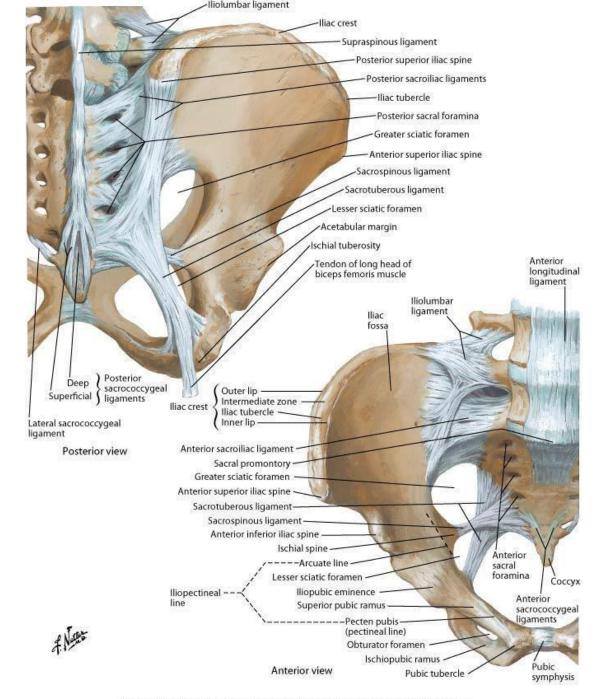
Pelvis and Ligaments, Rear View, Female



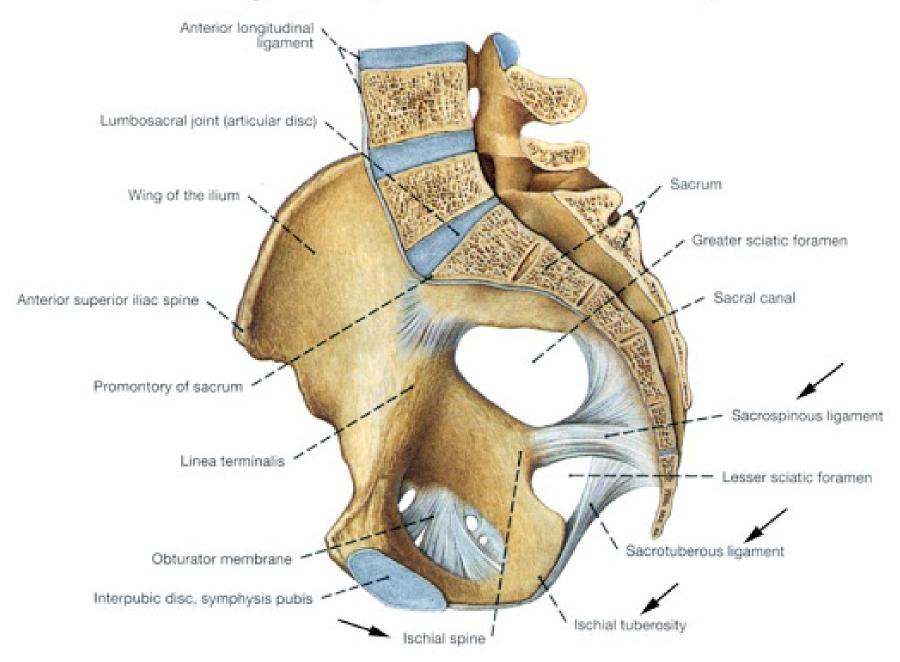


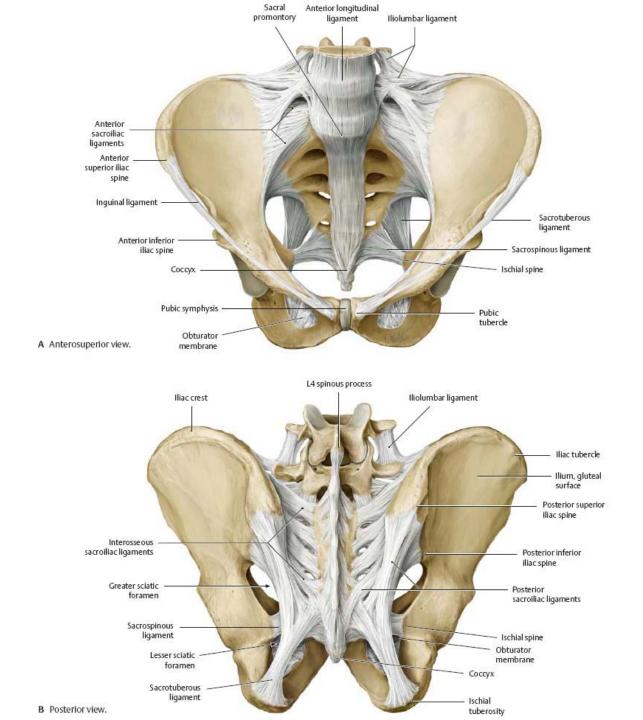


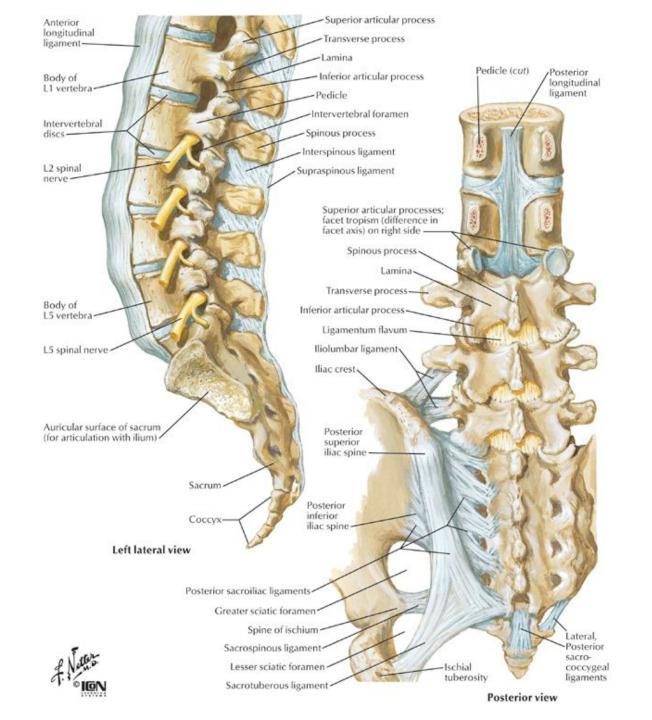


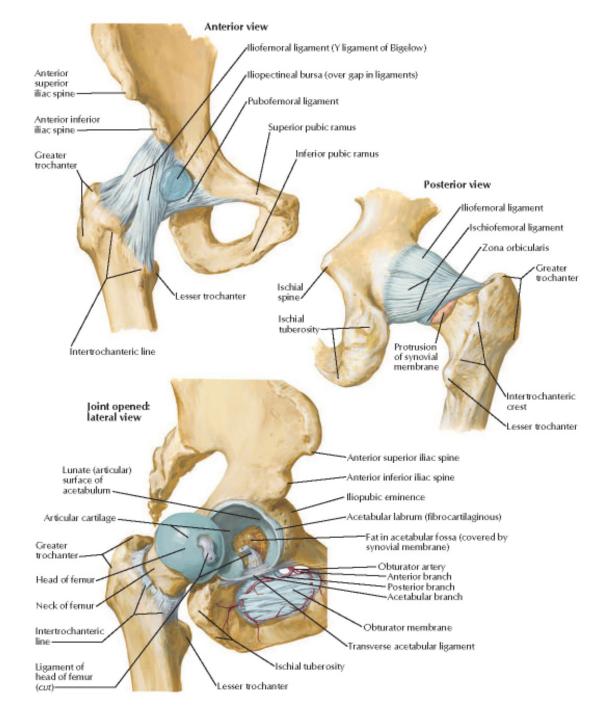


Pelvis and Ligaments, Vertical Cross Section, Female

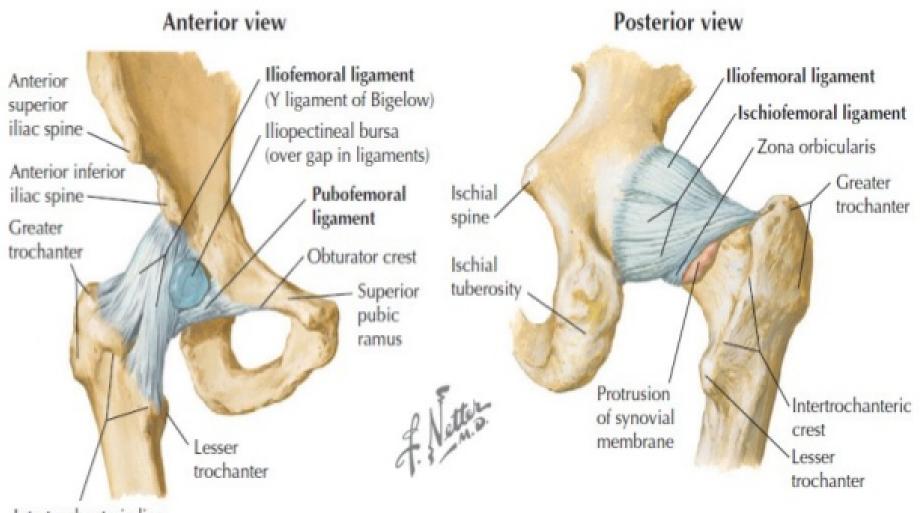




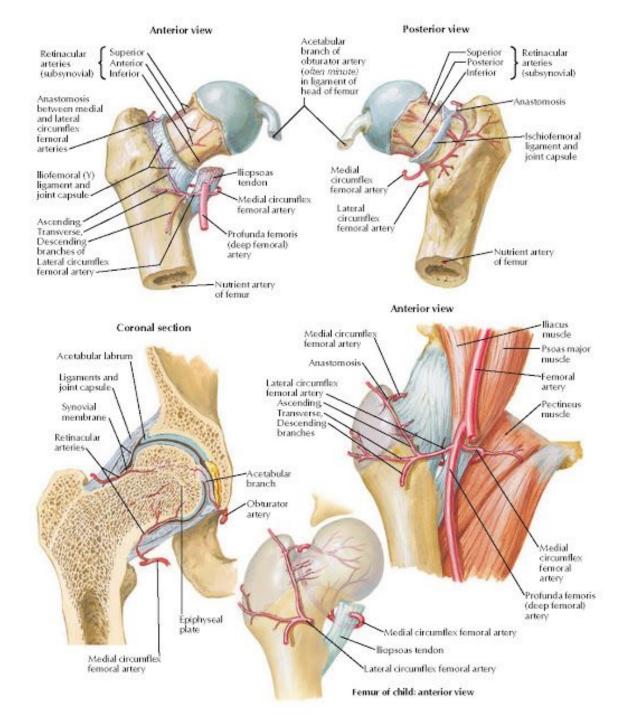




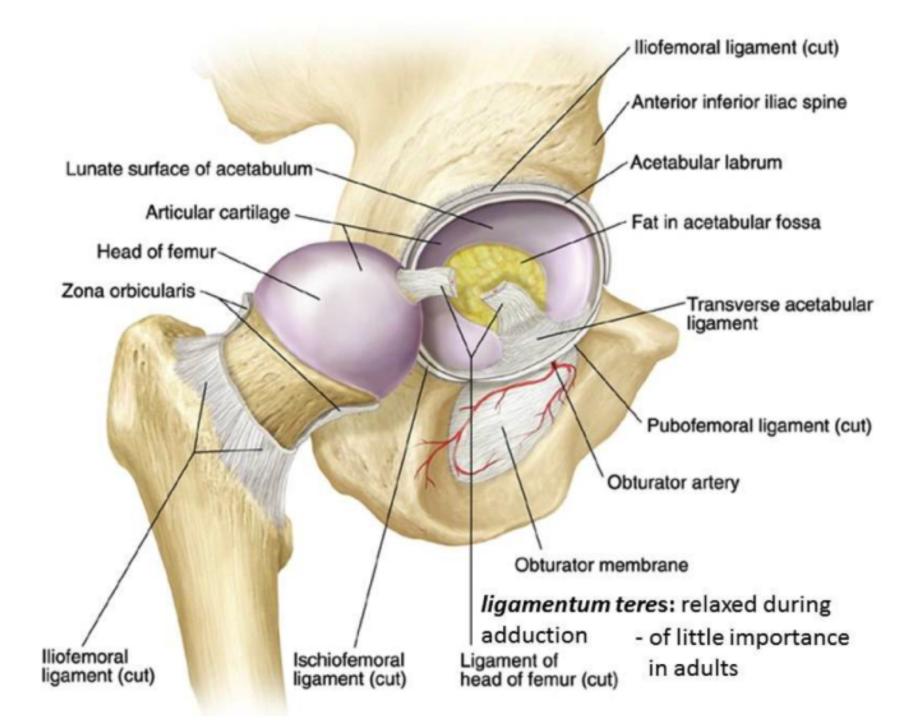
Hip joint ligaments

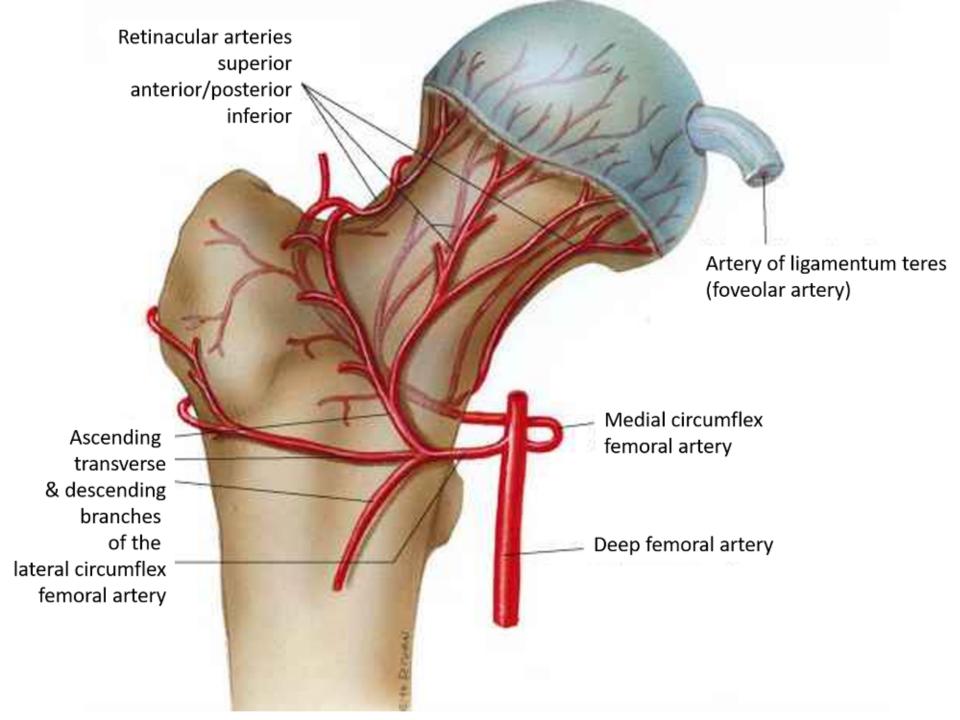


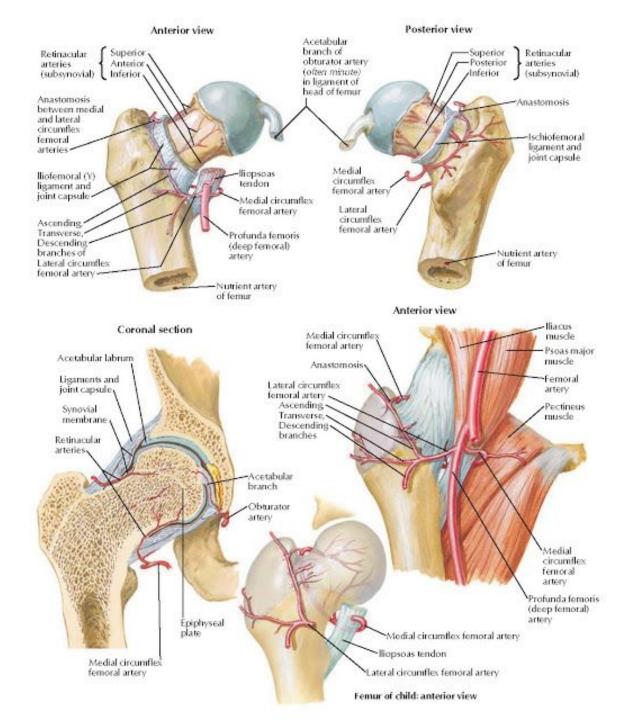
Intertrochanteric line

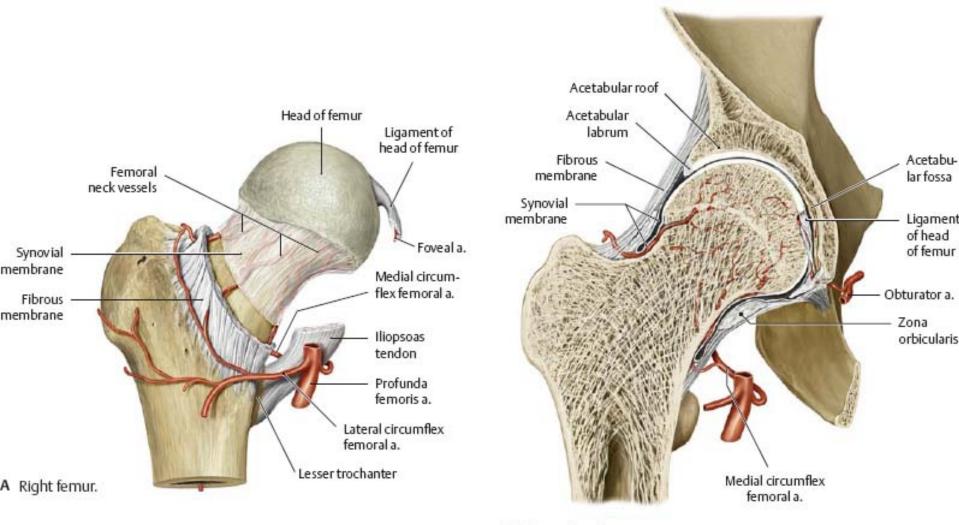


Hip Joint Copyright @The McGraw-Hill Companies, Inc. Permission regulaed for reproduction or display. llium llium Figure from: Hole's Human A&P, 12th edition, 2010 Pubofemoral Acetabulum ligament Labrum lliofemoral ligament Ischialtuberosity **Iliofemoral** Obturator membrane **Pubis** ligament From: Saladin, Anatomy & Physiology, McGraw Hill, 2007 Ischium Greater Lesser trochanter trochanter Ischiofemoral ligament maropice Foemur (b) (a)



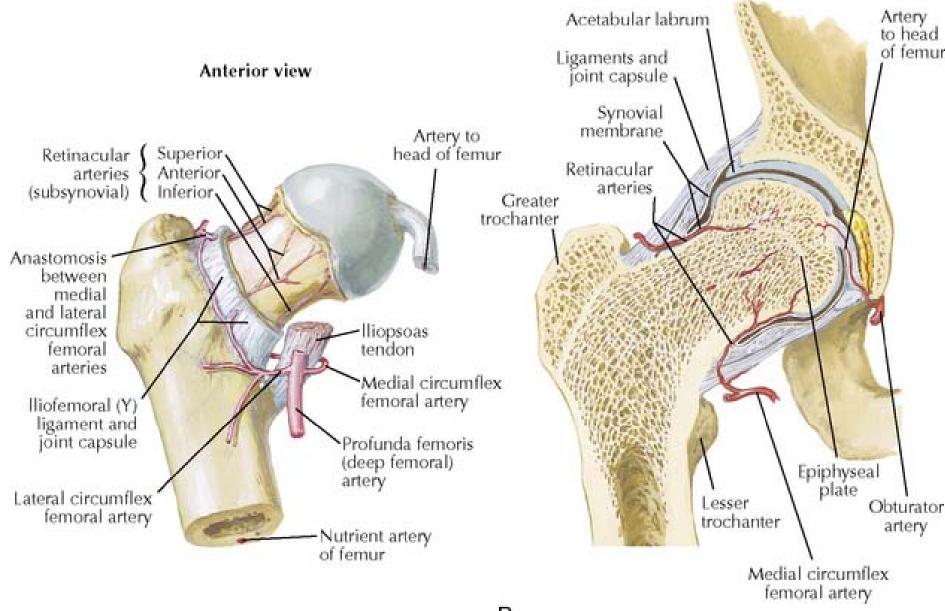


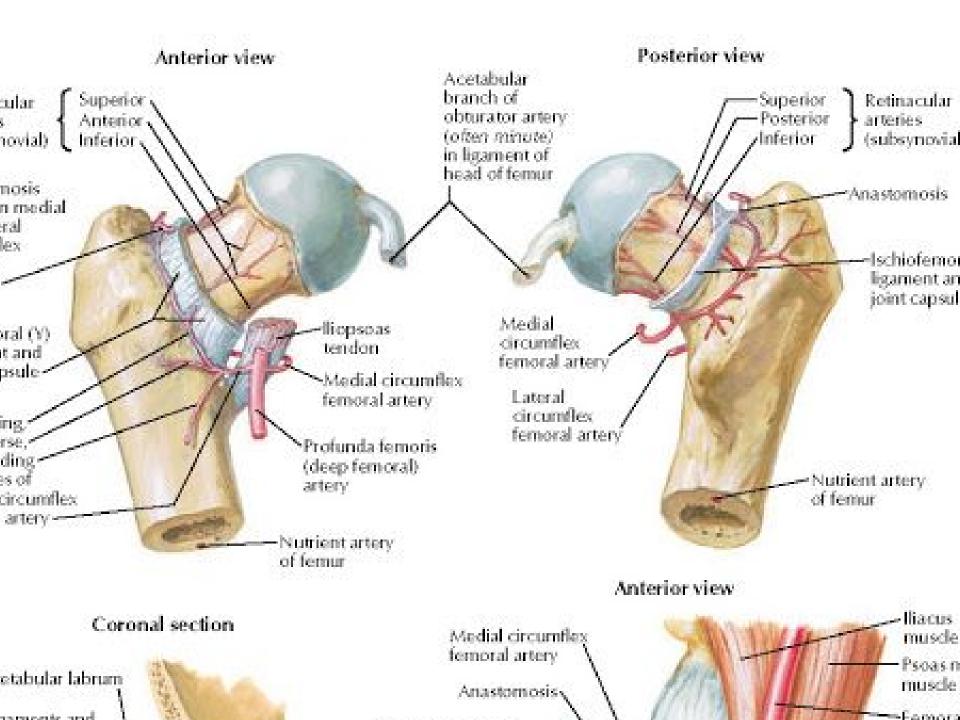


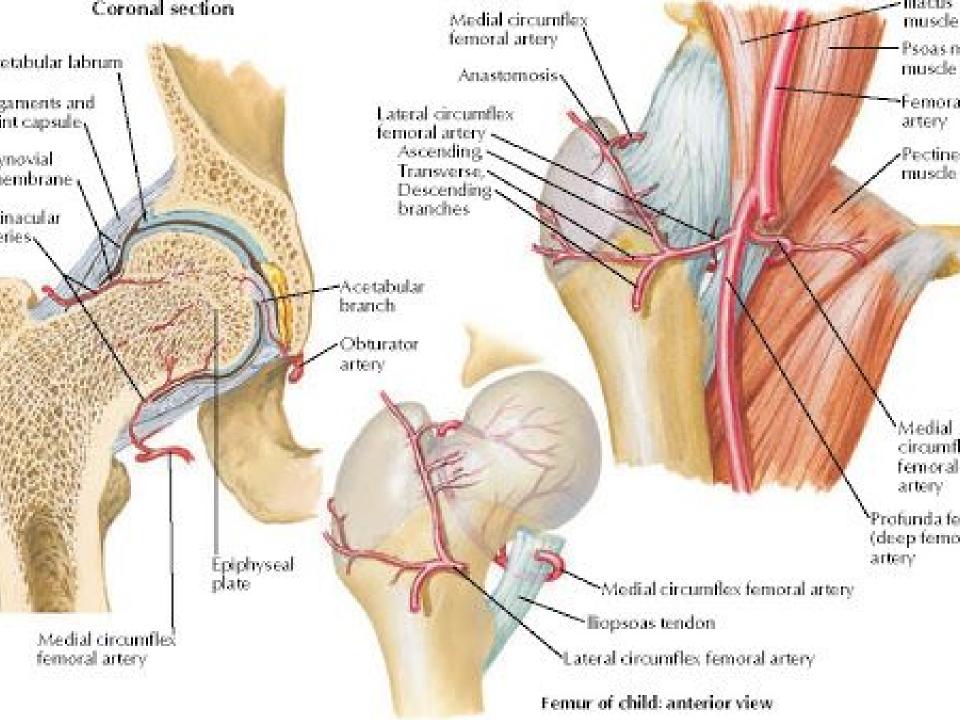


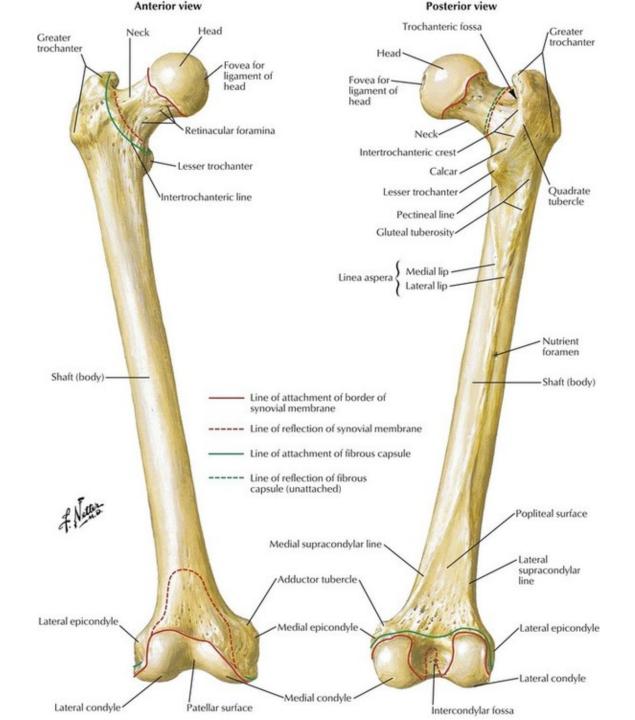
B Coronal section.

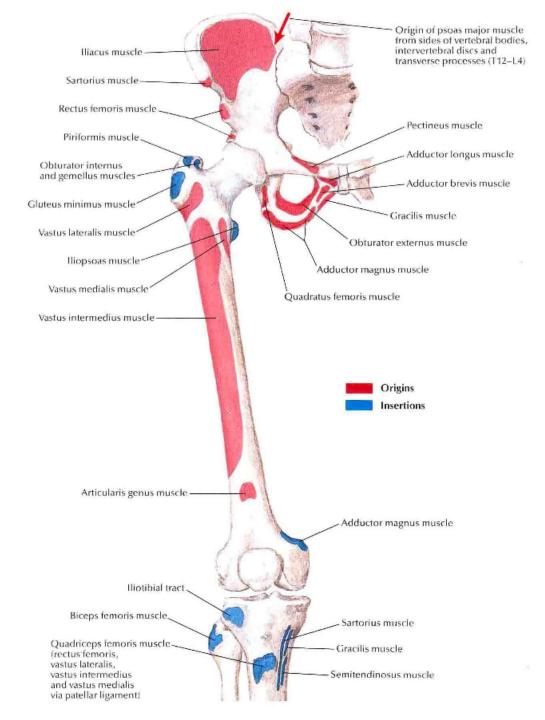
Coronal section

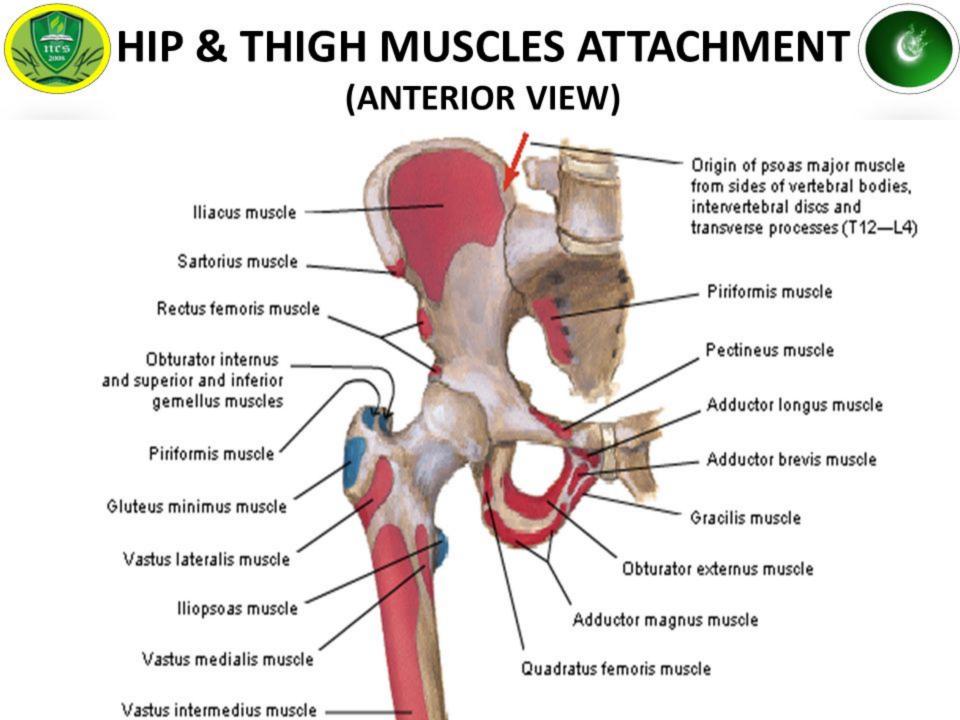


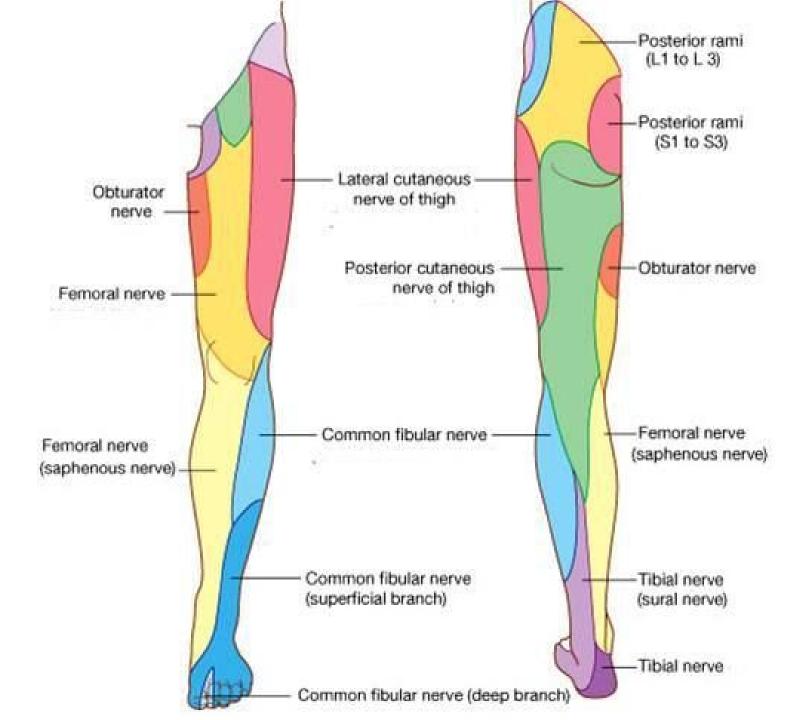


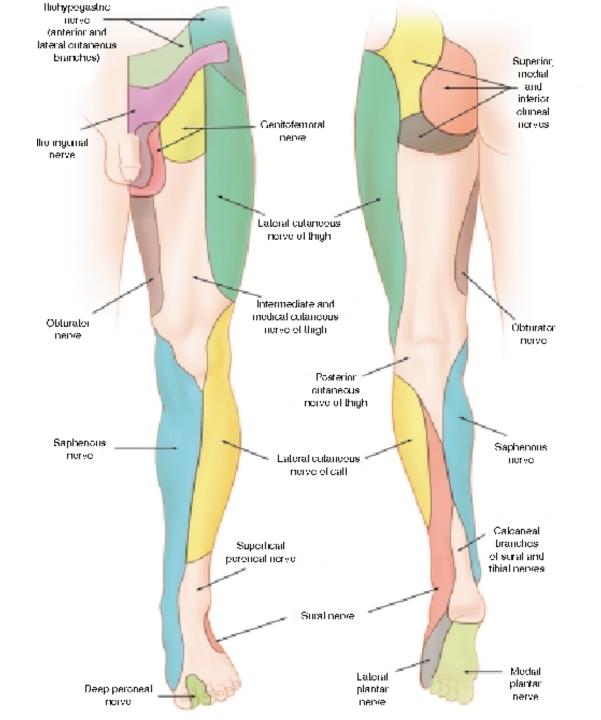


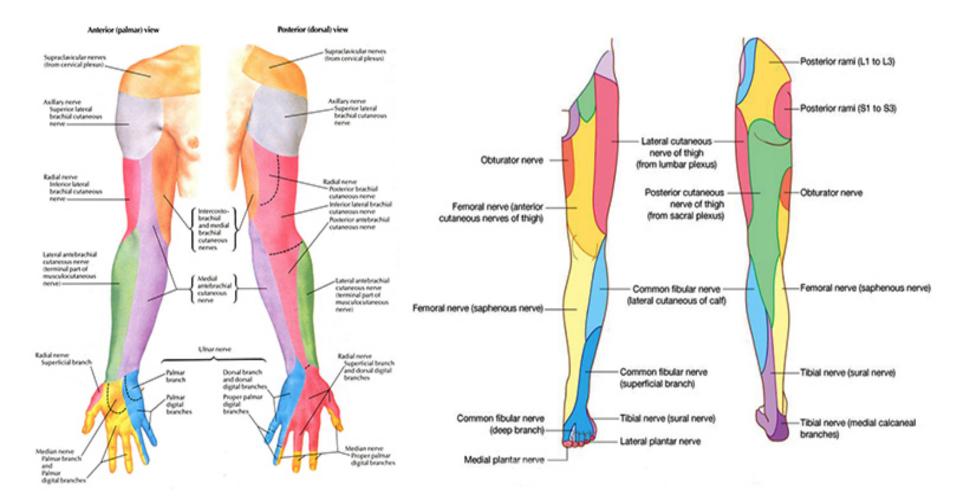


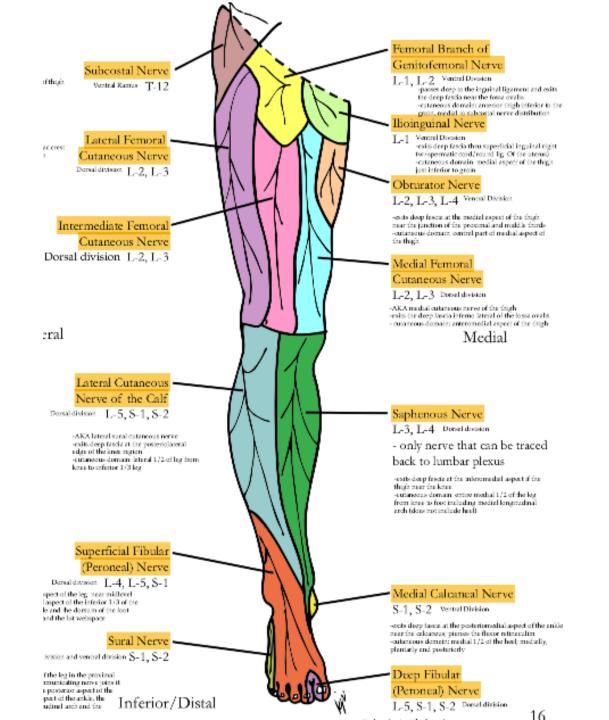


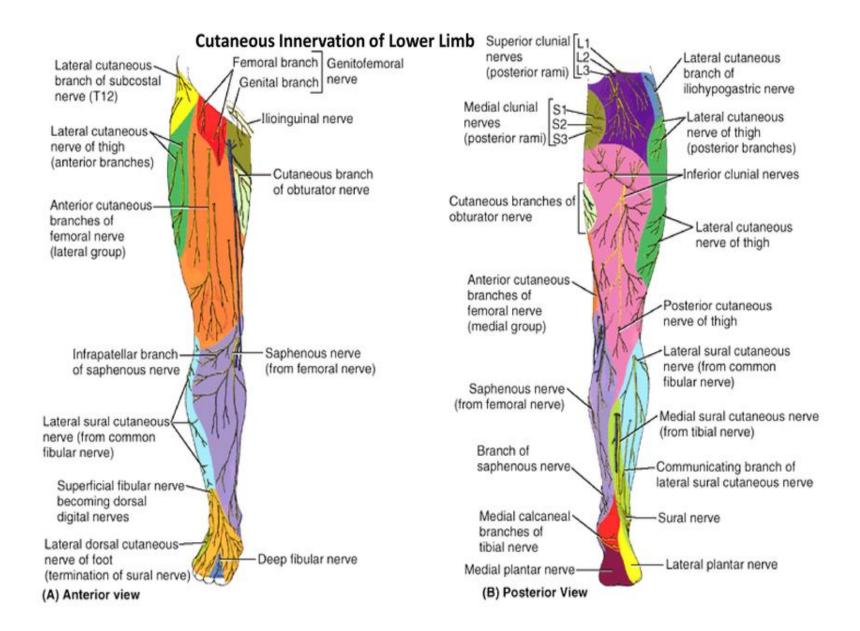




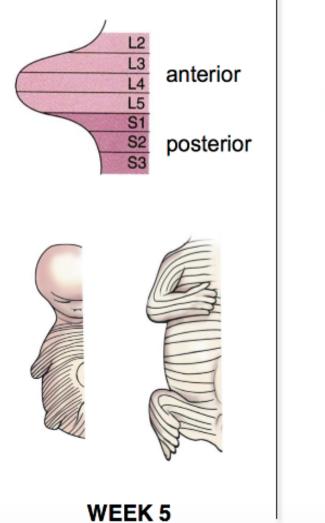


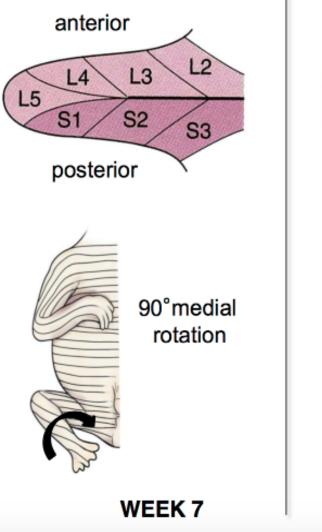




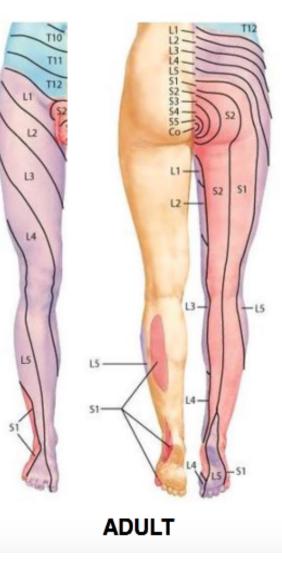


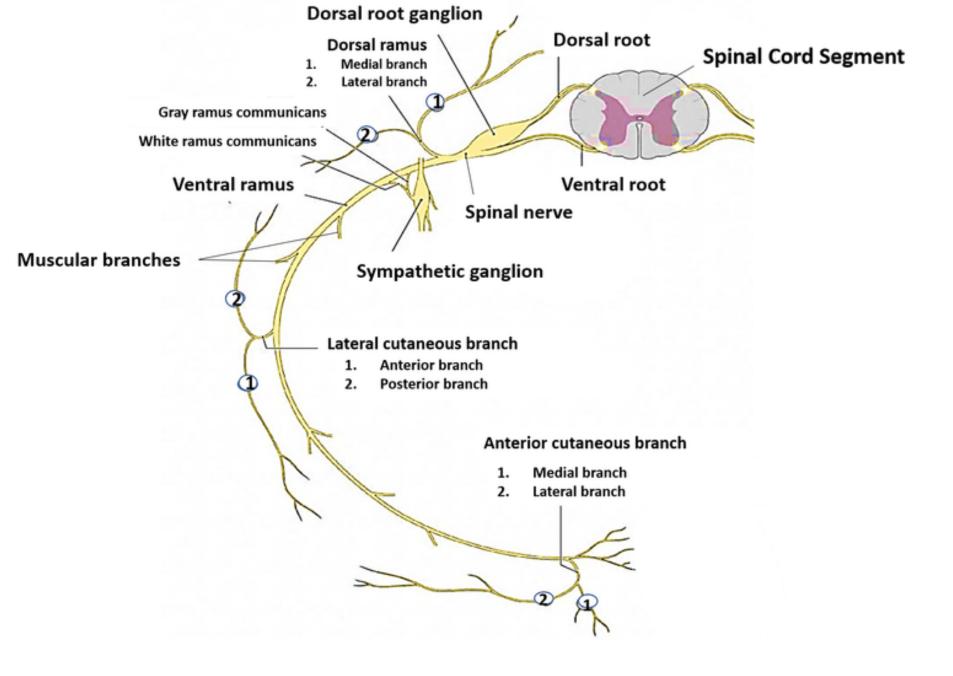
LIMB DEVELOPMENT & DERMATOMES

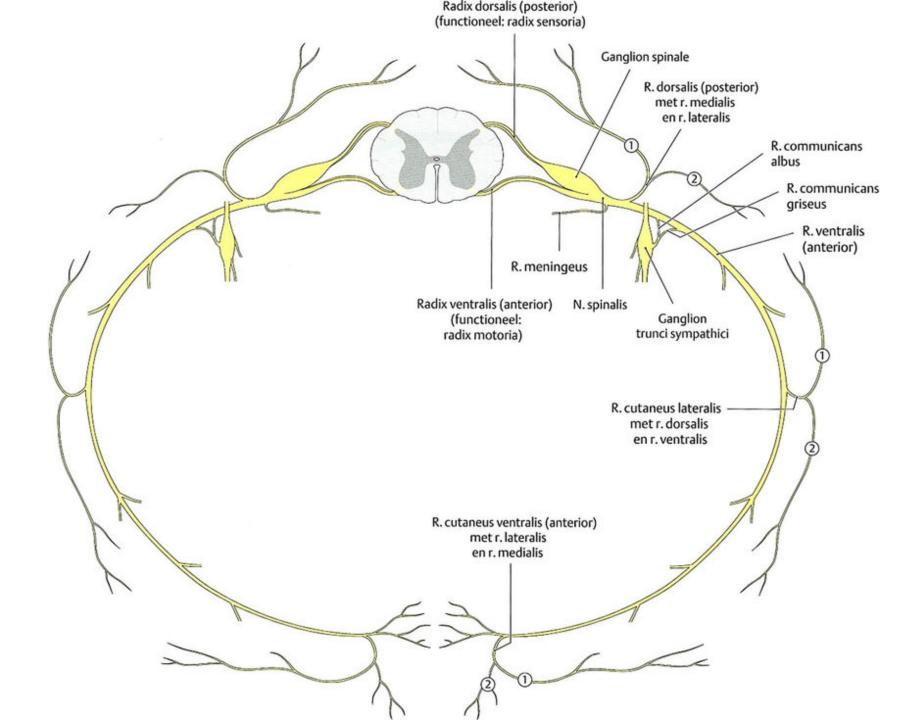


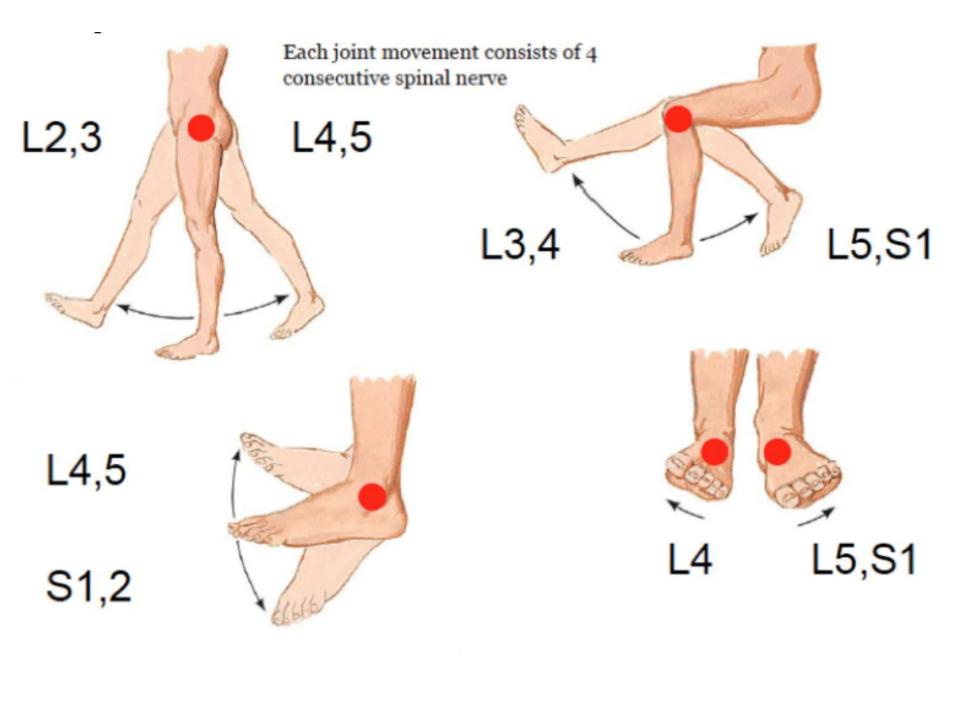


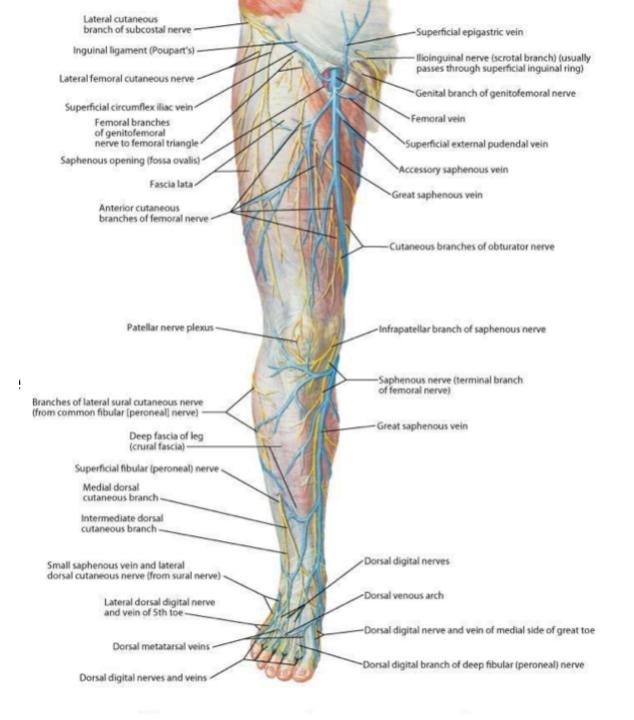
Dermatome: 1 spinal nerve innervates 1 strip of skin





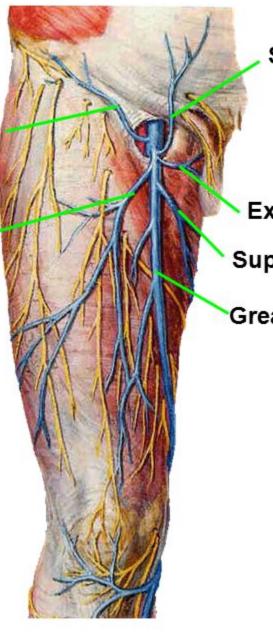






Superficial circumflex iliac v.

