

## ARTERIES OF LOWER LIMB 2

	Anterior Tibial ARTERY	Dorsalis pedis ARTERY	Posterior tibial ARTERY	Medial plantar ARTERY	Lateral plantar ARTERY
Origin	smaller terminal br. of popliteal art. at lower border of popliteus	midway ( ) 2 malleoli as continuation of ant. tibial artery	larger terminal branch of popliteal art. at lower border of popliteus.	small terminal branch of post. tibial art. deep to flexor retinaculum	large terminal branch of post. tibial art. deep to flexor retinaculum
Course	<p>along its course it is accompanied by ant. tibial n.</p> <p>Course</p> <ul style="list-style-type: none"> <li>descends in front of interosseous membrane               <ul style="list-style-type: none"> <li>( ) tibialis ant. &amp; ext. digit. Longus</li> <li>then ( ) tibialis ant. &amp; ext. hallucis longus</li> <li>then crossed by ext. hallucis longus from lateral to medial</li> </ul> </li> <li>descend in front of tibia ( )               <ul style="list-style-type: none"> <li>tendons of ext. hallucis longus (medially)</li> <li>&amp; ext. digit. Longus (laterally)</li> </ul> </li> </ul>	<p>Course</p> <ul style="list-style-type: none"> <li>run forward on dorsum of foot in line with 1st interdigital cleft</li> <li>Then downward ( ) 2 heads of 1st dorsal interosseous to enter sole</li> </ul>	<p>accompanied by posterior tibial nerve</p> <p>Course</p> <ul style="list-style-type: none"> <li>descends in posterior compartment of the leg               <ul style="list-style-type: none"> <li>in upper part of leg — descends vertically ( )                   <ul style="list-style-type: none"> <li>soleus</li> <li>tibialis post</li> </ul> </li> <li>in lower part of leg                   <ul style="list-style-type: none"> <li>the art. become superficial</li> <li>lying on back of                       <ul style="list-style-type: none"> <li>lower end of tibia</li> <li>Of capsule of ankle</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>with medial plantar n. The nerve lateral to the artery)</p> <p>Course</p> <ul style="list-style-type: none"> <li>pass deep to abductor hallucis</li> <li>then ( )               <ul style="list-style-type: none"> <li>flexor digi. brevis</li> <li>it</li> </ul> </li> </ul>	<p>With lateral plantar n. (the nerve medial to the artery)</p> <p>Course</p> <ul style="list-style-type: none"> <li>Pass deep to abductor hallucis.</li> <li>then ( )               <ul style="list-style-type: none"> <li>FDB</li> <li>flexor digitorum accessories</li> </ul> </li> <li>At base of 5th metatarsal — curve medially to form plantar arch</li> <li>that pass ( )               <ul style="list-style-type: none"> <li>the 3rd layer (adductor hallucis)</li> <li>the 4th layer (tendons of peroneus longus &amp; tibialis post.)</li> </ul> </li> </ul> <p>till the base of 5th metatarsal</p>
End	midway ( ) 2 malleoli to be dorsalis pedis artery	in sole anastomose with plantar arch	deep to flexor retinaculum <ul style="list-style-type: none"> <li>(behind medial malleolus) (pulsation felt)</li> <li>give               <ul style="list-style-type: none"> <li>medial plantar arteries</li> <li>lateral plantar arteries</li> </ul> </li> </ul>	by supplying medial side of big toe	at proximal end of 1st intermetatarsal space anastomose with the end of dorsalis pedis art.
مُلَصَّق 4	at first it lies in post. compartment of leg then pass forward through opening in upper part of interosseous membrane to enter ant. compartment.	الموضوع الفرعي 5	It supplies post. & lateral compartments of leg		the deep branch of lateral plantar n. lies in concavity of the plantar arch

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ملصق 1	<p>branches</p> <ul style="list-style-type: none"> <li>muscular — to muscles of ant. compartment</li> <li>post. tibial recurrent: — both brs share in anastomosis around knee</li> <li>ant. tibial recurrent: — both share in anastomosis around ankle</li> <li>ant. medial malleolar</li> <li>ant. lateral malleolar</li> </ul>	<p>branches</p> <ul style="list-style-type: none"> <li>1- medial &amp; lateral tarsal</li> <li>2- 1st dorsal metatarsal</li> <li>3- Arcuate — 2nd, 3rd, 4th dorsal metatarsal</li> <li>4- 1st plantar metatarsal.</li> </ul>	<p>branches</p> <ul style="list-style-type: none"> <li>1-circumflex fibular:- — share in anastomosis around knee</li> <li>2-peroneal artery — The largest &amp; longest branch — supply lateral compartment</li> <li>3-terminal branches — medial plantar arteries — lateral plantar arteries</li> <li>4-muscular branches — to muscles of post. compartment</li> <li>5-nutrient branches — to tibia</li> <li>6-medial calcanean &amp; malleolar branches — anastomosis around ankle</li> </ul>	<p>branches</p> <ul style="list-style-type: none"> <li>1-cutaneous</li> <li>2-muscular</li> <li>3-articular branches</li> </ul>	<p>branches</p> <ul style="list-style-type: none"> <li>1-cutaneous</li> <li>2-muscular</li> <li>3-articular branches</li> <li>4-The plantar arch give: — plantar digital arteries to toes</li> </ul>

# Posterior tibial ARTERY

## Peroneal (fibular) art.:

### Origin

near to origin of post. tibial art

### Course

Course

descend vertically

behind the fibula

close to flexor hallucis longus

### Branch

branch

May replace anterior tibial artery

1-perforating branch

— pierce interosseous membrane to reach ant. Compartment of leg

2-muscular branches

— to muscles of lateral compartment of leg

3-nutrient branch to fibula

4- lateral calcanean & malleolar branch

— to anastomosis around ankle



”تشتد همومك ويضيء في قلبك  
اليقين أنّ الرحمة إليك أقرب مما  
مضى، وأنّ سجل المتاعب معك  
سيفضي إلى سلام، وأنّ الظنون  
الجميلة التي رقدت في قلبك  
سيكون لها صبغٌ عما قريب.”



#ادرس-لأجل-الأقصى