

## ARTERIES OF LOWER LIMB

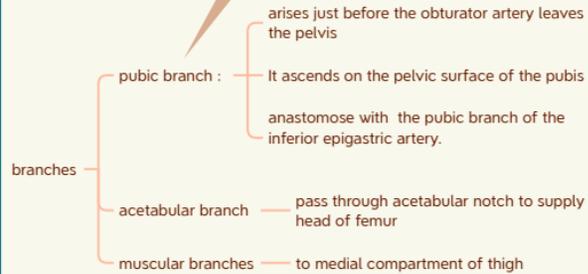
	obturator ARTERY	FEMORAL ARTERY	popliteal ARTERY
Origin	Branch from anterior division of internal iliac artery . Inside the pelvis	continuation of external iliac artery deep to inguinal ligament at midinguinal point — midway between — <ul style="list-style-type: none"> <li>ASIS</li> <li>symphysis pubis</li> </ul>	continuation of femoral artery at adductor opening
Course	Course — <ul style="list-style-type: none"> <li>runs on the side wall of the pelvis — between —   <ul style="list-style-type: none"> <li>obturator nerve</li> <li>vein</li> </ul> </li> <li>enters the thigh through obturator canal — through obturator canal</li> <li>at anterior end of canal — medial &amp; lateral divisions</li> </ul>	Course — descend vertically — <ul style="list-style-type: none"> <li>upper part (superficial) — in femoral Δ — from base to apex</li> <li>lower part (deep) — in adductor canal — From upper end to lower end</li> </ul>	descends in popliteal fossa as deepest structure
End	from arterial circle at margins of obturator membrane	at adductor opening (hiatus) to continue as popliteal art.	at lower border of popliteus — <ul style="list-style-type: none"> <li>anterior tibial arterie</li> <li>Posterior tibial arteries</li> </ul>

# ARTERIES OF LOWER LIMB

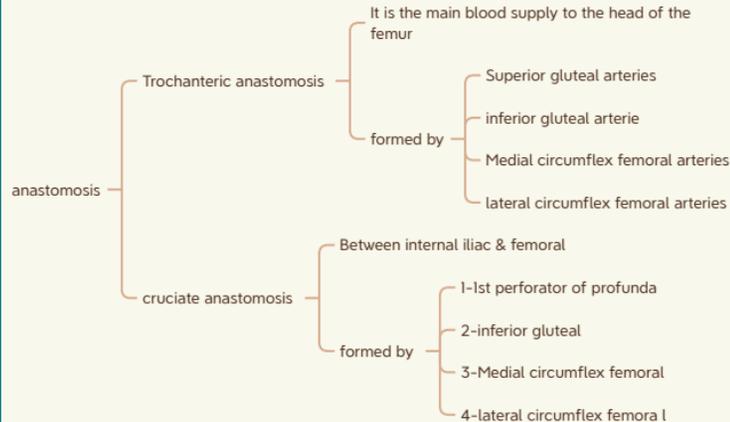
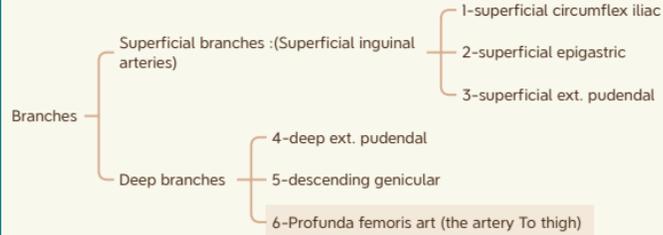
## obturator ARTERY

1- In 20% of people, an aberrant or accessory obturator artery arises from the inferior epigastric artery.  
 2- descends into the pelvis along the usual route of the pubic branch  
 3- Surgeons performing hernia repairs must keep this common variation in mind