Superficial lateral femoral v.



Superficial epigastric v.

External pudendal v.

Superficial medial femoral v.

Great saphenous v.

Dissetion

Superficial circumflex iliac v.

Lateral cutaneous n. of thigh-

Anterior cutaneous n. of thigh

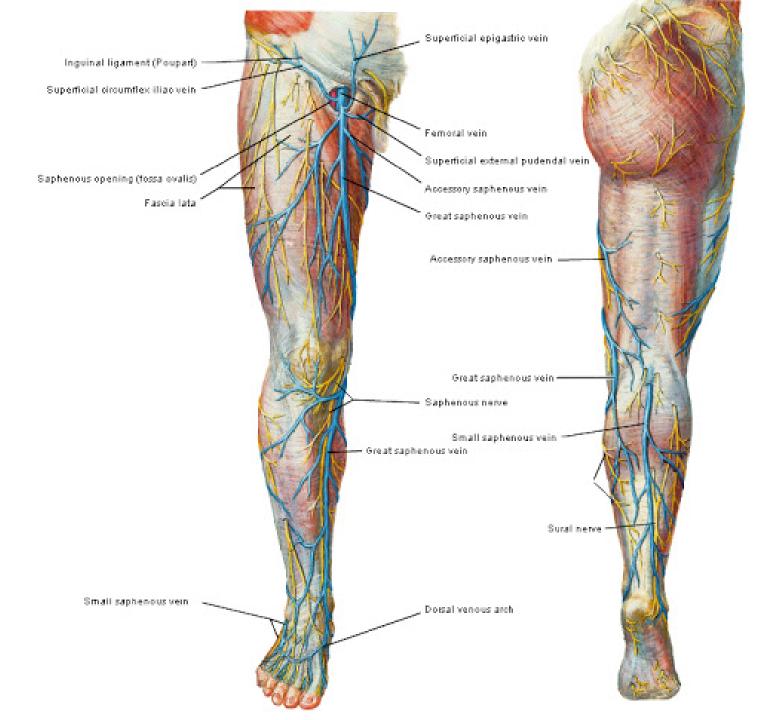
Superficial lateral femoral v.

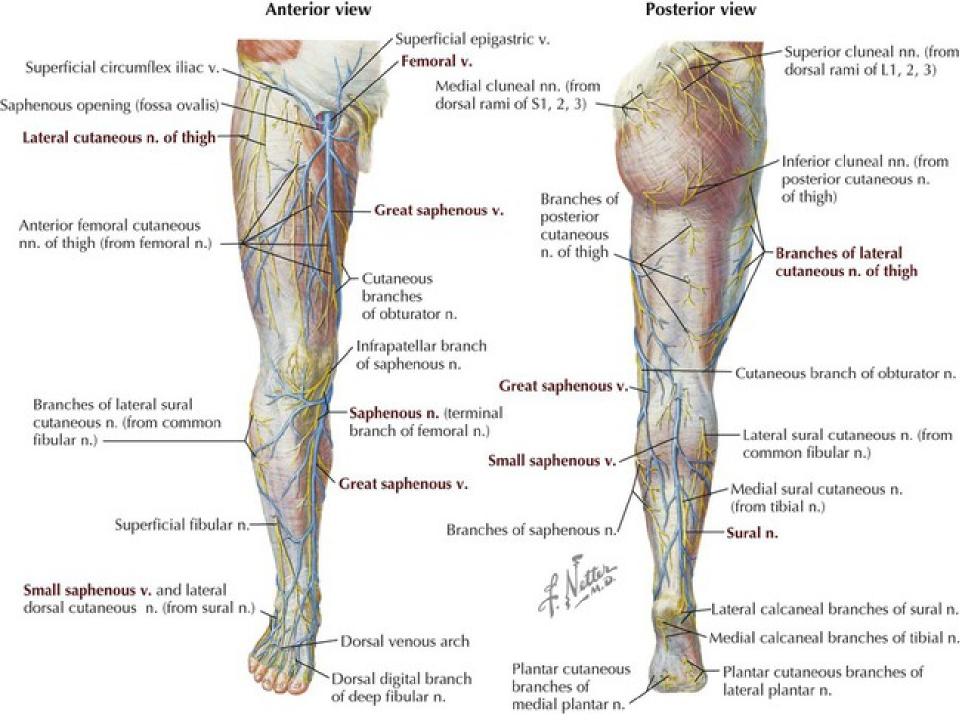


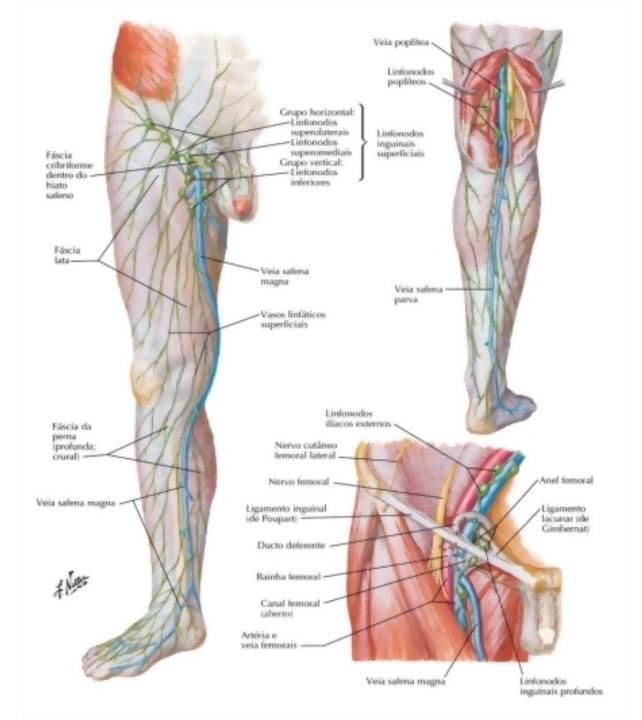
External pudendal v.

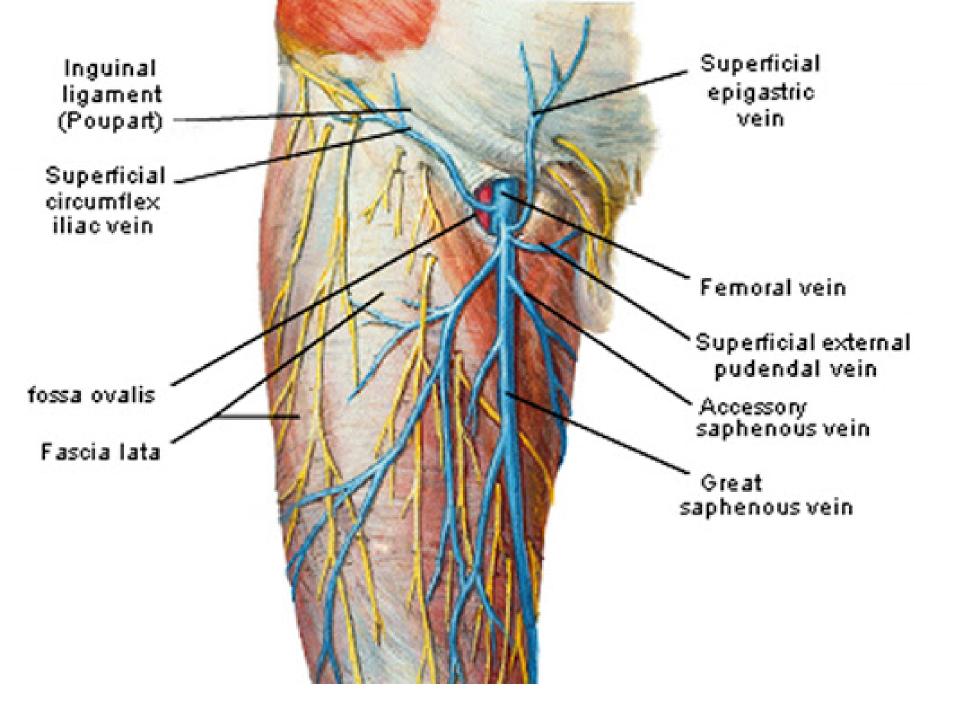
Superficial medial femoral v.

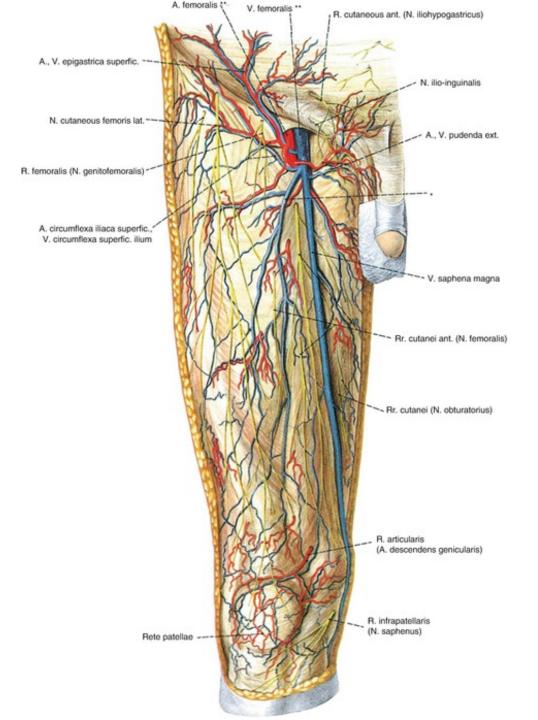
Great saphenous v.

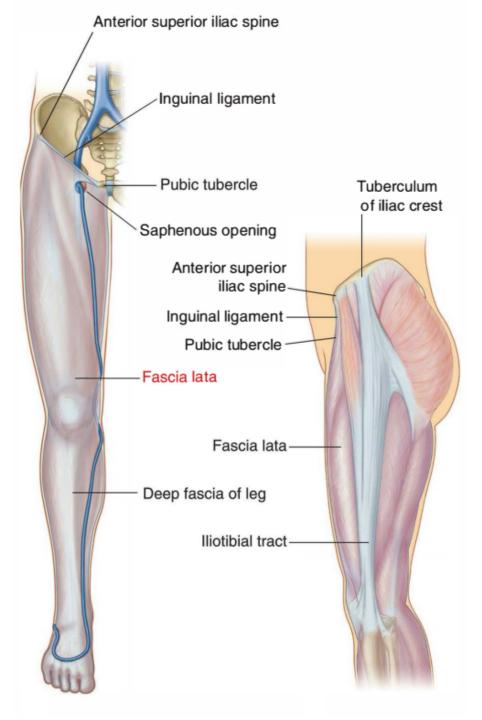


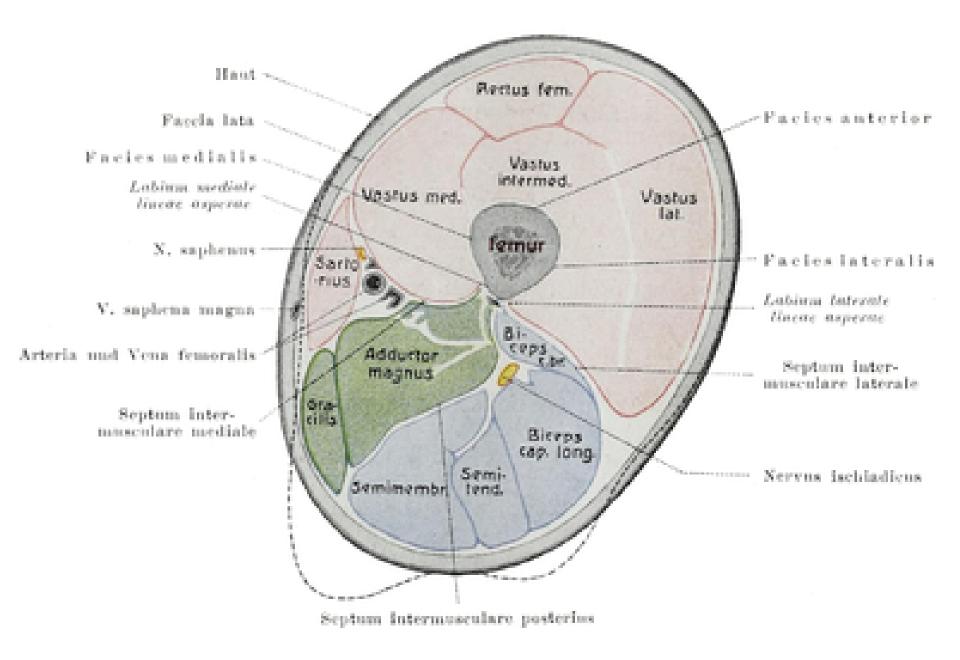


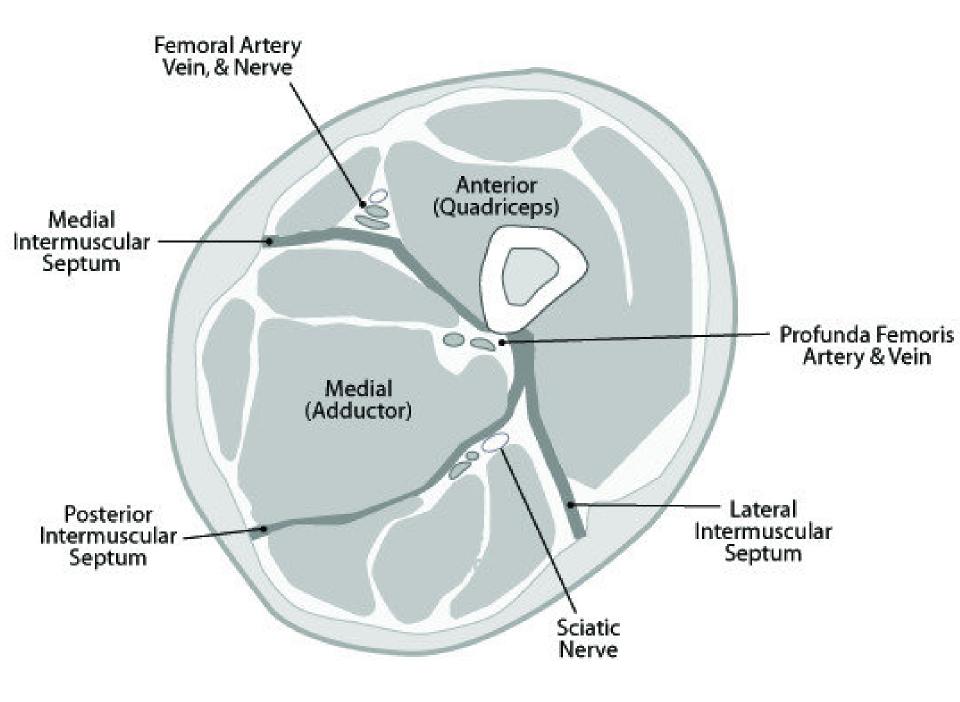


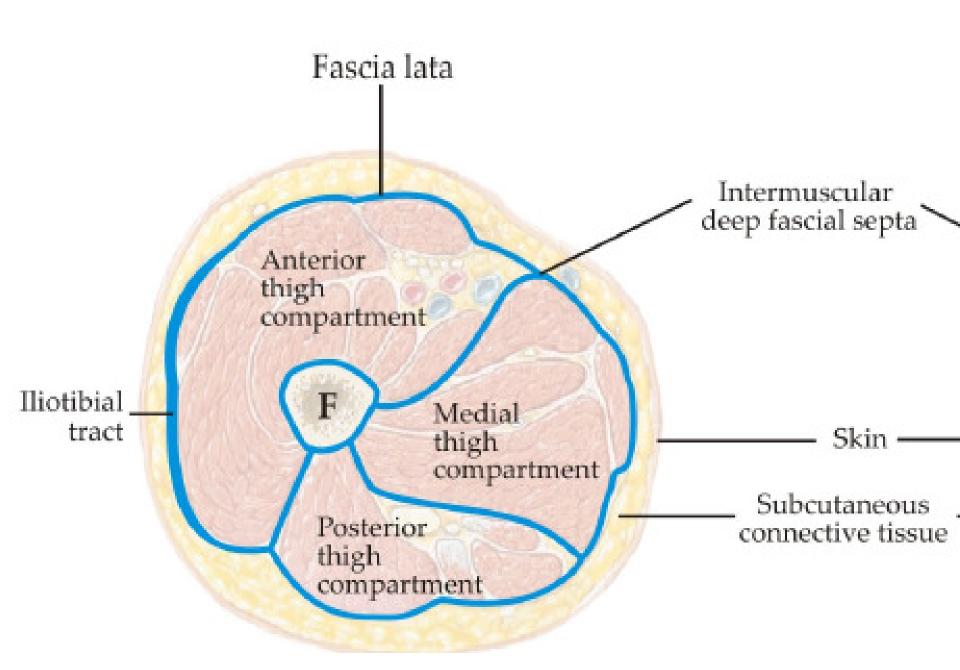


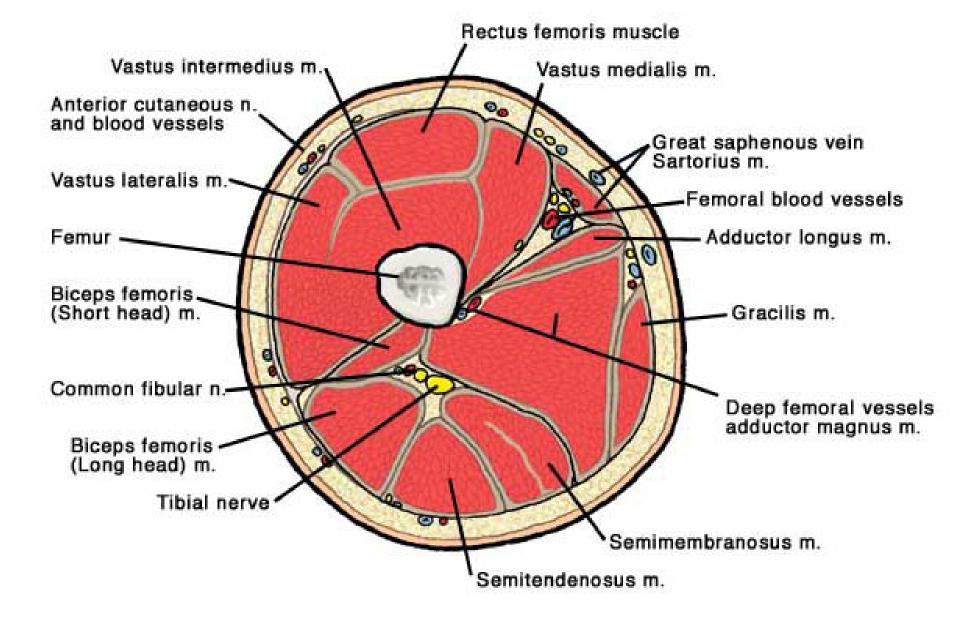


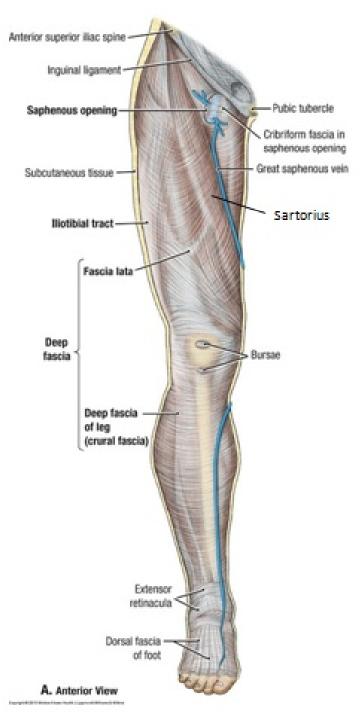


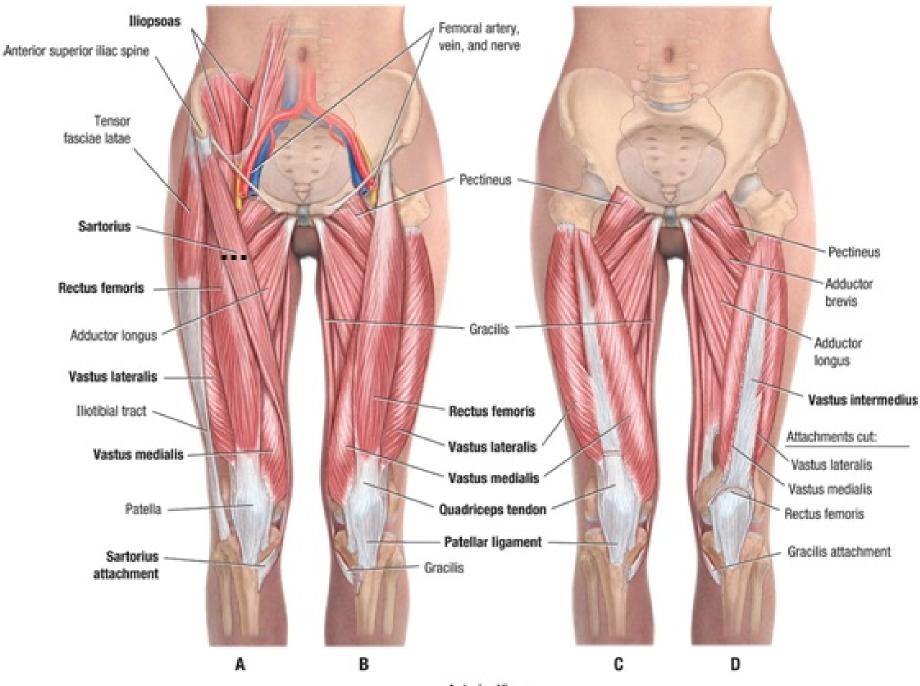






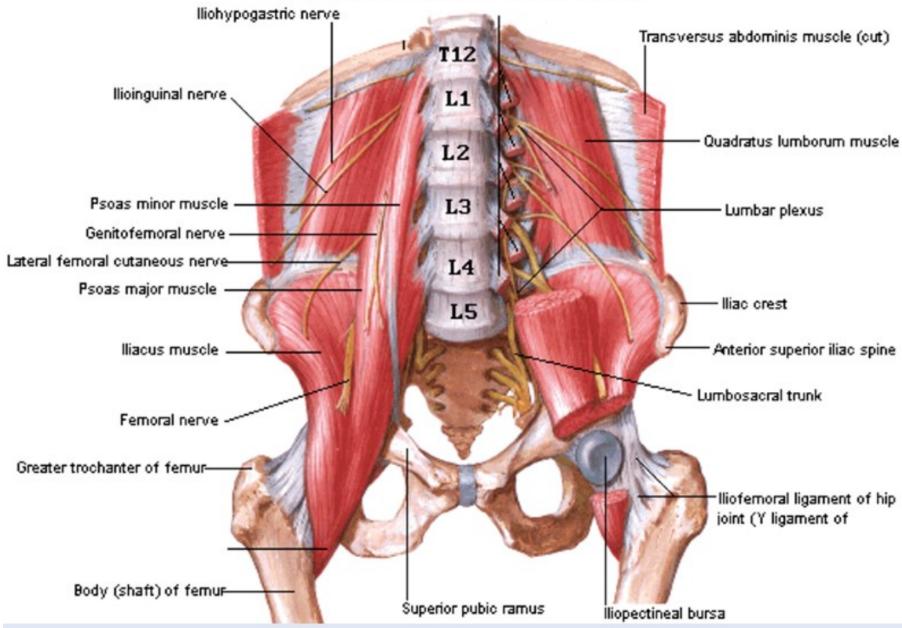


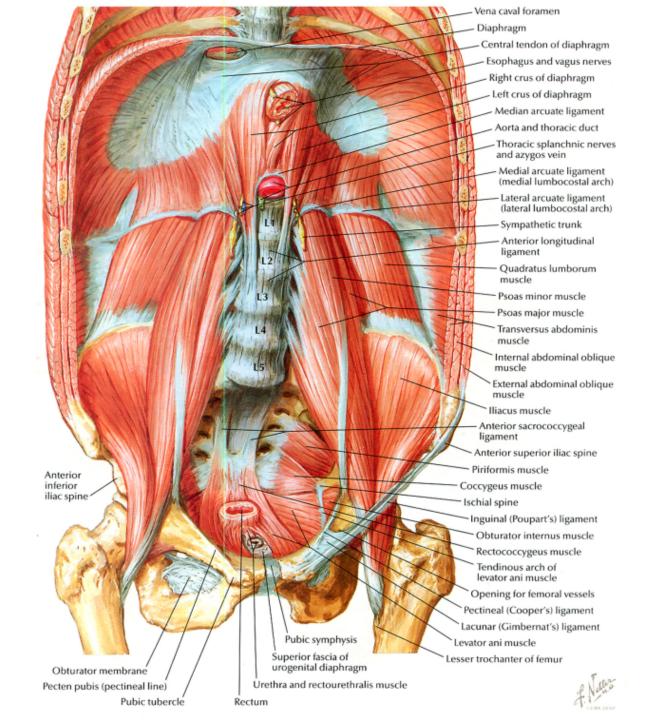


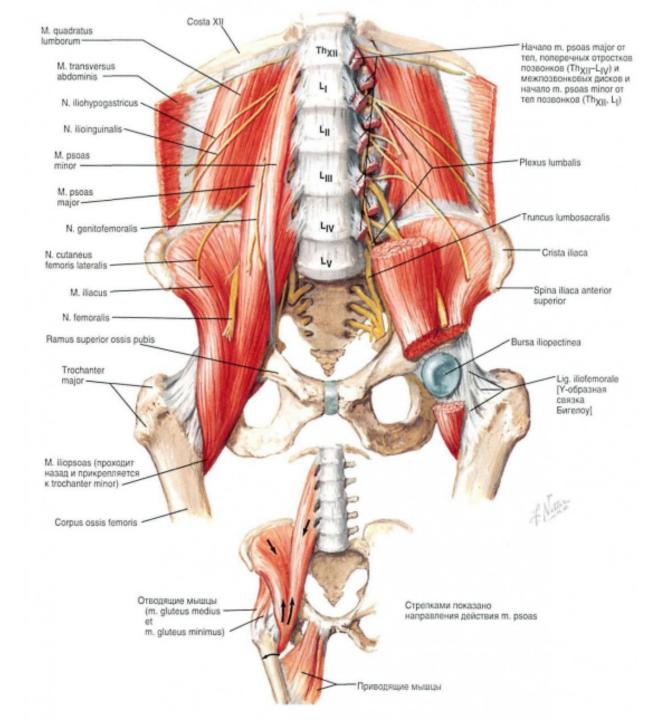


Anterior Views

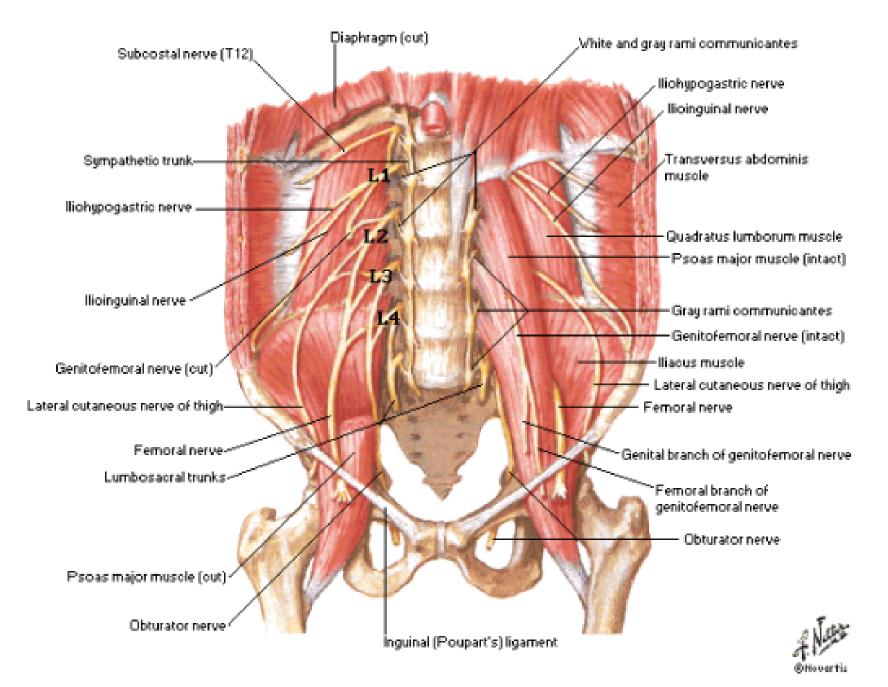
Psoas and Iliacus Muscles





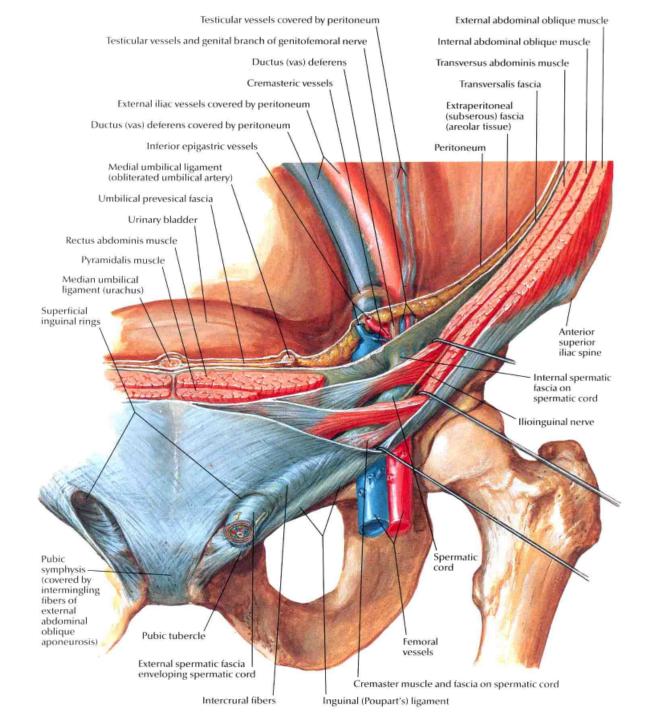


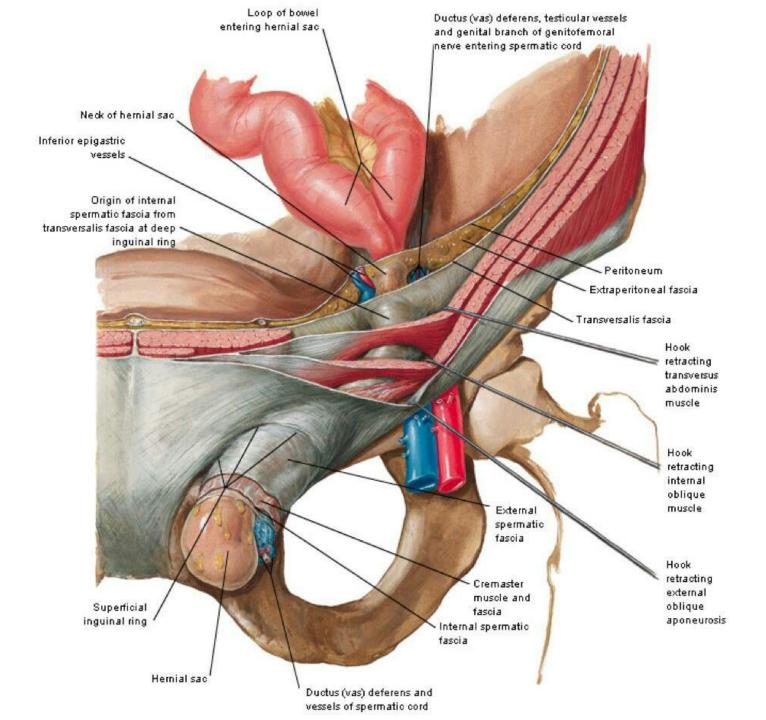
Lumbar Plexus in Situ



Plexus lumbalis (Th12 – L4)

- n. iliohypogastricus
- n. ilioinguinalis
- n. genitofemoralis
 - r. genitalis
 - r. femoralis
- n. cutaneus femoris lateralis
- n. femoralis
- n. obturatorius





Arteries of the pelvis

Common iliac artery 🔵 External iliac artery 🔵

-Some internal supply

inferior epigastric a. 🛵

Accessory obturator a.

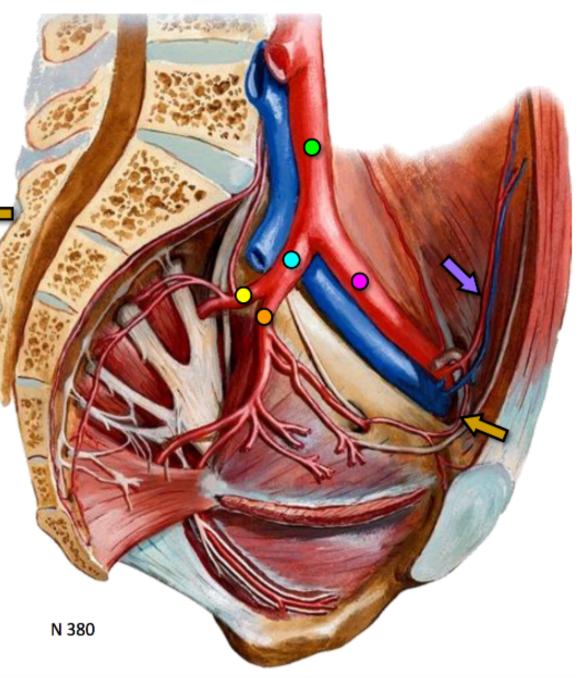
-Becomes *femoral artery* as it passes under the inguinal ligament

Internal iliac artery 🔾

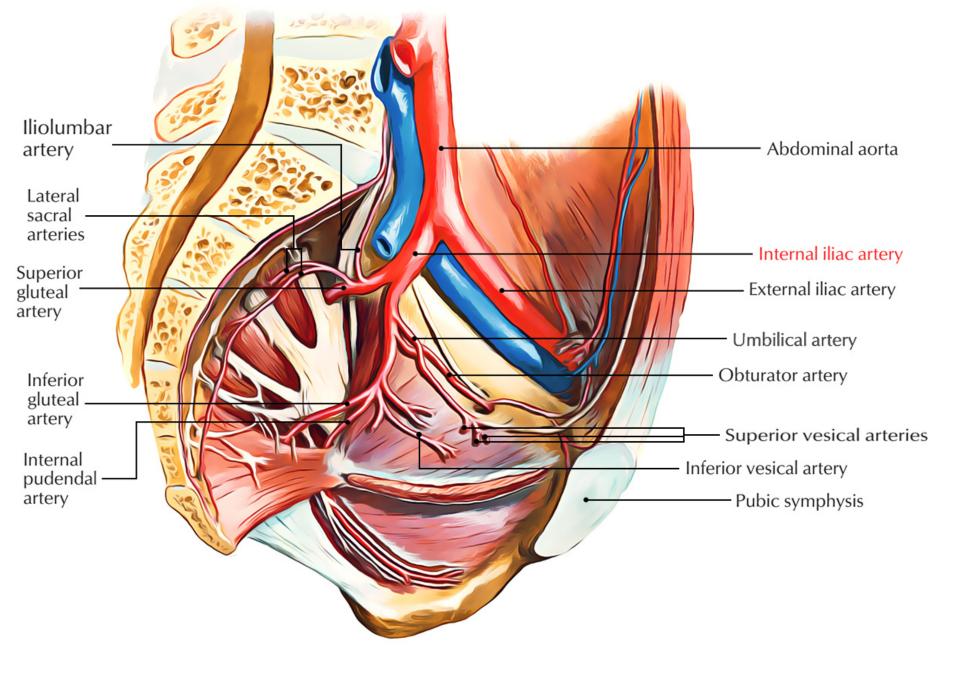
-mixed internal/external supply Anterior division O

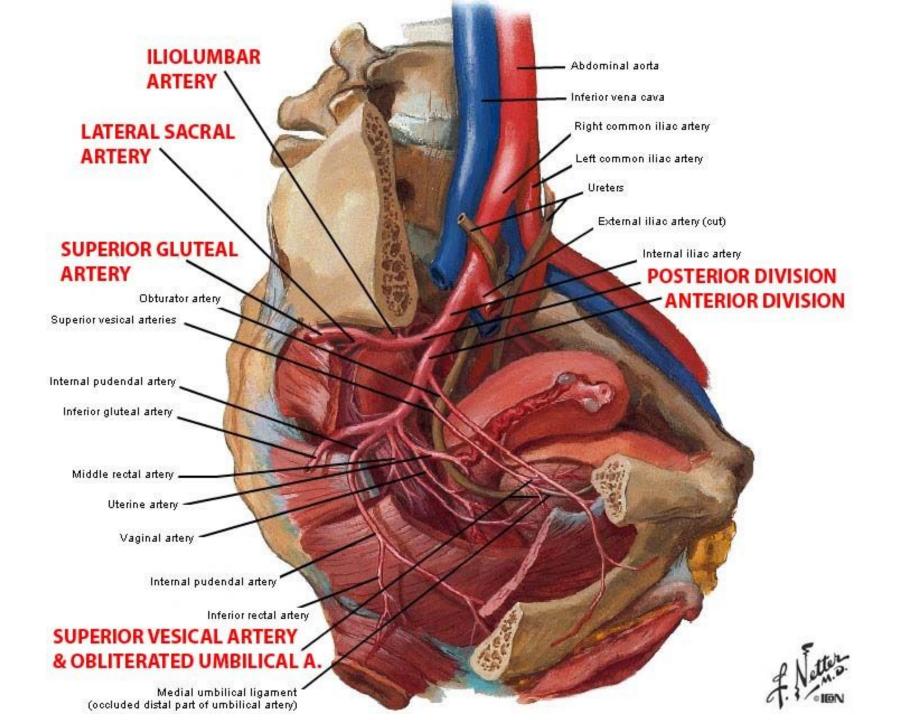
viscera of pelvis & perineum

Posterior division posterior wall, gluteal region



Variation common; look for where the artery is going in addition to where it is from





MUSCLES OF ANTERIOR COMPARTMENT

- Tensor fascia lata—
- Sartorius —
- Quadriceps femoris
 - Rectus femoris—
 - Vastus lateralis -
 - Vastus medialis—
 - Vastus intermedius
- Articularis genus

