

DORSALIS PEDIS ARTERY.

It is the chief artery of dorsum of foot.

ORIGIN

It is the continuation of anterior tibial artery.

COURSE

begins in front of ankle between two malleoli.

travels down → along medial side of dorsum.



to reach proximal end of

1st intermetatarsal space.



dips to sole of foot.



by piercing 1st closed Interosseus



anastomose with lateral plantar artery.

TERMINATION → Forms plantar arches with in sole.

RELATIONS

- Superficial → Extensor hallucis brevis.
- deep → ankle joint & tarsal bone.
- medial → EHL tendon.
- Lateral → first tendon of Extensor digitorum longus.

BRANCHES

- Lateral Tarsal artery →
 - medial tarsal artery →
- } take part in metatarsal arterial networks.

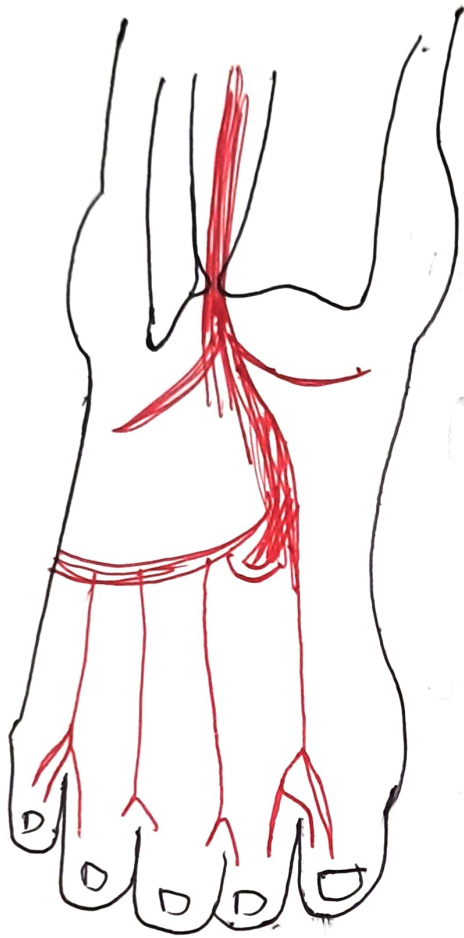
ARCULATE artery: @ base of 2nd metatarsal.

runs laterally → reach lateral edge of foot.

↓
It gives 2nd, 3rd, 4th. dorsal metatarsal.

first dorsal metatarsal. → just before dip.

forms dorsal digital artery



to deep palmar plexus

Applied

classical pedis pulsation, → between EHL & EDL tendons.

DPT

• Absent 15-19%

• replaced by perforating branch of peroneal artery.

into plantar part of foot

present - artery &

arterio-venous anastomosis