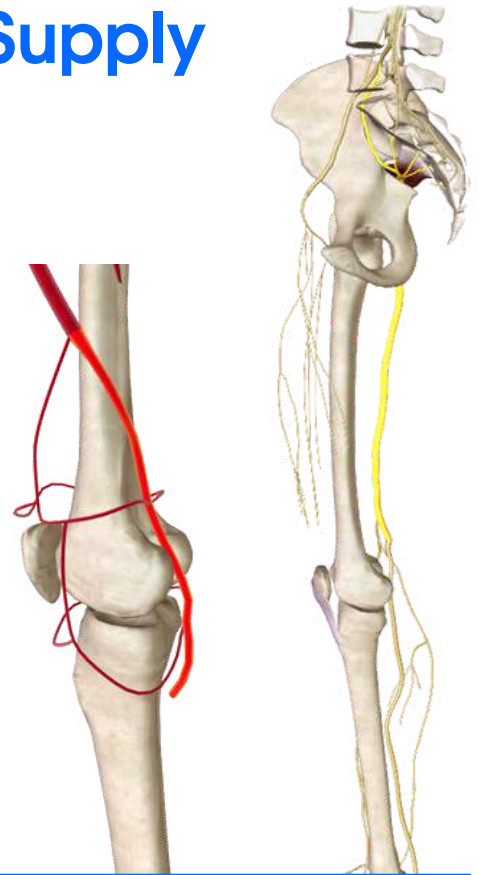


Course Handbook

Knee Anatomy BootCamp

Lesson 5: Nerve and Blood Supply



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14: **Membership Resources**

Course Presenter



Khalid Maidan
Specialist MSK Physio



Dr. Jack Hurley
Medical Doctor



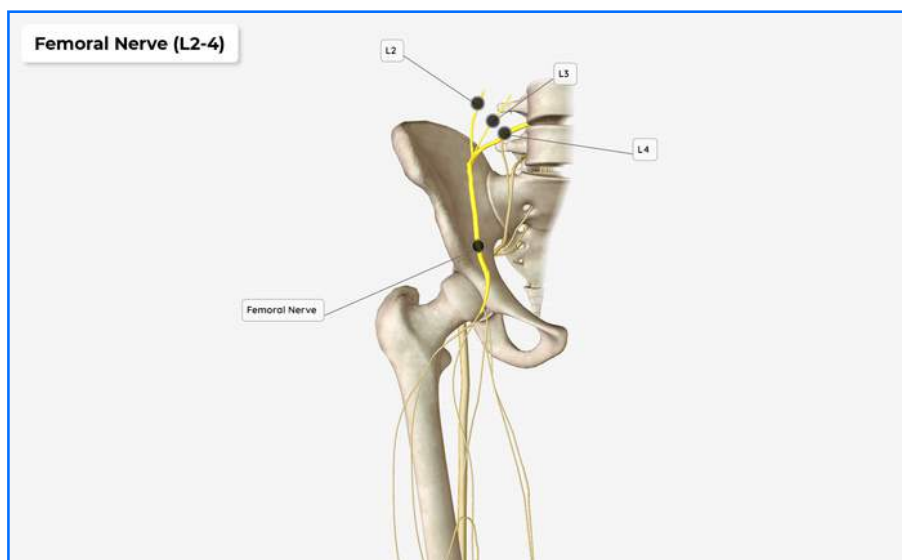
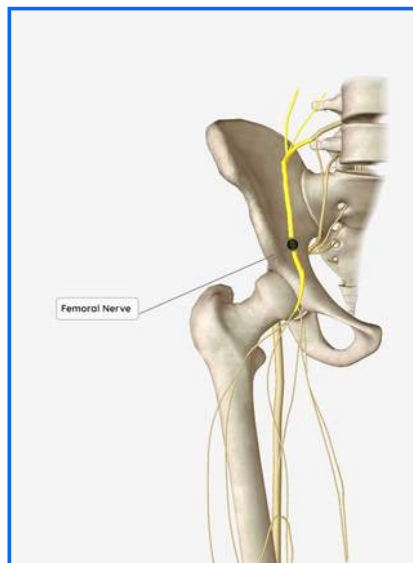
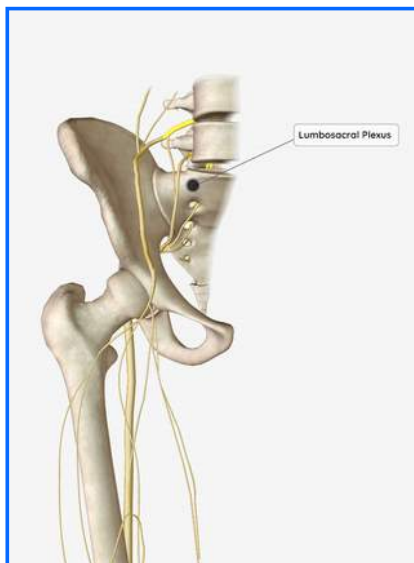
Mr. Ray Chari
Consultant
Orthopaedic Surgeon