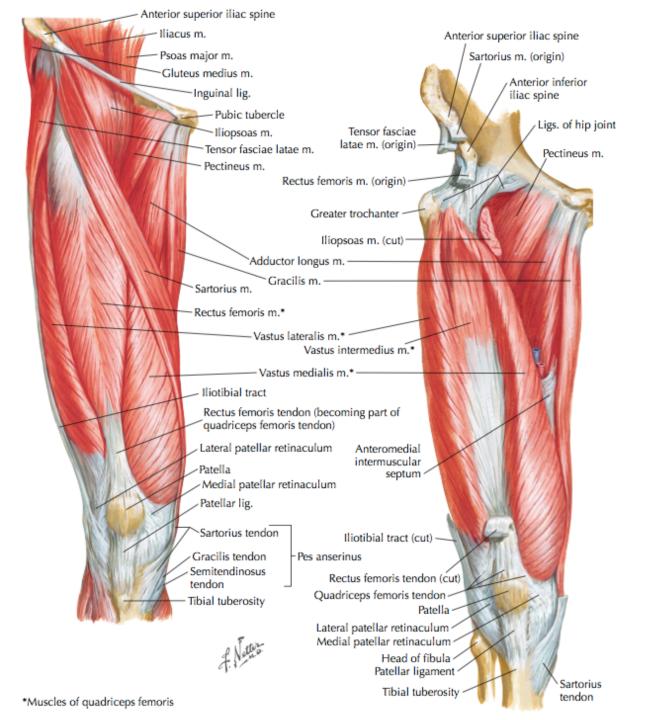
MUSCLES OF MEDIAL COMPARTMENT

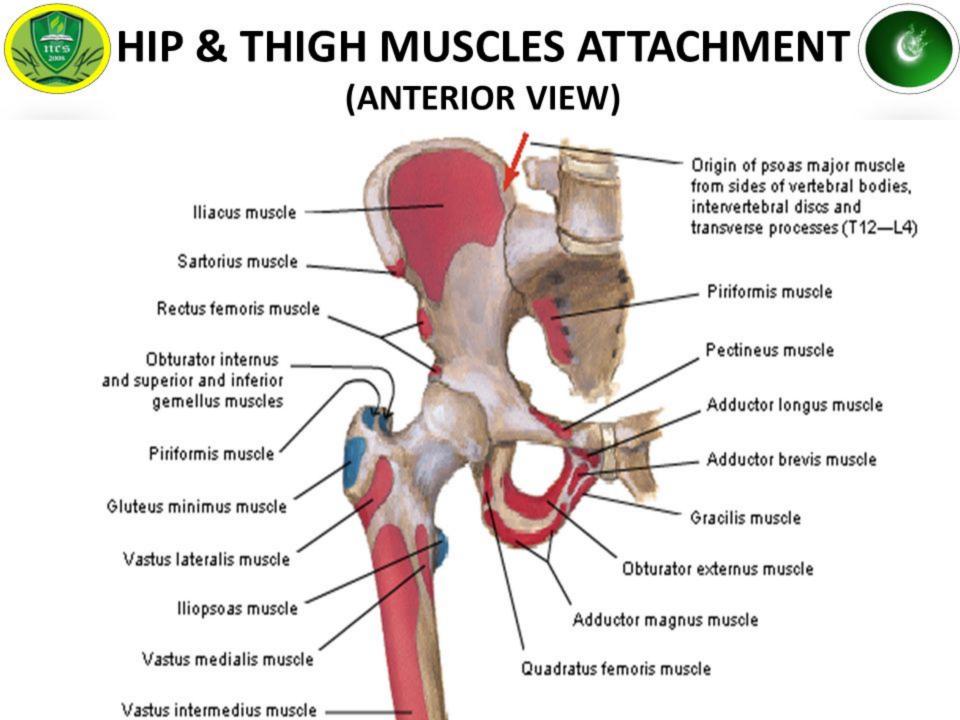
AM

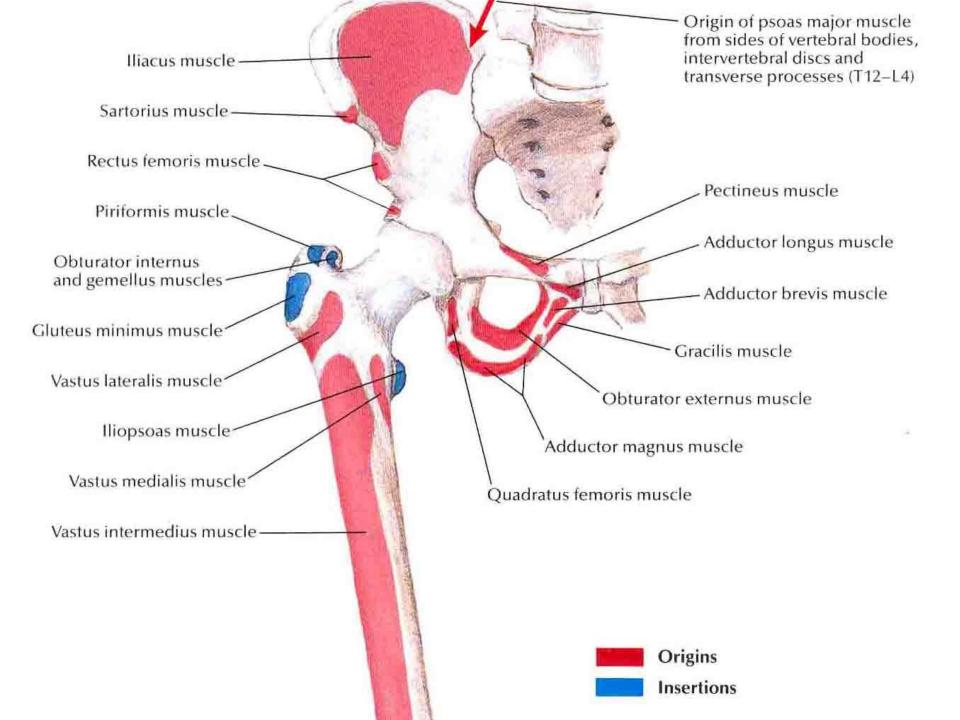
Pectineus

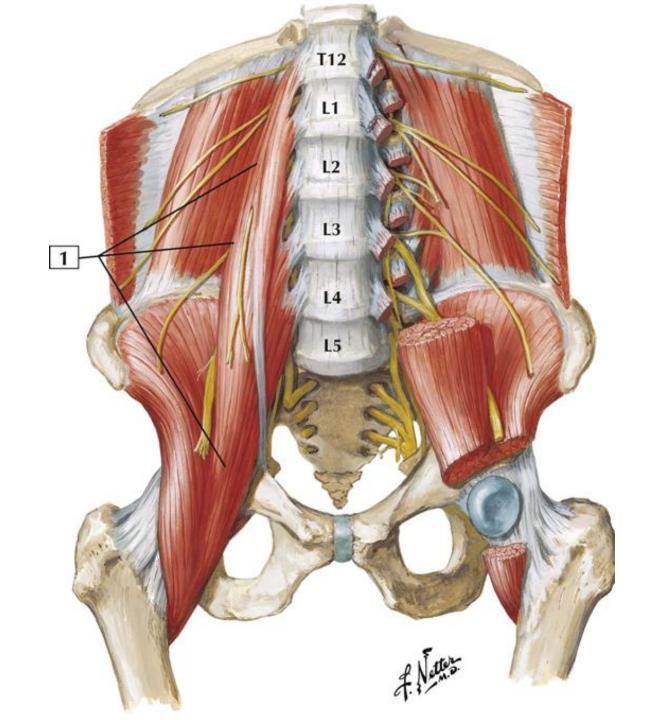
- Adductor longus_
- Adductor brevis

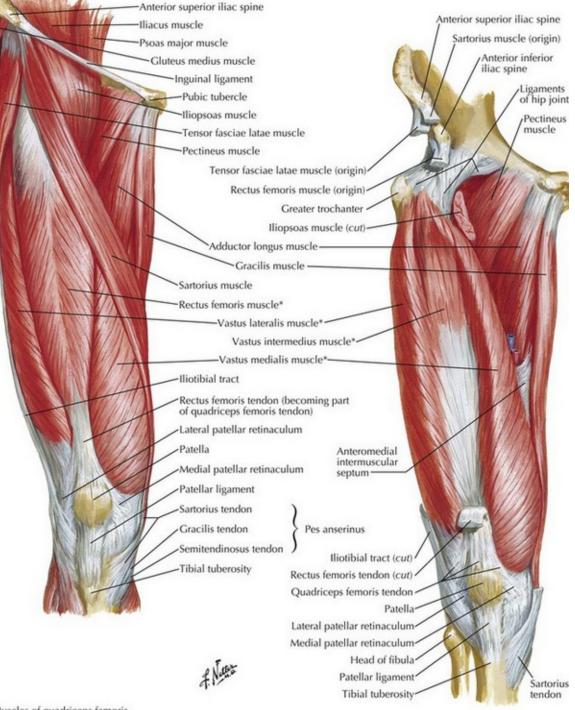
- Adductor magnus
- Gracilis



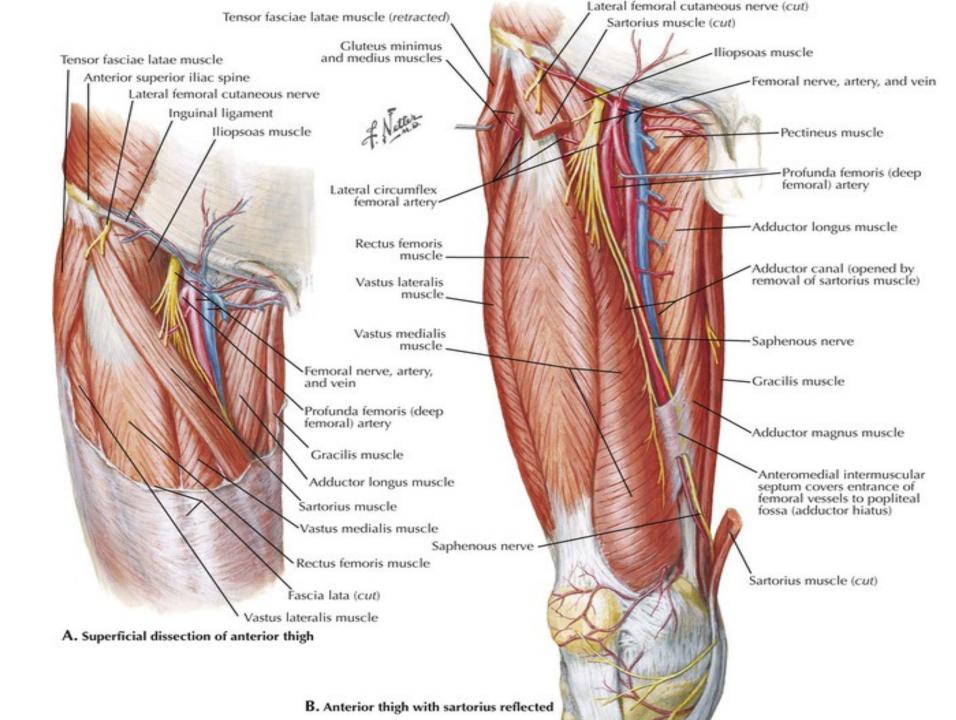


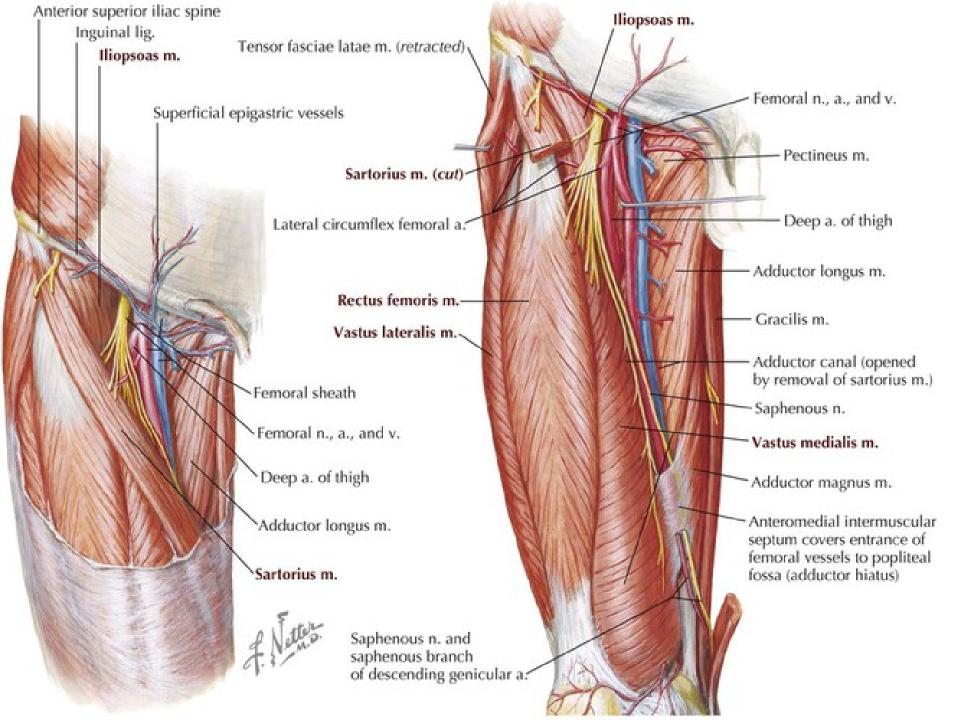


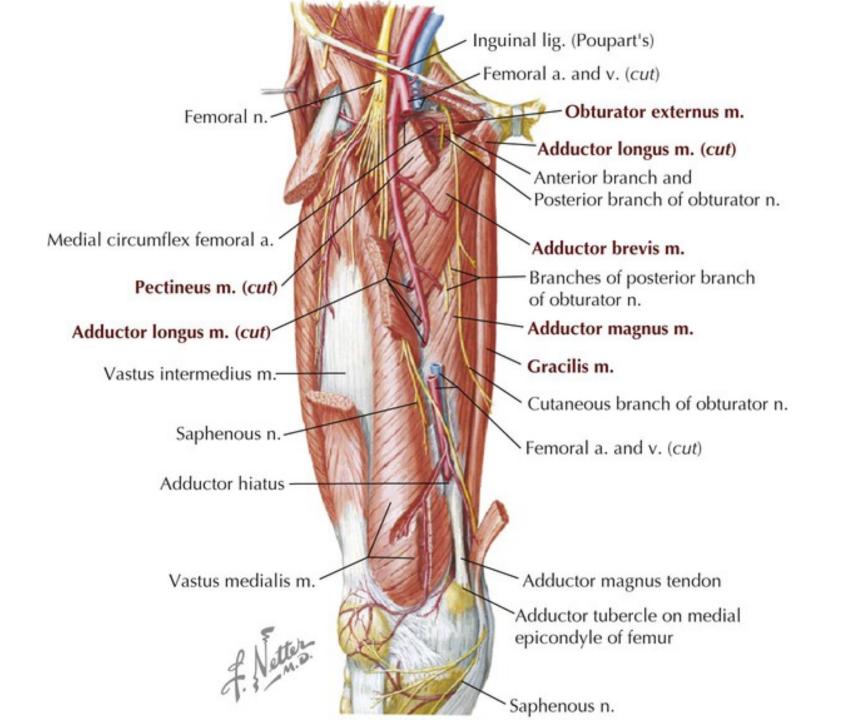




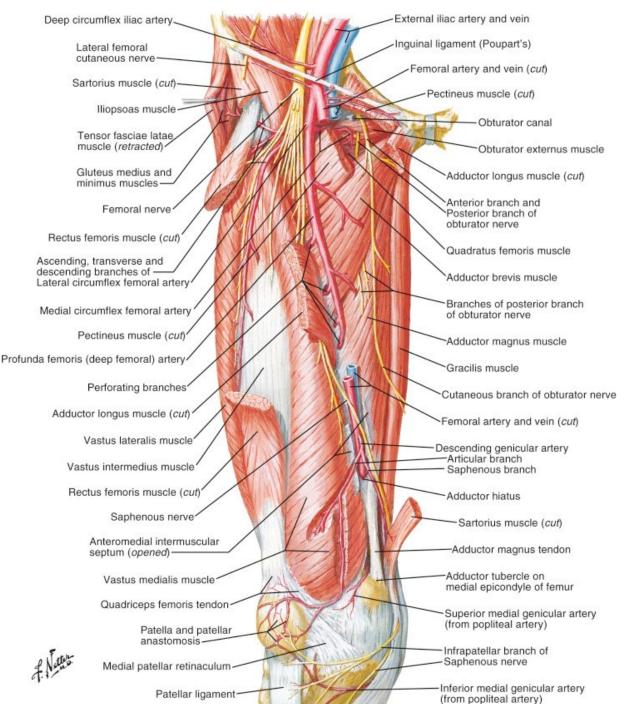
*Muscles of quadriceps femoris



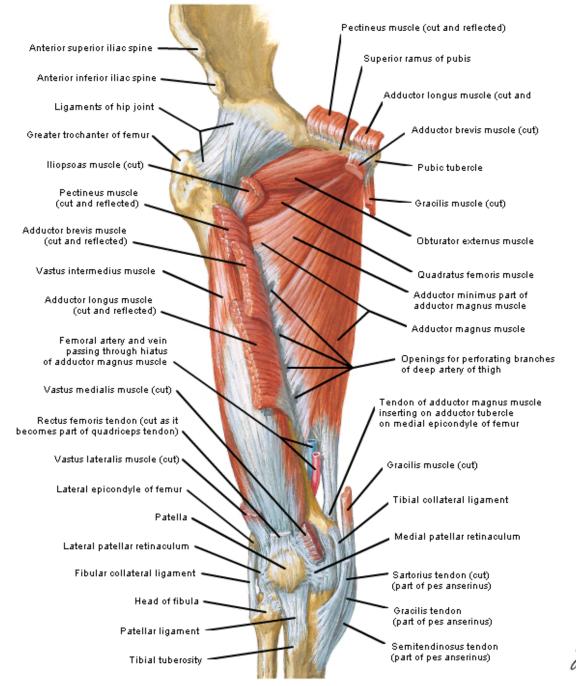




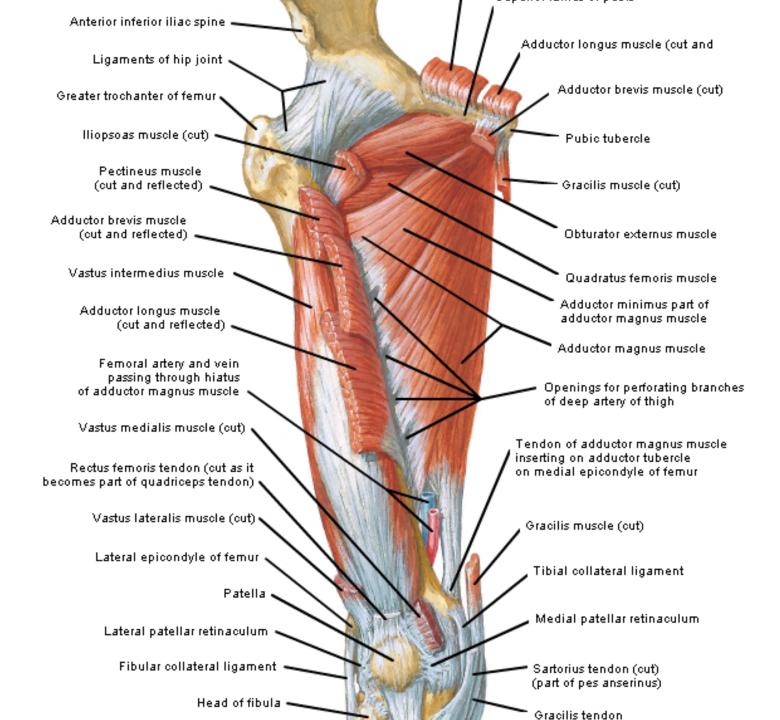
Deep dissection

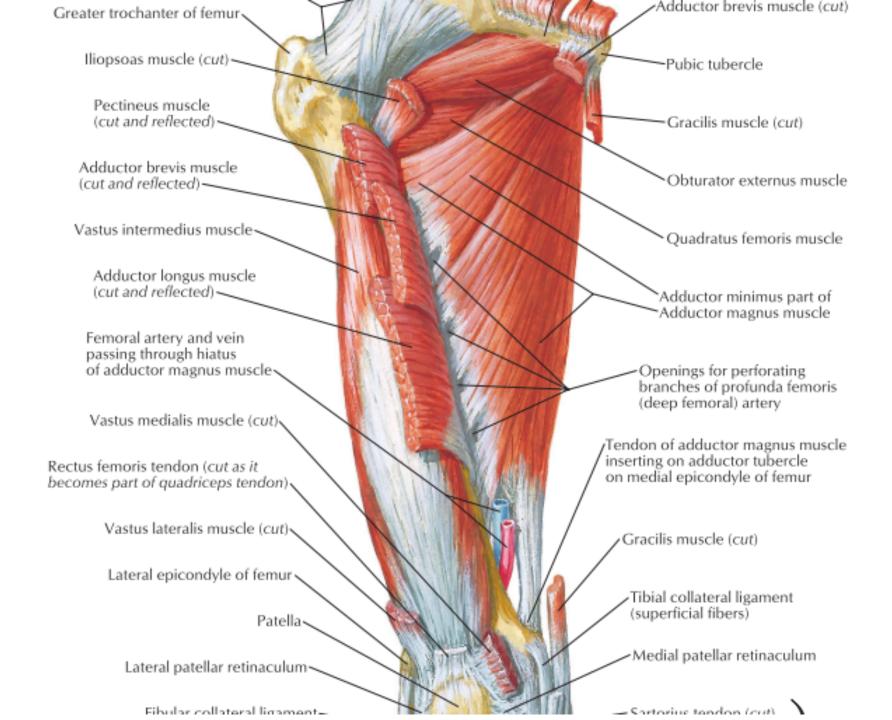


Muscles of Thigh: Anterior View - Deepest Dissection

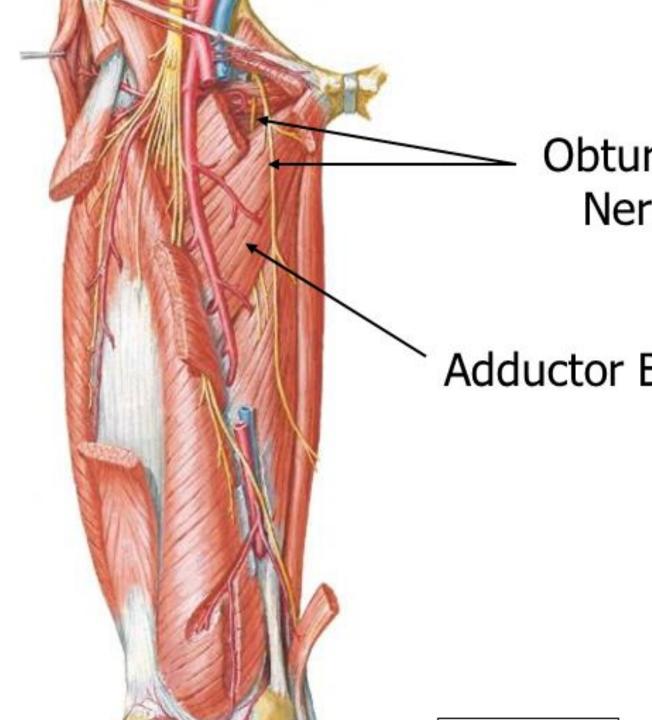


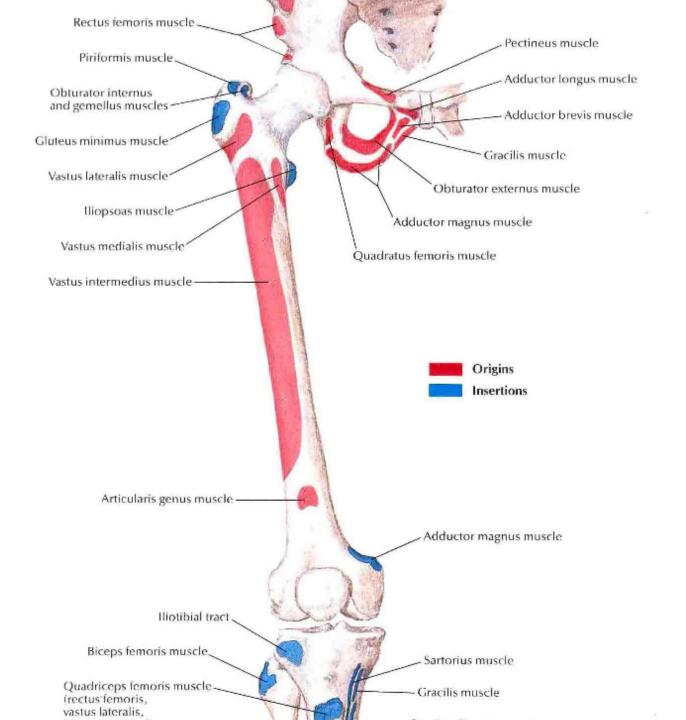


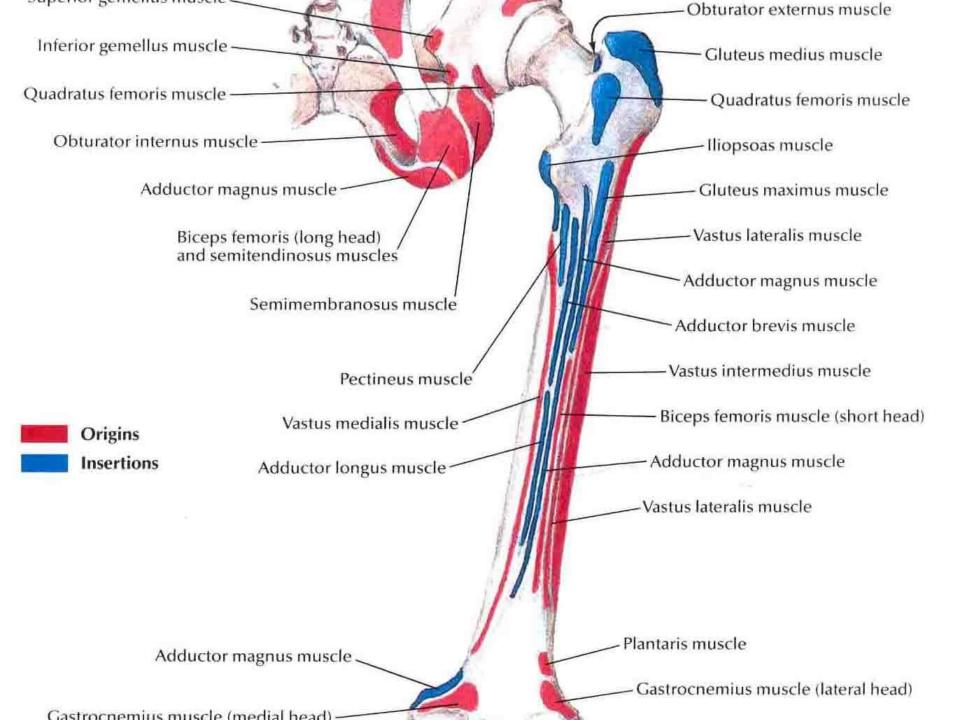


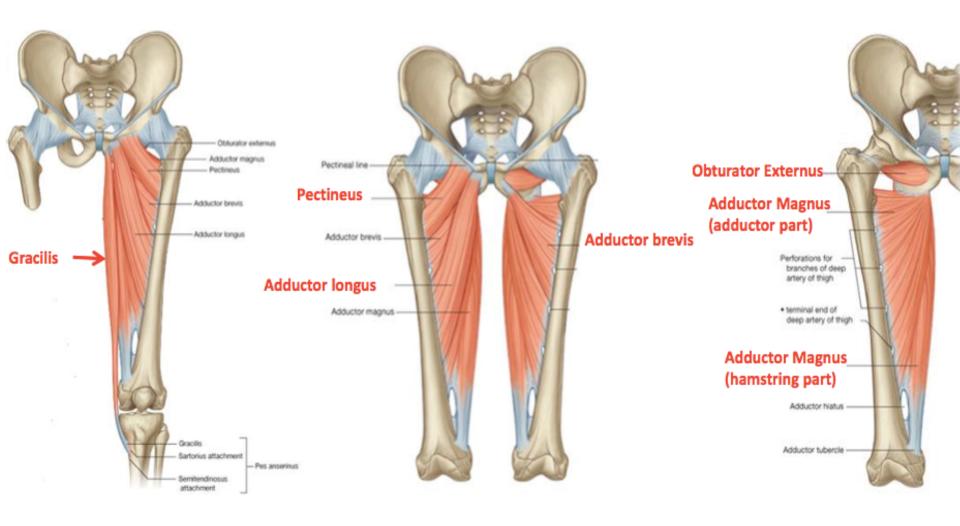


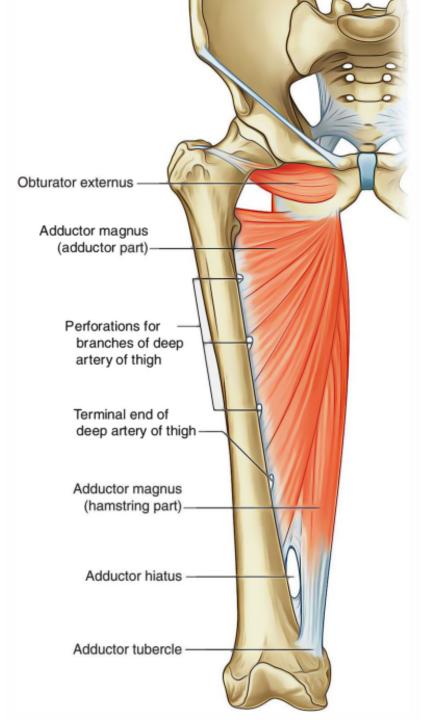
Identify Anterior and Posterior branches of the Obturator Nerve

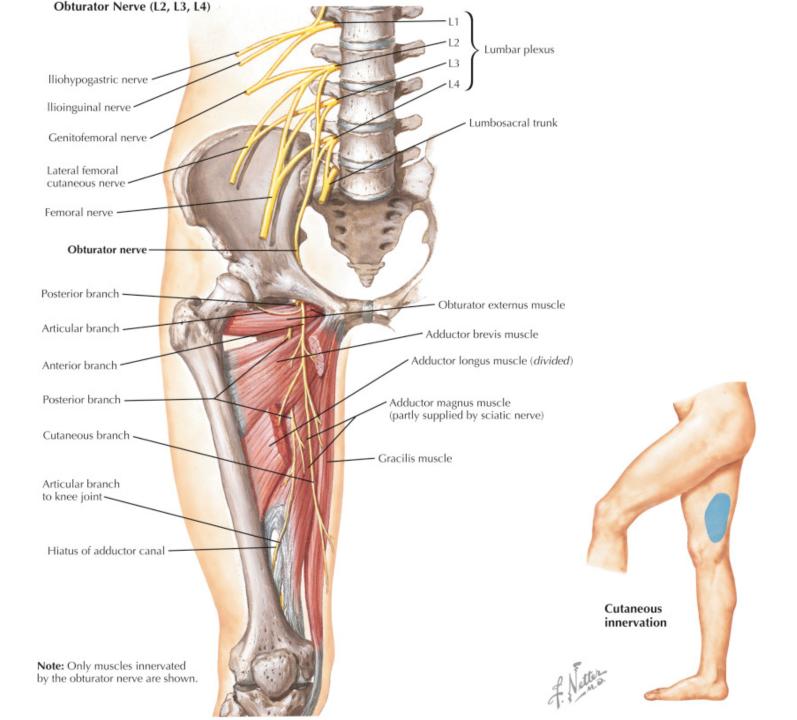


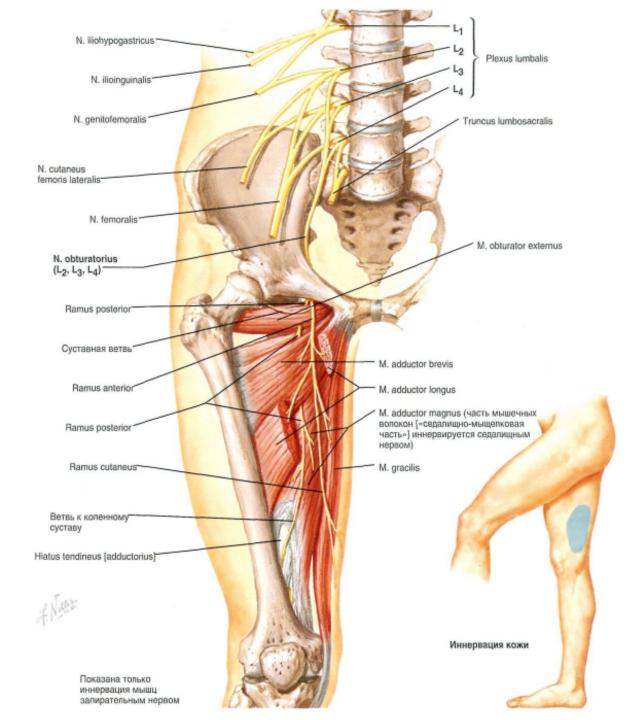


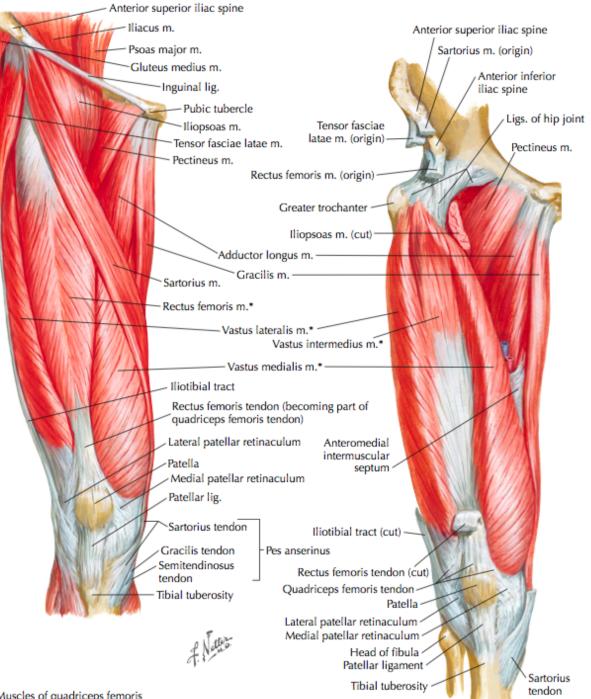




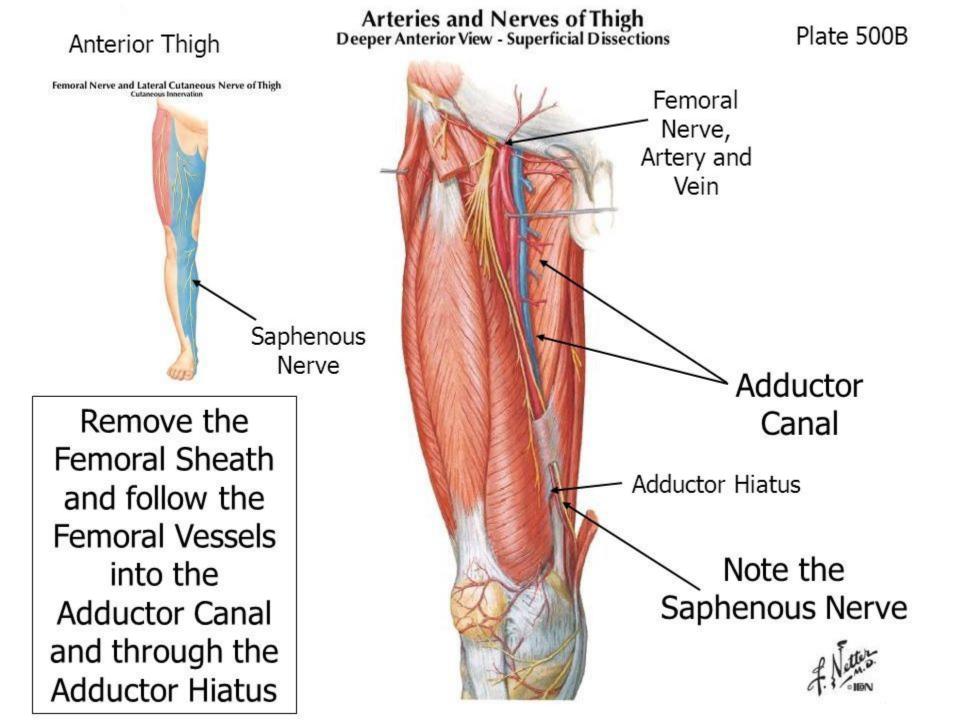




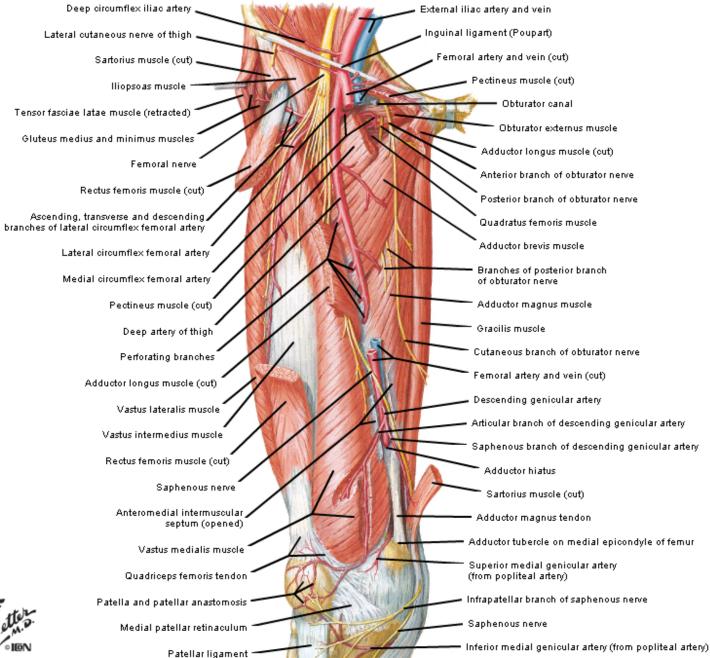




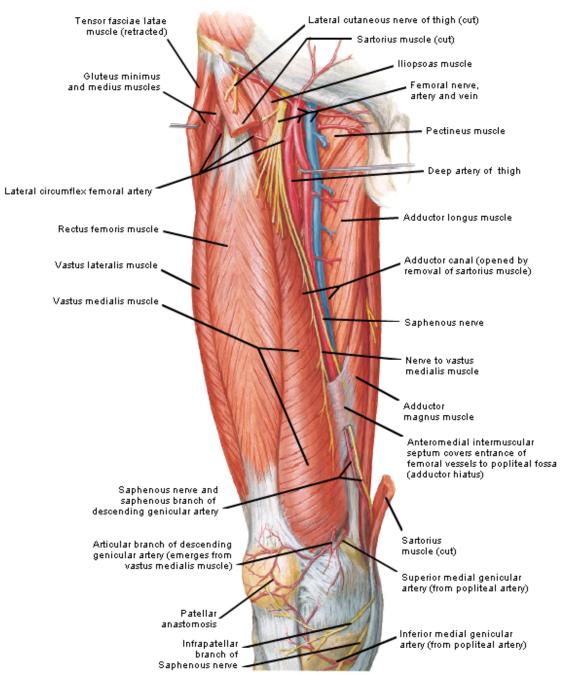
*Muscles of quadriceps femoris



Arteries and Nerves of Thigh (Deep Dissection) Anterior View

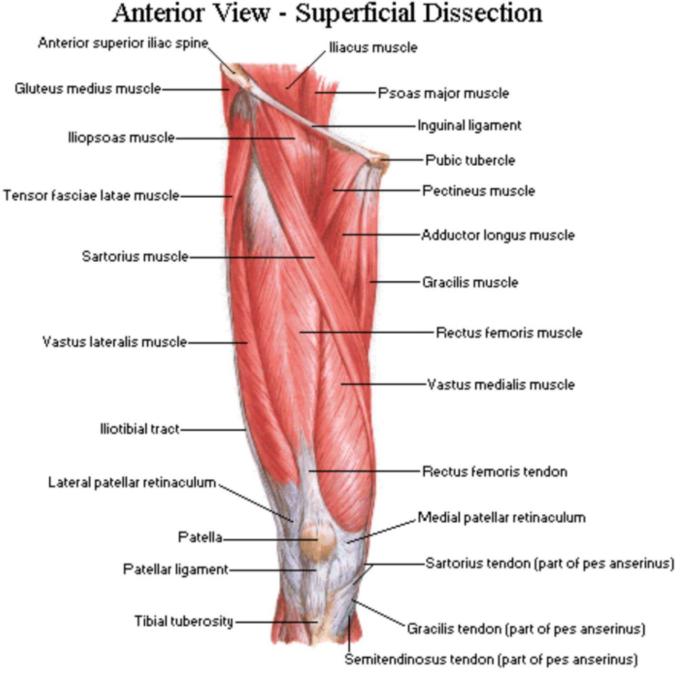


Arteries and Nerves of Thigh Deeper Anterior View - Superficial Dissections

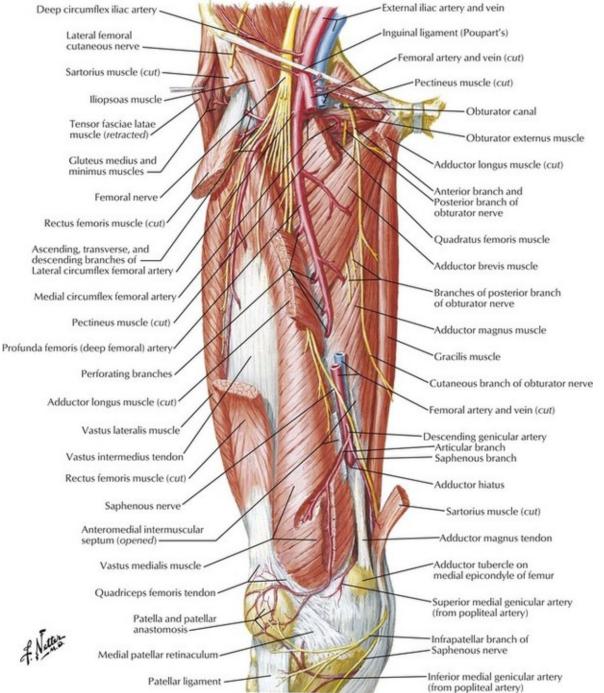




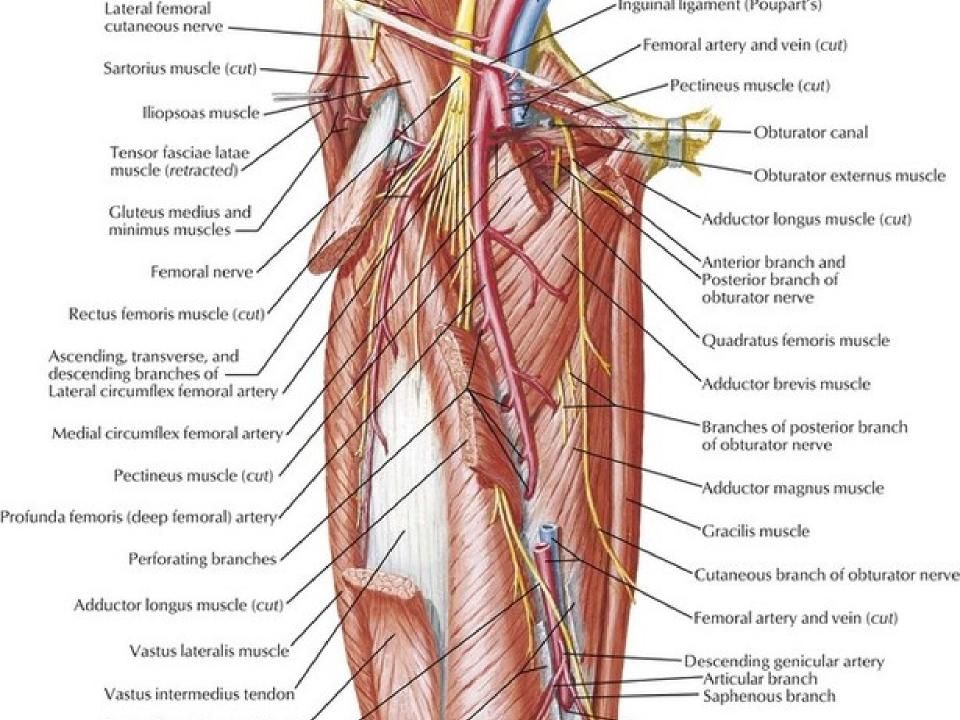
Muscles of Thigh



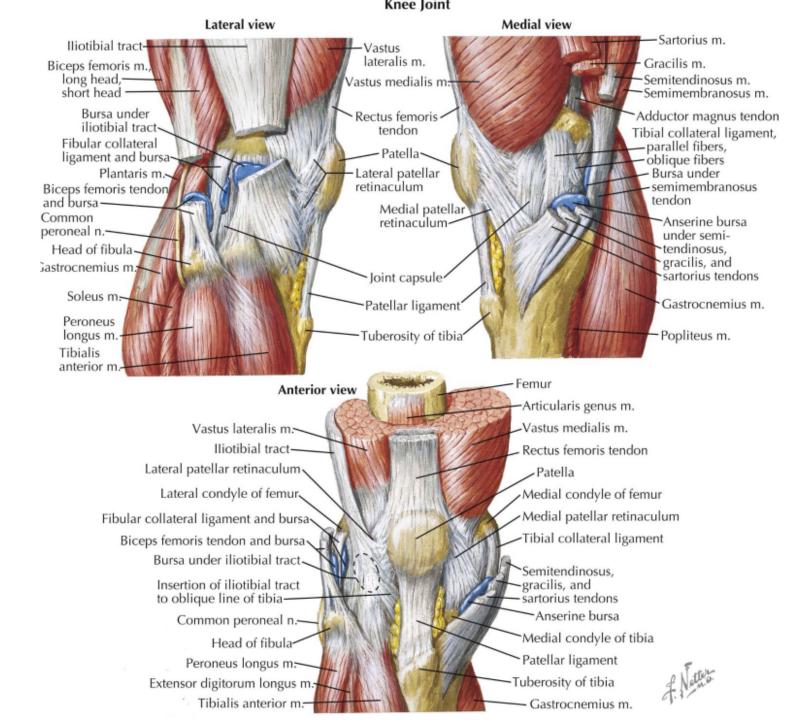
Deep dissection



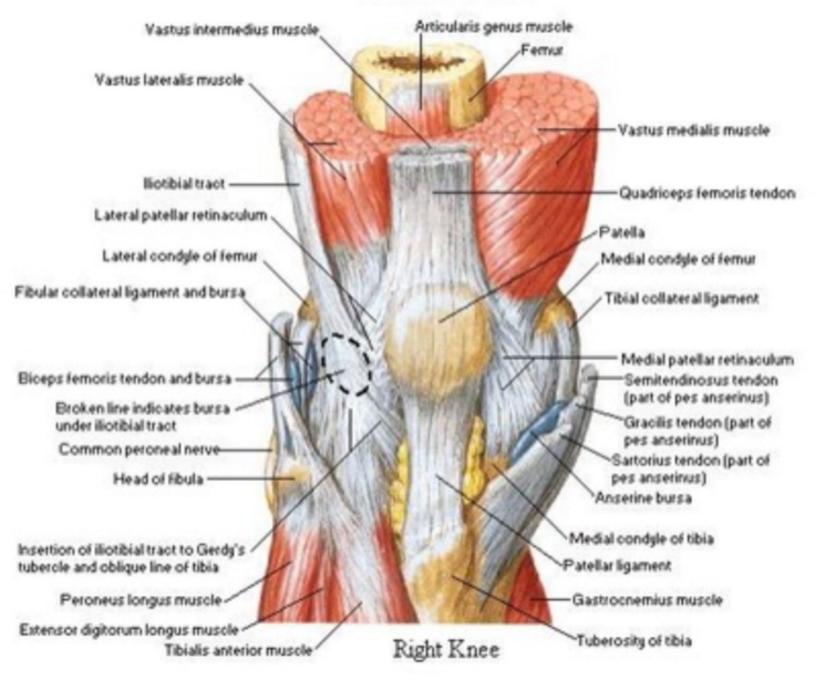




Quadratus femoris muscle Ascending, transverse, and descending branches of -Adductor brevis muscle Lateral circumflex femoral artery 4 Branches of posterior branch Medial circumflex femoral artery of obturator nerve Pectineus muscle (cut) 4 Adductor magnus muscle Profunda femoris (deep femoral) artery Gracilis muscle Perforating branches Cutaneous branch of obturator nerve Adductor longus muscle (cut) Femoral artery and vein (cut) Vastus lateralis muscle' Descending genicular artery Articular branch Vastus intermedius tendon Saphenous branch Rectus femoris muscle (cut) Adductor hiatus Saphenous nerve Sartorius muscle (cut) Anteromedial intermuscular -Adductor magnus tendon septum (opened) -Adductor tubercle on Vastus medialis muscle medial epicondyle of femur Quadriceps femoris tendon Superior medial genicular artery (from popliteal artery) Patella and patellar anastomosis-Infrapatellar branch of Saphenous nerve Medial patellar retinaculum