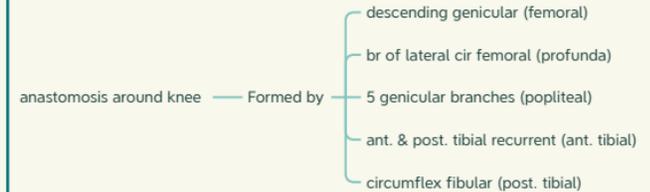
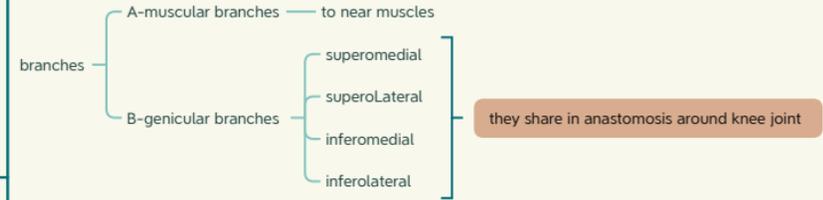
### branches



## FEMORAL ARTERY



## popliteal ARTERY



# FEMORAL ARTERY Branches :

## Profunda femoris art (the art. To thigh)

Origin

lateral side of femoral artery 4 cm below ing. lig.

Course

Course — descend downward & medially — femoral vessels & pectineus  
 — then on adductor magnus — adductor longus & brevis

End

perforate adductor magnus near its insertion as the 4th perforating artery .

Branches

at the origin give 3 brs :  
 lateral circumflex femoral — ascending — ascend to anastomosis around ASIS  
 — transverse — circle around femur to cruciate anastomosis.  
 — descending — descend along anterior border of (vastus lateralis) to anastomosis around knee

at the origin give 3 brs :  
 medial circumflex femoral — acetabular  
 — ascending — to trochanteric anastomosis  
 — transverse — to cruciate anastomosis

بقلدوا ابوهم  
 3perforating branches: — Perforate insertion of adductor magnus  
 — form longitudinal chain anastomosis to supply back of thigh

# ARTERIES OF LOWER LIMB

	obturator ARTERY	FEMORAL ARTERY	popliteal ARTERY
Relations		<ul style="list-style-type: none"> <li>Relations               <ul style="list-style-type: none"> <li>medial — Femoral V</li> <li>Lateral                   <ul style="list-style-type: none"> <li>Femoral n</li> <li>saphenous n</li> <li>nerve to vastus medialis</li> </ul> </li> <li>superficial (ant.)                   <ul style="list-style-type: none"> <li>skin</li> <li>superficial fascia</li> <li>deep fascia</li> <li>Sartorius</li> </ul> </li> <li>deep (post.)                   <ul style="list-style-type: none"> <li>iliopsoas separates it from hip joint</li> <li>pectineus: with profunda femoris in between</li> <li>adductor longus</li> <li>Adductor magnus</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Relations               <ul style="list-style-type: none"> <li>crossing over popliteal surface of femur capsule — of knee joint popliteus muscle</li> <li>crossed superficially by                   <ul style="list-style-type: none"> <li>popliteal v</li> <li>tibial n</li> <li>fasciae</li> <li>skin</li> </ul> </li> </ul> </li> </ul> <p style="text-align: right; border: 1px solid black; border-radius: 10px; padding: 2px; display: inline-block;">separated from the tibial n by popliteal v</p>

"كُلَّ عَتَمَةٍ سَتُفْضِي إِلَى النُّورِ، كُلَّ عُسْرٍ  
سَيُفْضِي إِلَى يُسْرٍ، كُلَّ بَلَاءٍ سَيُفْضِي إِلَى فَرَجٍ  
تَخِرُّ لَهُ النُّوَاصِي سُجَّدًا، بَاكِيَةً، فَرِحَةً بِمَا آتَاهَا  
رَبُّهَا.

اتَّخِذْ مِنَ الصَّبْرِ عُنَاظًا تَسْتَنْدُ إِلَيْهِ كُلَّمَا عَرَجْتَ  
الْحَيَاةَ خَطَوَاتِكَ."  
- سلوى الحلبي.