Nerve Supply: Femoral Nerve

Nerve Supply

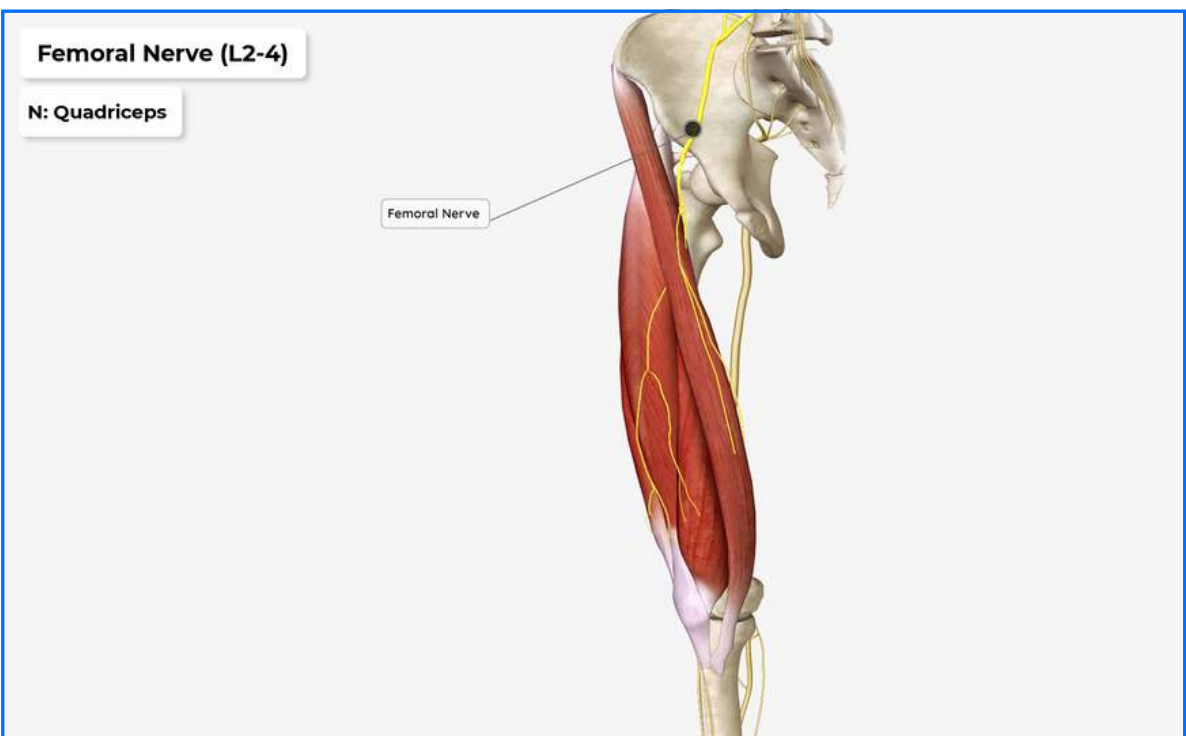
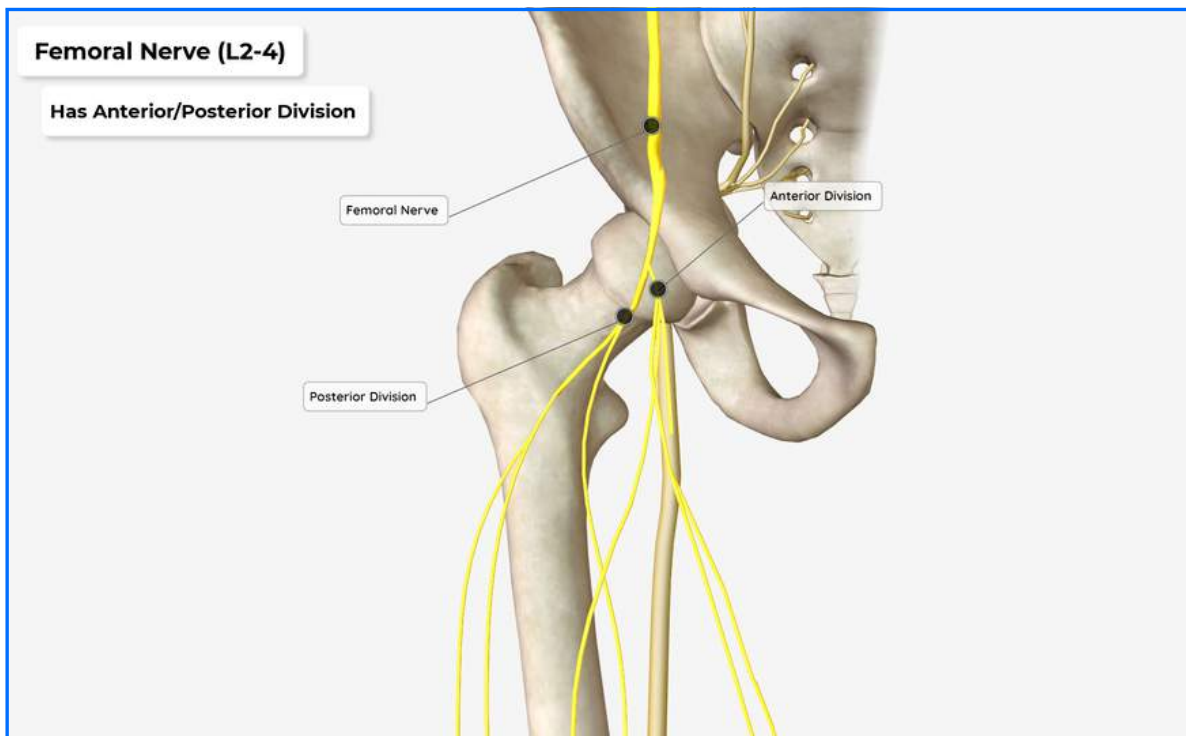
In this section we will go through the main nerves of the lower limb related to the knee joint and their courses to give you a better understanding of how they travel from the spine, their branches and where they go! The main nerves to remember for the knee are the femoral nerve, sciatic nerve and the tibial nerve (branch of sciatic). Below we have placed a series of pictures so you can see the course of each of these nerves which is much better than writing lots of text which can be largely unhelpful!