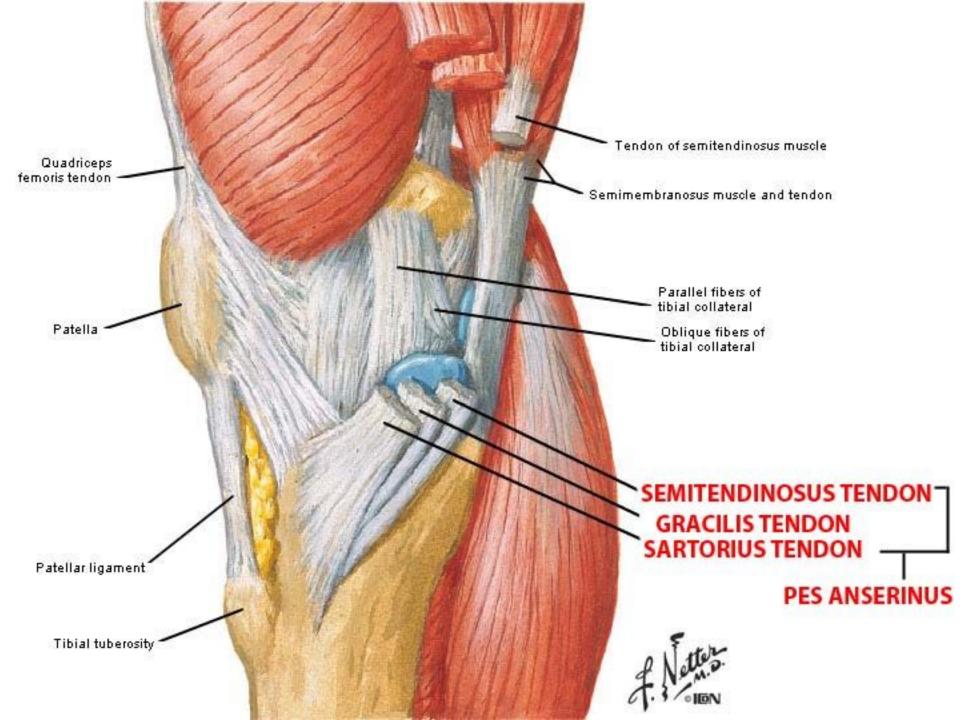


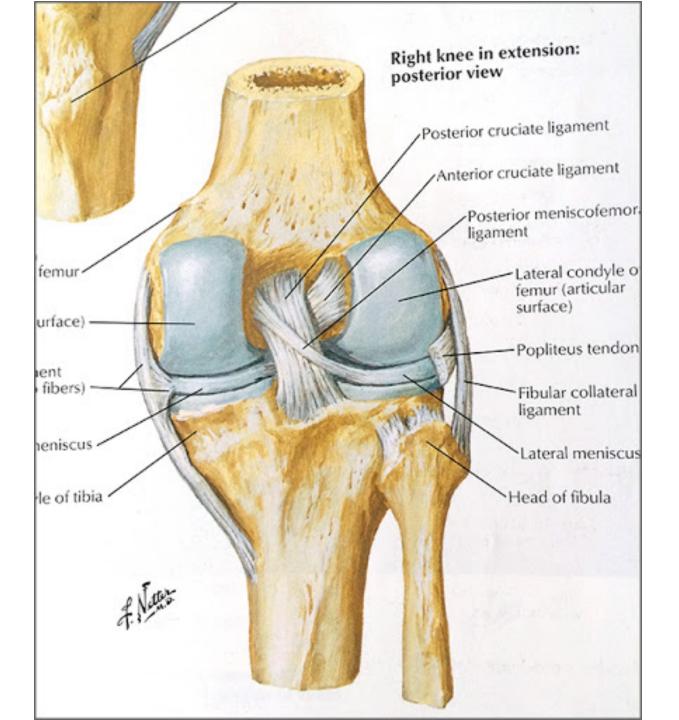
Anterior View

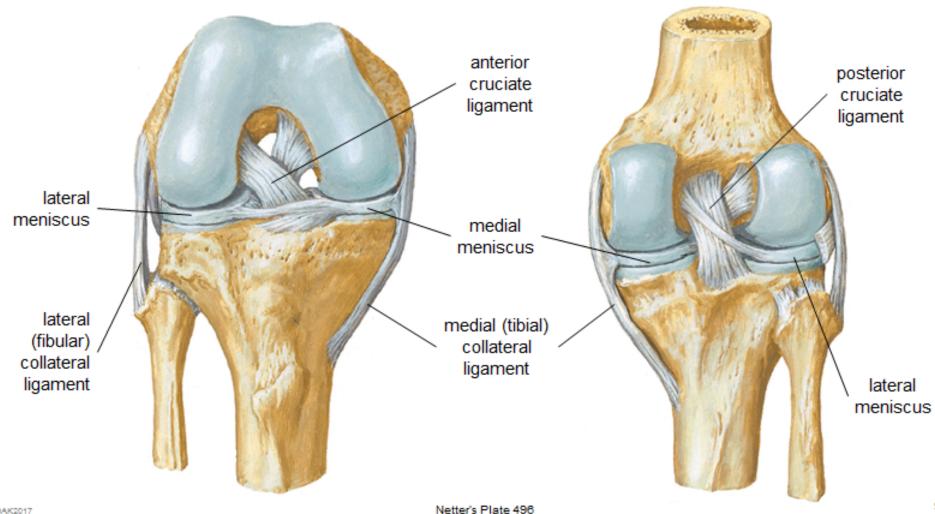


Vastus Sartorius muscle medialis Gracilis muscle muscle Tendon of Quadriceps semitendinosus muscle femoris tendon Adductor magnus tendon Medial Semimembranosus epicondyle muscle and tendon of femur Posterior Medial joint capsule patellofemoral Medial (tibial) ligament collateral ligament Posterior Patella oblique ligament Medial patellar Semimembranosus retinaculum bursa Anserine bursa Medial patellotibial * deep to Semitendinosus, ligament Pes Gracilis and anserinus Joint capsule Sartorius tendons Gastrocnemius muscle Patellar ligament Soleus muscle **Tibial tuberosity** Knee joint: medial view

Knee Joint medial view



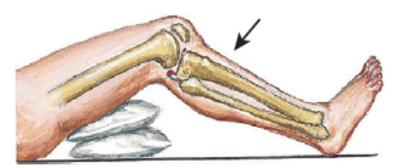




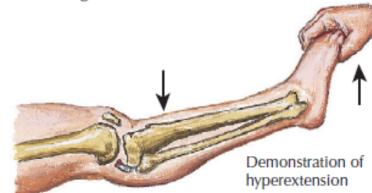
@AK2017

9

Rupture of posterior cruciate ligament



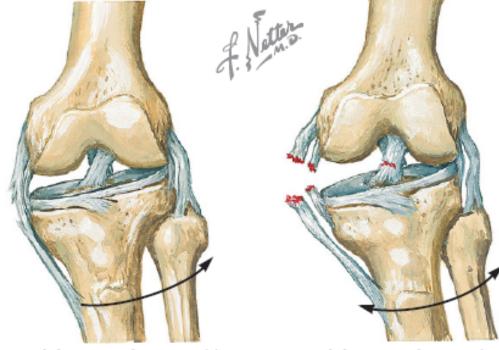
Posterior sag sign. Leg drops backward



Collateral ligament injury

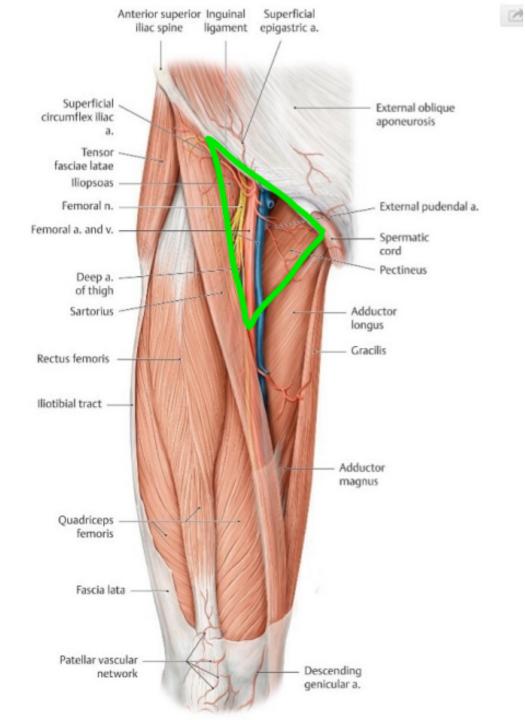


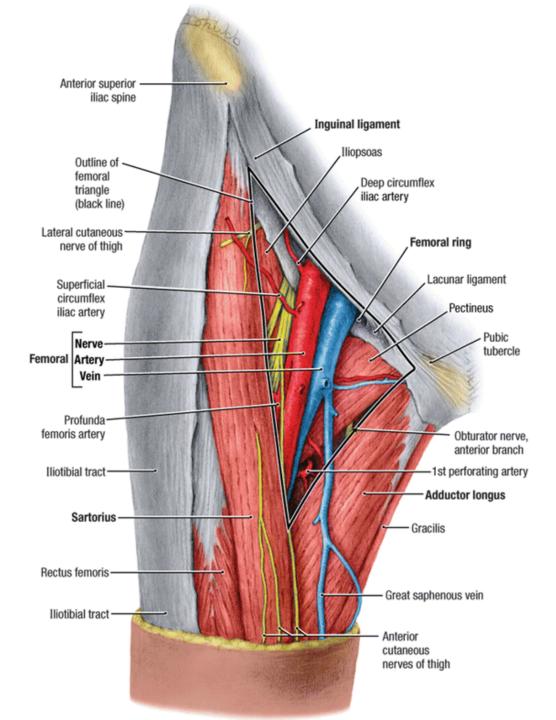
1st-degree sprain. Localized joint pain and tenderness but no joint laxity

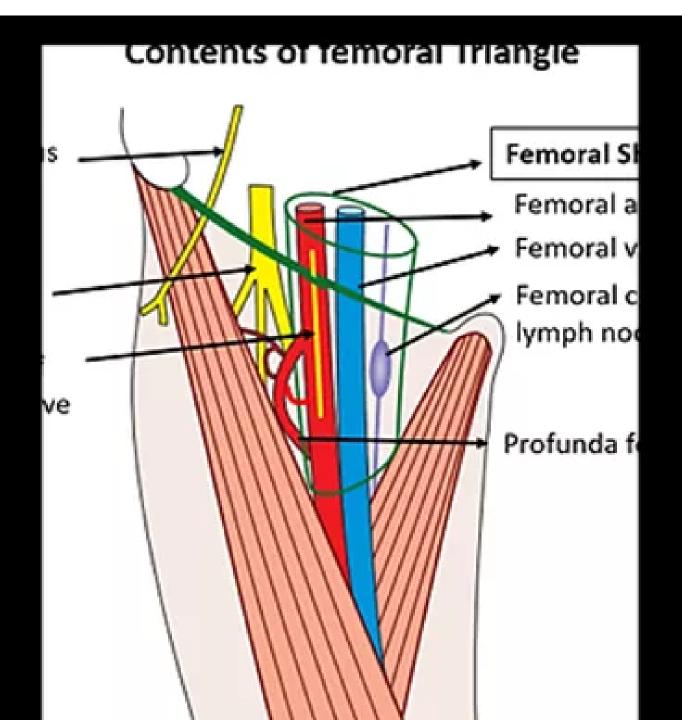


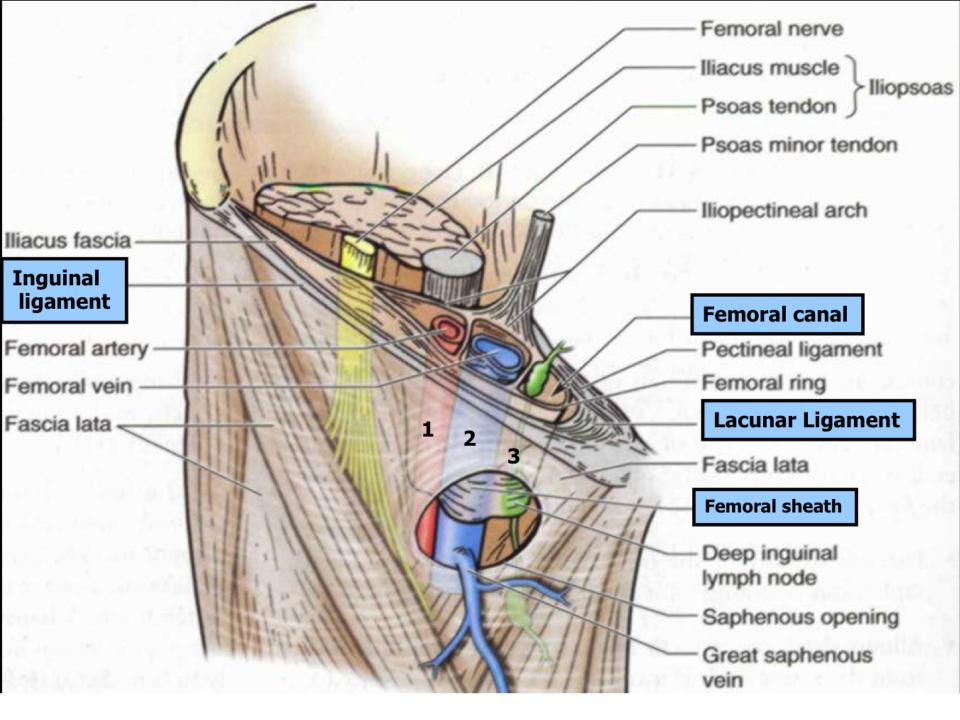
2nd-degree sprain. Detectable joint laxity with good end point plus localized pain and tenderness

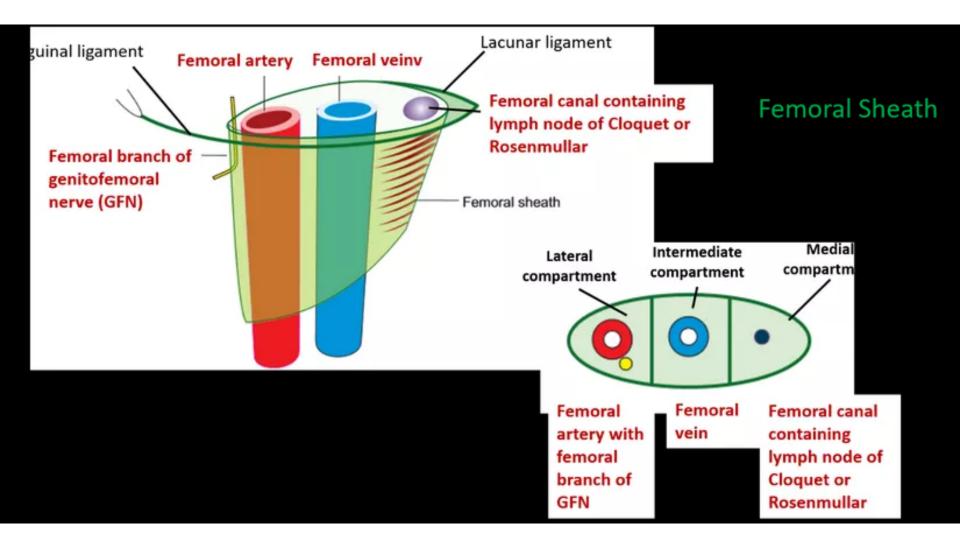
3rd-degree sprain. Complete disruption of ligaments and gross joint instability

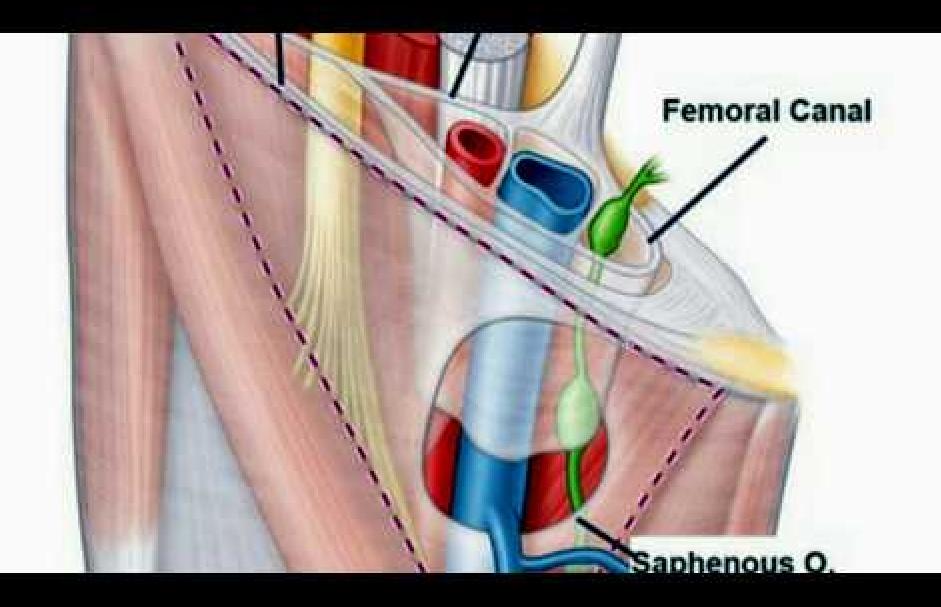


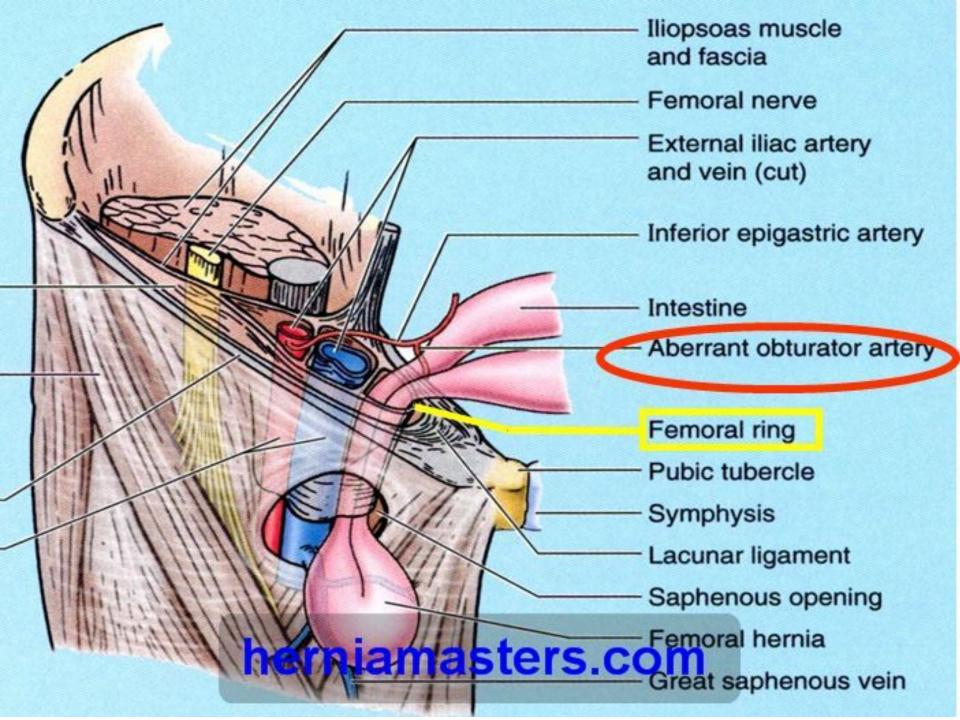




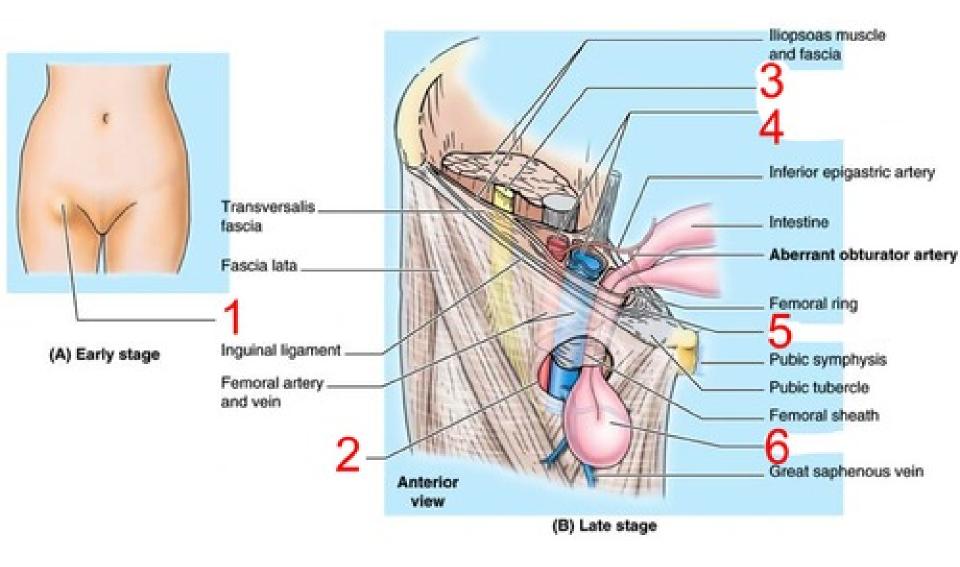








Femoral Hernia



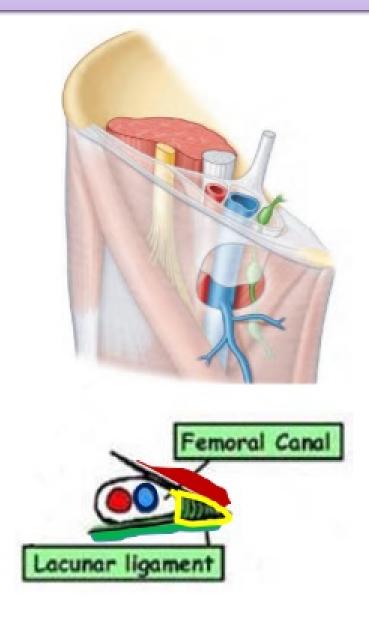
Femoral ring

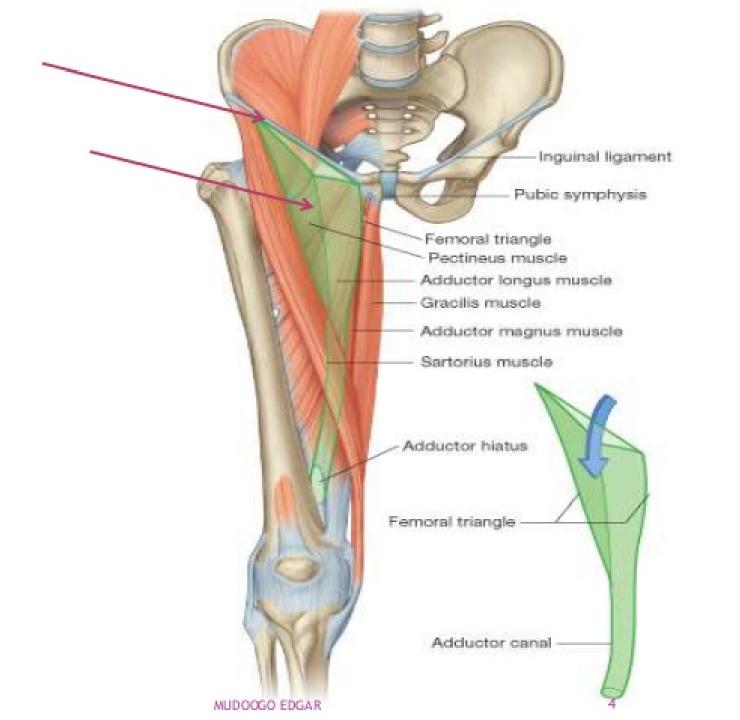
Boundaries:

- Anterior-inguinal ligament
- Posterior-pectineus with its covering fascia.
- Medial- base of lacunar ligament.
- Lateral-femoral vein.

Structures related to femoral ring

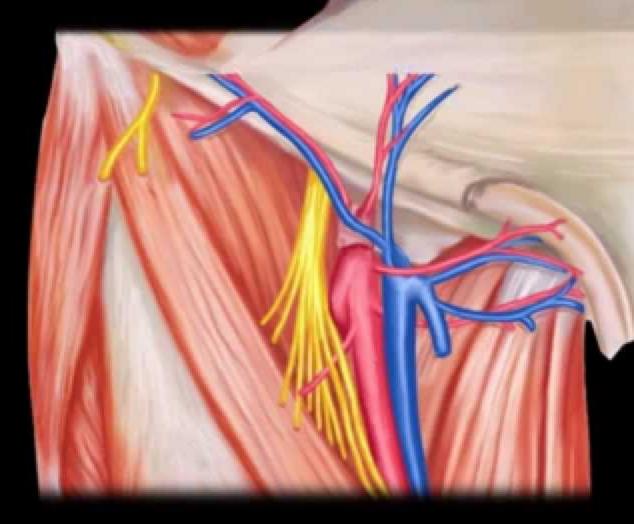
- Spermatic cord (male) round ligament of the uterus (female) lie immediately above the anterior margin of the ring
- Inferior epigastric vessels are close to its upper and lateral angle
 © Dr.N.Mugunthan





🚰 www.facebook.com/dr.g.bhanuprakash

FEMORAL TRIANGLE Contents of Femoral Triangle





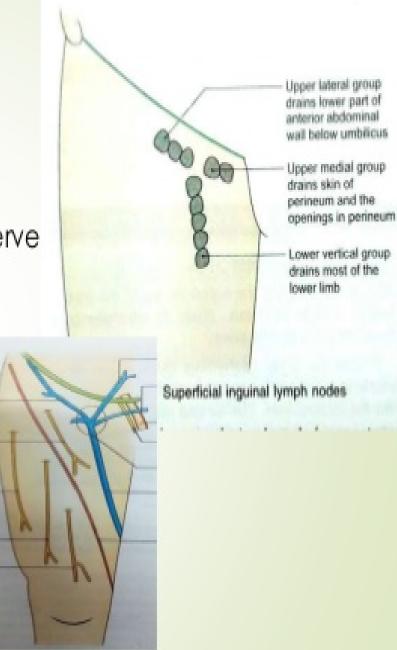
🔿 Skin

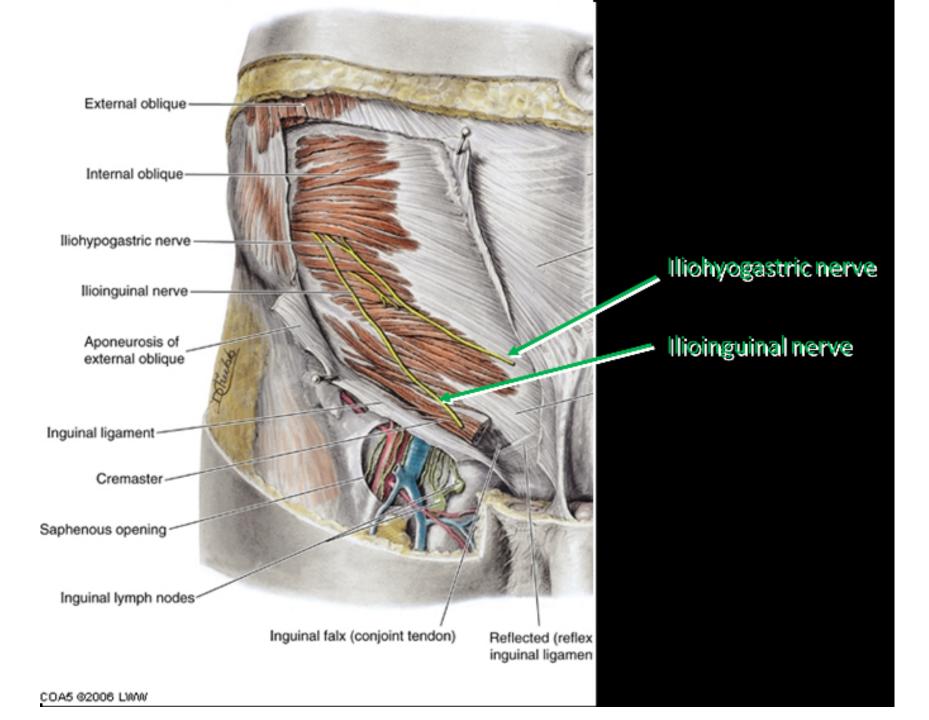
👄 Superficial fascia

--Superficial inguinal lymph nodes --Femoral branch of genitofemoral nerve --Branches of ilioinguinal nerve --Branches of femoral vessels --Great saphenous vein.

⇒ Deep fascia

--Saphenous opening and --Cribriform fascia.





Contents of Femoral Triangle

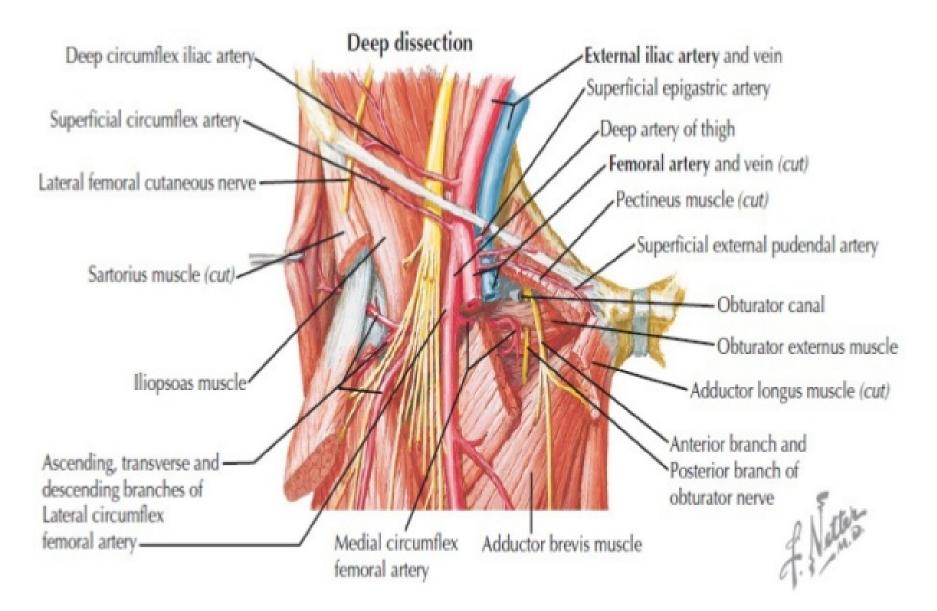
Femoral hernia enters the femoral canal which is in the medial part of the femoral sheath.

Femoral n Femoral a in femoral sheath Femoral cana

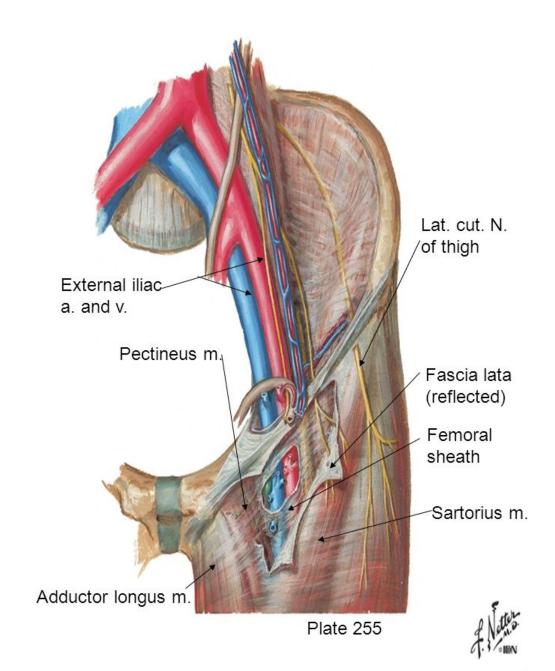
Nerve Artery Vein Y fronts Deep inguinal nodes in femoral canal

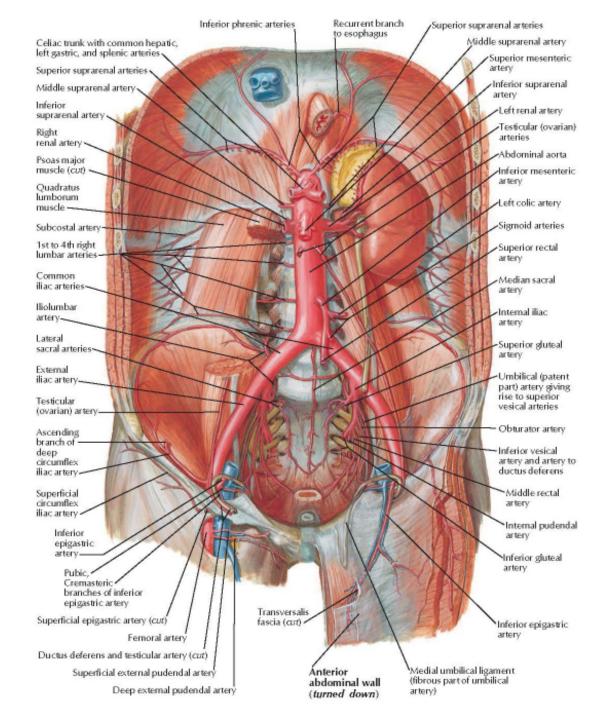
Lacunar ligament

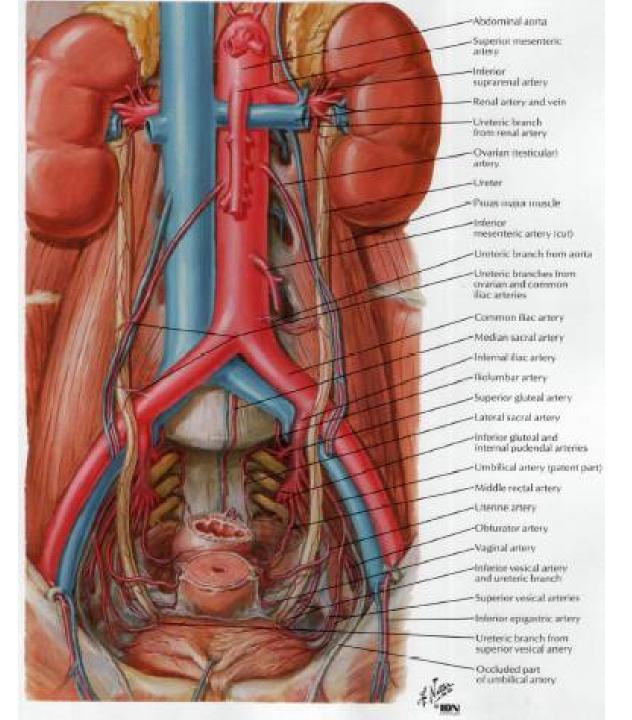
External Iliac



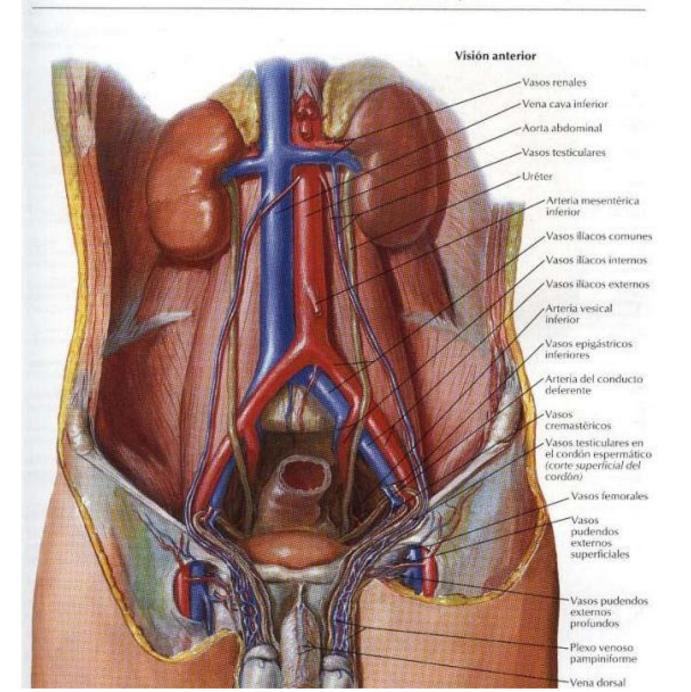
Femoral Sheath and Inguinal Canal

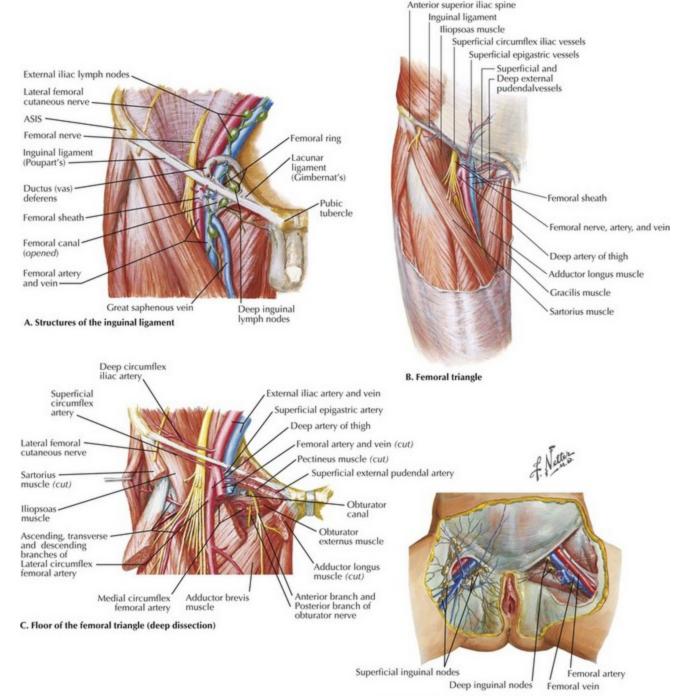




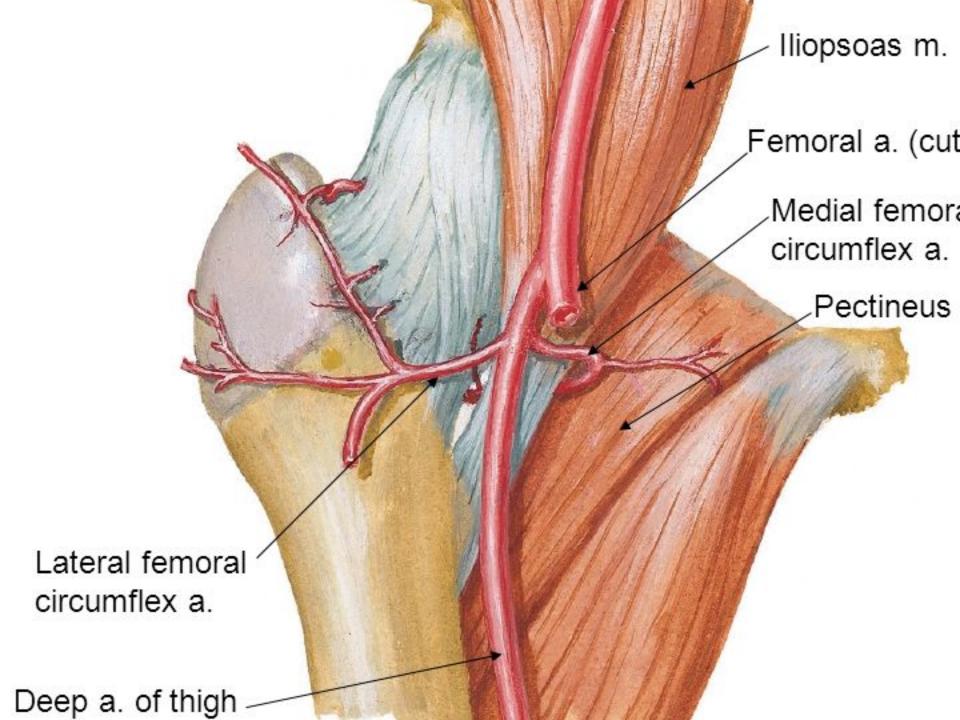


Arterias y venas del testículo

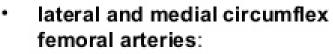




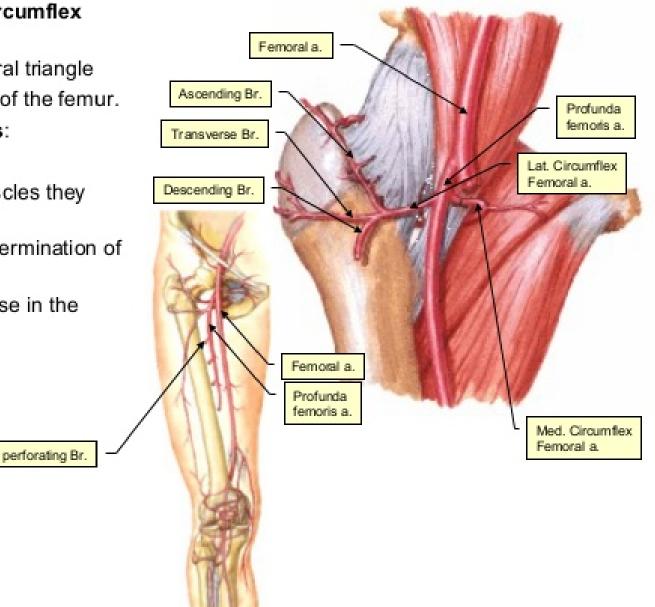
D. Lymphatic chain and nodes of the inguinal region

