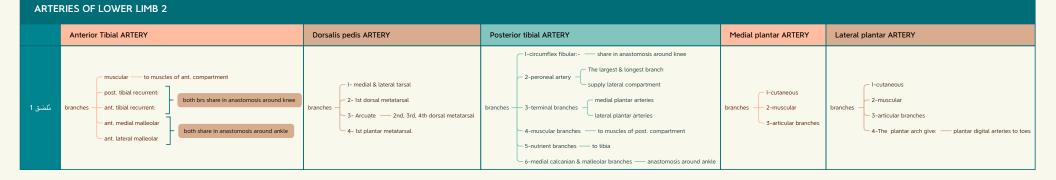
## ARTERIES OF LOWER LIMB 2

|          | Anterior Tibial ARTERY   | Dorsalis pedis ARTERY  | Posterior tibial ARTERY   | Medial plantar ARTERY   | Lateral plantar ARTERY   |
|----------|--|--|---|---|--|
| Origin   | smaller terminal br. of popliteal art.   | midway ( ) 2 malleoli  | larger terminal branch of popliteal art   | small terminal branch of post. tibial art.  | large terminal branch of post. tibial art.   |
|          | at lower border of popliteus   | as continuation of ant. tibial artery  | at lower border of popliteus.   | deep to flexor retinaculum  | deep to flexor retinaculum   |
| Course   | descends in front of interosseous membrane () libialis ant. & ext. hallucis longus<br>then () tibialis ant. & ext. hallucis longus<br>then crossed by ext. hallucis longus from<br>Lateral to medial<br>descend in front of tibia () tendors of ext. hallucis longus(medially)<br>& ext. digit. Longus (laterally) | Course - (Then downward on dorsum of foot in line with 1st<br>Then downward () 2 heads of 1st dorsal<br>interosseous to enter sole | accompanied by posterior tibial nerve<br>Course descends in posterior<br>compartment of the leg in tower part of leg descends vertically () soleus<br>tibialis post<br>in tower part of leg the art. become superficial<br>in tower part of leg the art. become superficial<br>lying on back of tower of the of the log of capsule of ankle | with medial plantar n.<br>The nerve lateral to the artery)<br>pass deep to abductor hallucis<br>Course flexor digi. brevis<br>then () flexor digi. brevis | Immittated platter / (the over medial to the attery)   Plats deep to abductor hallucis.   Plats deep to abductor hallucis.   Course FDB   At base of 5th metatarsal   At base of 5th metatarsal   that pass ()   the 3rd layer (adductor hallucis)   the 4 th layer (tendons of peroneus longus & tibials post.) |
| End      | midway ( ) 2 malleoli  | in sole  | deep to flexor retinaculum - (behind medial malleolus) (pulsation felt)   | by supplying medial side of big toe   | at proximal end of 1st intermetatarsal space   |
|          | to be dorsalis pedis artery  | anastomose with plantar arch   | give - lateral plantar arteries   | by supprying means side of big toe  | anastomose with the end of dorsalis pedis art.   |
| مُلصَق 4 | at first it lies in post. compartment of leg<br>then pass forward through opening in upper<br>part of interoseous membrane to enter ant.<br>compartment.   | المضوع القرعي 5  | It supplies post. &lateral compartments of leg  |   | the deep branch of lateral plantar n. lies in concavity of the plantar arch  |



## Posterior tibial ARTERY

|        | Peroneal (fibular) art.:  |  |  |  |
|--------|---|--|--|--|
| Origin | near to origin of post. tibial art  |  |  |  |
| Course | Course descend vertically<br>behind the fibula<br>close to flexor hallucis longus   |  |  |  |
| Branch | May replace anterior tibial artery    1-perforating branch pierce interosseous membrane to reach ant.<br>Compartment of leg   2-muscular branches to muscles of lateral compartment of leg   3-nutrient branch to fibula 4- lateral calcanean &malleolar branch |  |  |  |

''تشتد همومك ويضىء فى قلبك اليقين أنّ الرحمة إليك أقرت مما مضى، وأن سجال المتاعب معك سيفضى إلى سلام، وأنَّ الظنونَ الجميلة التب رقدت في قلبك سيكونُ لها صبحٌ عما قريب."