Femoral Nerve



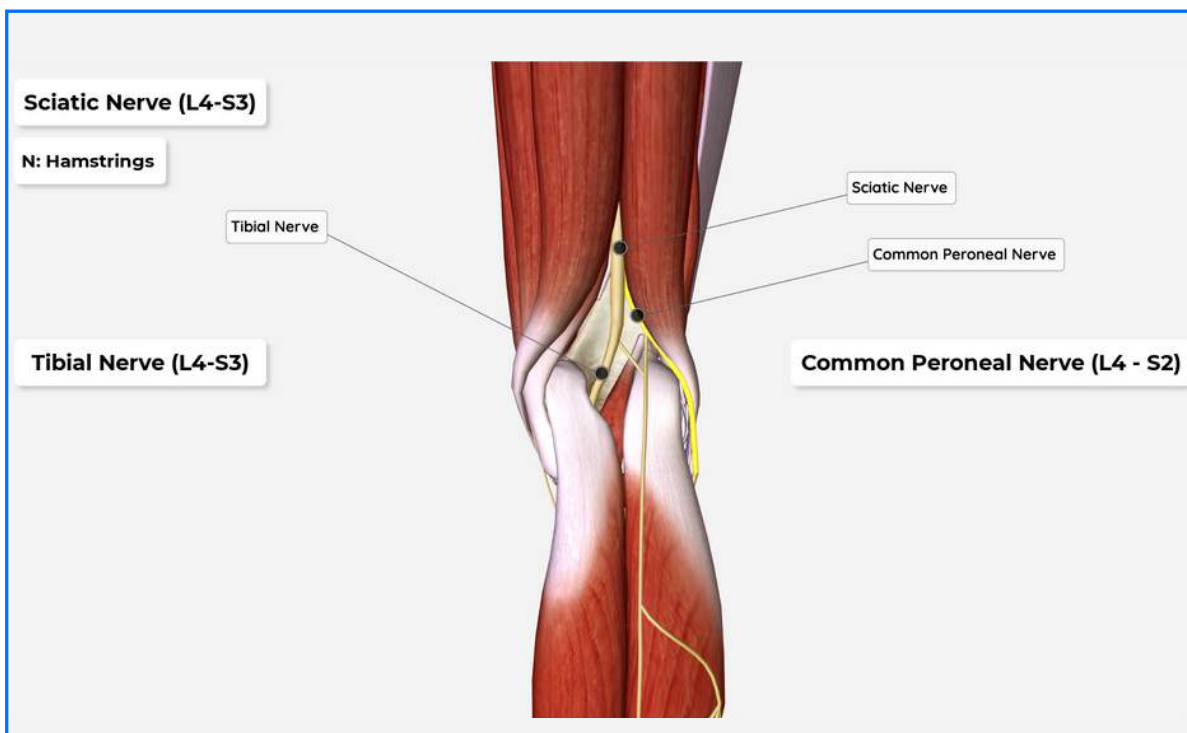
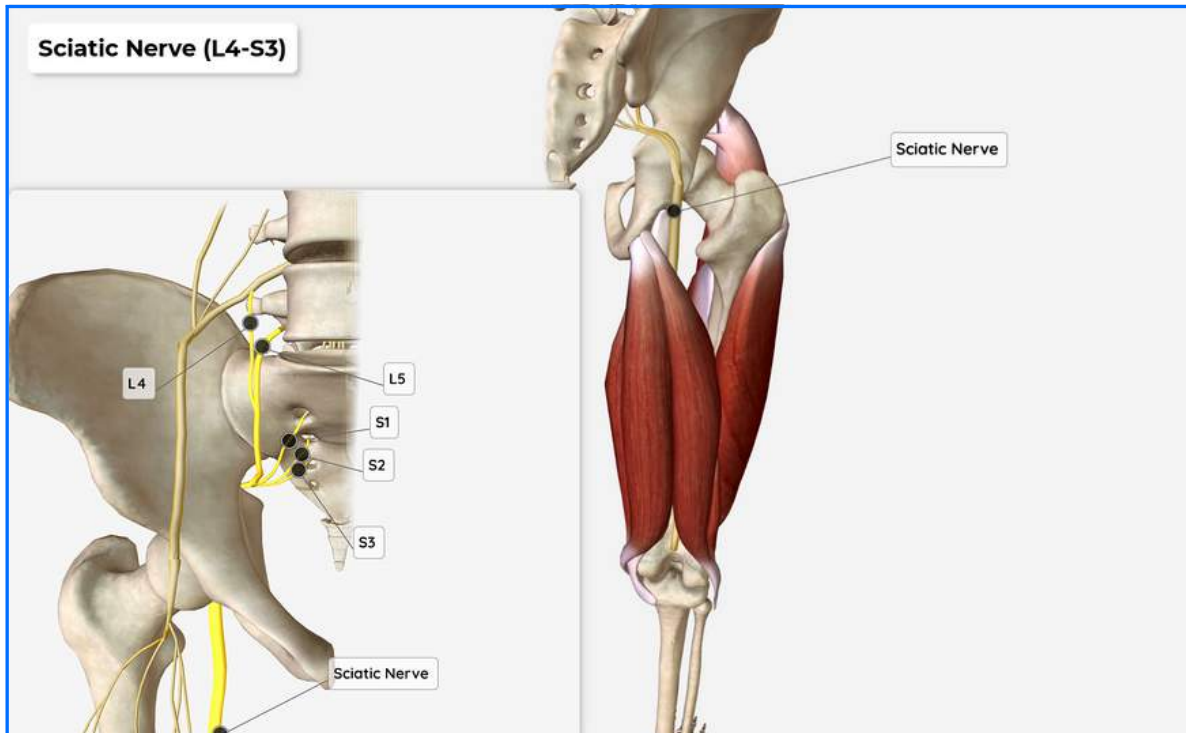
Nerve Supply: Femoral Nerve

Femoral Nerve



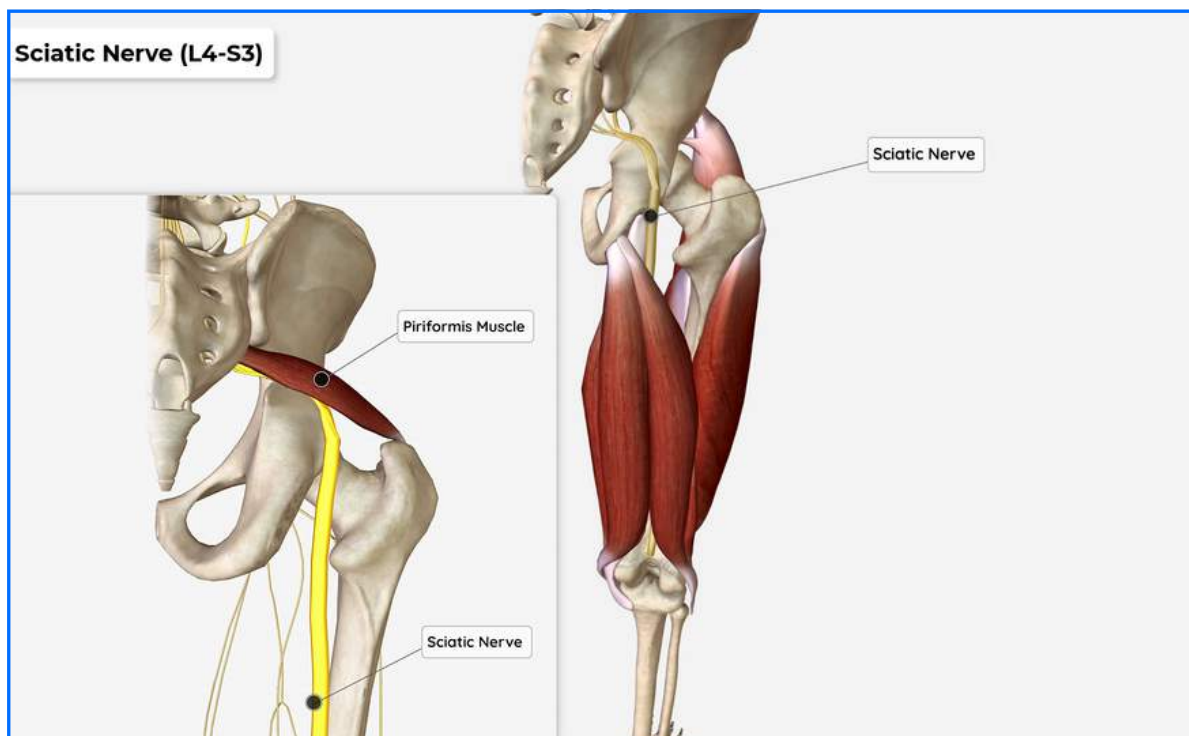
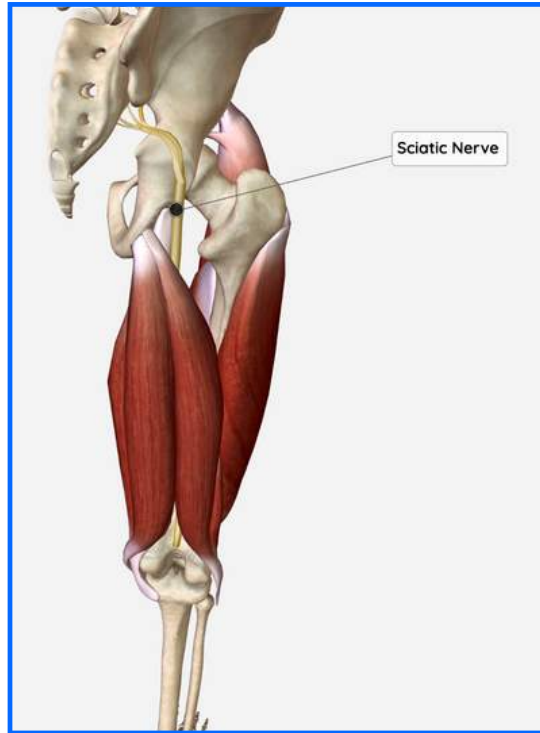
Nerve Supply: Sciatic Nerve