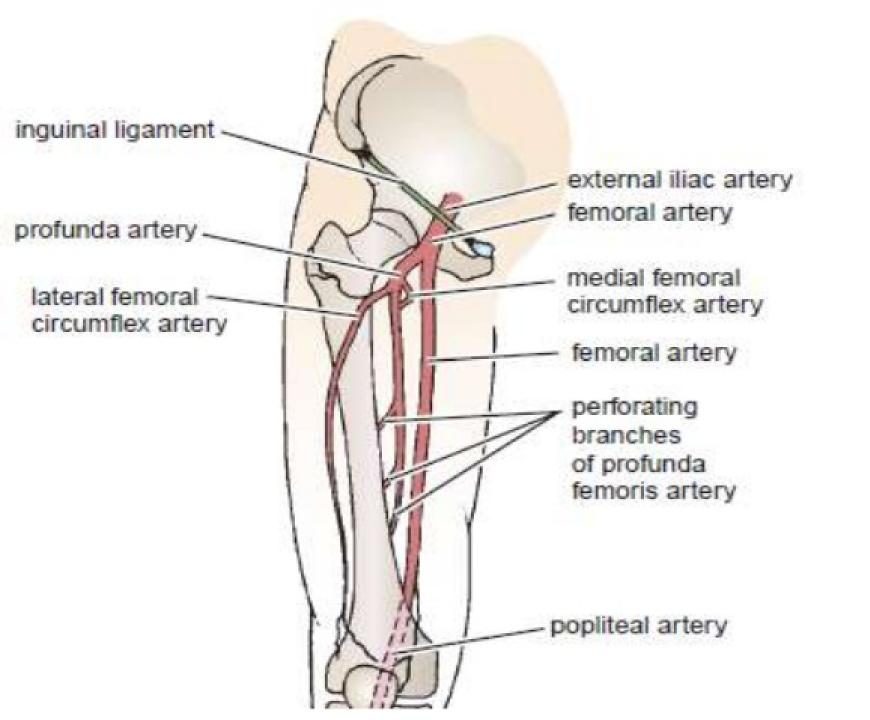


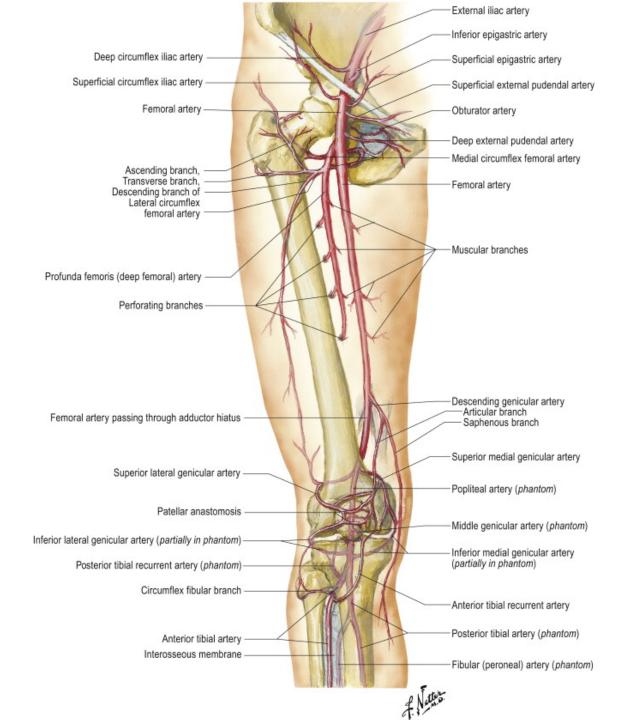
Branches of the profunda femoris artery

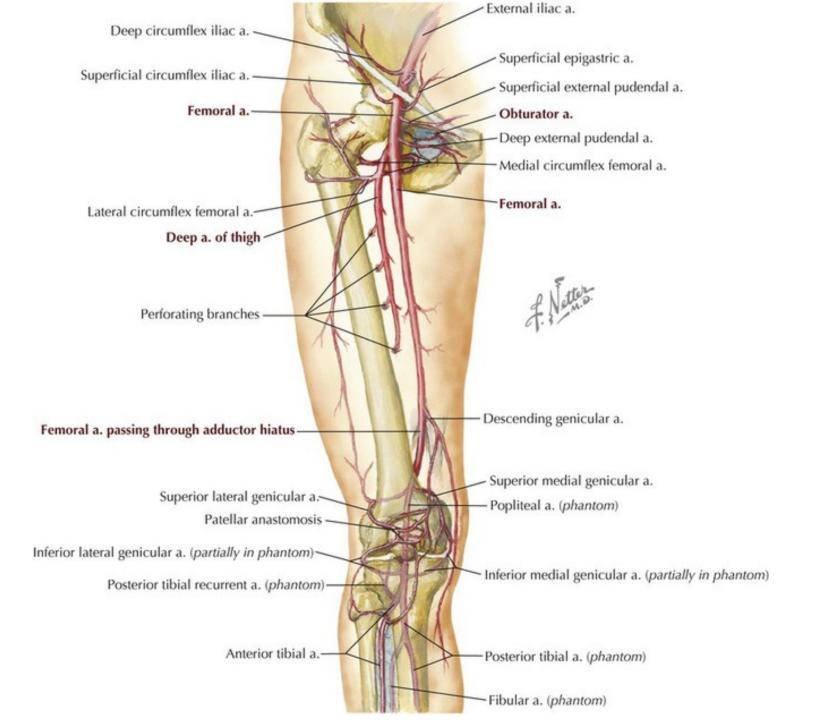


- given in the femoral triangle
- encircle the shaft of the femur.
- Perforating branches:
 - Four.
 - Perforate the muscles they meet.
 - The fourth is the termination of the vessel.
 - The upper two arise in the femoral triangle









rcumflex iliac a.

Femoral a.-

umflex femoral a.-

Deep a. of thigh -

rforating branches

Superficial epigast Superficial externa Obturator a. Deep external put Medial circumflex

External iliac a.

-Femoral a.



igh adductor hiatus-

erior lateral genicular a. Patellar anastomosis —

. (partially in phantom)-

al recurrent a. (phantom)-

Anterior tibial a.-

Descending genicular a.

Superior medial geniculation
 Popliteal a. (*phantom*)

Inferior medial genicular

Posterior tibial a. (phanto

Deep circumflex iliac artery

Superficial circumflex iliac artery

Ascending branch of lateral femoral circumflex artery

Transverse branch of lateral femoral circumflex artery —

Lateral femoral circumflex artery_

Descending branch of lateral femoral circumflex artery ///

<u>Deep Femoral</u> <u>Artery</u>

Perforating Arteries

Cupariar lateral ganiaular artent

External iliac artery

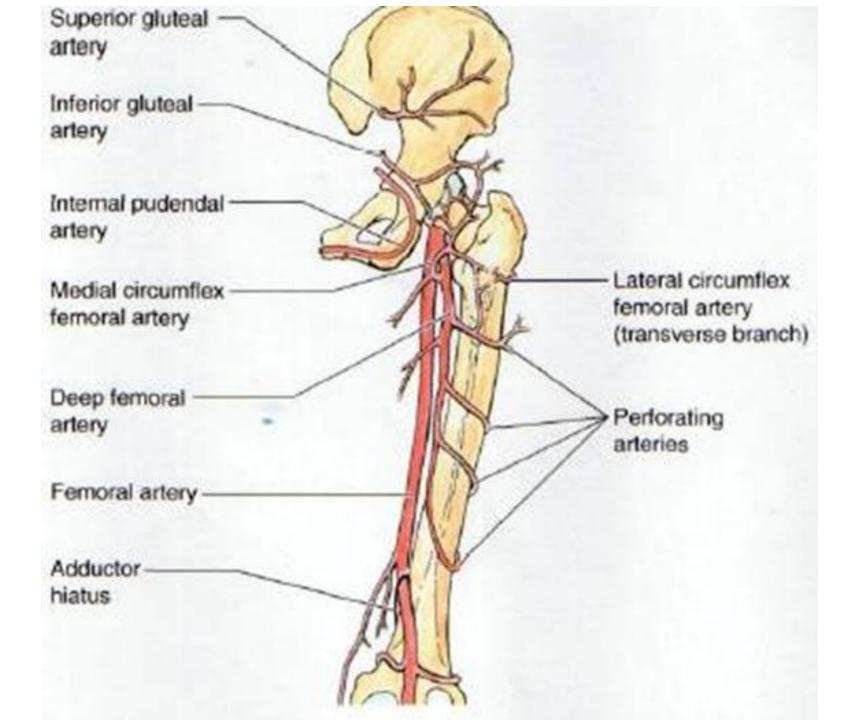
Inferior epigastric artery Superficial epigastric arter Superficial external pudenda Deep external pudendal art Obturator artery (from internal iliac artery) Femoral Artery

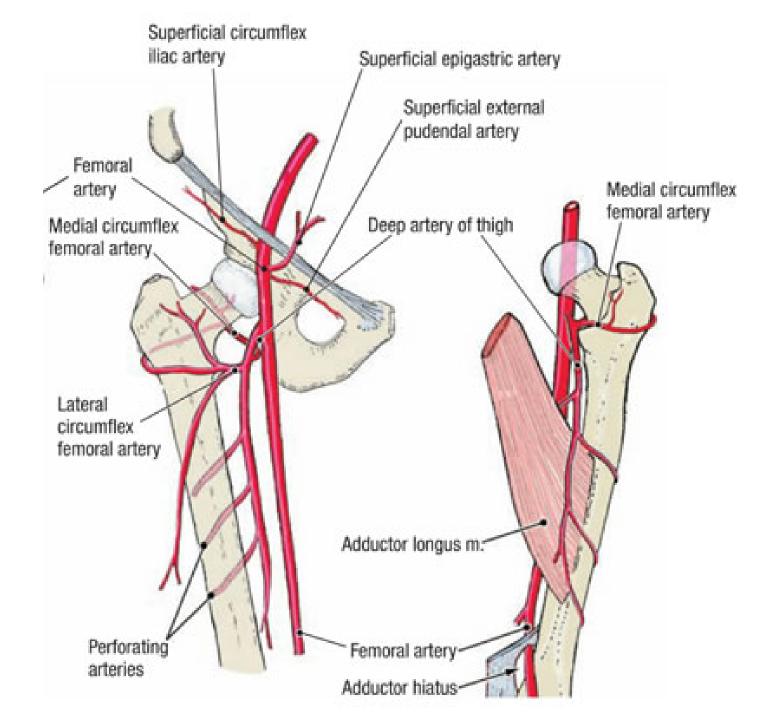
Medial cricumflex femoral artery

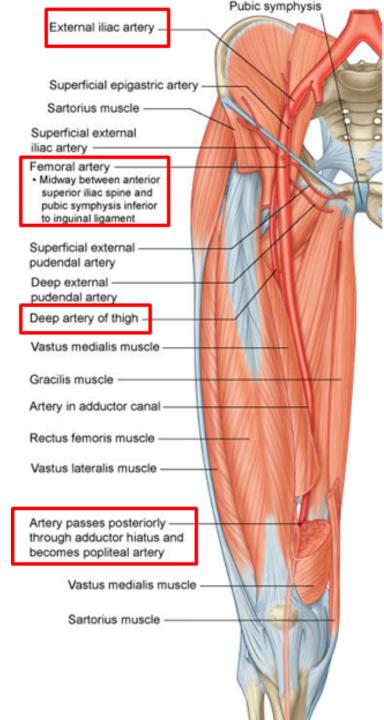
Muscular branches

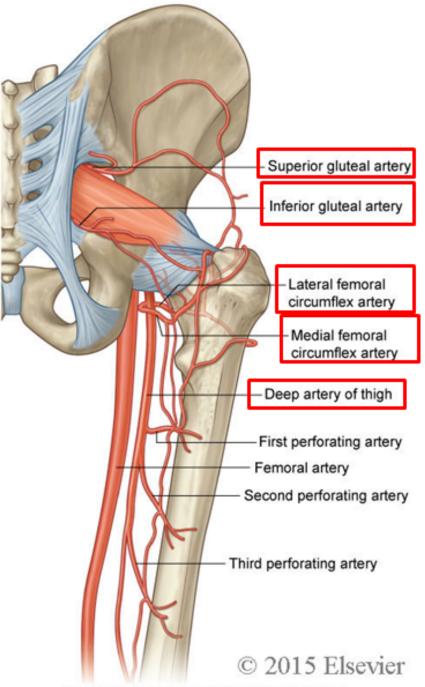
Adductor hiatus /Descending genicular artery

Articular branch of descending

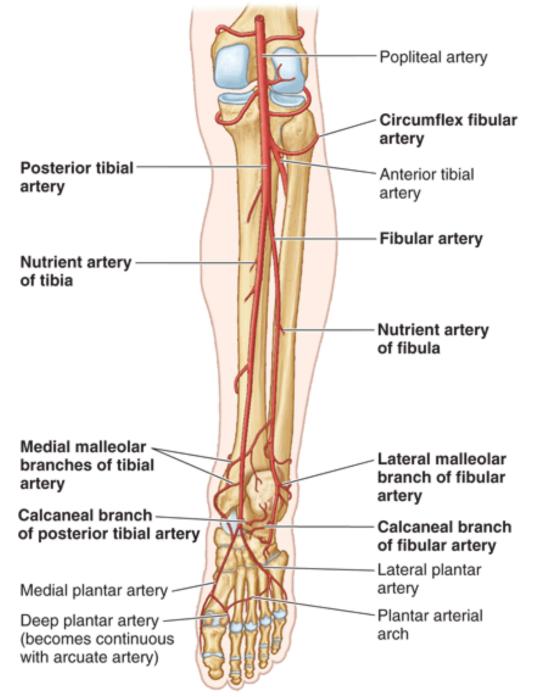




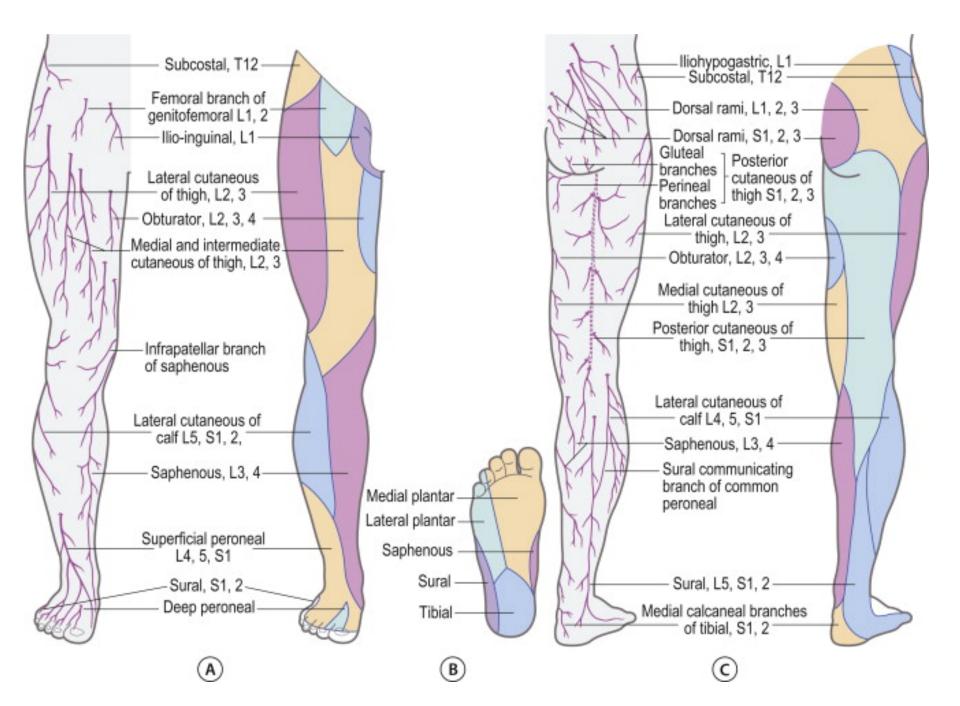


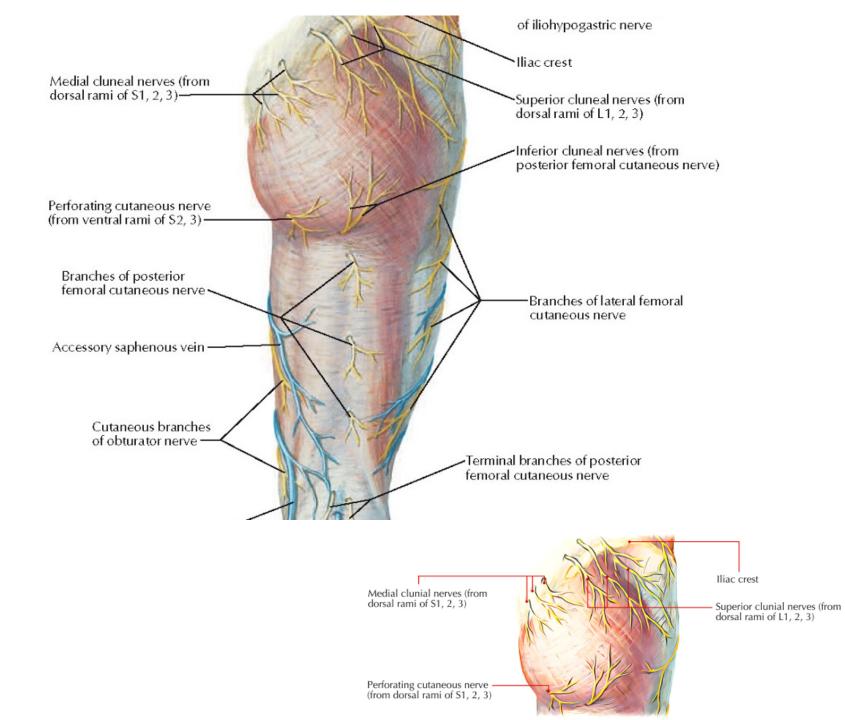


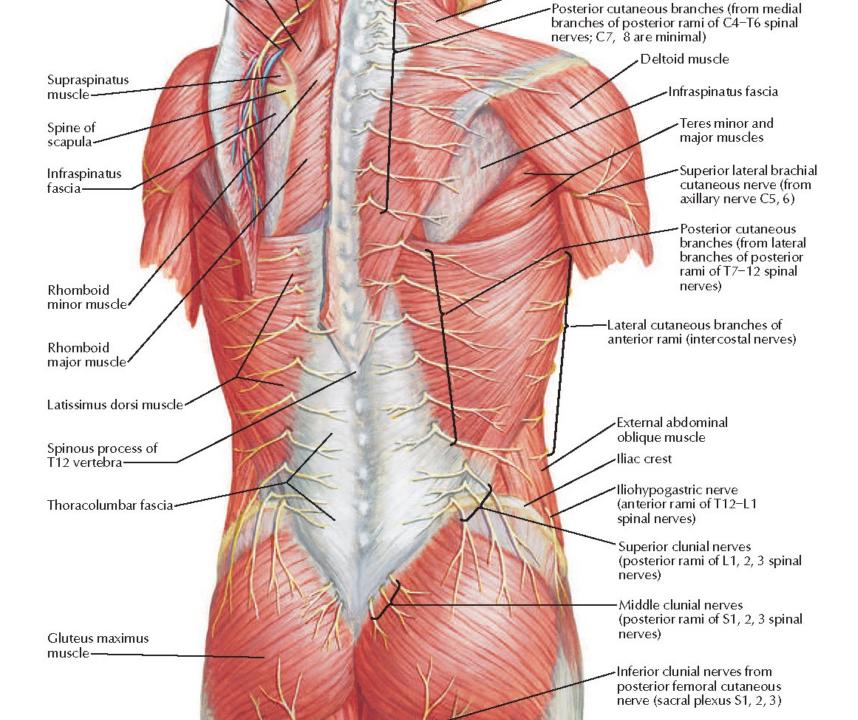
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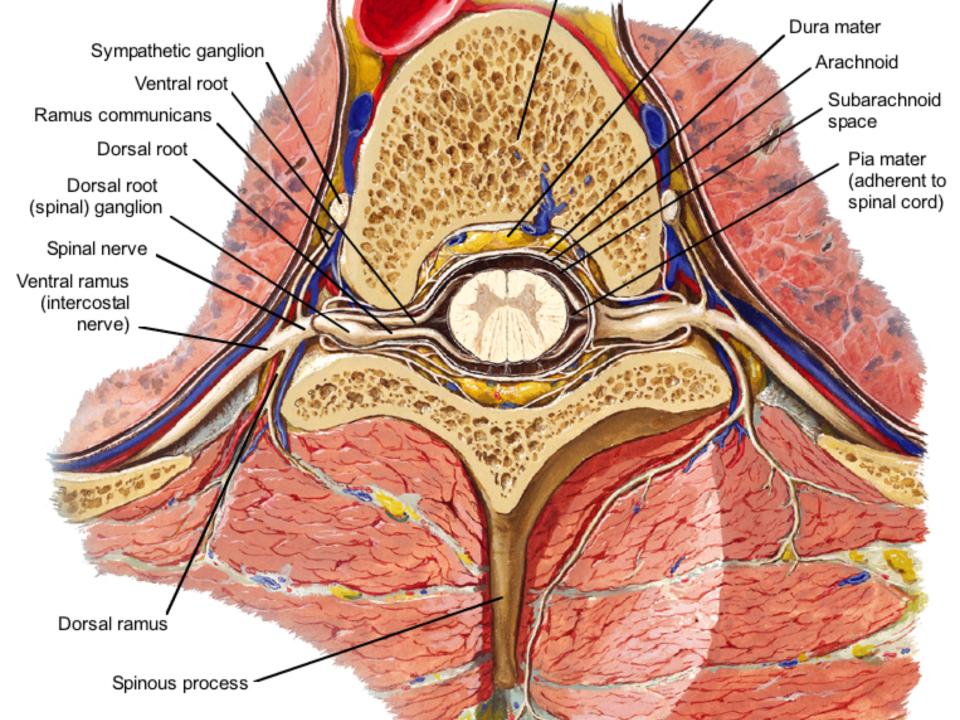


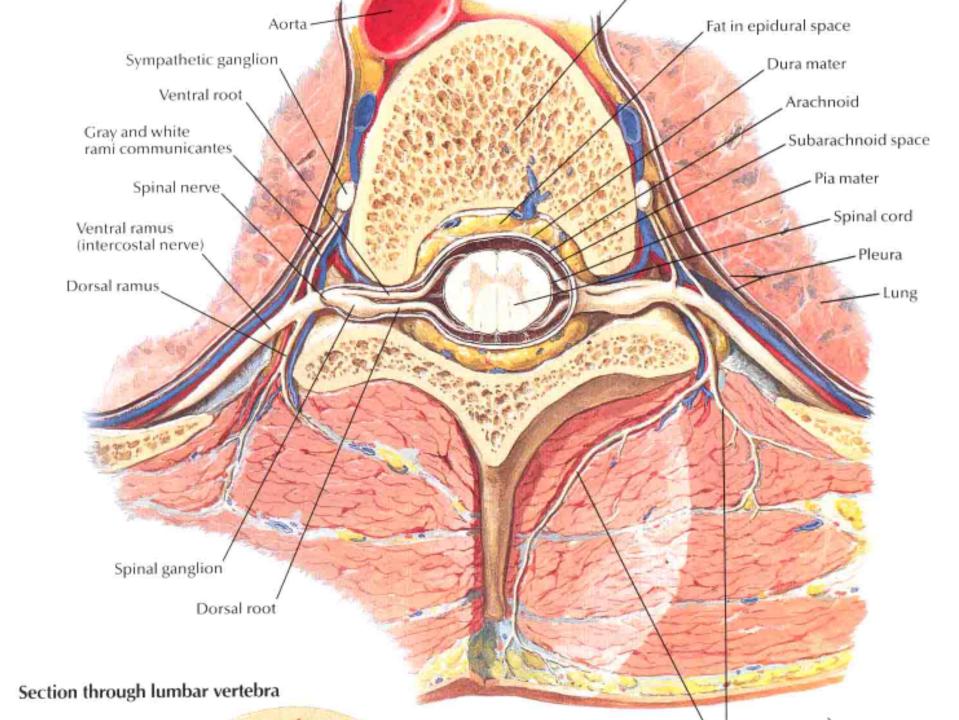
Posterior view with foot plantar flexed

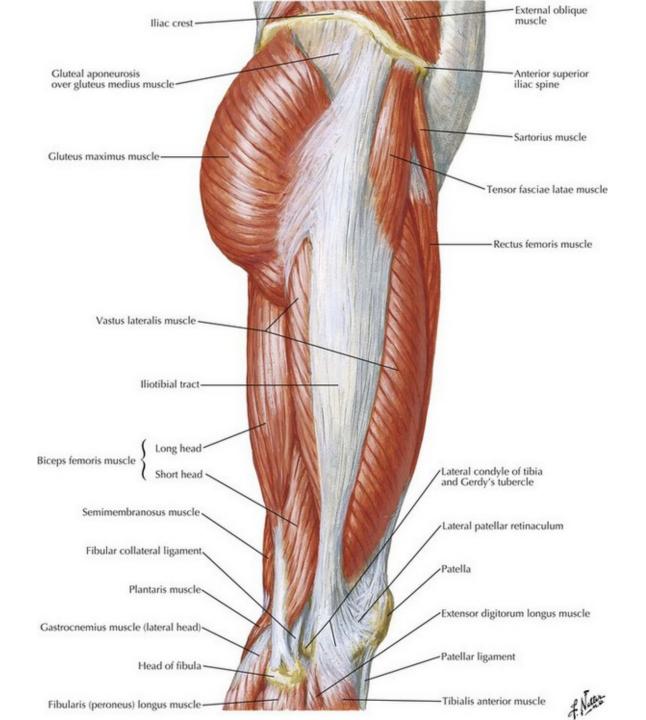


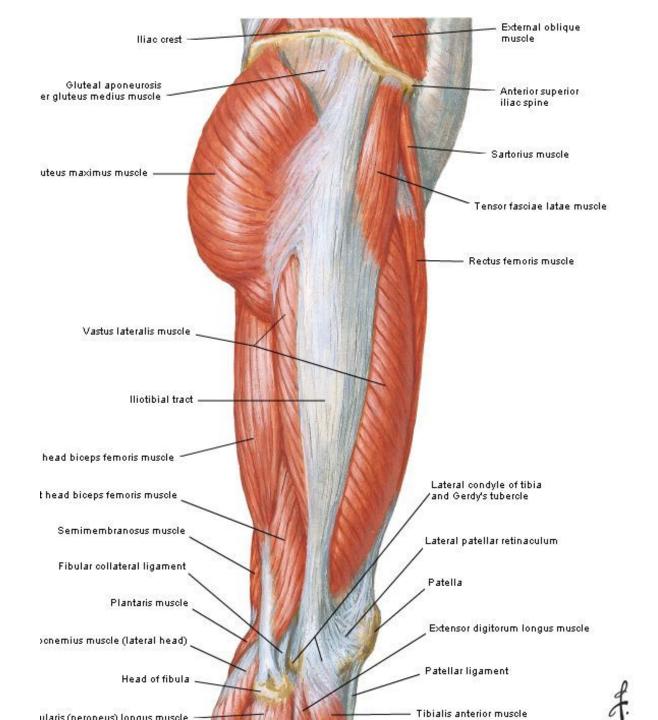


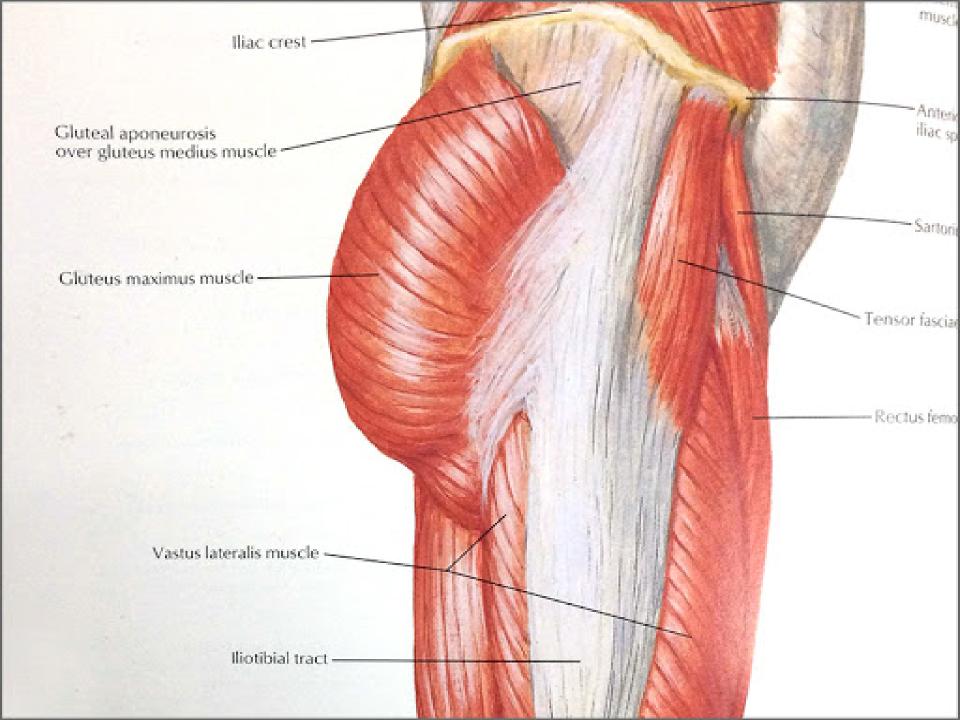




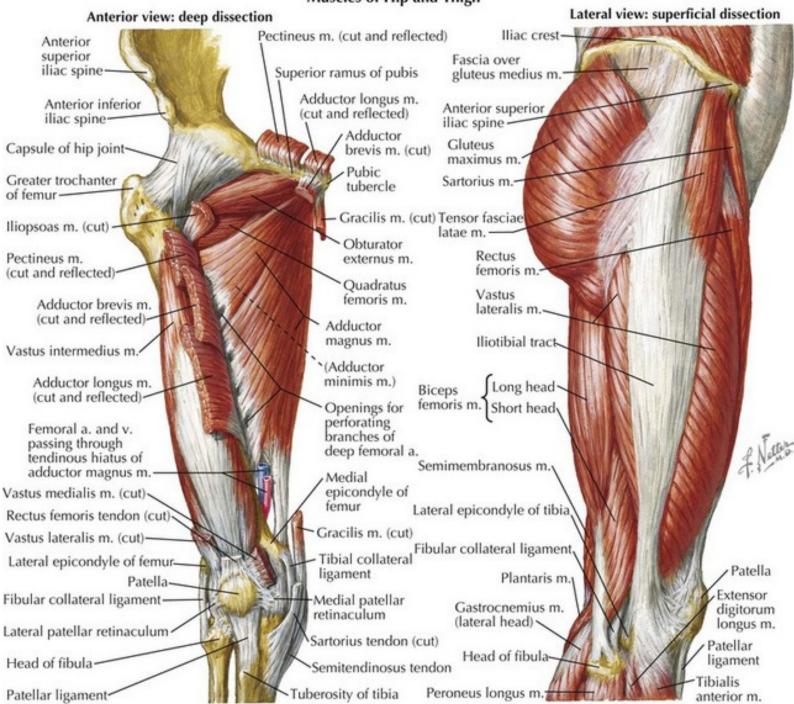


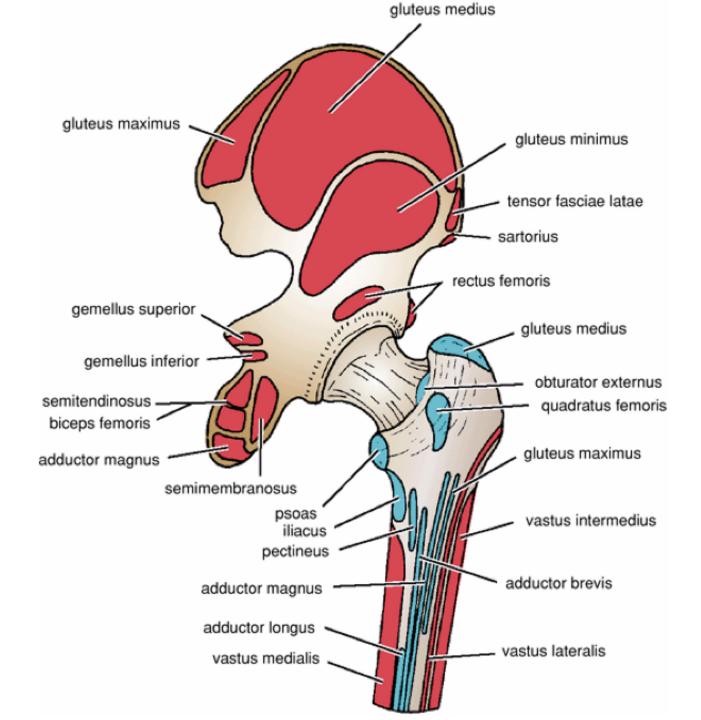


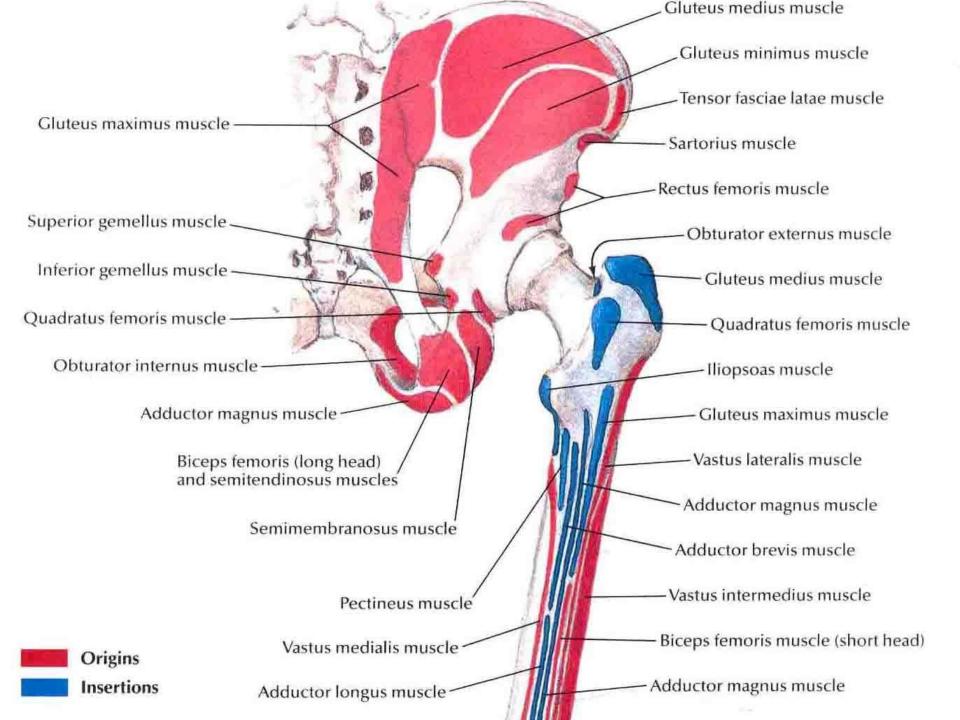


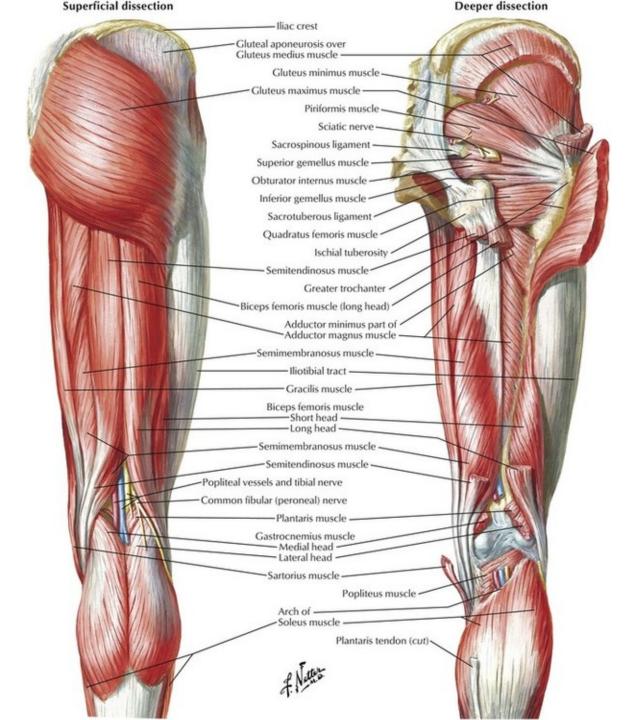


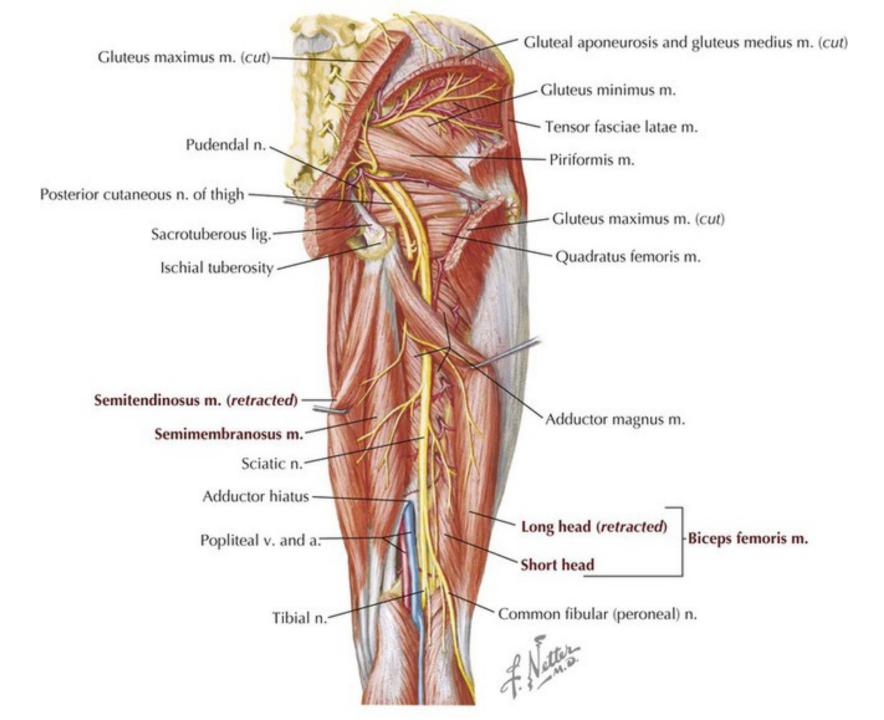
Muscles of Hip and Thigh

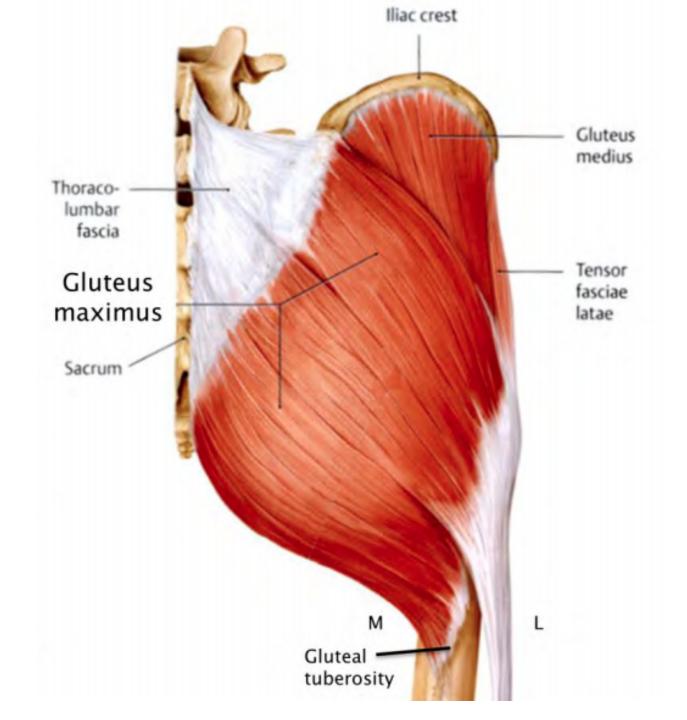






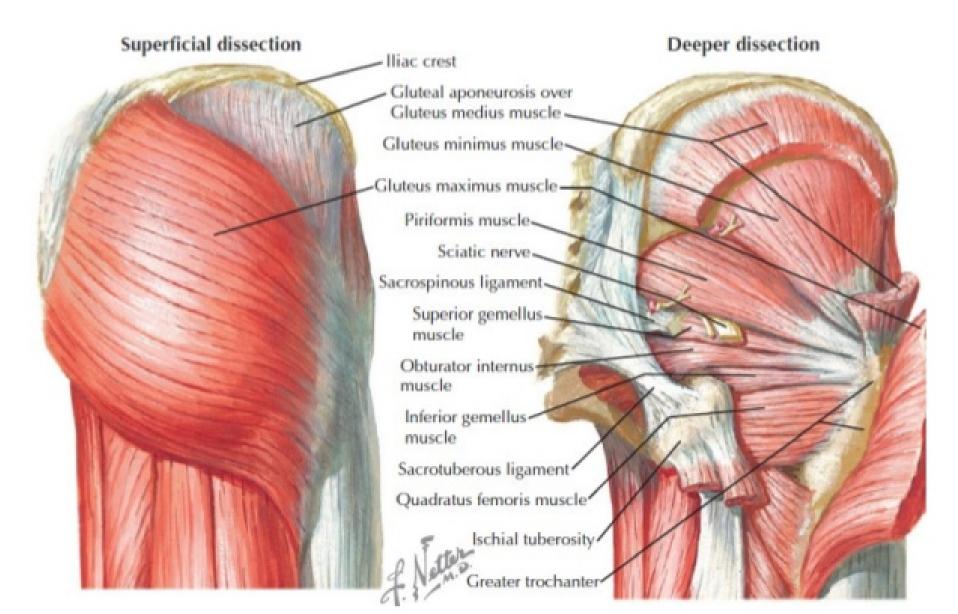


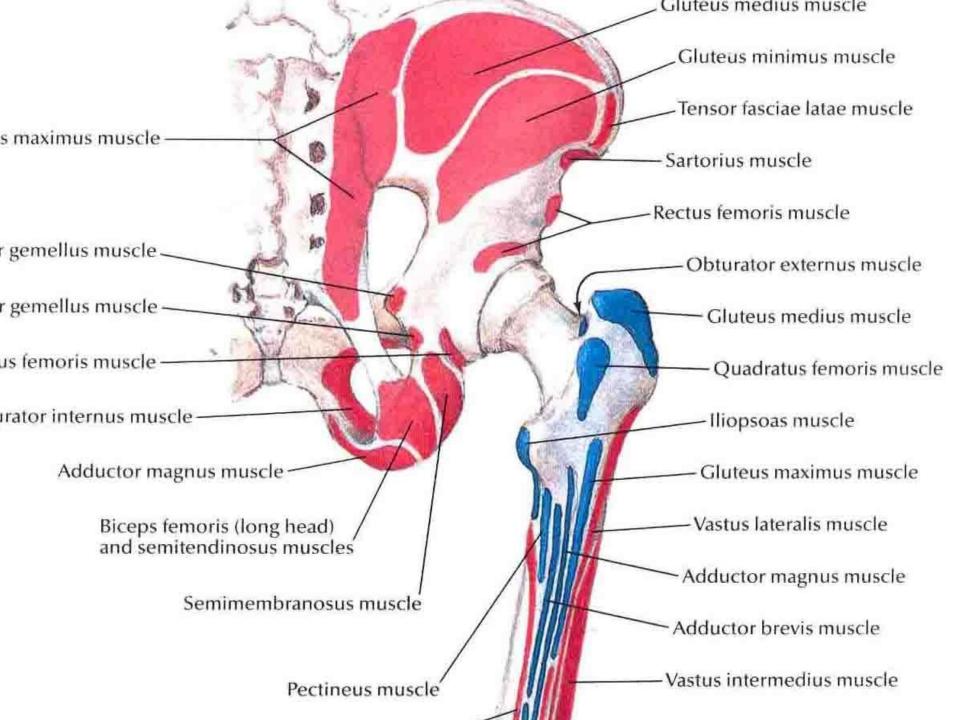


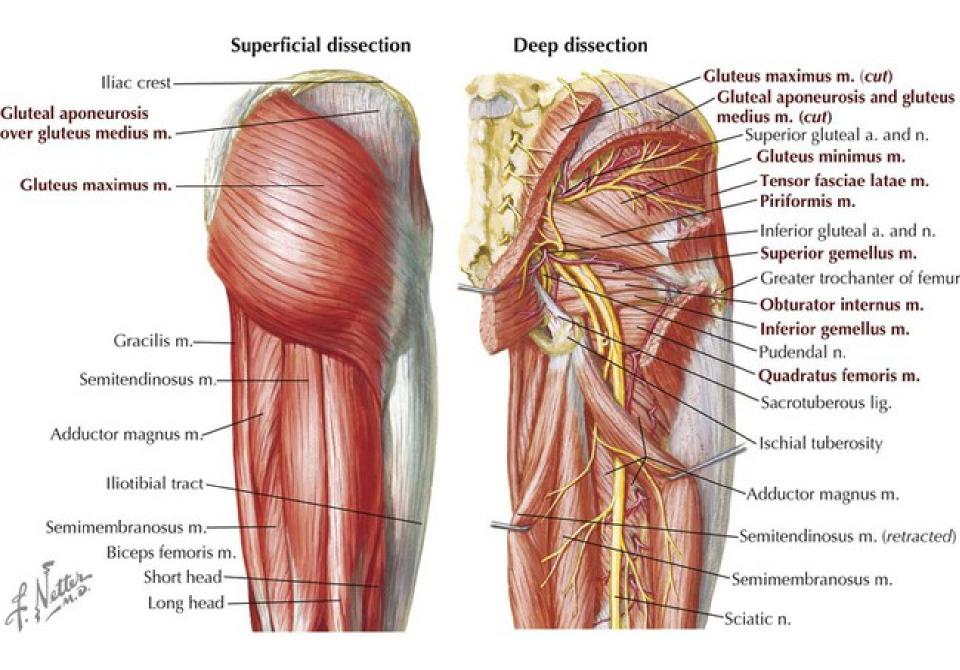


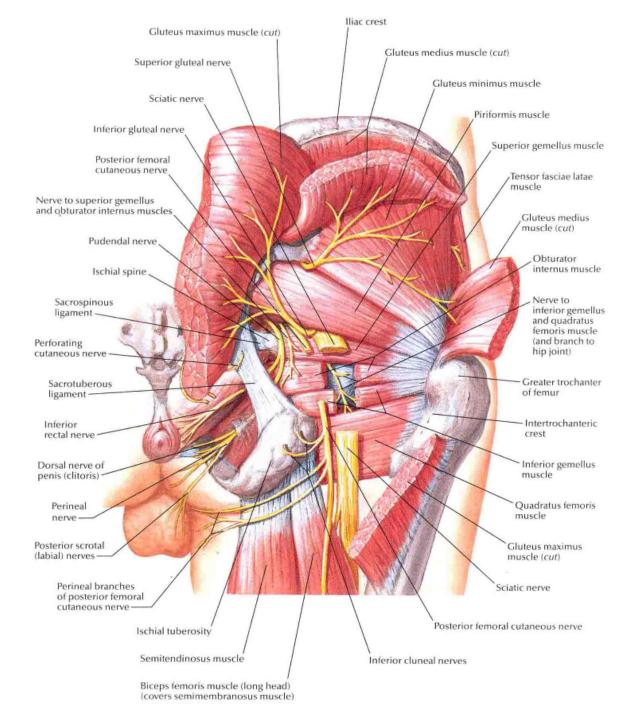
Iliac crest -Gluteal aponeurosis over Gluteus medius muscle -Gluteus minimus muscle -Gluteus maximus muscle · Piriformis muscle Sciatic nerve Sacrospinous ligament -Superior gemellus muscle · Obturator internus muscle Inferior gemellus muscle Sacrotuberous ligament Quadratus femoris muscle Ischial tuberosity Semitendinosus muscle Greater trochanter Biceps femoris muscle (long head)

