

Foot Arteries

Program Transcript

This drawing shows the arteries of the foot. On the left, is a view of the dorsum of the foot. On the right, is a view of the plantar aspect of the foot. If we look at the dorsum of the foot, we see that the anterior tibial artery comes down and, when it crosses the ankle, it changes names into the dorsalis pedis artery. It gives off some malleolar and tarsal arteries, and then forms an arcuate artery and a deep plantar artery.

The deep plantar artery will go between the first and the second metatarsal and enter the plantar surface of the foot, where it will join the plantar arch. Branches off the archway go to form the metacarpal and digital arteries. On the plantar surface of the foot on the right, the posterior tibial artery comes down and divides into a medial and lateral plantar artery.

The medial plantar artery goes pretty much to the big toe, whereas the lateral plantar artery comes around and forms a plantar arch along with the deep plantar artery from the dorsum of the foot. Off of the arch are the plantar metatarsal and digital arteries.