Sciatic Nerve



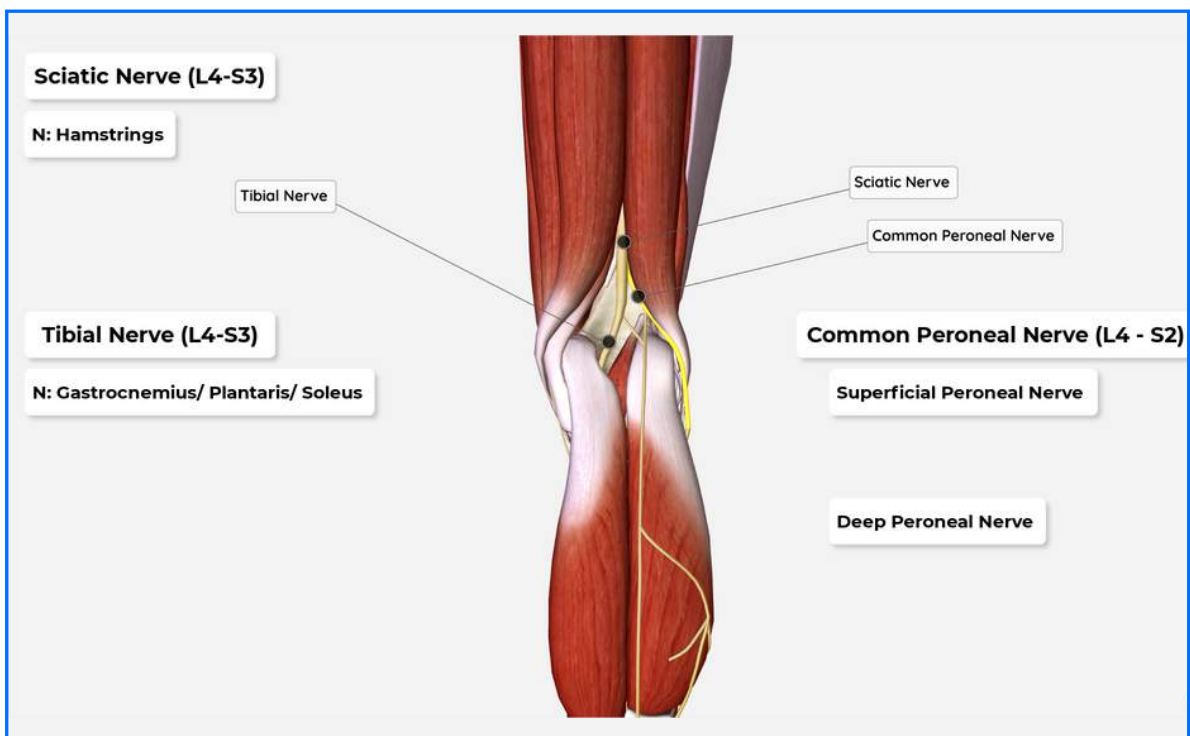
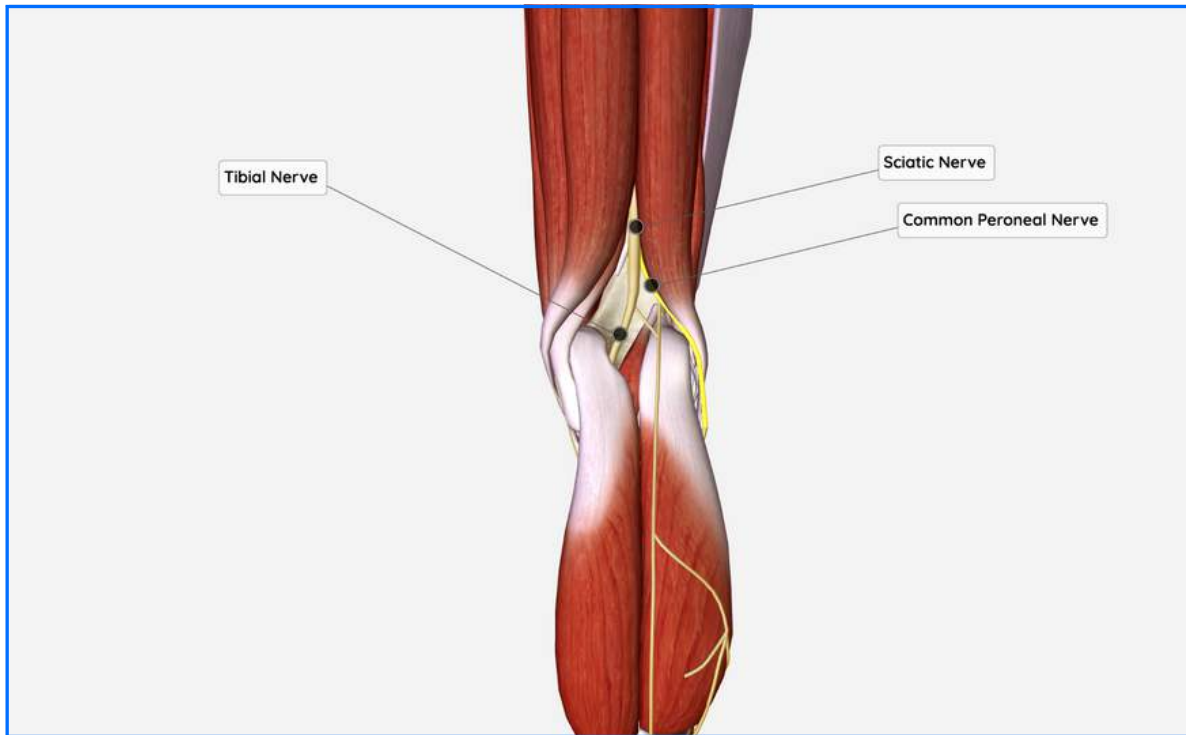
Nerve Supply: Sciatic Nerve