Gluteal Muscles







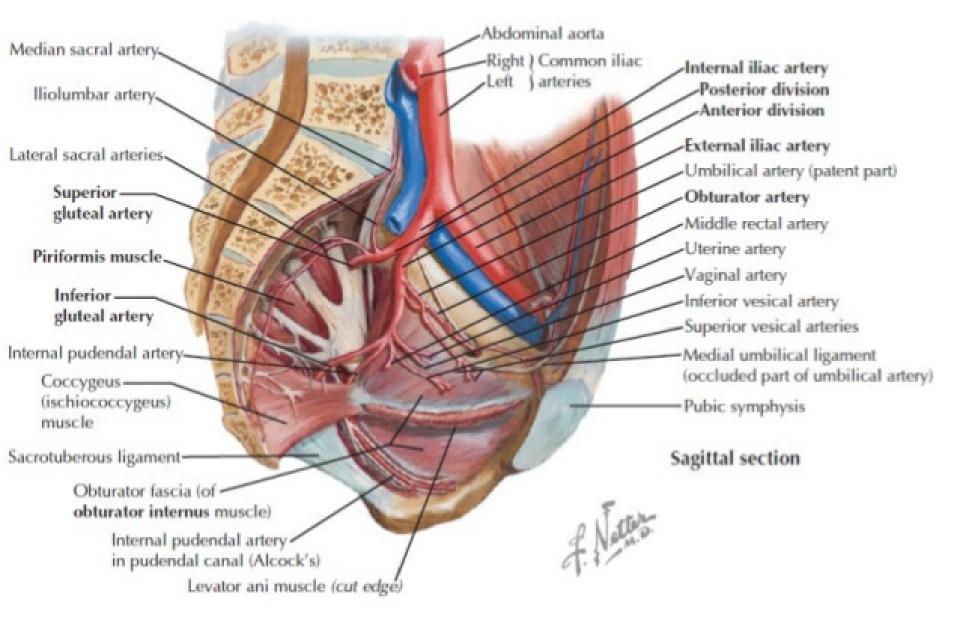


Nerves of Buttock Gluteus maximus m. Superior gluteal n. Gluteus medius m. Sciatic n. Gluteus minimus m. Inferior gluteal n. Tensor fasciae latae m. Posterior femoral cutaneous n., Piriformis m. Gluteus medius m. Nerve to superior gemellus and obturator internus mm. Superior gemellus m. Pudendal n.~ Obturator internus m. Ischial spine and sacrospinal ligament -Inferior gemellus m. Perforating cutaneous n.-Greater trochanter of femur Nerve to inferior gemellus and quadratus femoris mm.-(twig to hip joint) Ischial tuberosity and sacrotuberal ligament Inferior rectal (inferior hemorrhoidal) nn.-Quadratus femoris m. Dorsal n. of penis (clitoris) Gluteus maximus m. Perineal n.-Biceps femoris m. (long head, covering semimembranosus m.) Posterior scrotal (labial) n.-Posterior femoral cutaneous n. Inferior cluneal nn.-Semitendinosus m. Perineal branches of posterior femoral cutaneous n. Sciatic n.

Deep dissection

Superior clunial nerves	a toler	Iliac crest
	WARK NEW	Chuteal anonautopia and
Gluteus maximus muscle (cut)		Gluteal aponeurosis and gluteus medius muscle (cut)
Medial clunial nerves	The spart	Superior gluteal artery and nerve
Inferior gluteal artery and nerve		Gluteus minimus muscle
Pudendal nerve	1 Person	Tensor fasciae latae muscle
Pudendal neive	1. D	Piriformis muscle
Nerve to obturator internus (and superior gemellus)	R	Gluteus medius muscle (cut)
Posterior femoral		Superior gemellus muscle
cutaneous nerve		Greater trochanter of femur
Sacrotuberous ligament		Obturator internus muscle
Ischial tuberosity		Inferior gemellus muscle
Inferior clunial nerves (cut)	TTAXA	Gluteus maximus muscle (cut)
Adductor magnus muscle		Quadratus femoris muscle
Gracilis muscle		Medial circumflex femoral artery
Sciatic nerve		Vastus lateralis muscle and iliotibial tract
Muscular branches of sciatic nerve		Adductor minimus part of adductor magnus muscle
Semitendinosus muscle (retracted)		1st perforating artery (from
Semimembranosus muscle		profunda femoris artery)
Sciatic nerve		Adductor magnus muscle
Articular branch	VIII ALD	2nd and 3rd perforating arteries (from profunda femoris artery)
Periodial Stanon		4th perforating artery (from profunda femoris artery)
Adductor hiatus		Long head (retracted) Biceps femoris
		Short head (muscle
Popliteal vein and artery)
Superior medial genicular artery		Superior lateral genicular artery
Medial epicondyle of femur		Common fibular (peroneal) nerve
Tibial nerve	-+++	Plantaris muscle
		Gastrocnemius muscle (lateral head)
Gastrocnemius muscle (medial head)		Lateral sural cutaneous nerve
Medial sural cutaneous nerve		
Small saphenous vein		

Internal Iliac



Arteries of the pelvis

Common iliac artery 🔵 External iliac artery 🔵

-Some internal supply

inferior epigastric a. 🛵

Accessory obturator a.

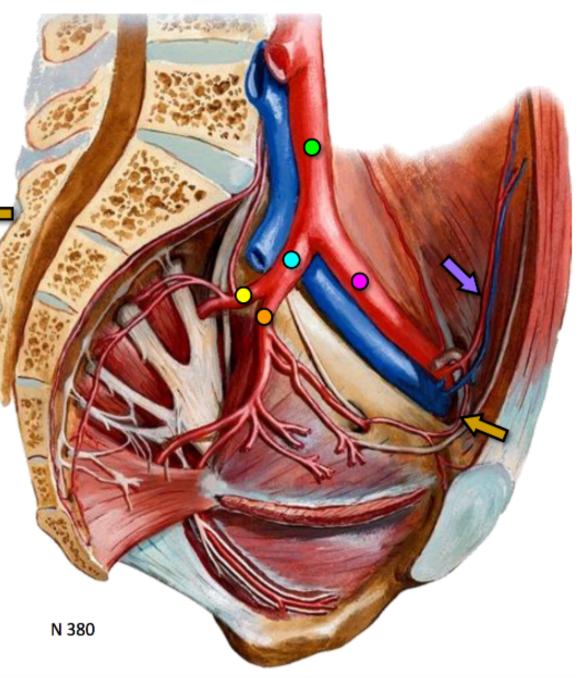
-Becomes *femoral artery* as it passes under the inguinal ligament

Internal iliac artery 🔾

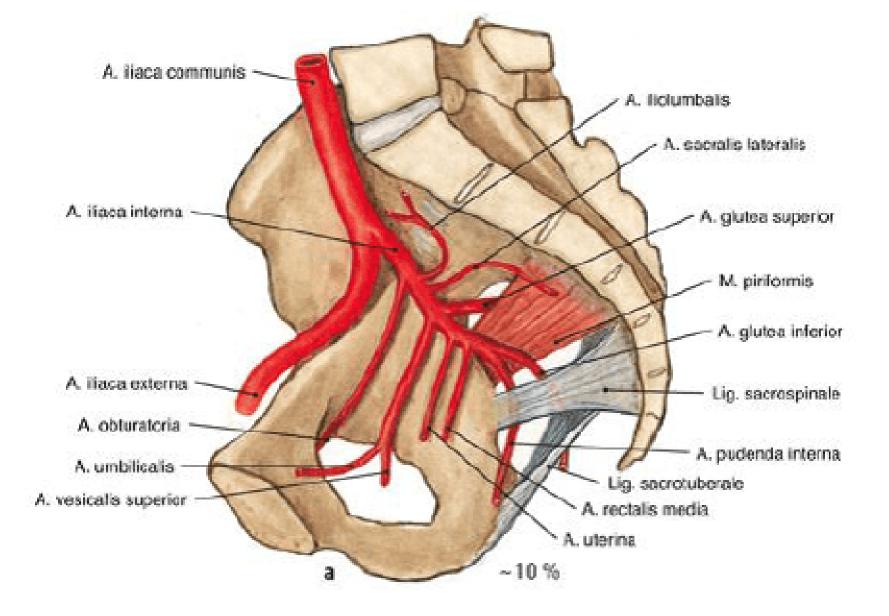
-mixed internal/external supply Anterior division O

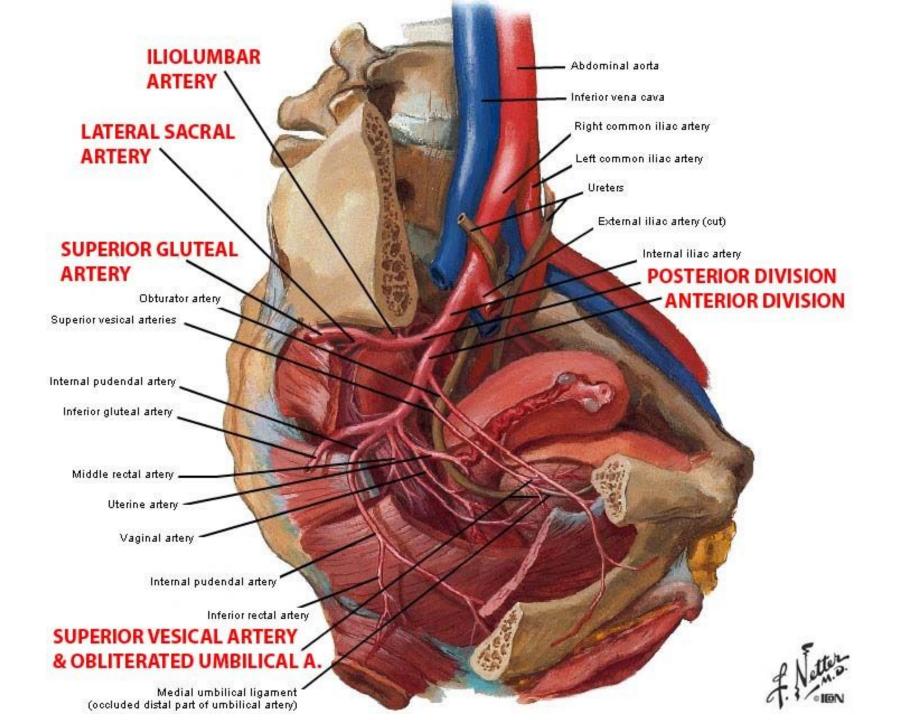
viscera of pelvis & perineum

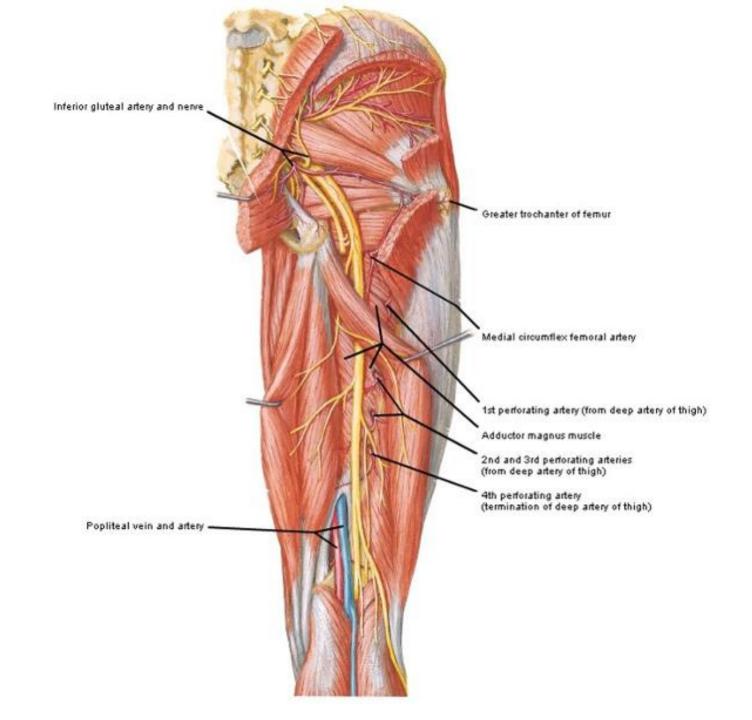
Posterior division posterior wall, gluteal region

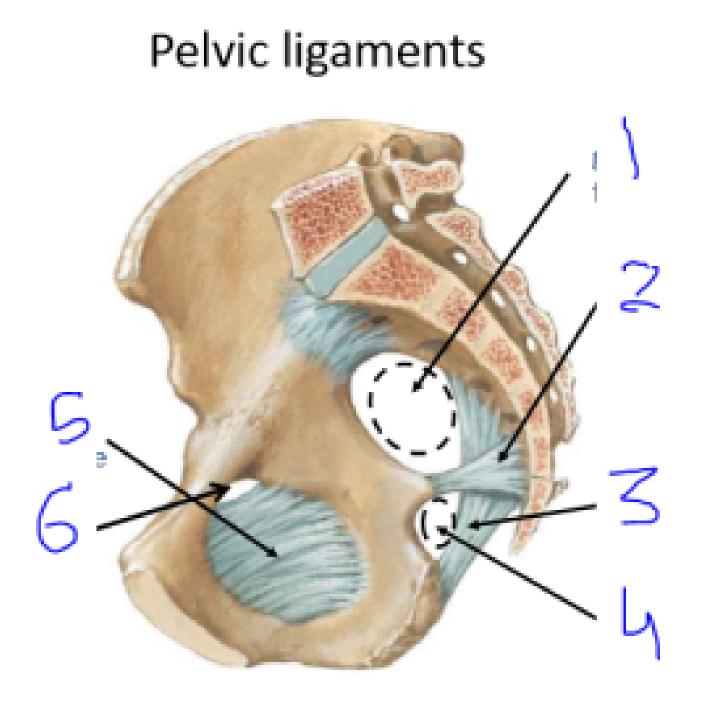


Variation common; look for where the artery is going in addition to where it is from









Relations

Gluteal fascia

Sup. gluteal a.: Suprapiriform foramen

Piriformis m.

Gluteus maximus m.

Int. pudendal a.; Intrapiriform foramen

> Sacrospinous lig.; ~ Sup. gemellus m.

> > Obturator internus m.

Inf. ramus of pubis; Sacrotuberous lig.

Semimembranosus m.

Adductor magnus m. ~~

Gracilis m. -

Semimembranosus m.

Semitendinosus m.

Biceps femoris m., long head Gluteus medius m.

- Iliac crest

Gluteus minimus m.

Inf. gluteal a.; Sciatic n.

- Ischiofemoral lig.

- Inf. gluteal n.

 Trochanteric bursa beneath gluteus maximus m.

-- Greater trochanter

-- Ischiofemoral lig.

~- Inf. gemellus m.

-- Obturator externus m.

 Trochanteric bursa beneath gluteus maximus m.

Gluteus maximus m.

Lesser trochanter; Iliopsoas m., tendon

Quadratus femoris m.

Adductor brevis m.

Perforating a.

Adductor magnus m.

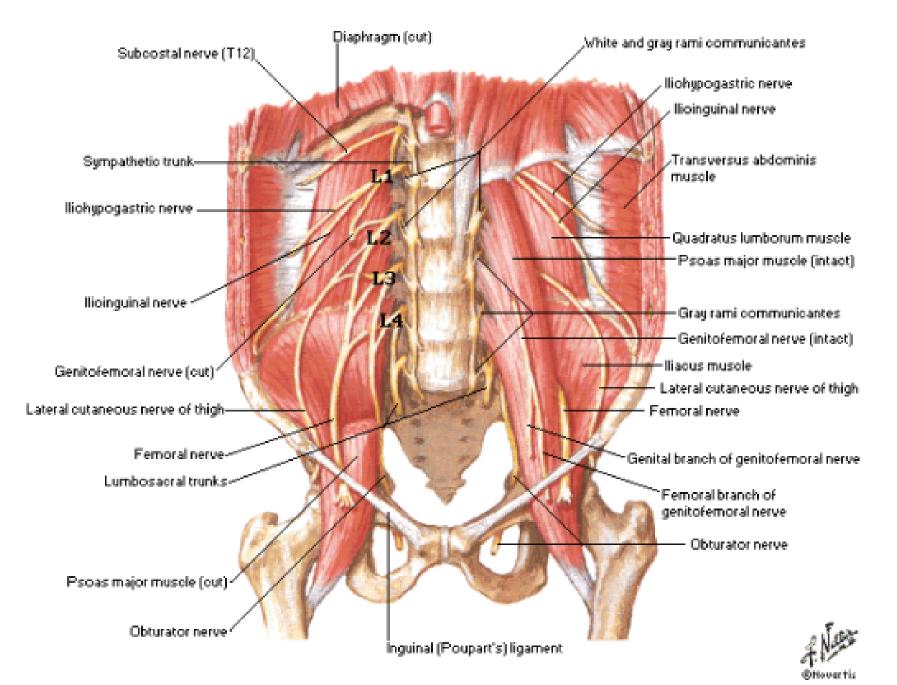
Linea aspera of femur

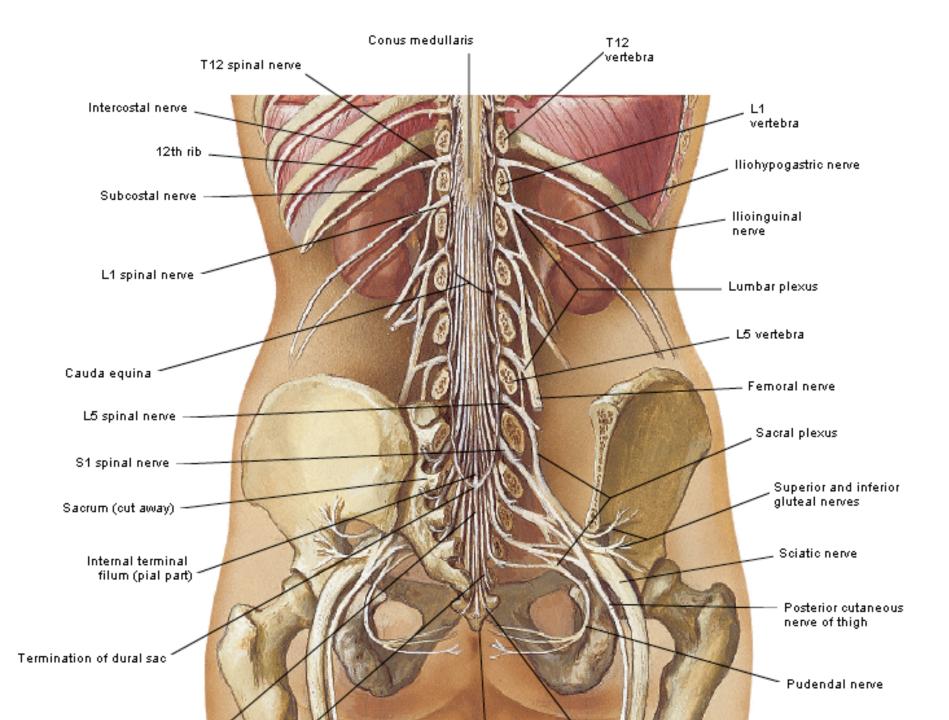
lliotibial tract

Biceps femoris m., short head

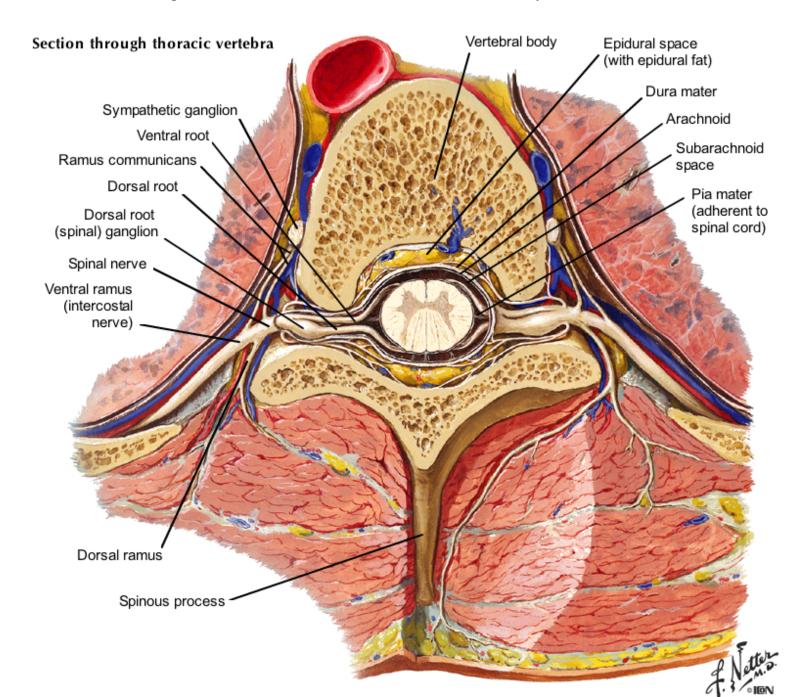


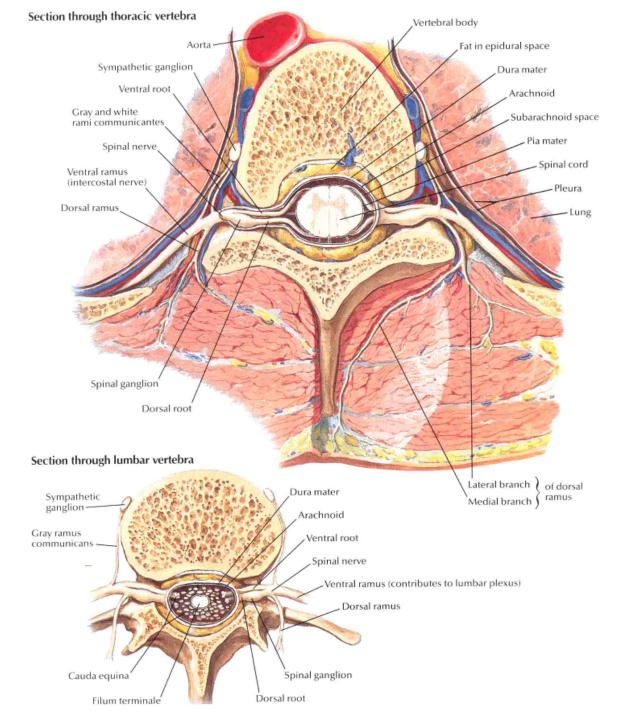
Lumbar Plexus in Situ

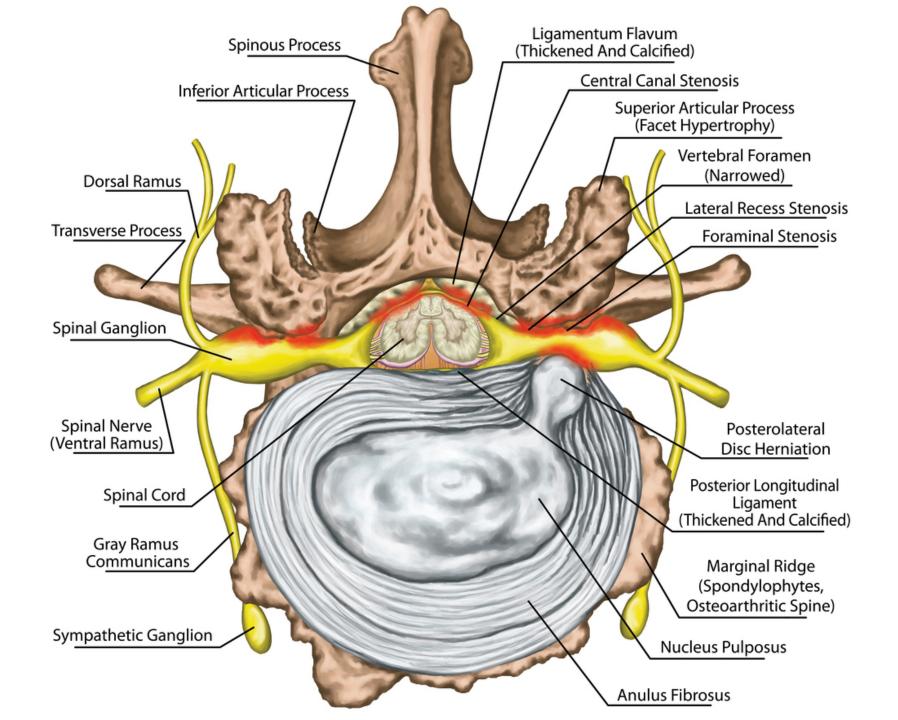


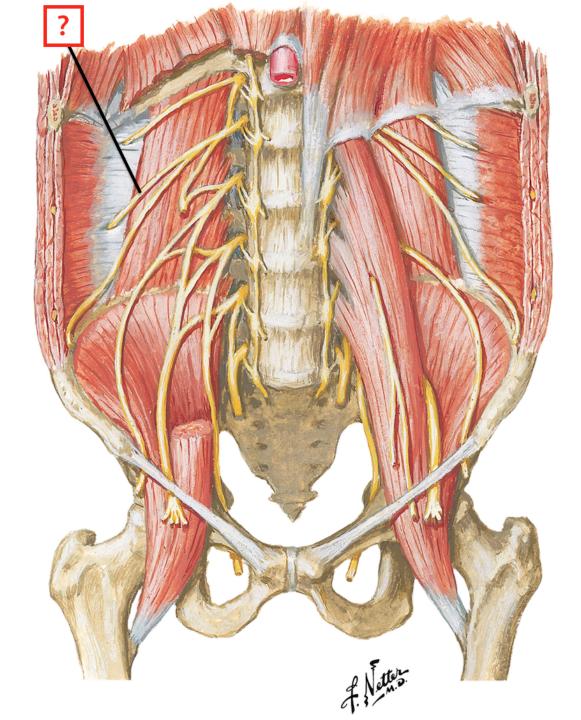


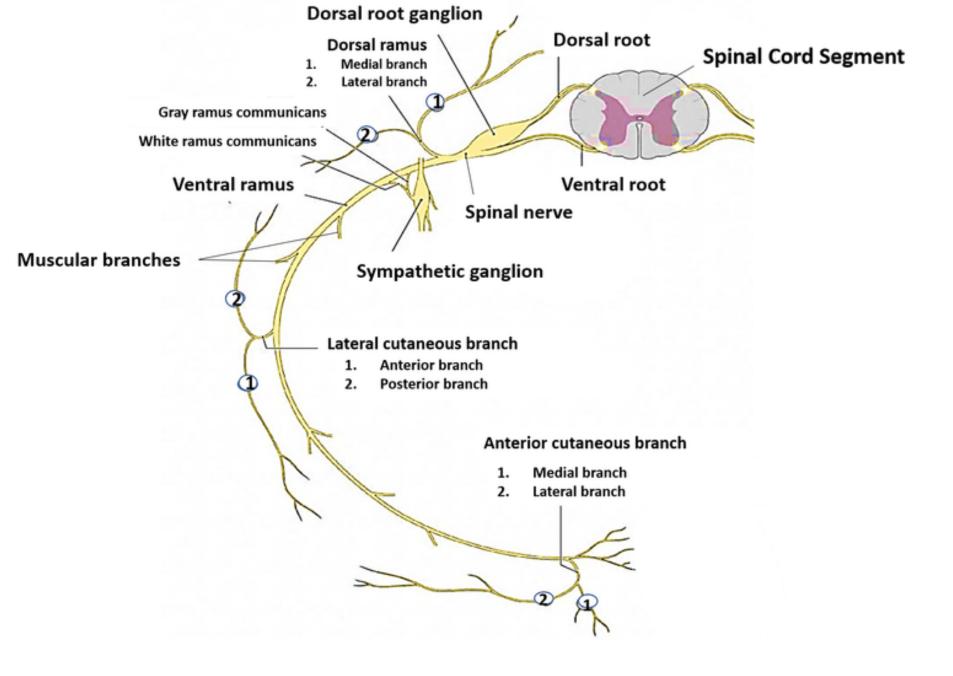
Spinal Cord: Cross-sectional Anatomy In Situ