Sciatic Nerve



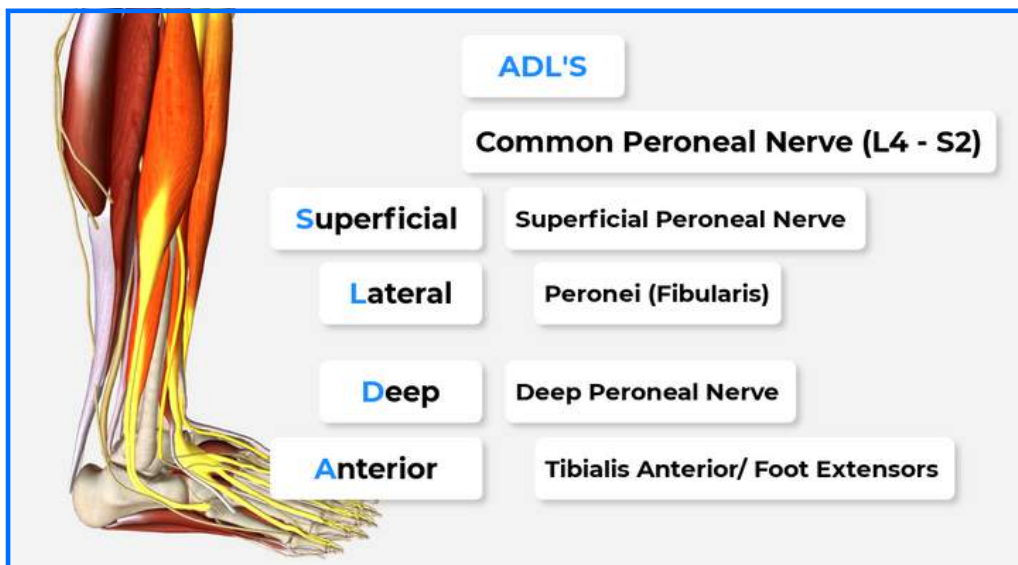
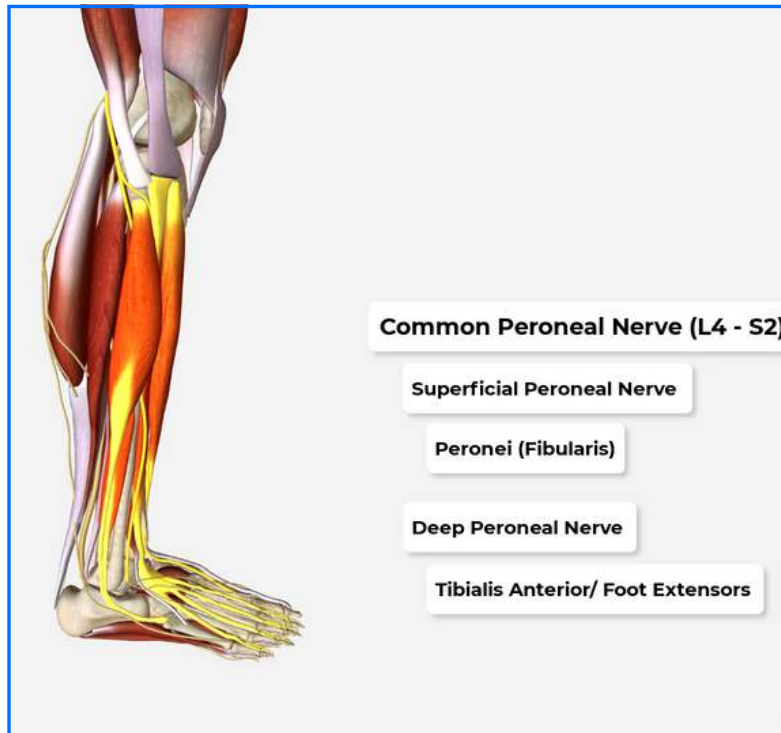
Nerve Supply: Sciatic Nerve

Tibial Nerve



Nerve Supply: Peroneal Nerves

Common Peroneal Nerve



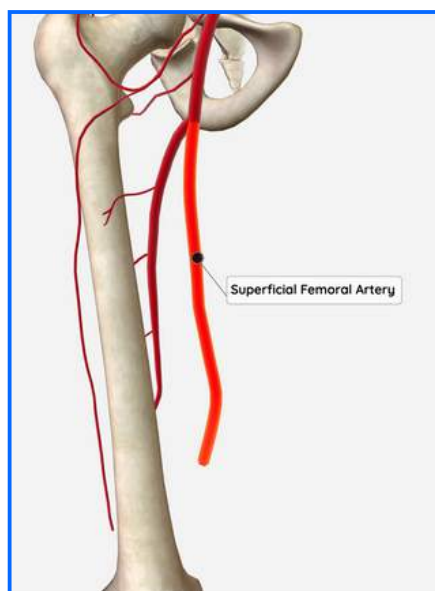
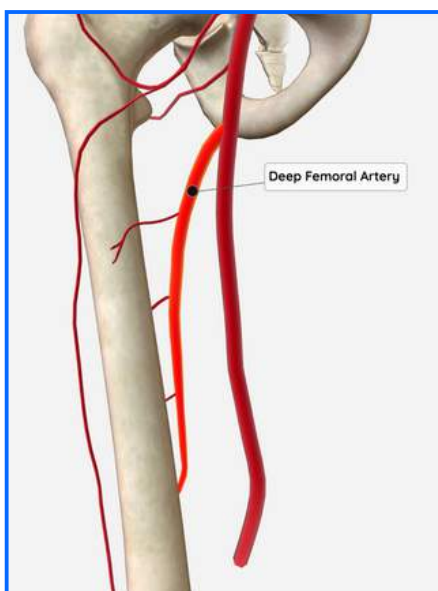
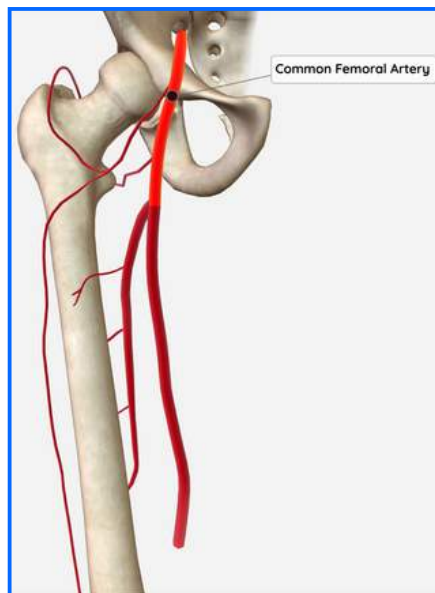
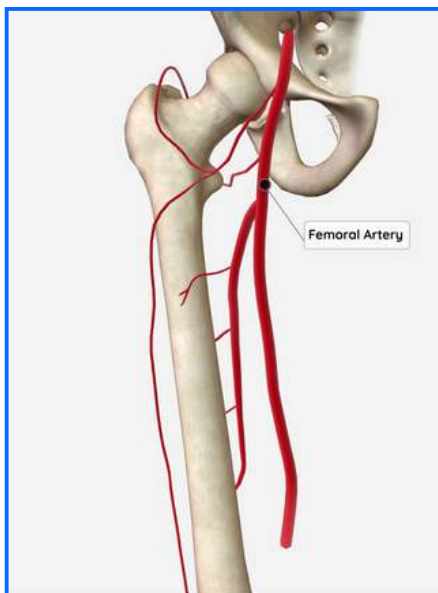
Blood Supply: Femoral Artery

Blood Supply

In this section we will go through the blood supply so that you are more familiar with the vascular anatomy as it relates to the knee. Now why is this of relevance?