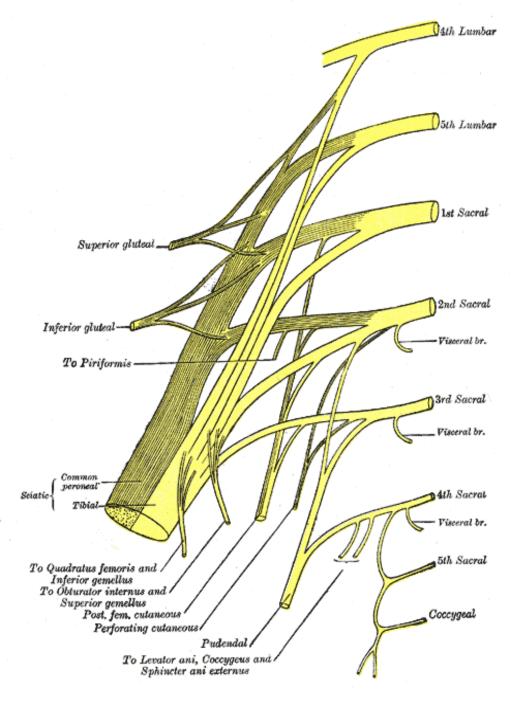


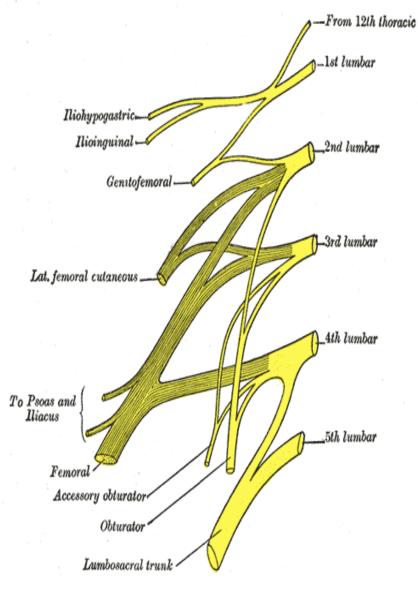


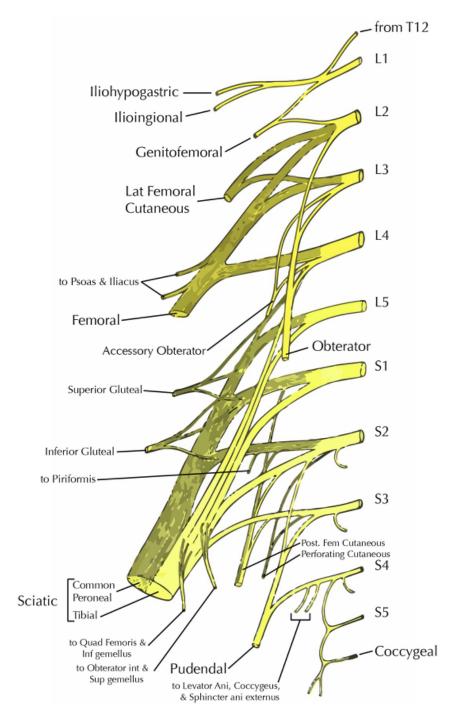


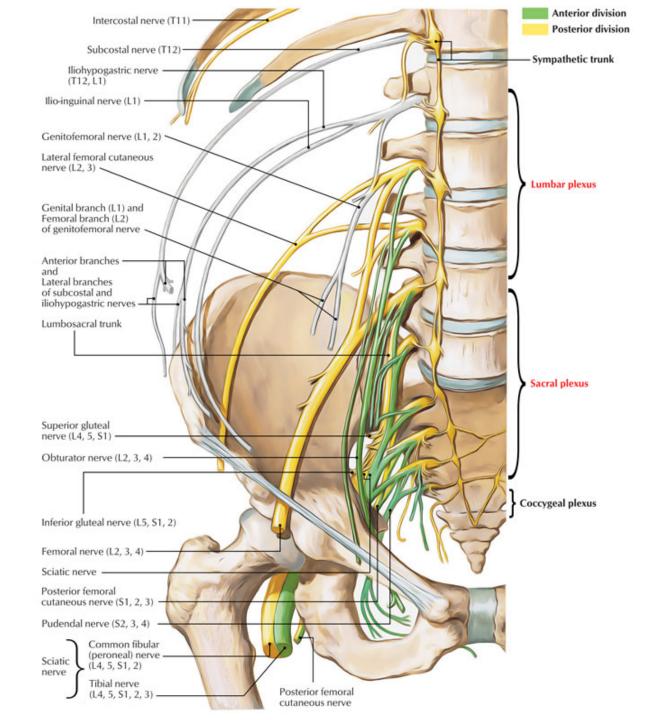


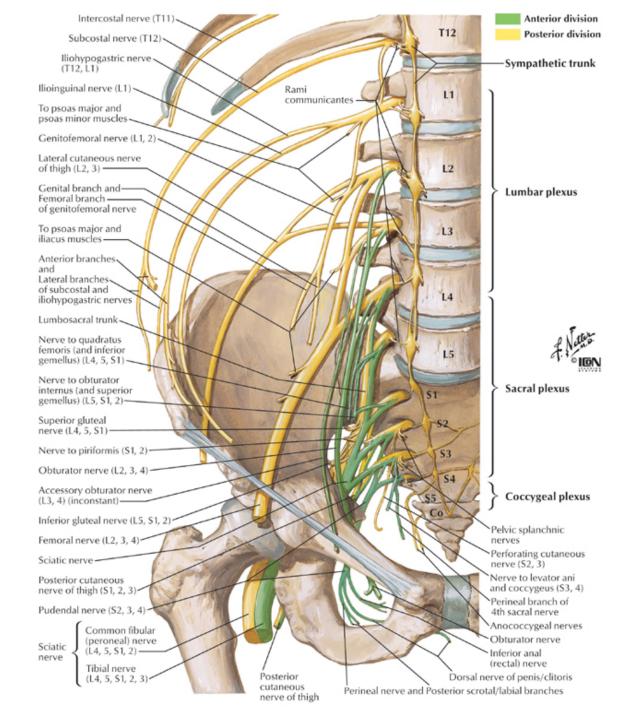


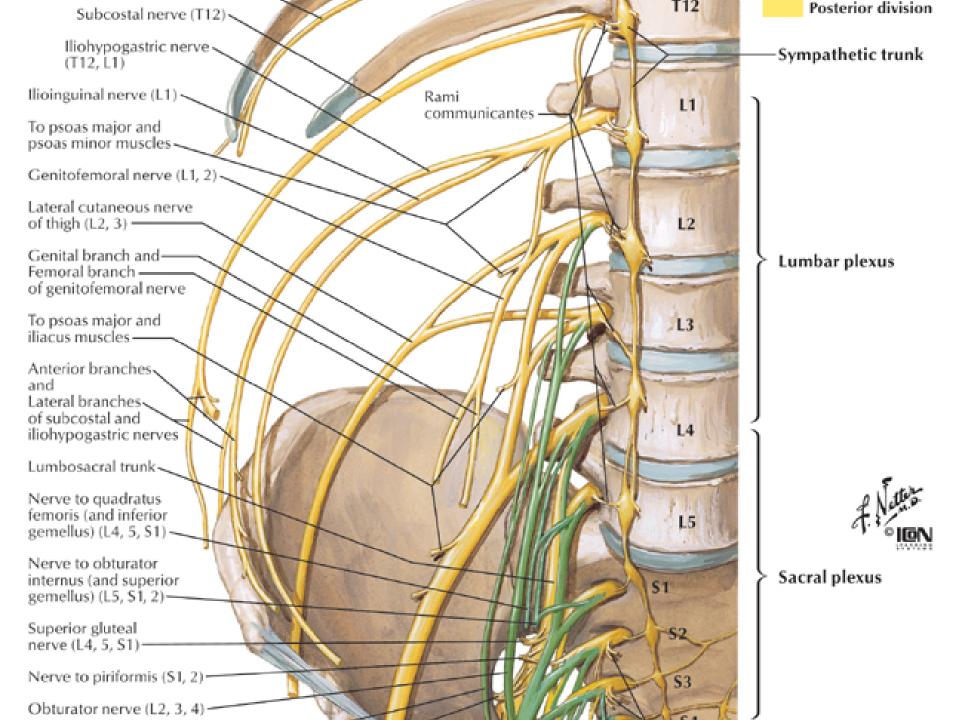


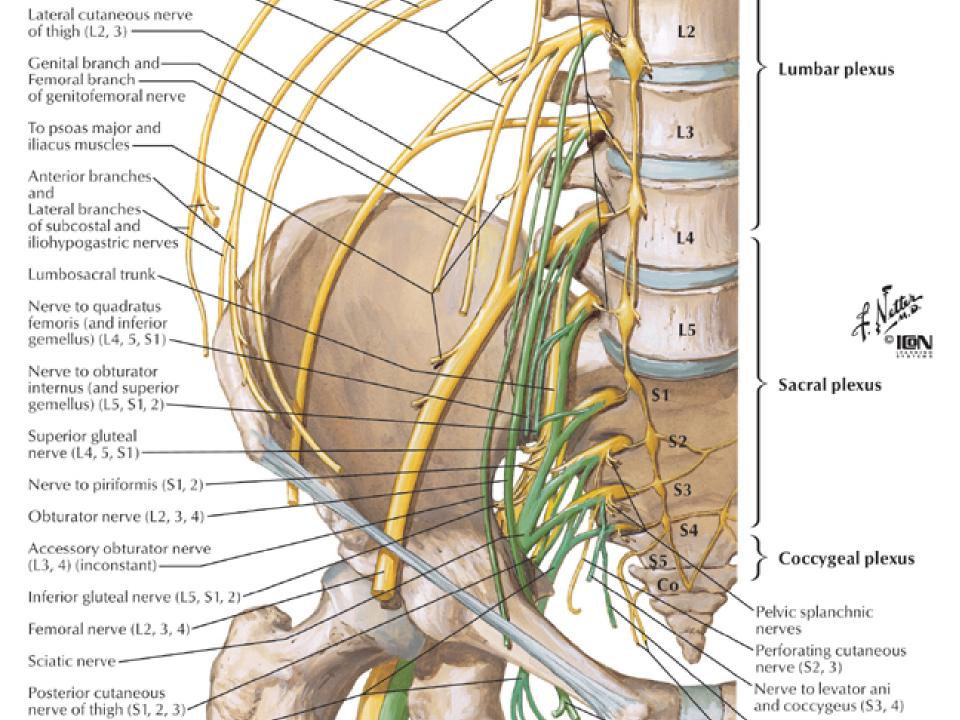


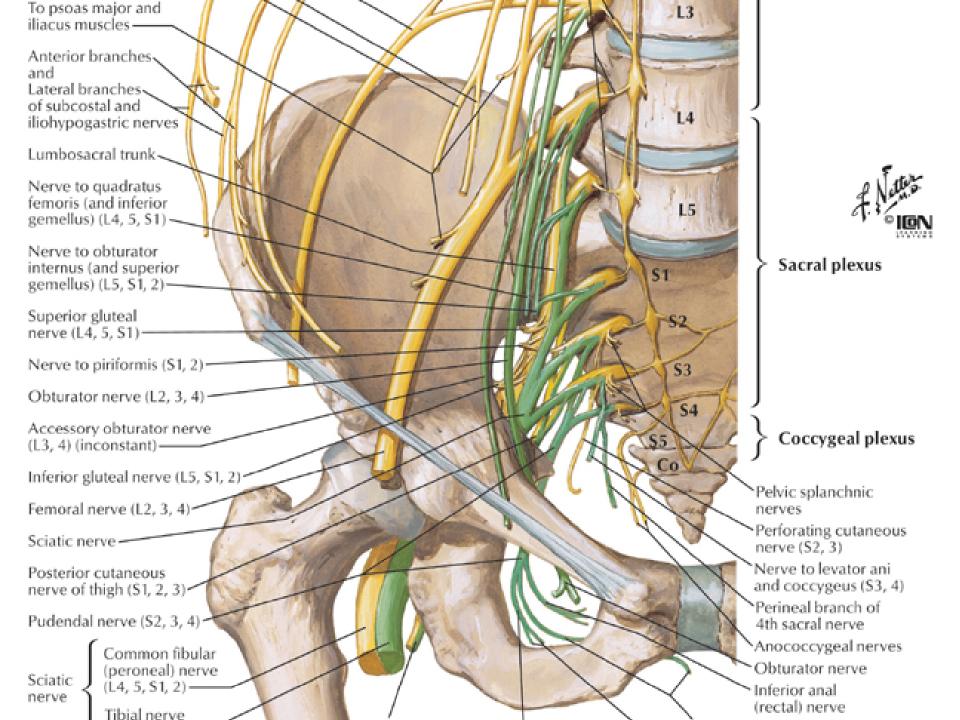


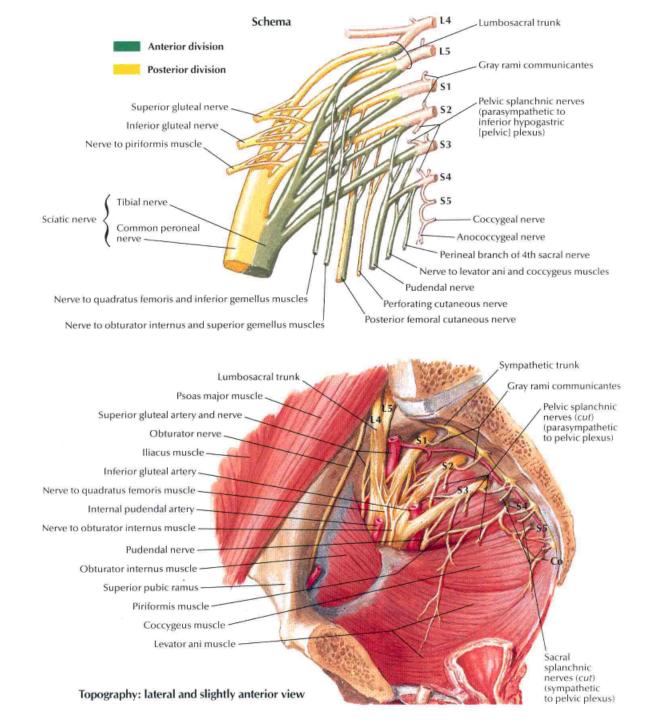


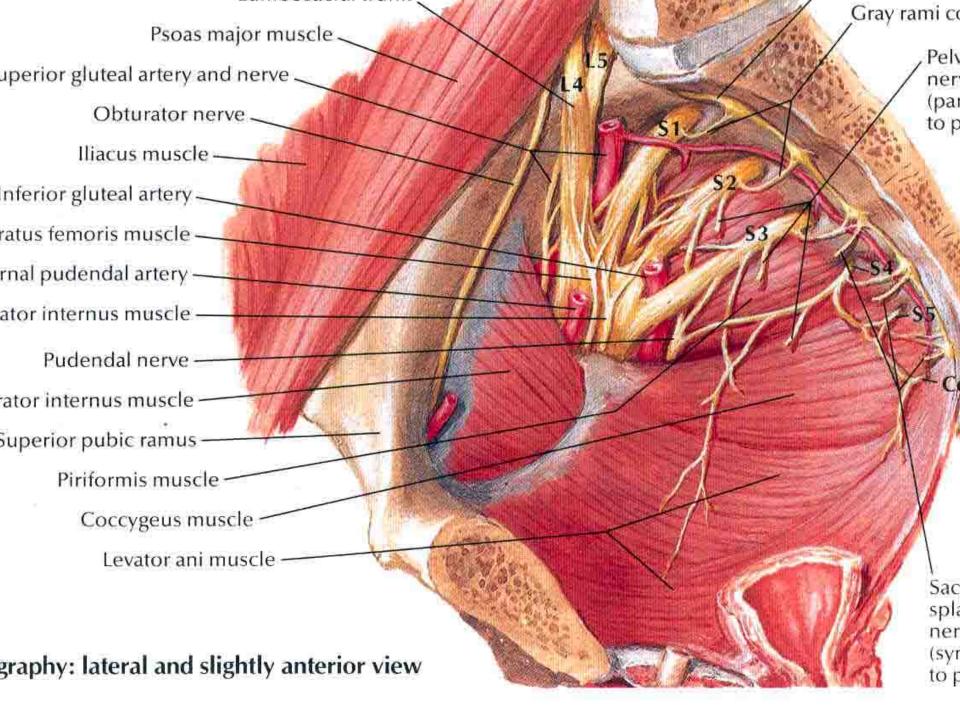




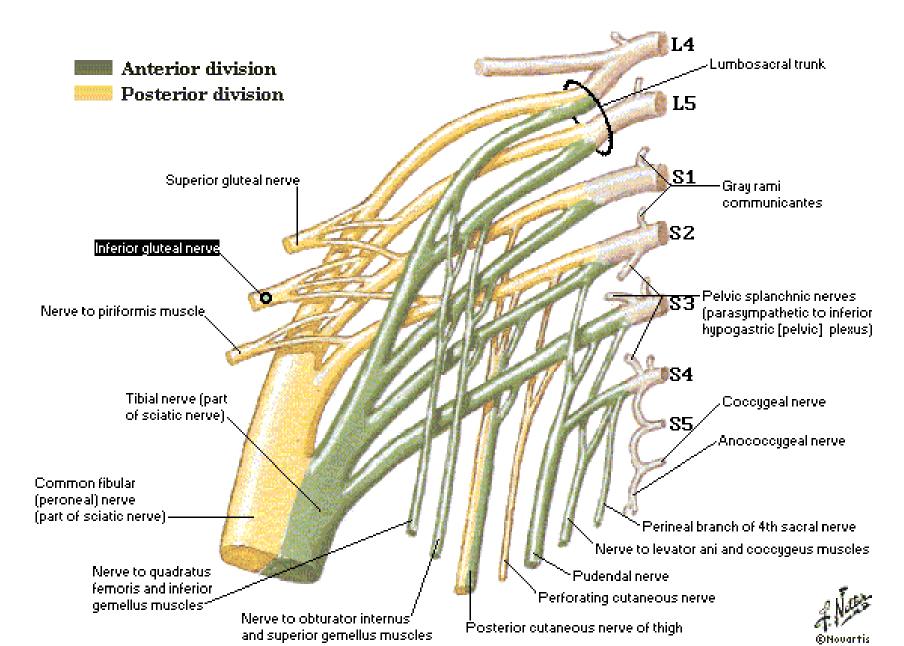






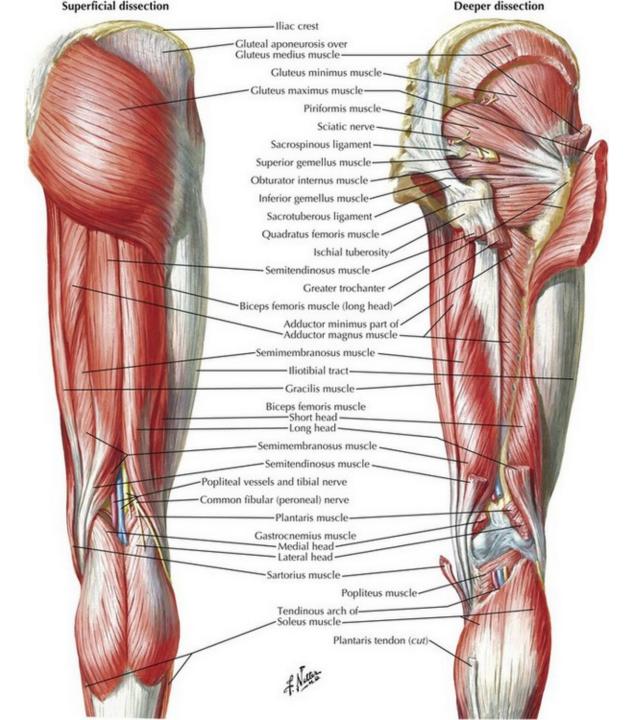


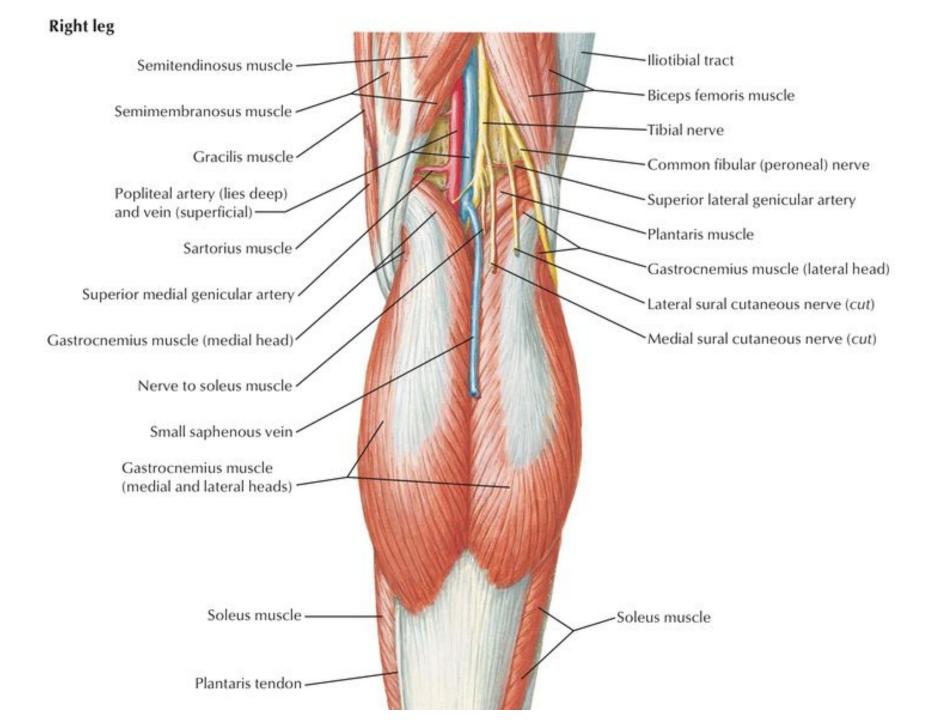
Sacral and Coccygeal Plexuses Schema

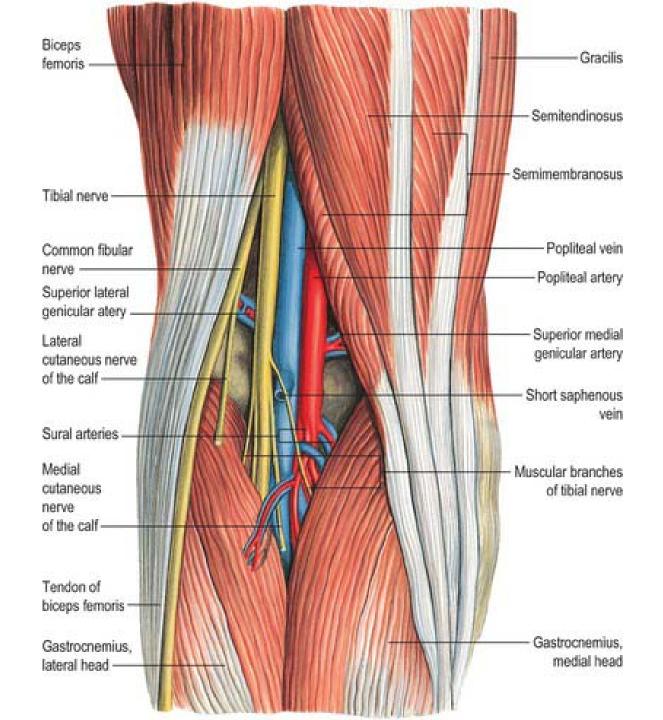


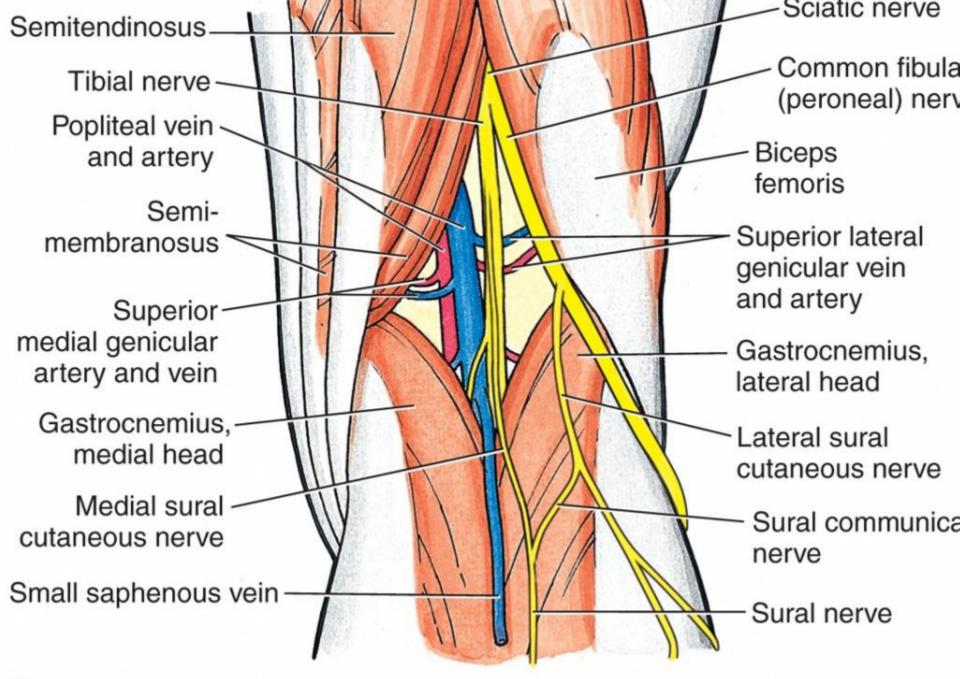
Deep dissection

Superior clunial nerves	a toler	Iliac crest
	WARK NEW	Chuteal anonautopia and
Gluteus maximus muscle (cut)		Gluteal aponeurosis and gluteus medius muscle (cut)
Medial clunial nerves	The spart	Superior gluteal artery and nerve
Inferior gluteal artery and nerve		Gluteus minimus muscle
Pudendal nerve	1 Person	Tensor fasciae latae muscle
Pudendal neive	1. D	Piriformis muscle
Nerve to obturator internus (and superior gemellus)	R	Gluteus medius muscle (cut)
Posterior femoral		Superior gemellus muscle
cutaneous nerve		Greater trochanter of femur
Sacrotuberous ligament		Obturator internus muscle
Ischial tuberosity		Inferior gemellus muscle
Inferior clunial nerves (cut)	TTAXA	Gluteus maximus muscle (cut)
Adductor magnus muscle		Quadratus femoris muscle
Gracilis muscle		Medial circumflex femoral artery
Sciatic nerve		Vastus lateralis muscle and iliotibial tract
Muscular branches of sciatic nerve		Adductor minimus part of adductor magnus muscle
Semitendinosus muscle (retracted)		1st perforating artery (from
Semimembranosus muscle		profunda femoris artery)
Sciatic nerve		Adductor magnus muscle
Articular branch	VIII ALD	2nd and 3rd perforating arteries (from profunda femoris artery)
Periodial Stanon		4th perforating artery (from profunda femoris artery)
Adductor hiatus		Long head (retracted) Biceps femoris
		Short head (muscle
Popliteal vein and artery)
Superior medial genicular artery		Superior lateral genicular artery
Medial epicondyle of femur		Common fibular (peroneal) nerve
Tibial nerve	-+++	Plantaris muscle
		Gastrocnemius muscle (lateral head)
Gastrocnemius muscle (medial head)		Lateral sural cutaneous nerve
Medial sural cutaneous nerve		
Small saphenous vein		

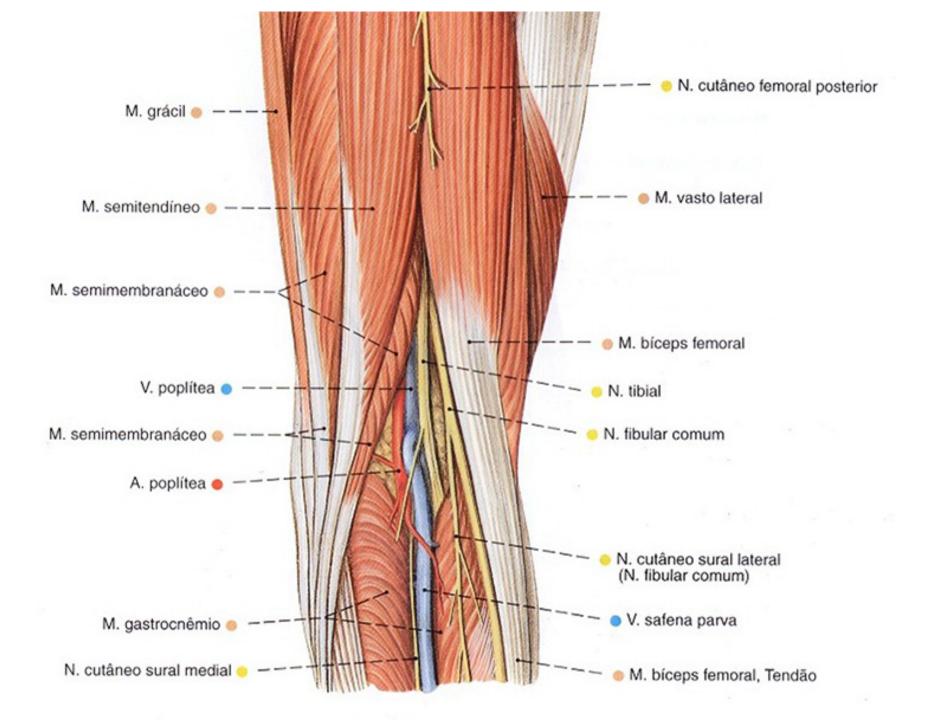


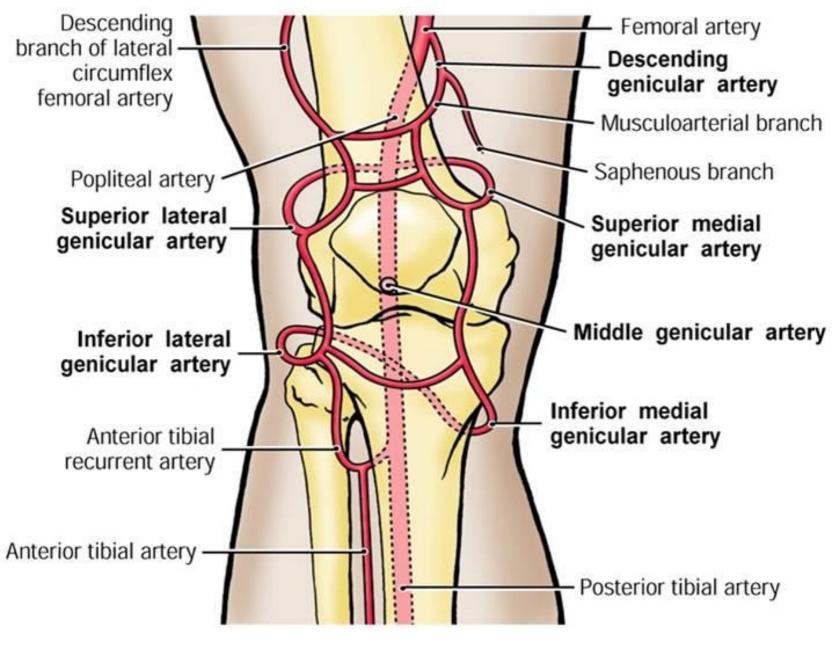






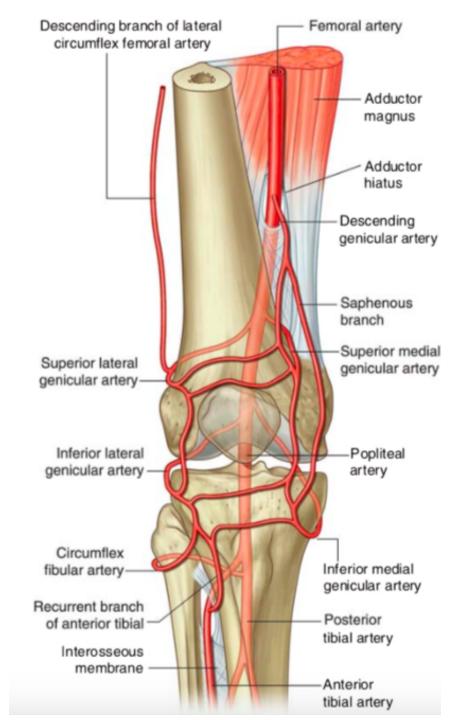
C Posterior view





A. Anterior View

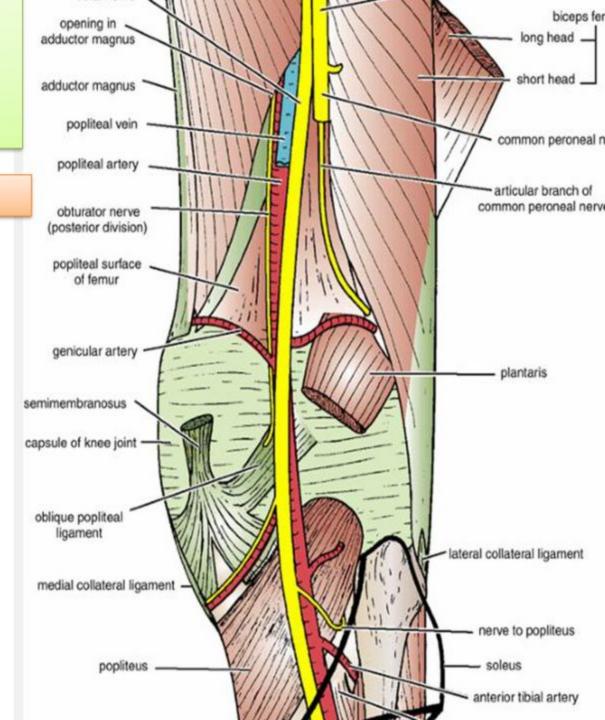
Copyright @ 2009 Wolters Kluwer Health | Lippincott Williams & Wilkins

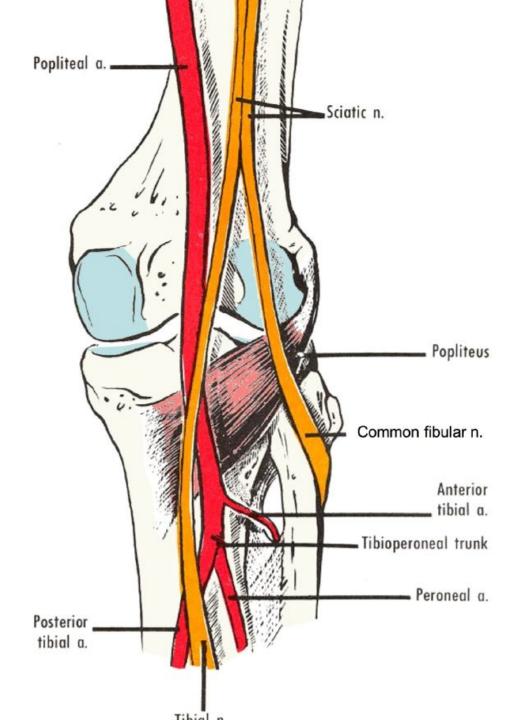


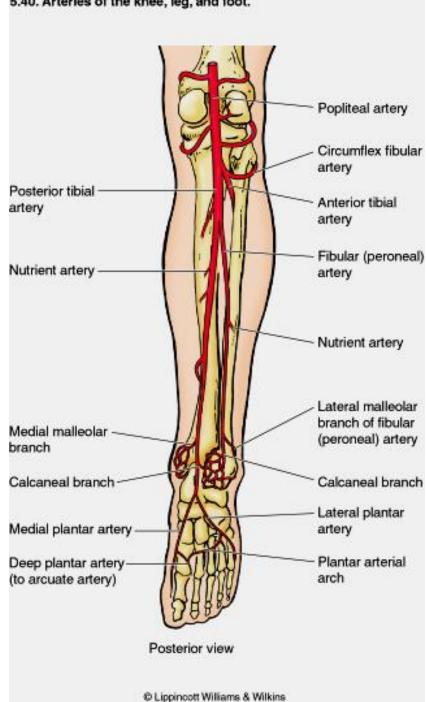
Jossa Popliteal artery and vein The common peroneal nerve Tibial nerve

he popliteal artery

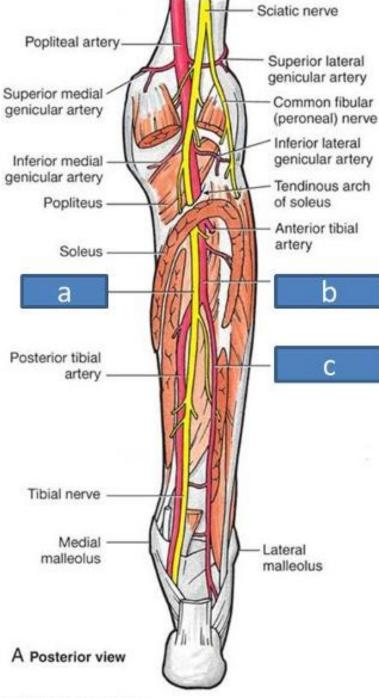
AT the middle of the fossa The popliteal artery is the deepest structure While the vein is intermediate and the tibial nerve Is most superficial



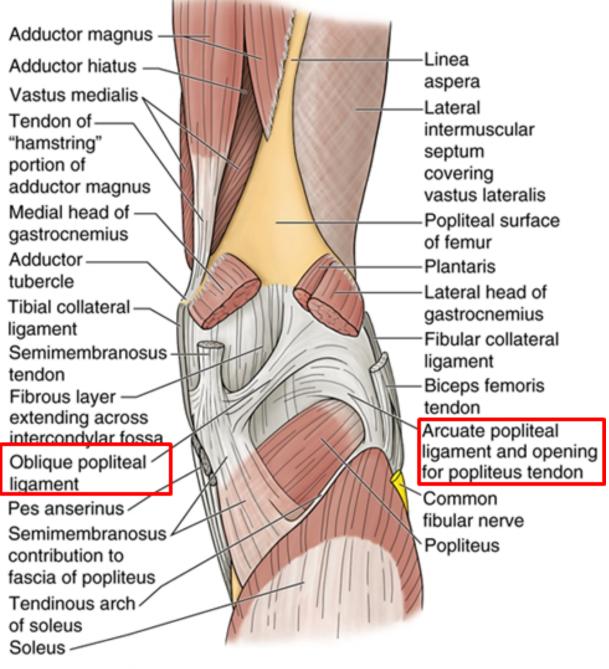




5.40. Arteries of the knee, leg, and foot.

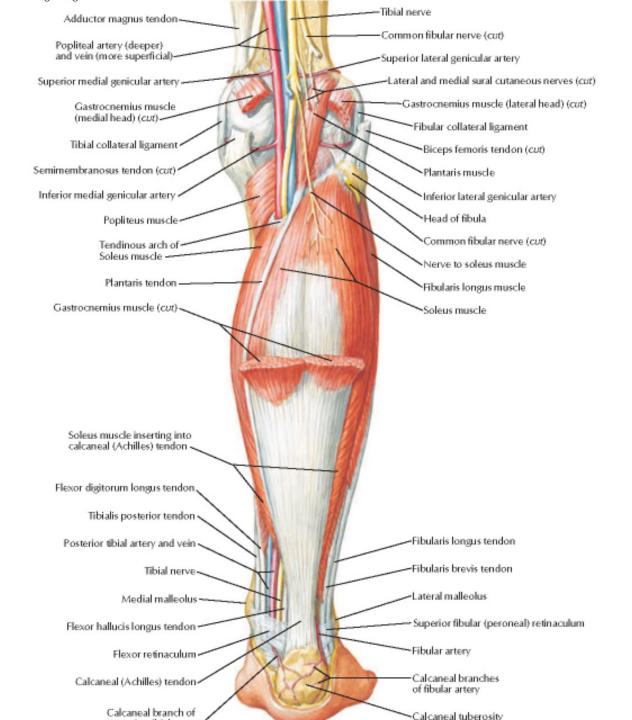


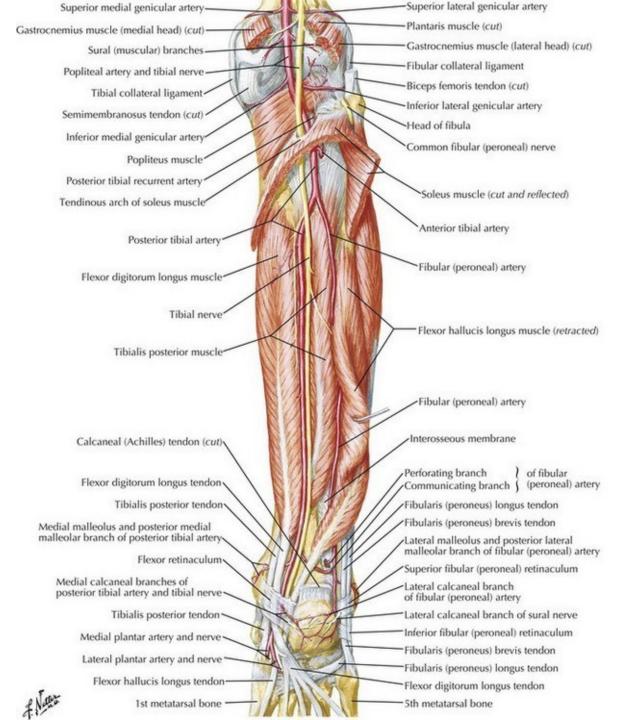
Suppoped & 2011 Michael States Hadde (), pproval latitudes & sectors

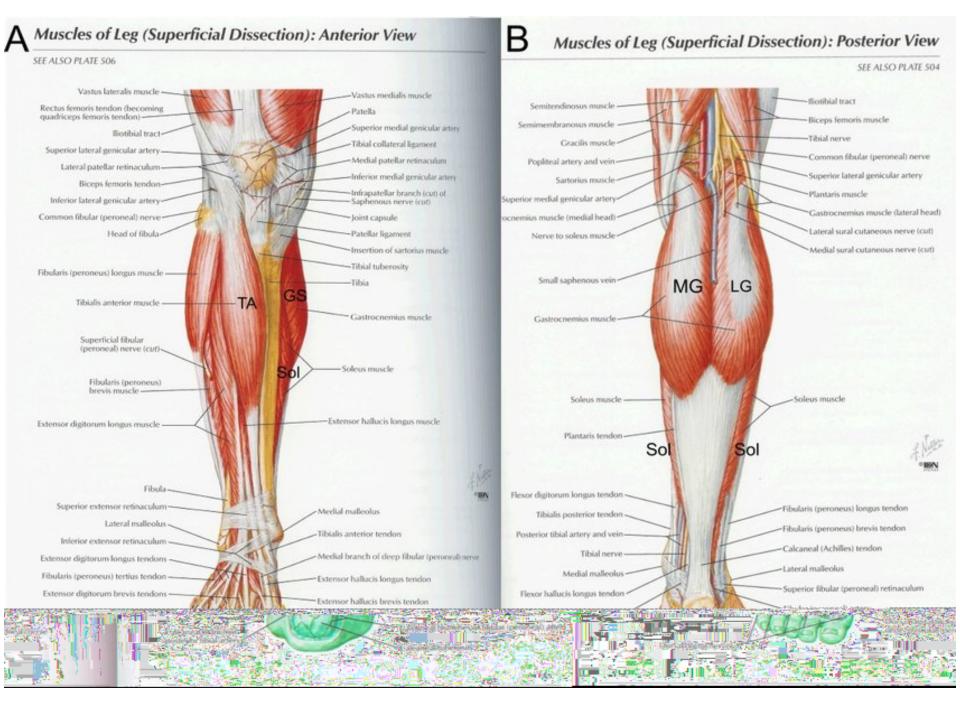


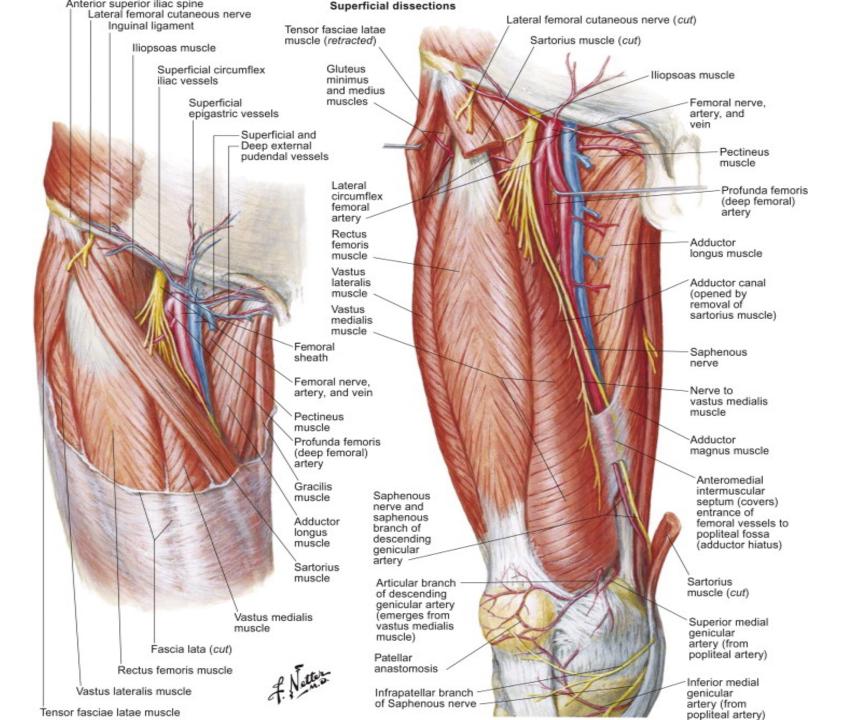
(B) Posterior view

Semitendinosus muscle Iliotibial tract Semimembranosus muscle Biceps femoris muscle Tibial nerve Gracilis muscle Common fibular (peroneal) nerve Popliteal artery and vein Superior lateral genicular artery Plantaris muscle Sartorius muscle Tibial nerve Common fibular (peroneal) nerve (cut) Gastrocnemius muscle (lateral head) Superior medial Lateral sural cutaneous nerve (cut) genicular artery Superior lateral genicular artery Medial sural cutaneous nerve (cut) Gastrocnemius muscle (medial head) Adductor magnus tendon Lateral and medial sural cutaneous nerves (cut) Nerve to soleus muscle Popliteal artery and vein Superior medial genicular artery Gastrocnemius muscle (lateral head) Small saphenous vein (cut) Gastrocnemius muscle Fibular collateral ligament Gastrocnemius muscle (medial head) (cut) Tibial collateral ligament Biceps femoris tendon (cut) Semimembranosus tendon (cut) Plantaris muscle Inferior medial genicular artery Soleus muscle Inferior lateral genicular atery Plantaris tendon Soleus Head of fibula Popliteus muscle muscle Common fibular (peroneal) nerve Flexor digitorum Tendinous arch of (cut) longus tendon Soleus muscle Nerve to soleus muscle Plantaris tendon Tibialis posterior tendon Fibularis (peroneus) longus muscle Fibularis (peroneus) longus tendon Posterior tibial 465 450 enions (period verbrevis tendor: strochemus muscle (60th - Calcaneat Achilles, tendon Tible Pretve --eusimpscle inserung into: ...Lateral malleolos. caneal Achilles Lendon.= Medial malleolog . tor digitorum langus tendon Flexor hallucis longus tendon. Superior fibular (peroneal) tetinaculum ialis postener tendon Fibular peroneal) artery Flexor-retinaculumterior tibial artery and ven Calcaneal tranches of fibular ularis (peroneus) langus tendoh Galbannal branch of (peroneal) afteryposterior tibial actery Tibial nerve ularis (peroneus) brevis tendor Calcaneal tuberosity Medial mateolus eral malleolus Elexor refinaculum perior fibular (peroneal) Flexor hallucis longus tendon Sú naculum ret Calcaneal (Achilles) tendon ular (peroneal) artery Calcaneal branch of posterior tibial artery al branches of fibular Calcanea Calcaneal tuberosity peronea () artery

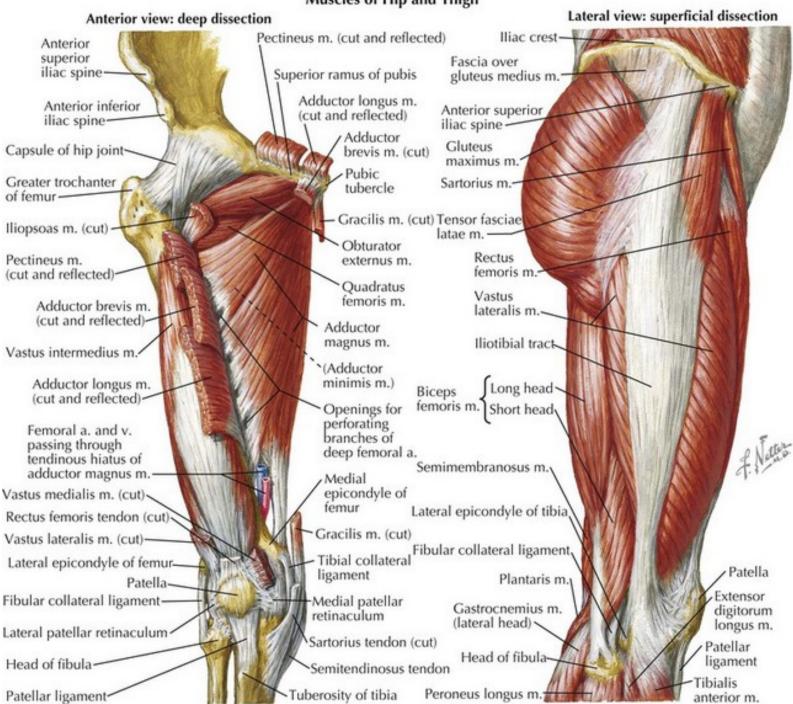


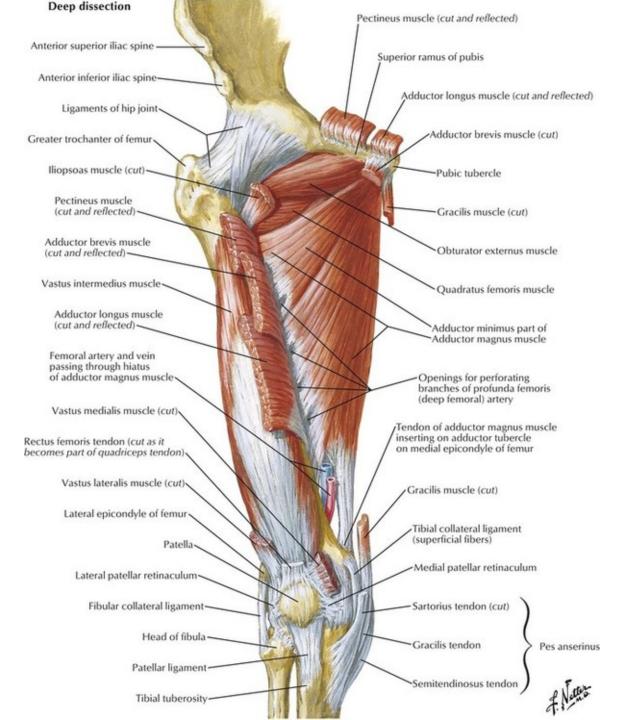




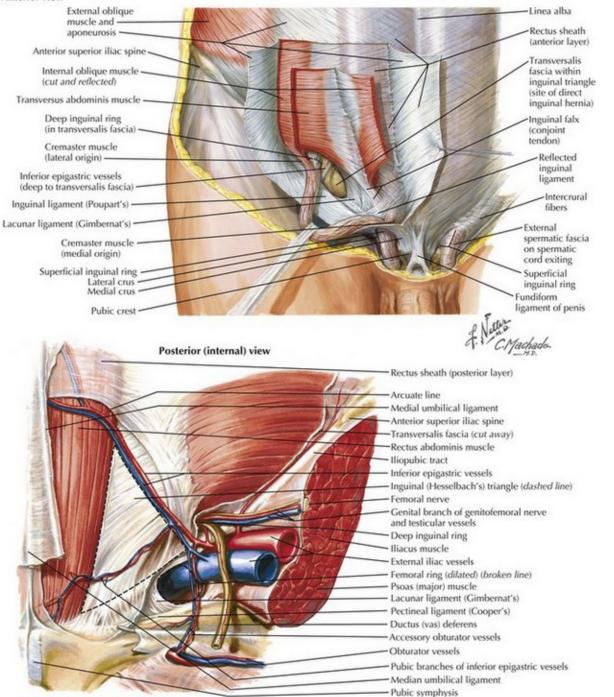


Muscles of Hip and Thigh

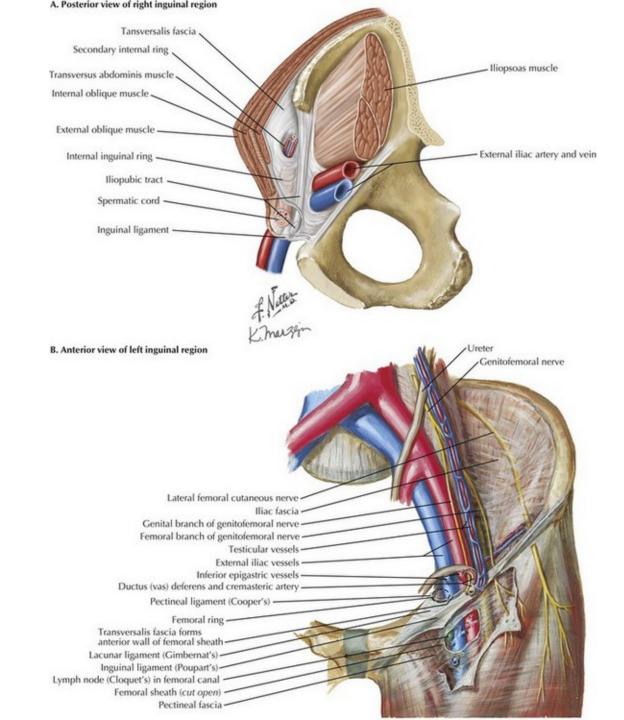


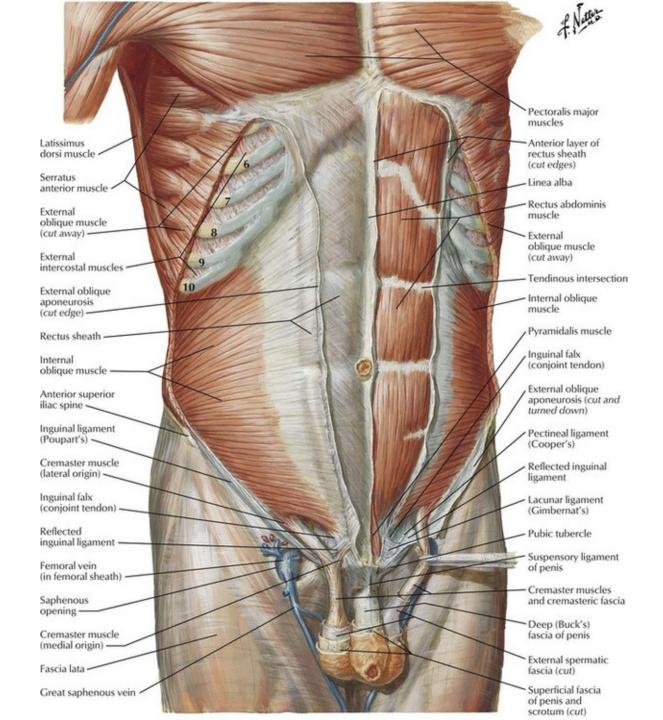


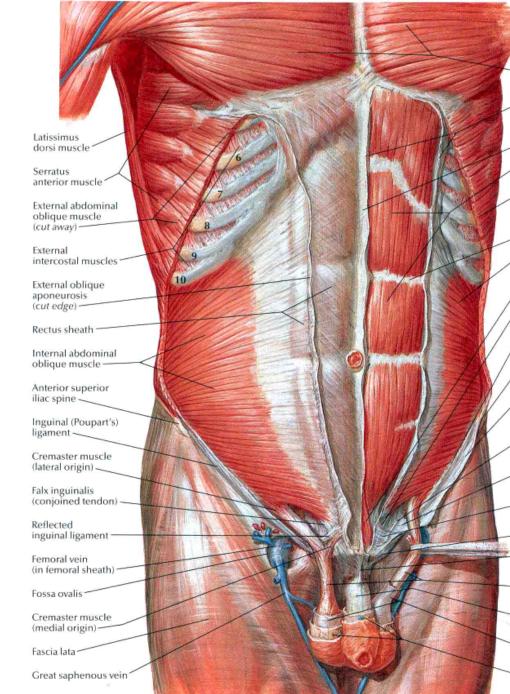
Anterior view



Hesselbach's triangle by Carlos Machado after Frank Netter







Pectoralis major muscles

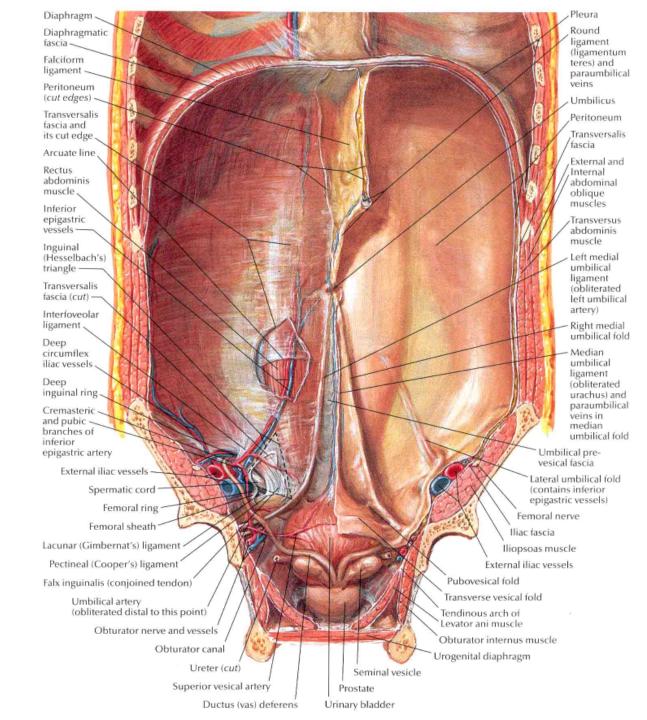
- Anterior layer of rectus sheath (cut edges)
- Linea alba
- Rectus abdominis muscle
- External abdominal oblique muscle (cut away)