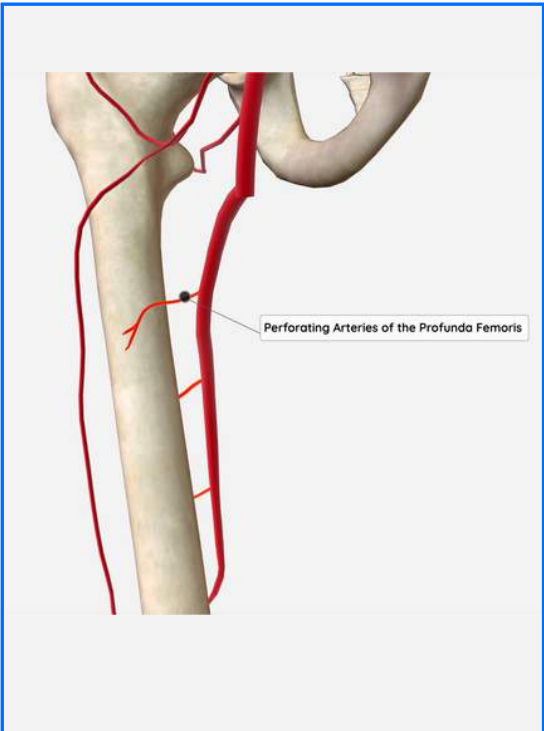
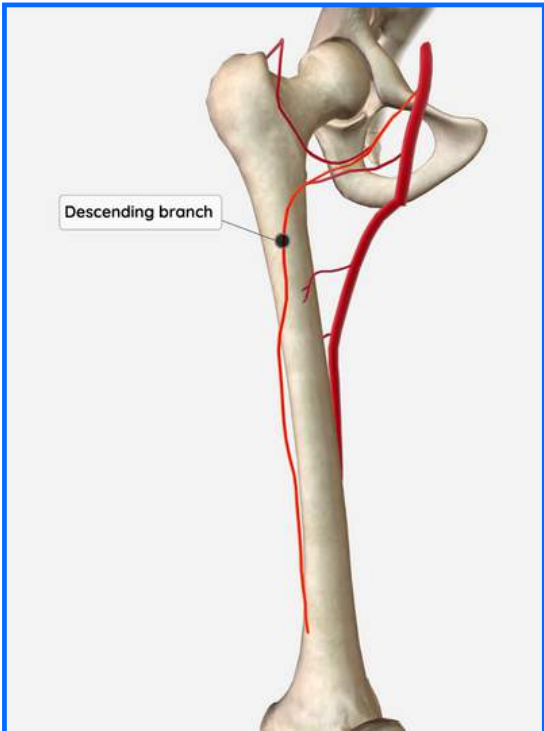
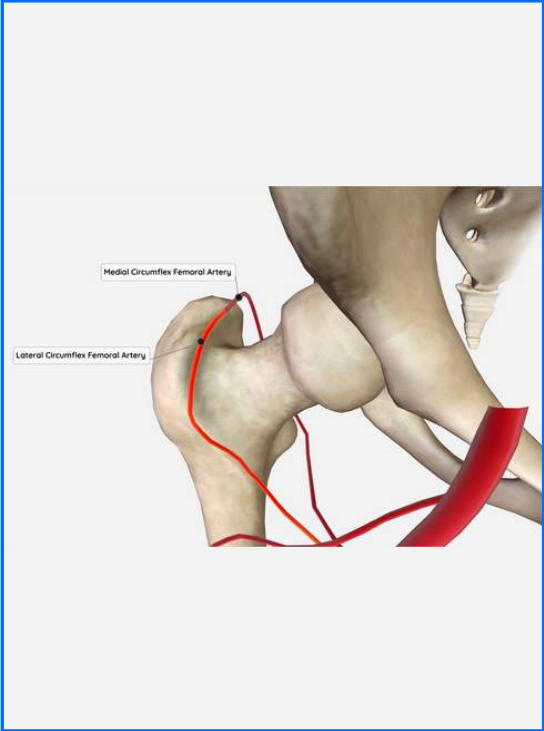
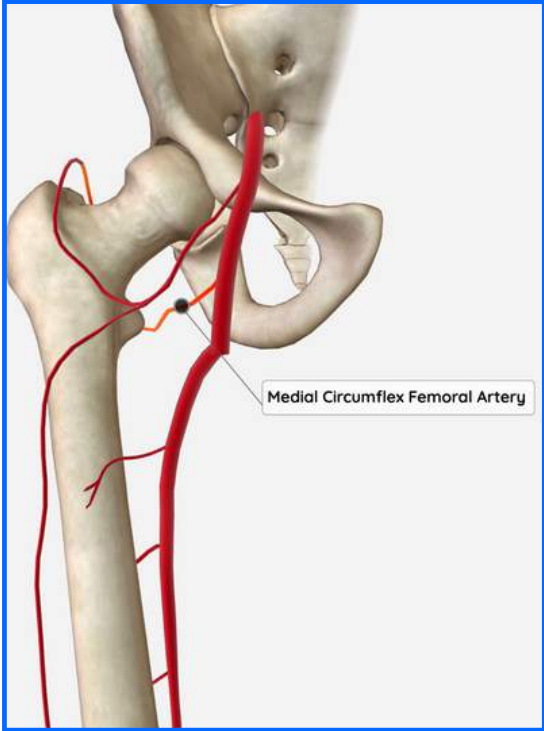
Remember that in practice patients can present with vascular insufficiency (called peripheral vascular disease) it presents with a vague aching in the vascular area affected and so just having some understanding can really help when you then see someone with non musculoskeletal pain and a history of vascular disease/ risks.