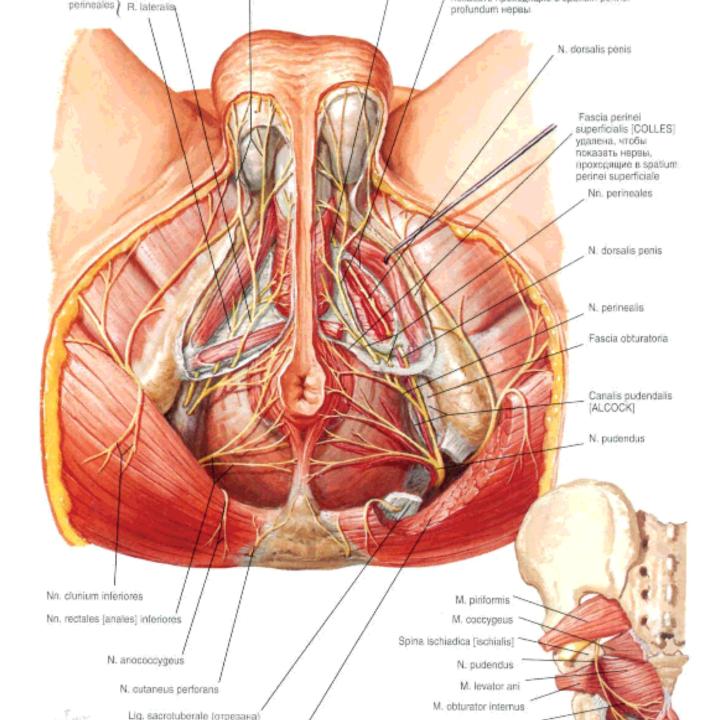
Tendinous inscription

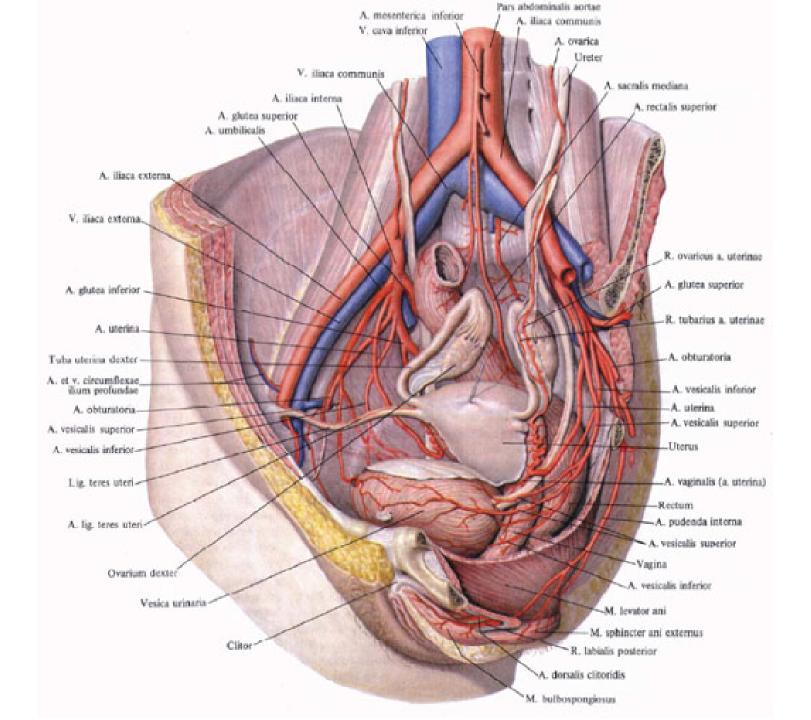
Internal abdominal oblique muscle

Pyramidalis muscle

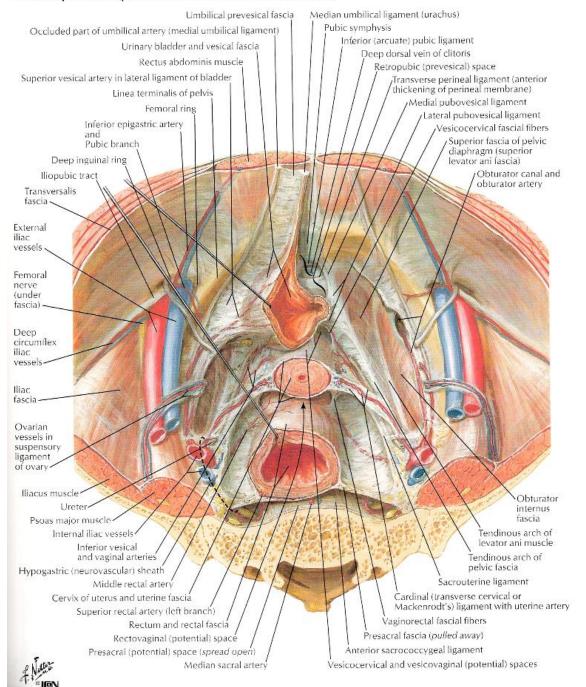
- Falx inguinalis (conjoined tendon)
- Inguinal (Poupart's) /ligament
- Anterior superior iliac spine
- , External oblique aponeurosis (cut and turned down)
- Pectineal (Cooper's) ligament
- Lacunar (Gimbernat's) ligament
- Reflected inguinal ligament
- Pubic tubercle
- Suspensory ligament of penis
- Cremaster muscles and fascia
- Deep penile
 (Buck's) fascia
- External spermatic fascia (cut)
- Superficial (dartos) fascia of penis and scrotum (cut)

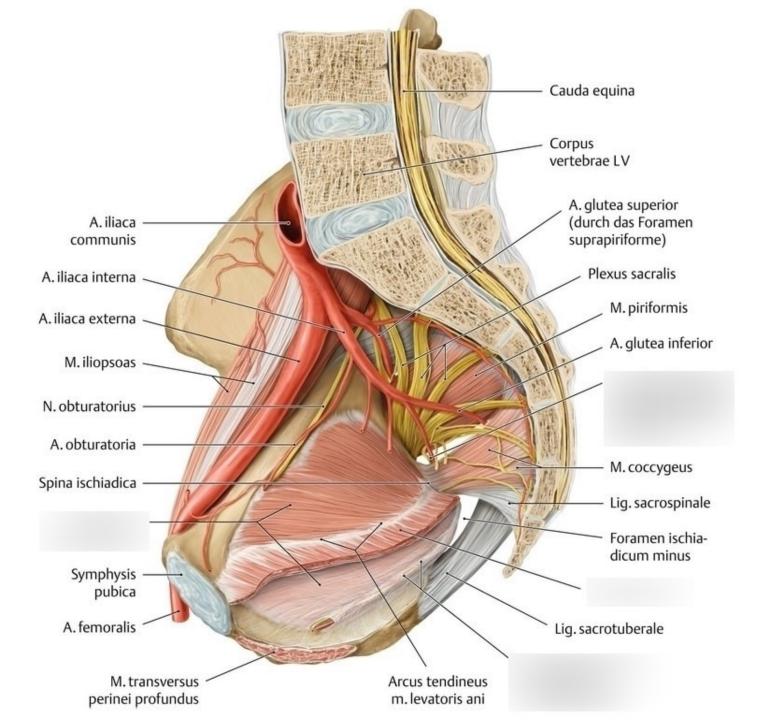


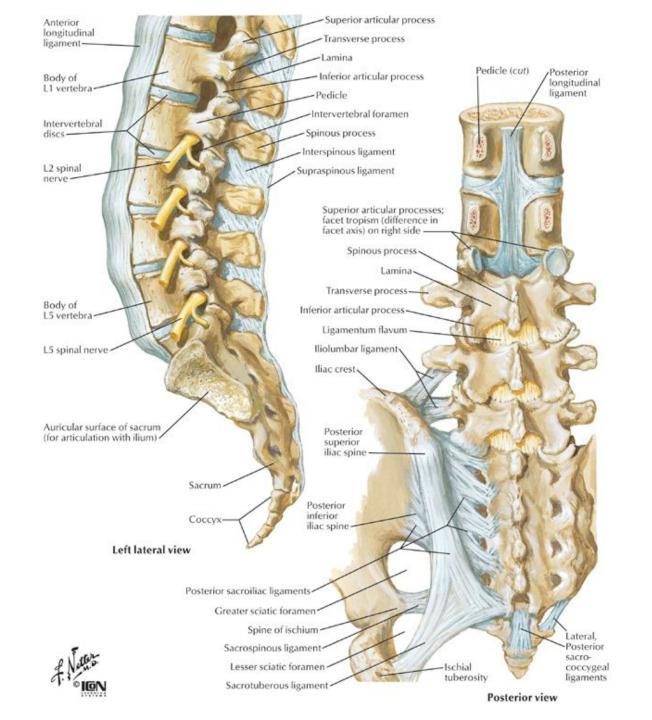


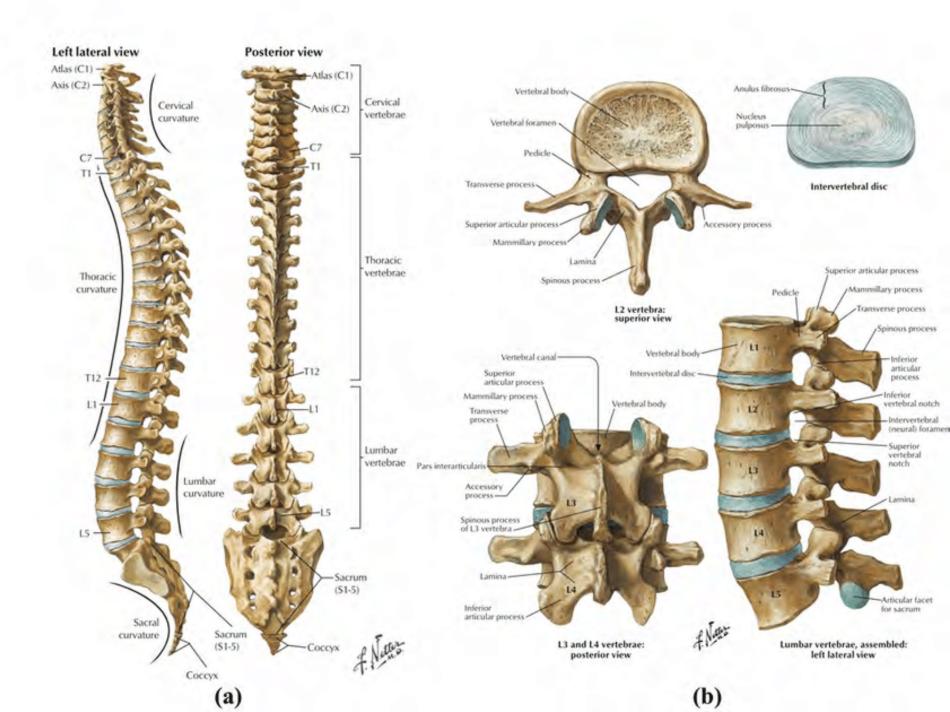


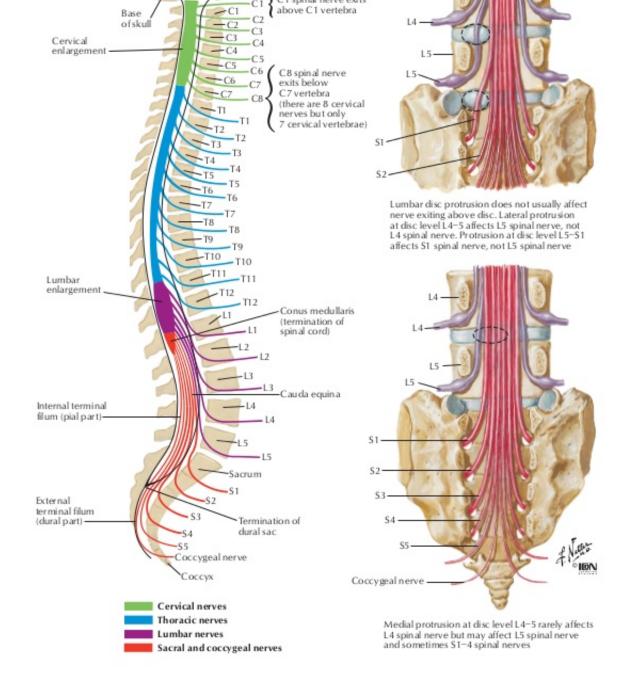
Female: superior view (peritoneum and loose areolar tissue removed)

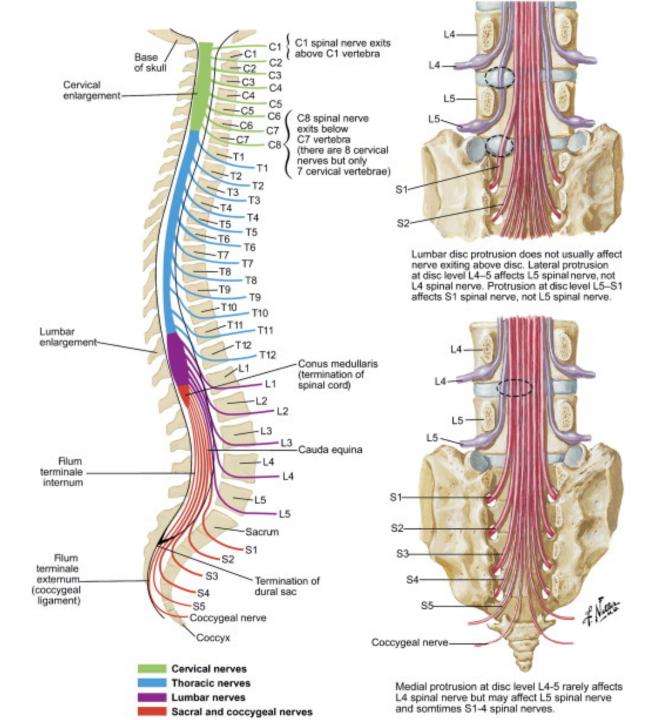


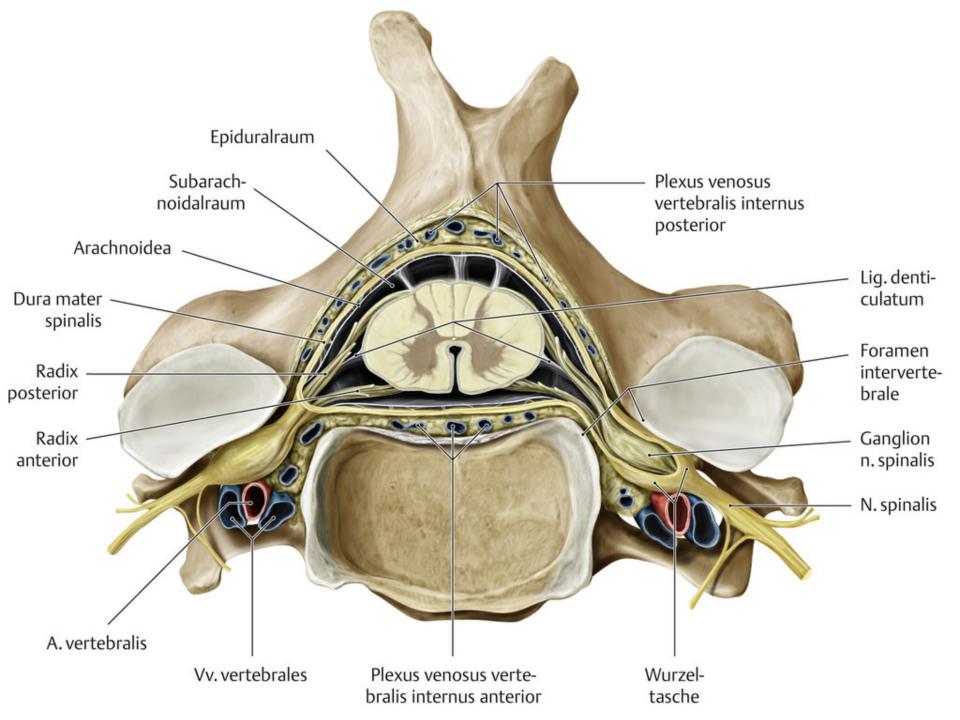


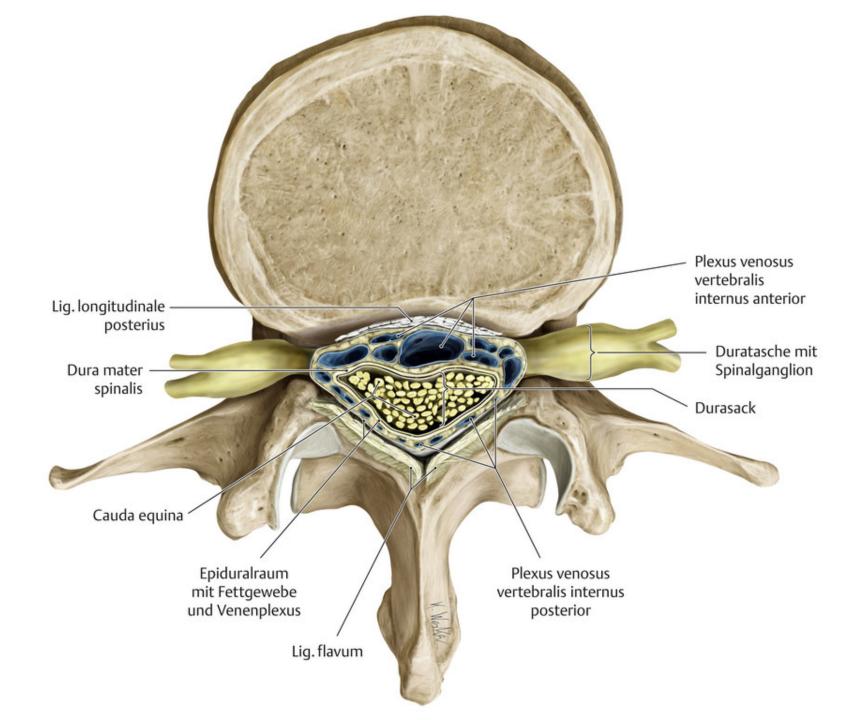


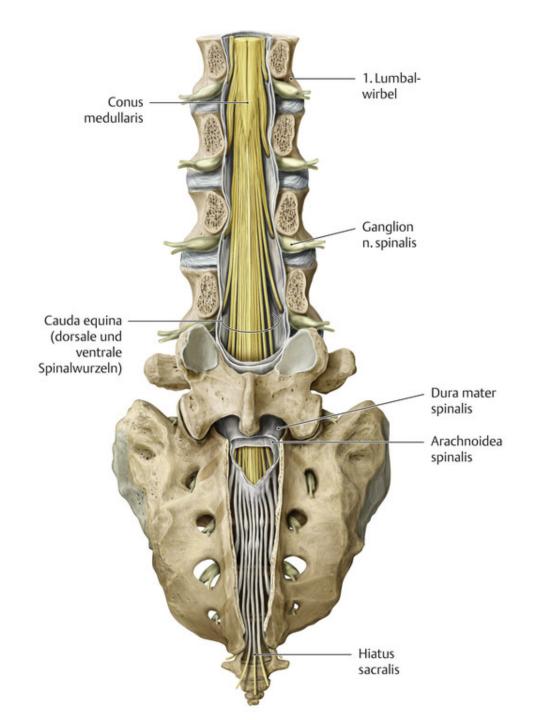


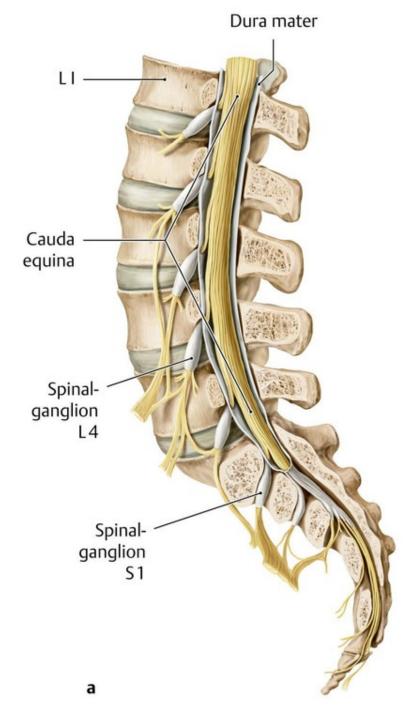




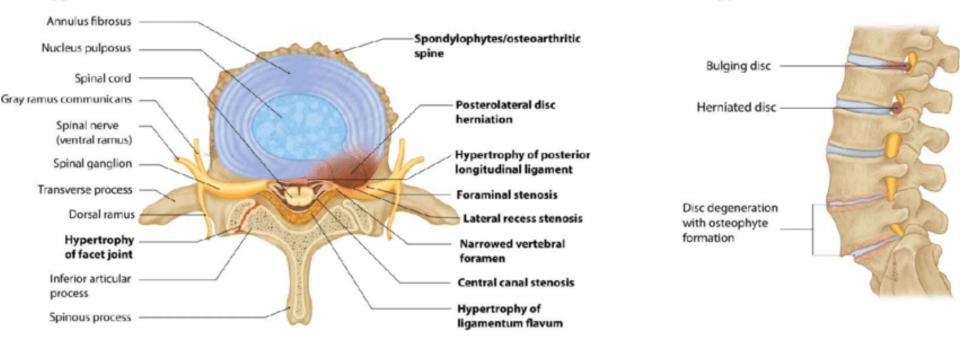






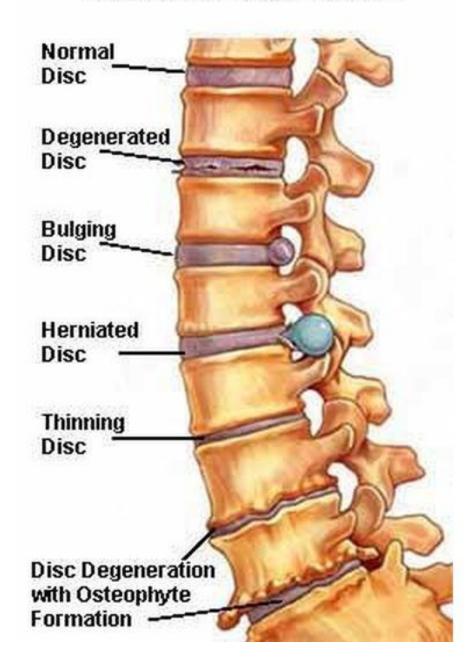


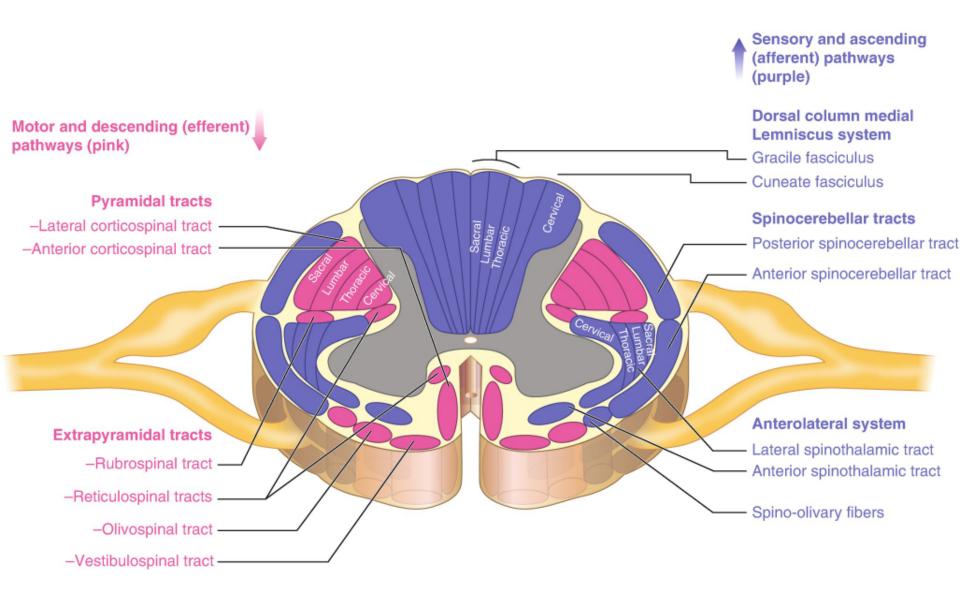
(a)

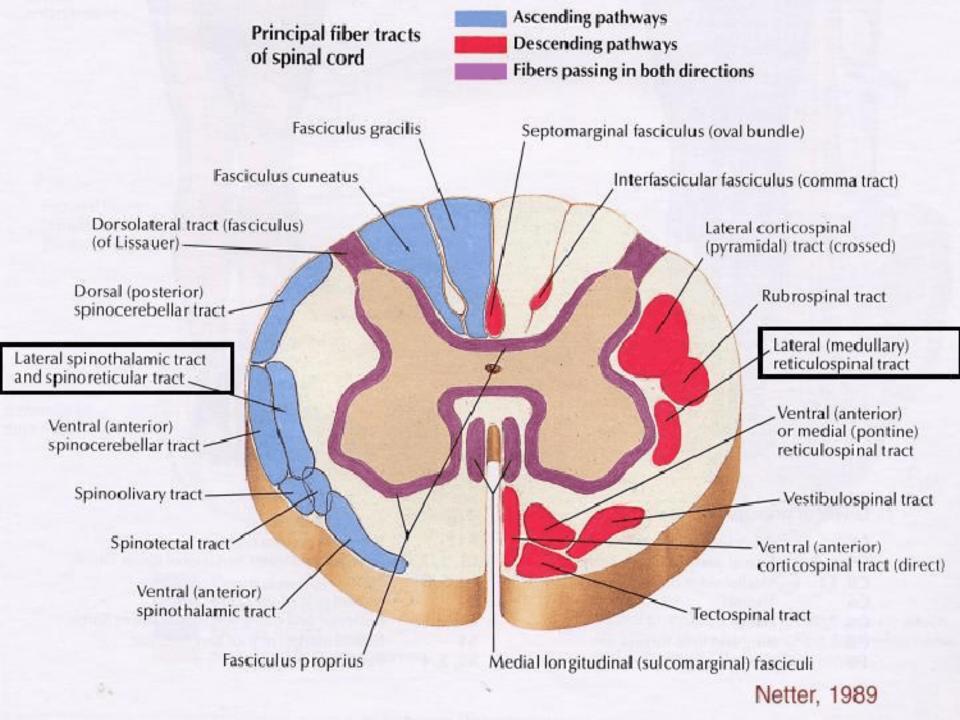


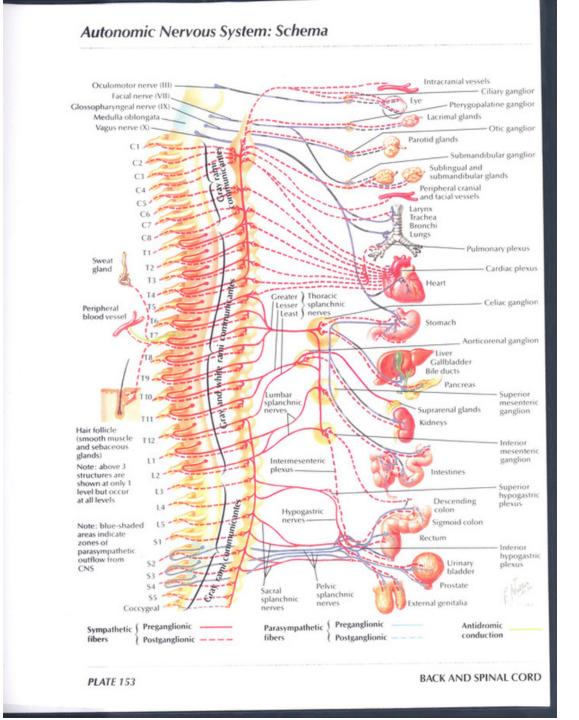
(b)

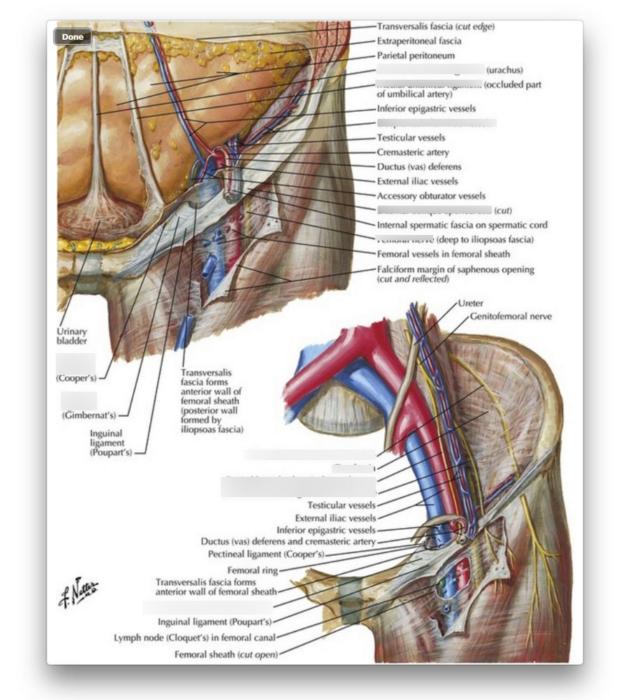
Examples of Disc Problems



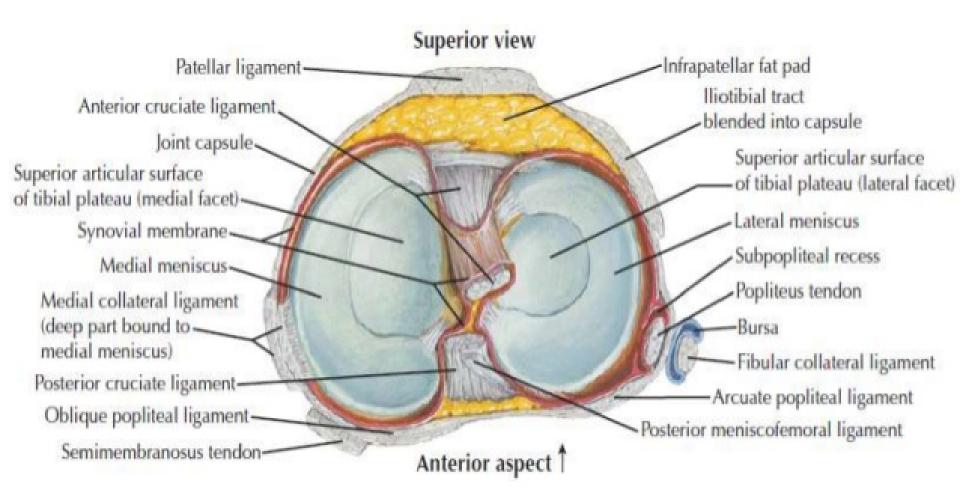




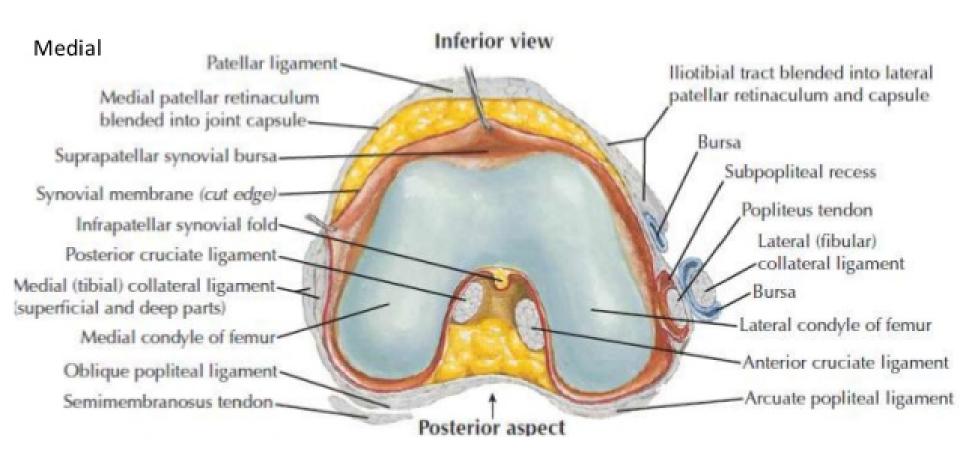


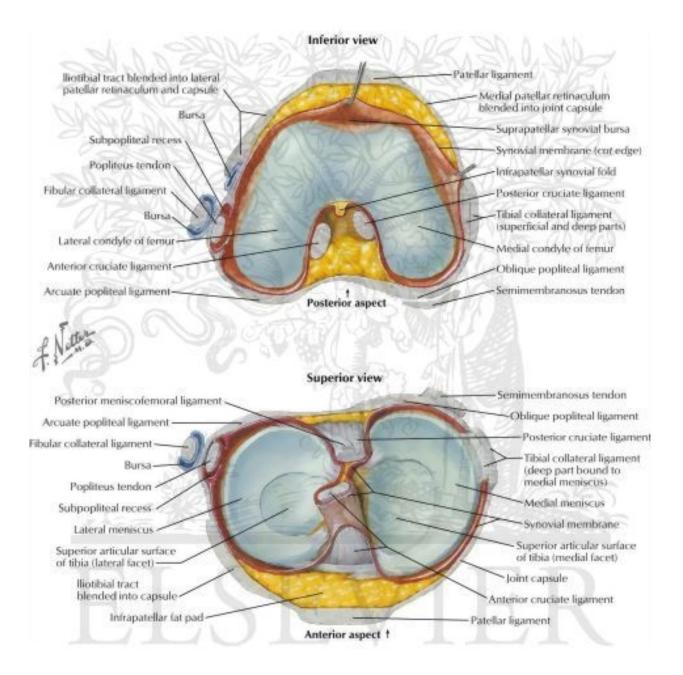


Knee Axial view



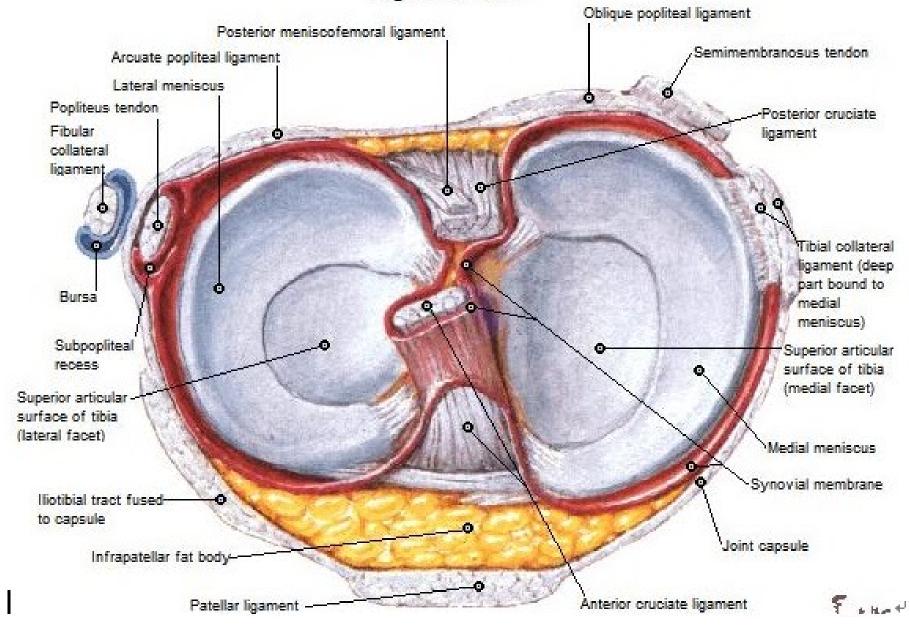
Knee Axial view

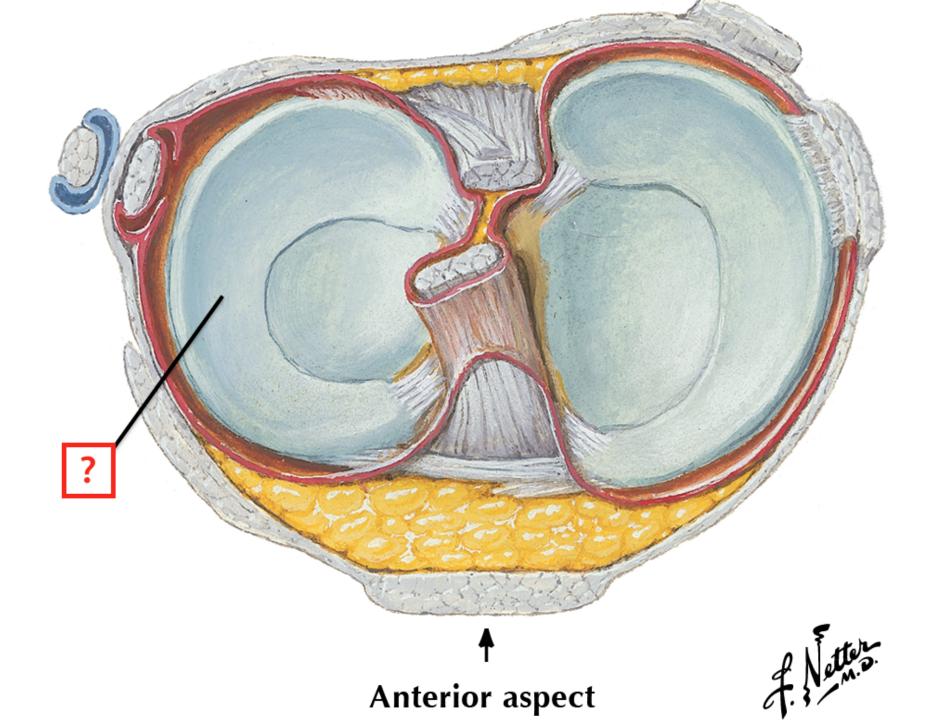




Knee - Interior

Superior View





Intercondylar eminence Attachment of posterior cruciate ligament -Attachment of synovial membrane Attachment of synovial membrane Superior articular surface Superior articular surface of tibia (medial facet) of tibia (lateral facet) Attachment of anterior Attachments of horns cruciate ligament of lateral meniscus -F. Netters Attachments of horns of medial meniscus Tibial tuberosity Anterior aspect

Superior view: ligaments and cartilage removed



Detecting Meniscal Tears



Longitudinal (vertical) tear

May progress to



Radial tear May progress to



Bucket handle tear



Parrot beak tear

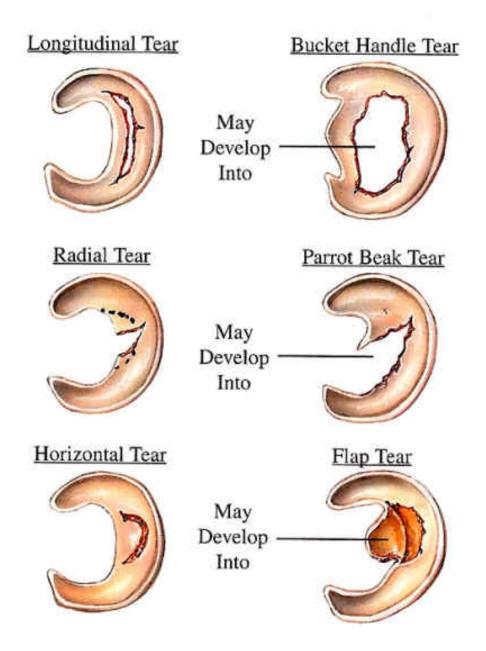


Horizontal tear (probe in cleft)

May progress to



MENISCUS TEARS









Radial Tear (large)

Progresses to a Flap Tear



Progresses to Complex or Degenerative Tear





Flap Tear







C: Discoid Meniscus



D: Peripheral Tear



Repaired Peripheral Tear



E: Horizontal Flap Tear



Displaced Flap Tear (horizontal)



F: Longitudinal Tear (short)

Longitudinal Tear (long)

Longitudinal Tear (displaced bucket-handle)