Femoral Artery



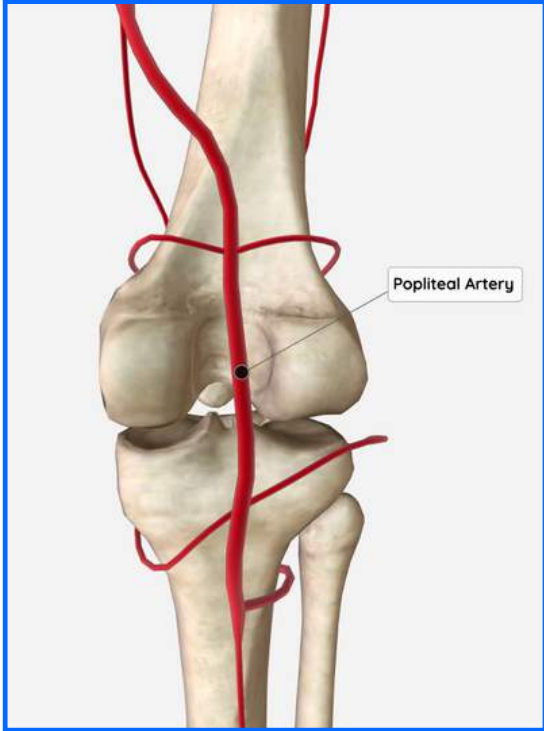
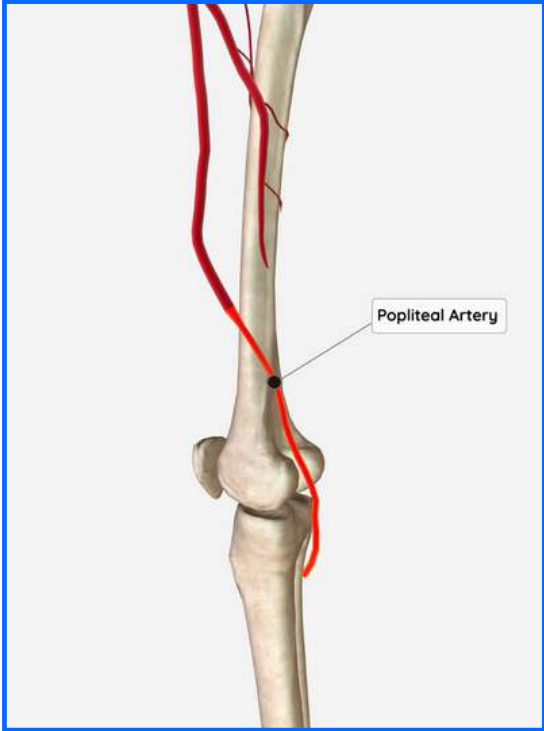
Blood Supply: Femoral Artery

Branches of Femoral Artery



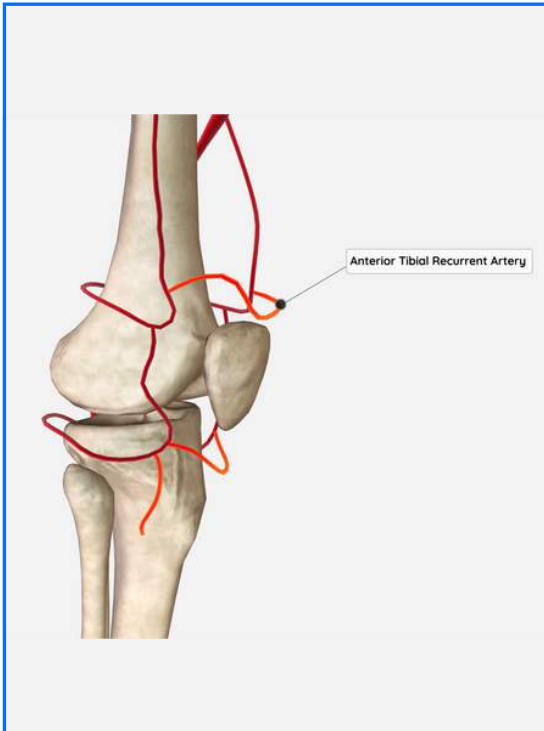
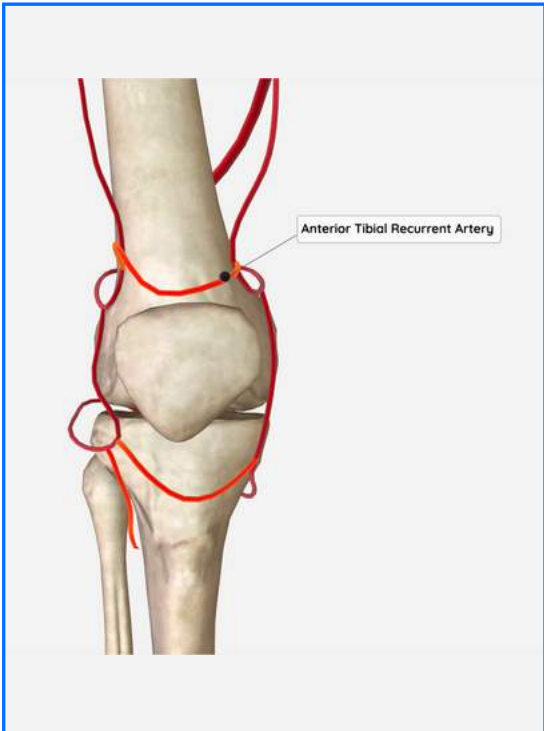
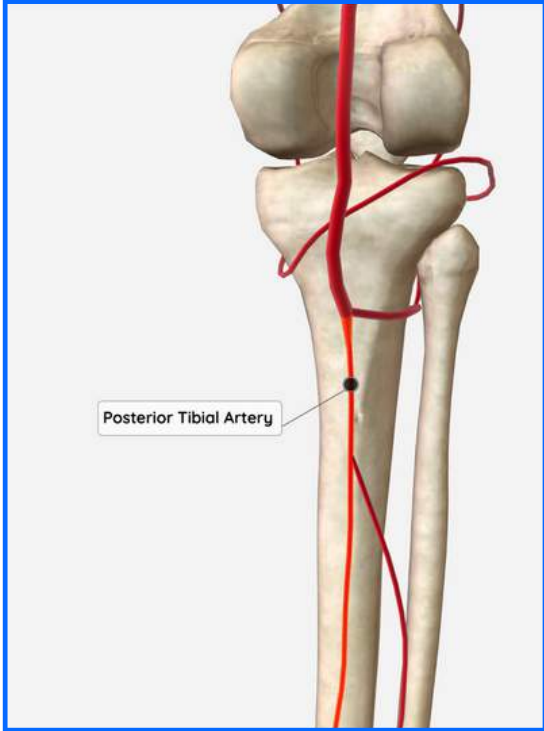
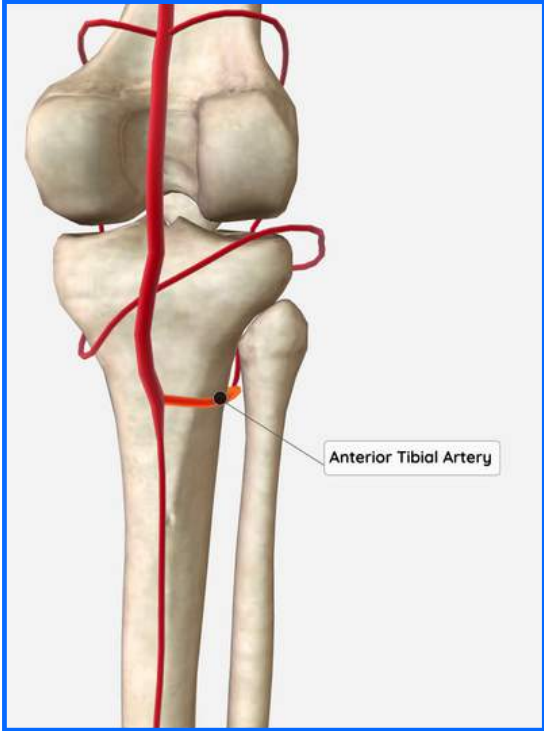
Blood Supply: Popliteal Artery

Popliteal Artery



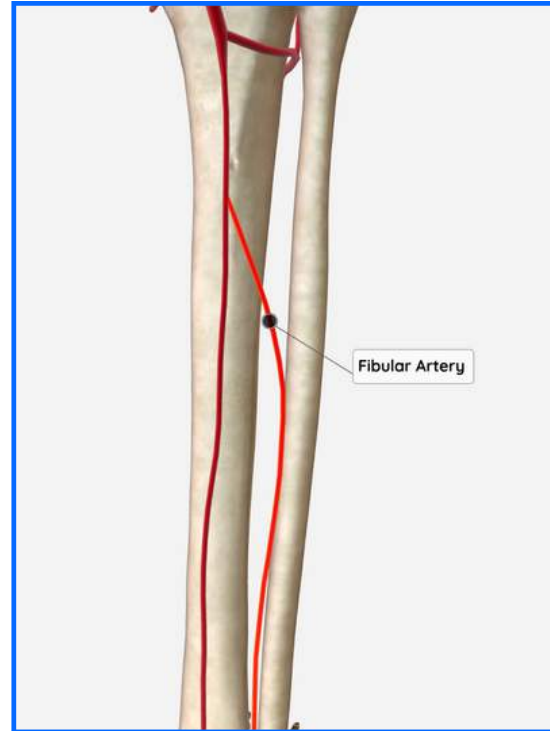
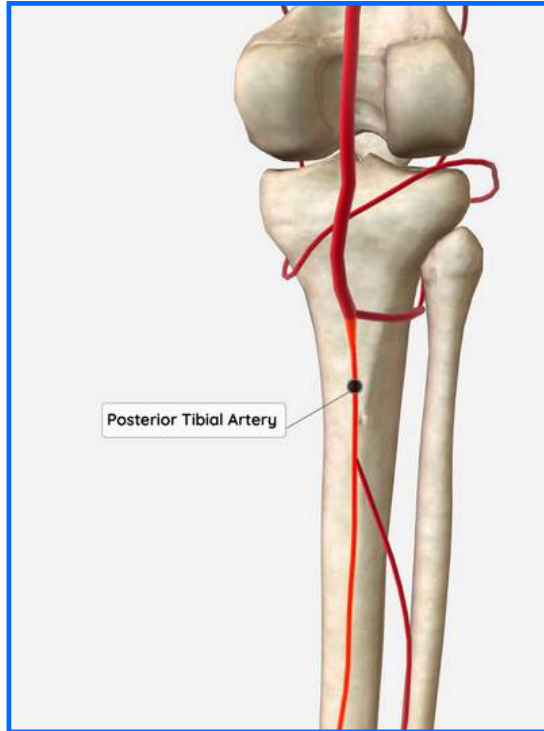
Blood Supply: Tibial Arteries

Tibial Artery



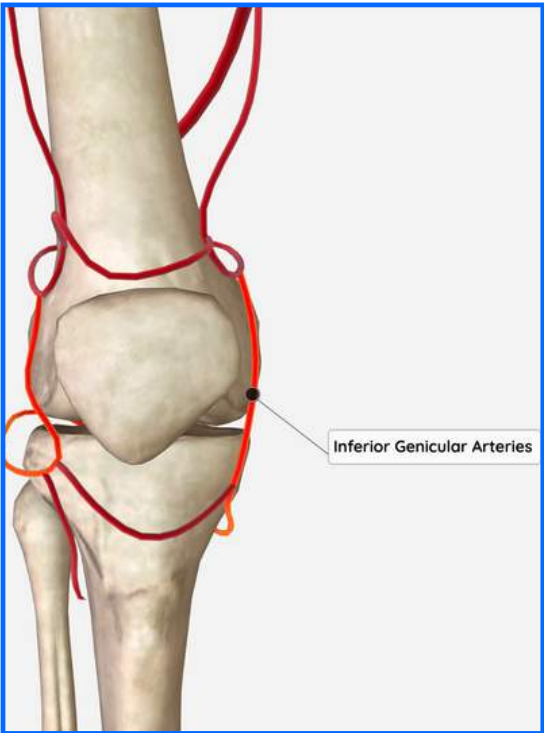
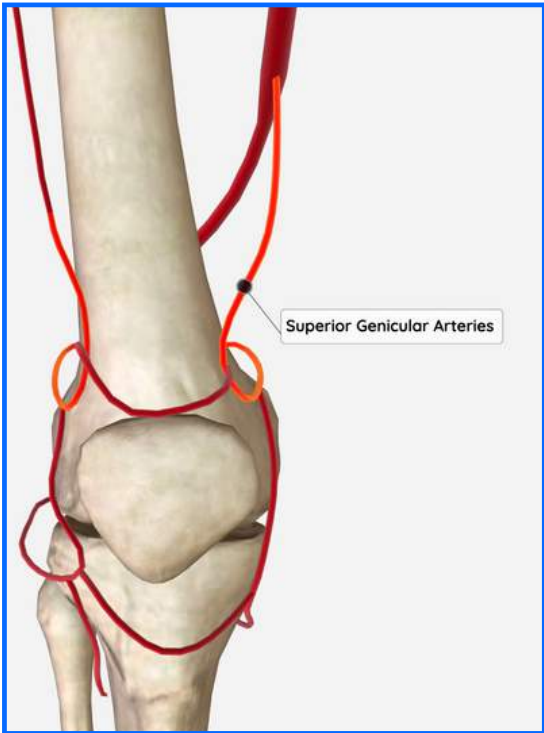
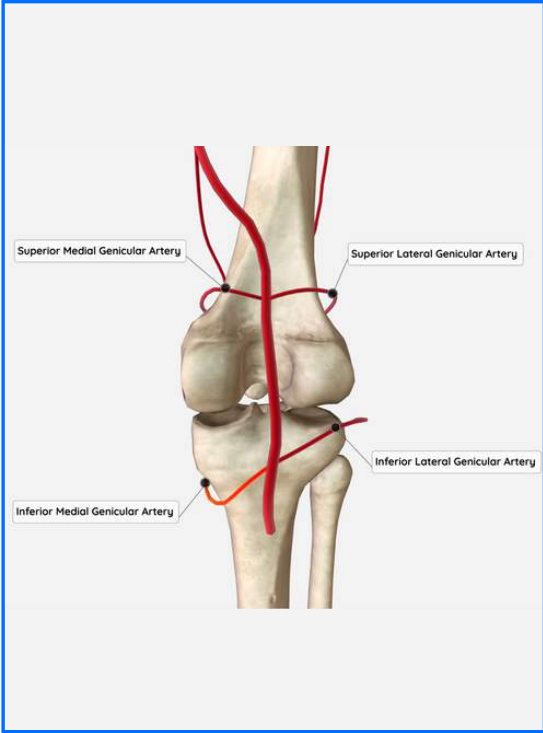
Blood Supply: Tibial Arteries

Fibular Artery



Blood Supply: Genicular Arteries

Genicular Arteries



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