

Conference Abstract

DAY 2 16th September 2023 (Saturday)

POSTER

11.00 am-12.00 pm

Scientific Session 2

Anatomical variation in origin of Medial and Lateral circumflex femoral artery found in cadaver - A case Report**Gundigi Varshitha, Najma Mobin, Vidya C.S**

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Background: The Profunda femoris artery is one of the largest branches of femoral artery. It is the major blood vessel to the thigh. The course and ramification of the lower limb vessels have received much attention by the radiologists during interventional procedures like arteriography, ultrasonography, and Doppler imaging techniques. Hence, accurate knowledge about the profunda femoris artery and circumflex arteries is highly recommended.

Aim: To identify variation in the origin and branches of profunda femoris artery during the cadaveric dissection.

Method: During the routine dissection with MBBS batch (2022-2023) students in the Department of the Anatomy at JSS Medical College, we observed a rare variation in the arterial supply of the lower limb of a male cadaver.

Observation: The variation was found in 55-years-old male cadaver which showed the anatomical origin of the medial and lateral circumflex femoral arteries. They both were arising from the common femoral trunk instead of the deep circumflex femoral artery. This variation was found to be in 15% of people. The profunda femoris artery is usually posterolateral in position, but here it was medial in position. This is a rare case found only in 3.31% of the population.

Conclusion: It is an important to note such a rare variation in order to classify the branching patterns of profunda femoris artery in future. A complete understanding of the anatomy of profunda femoris artery and its variations is necessary to avoid complications during arterial replacements and surgical implications.

Keywords: Medial circumflex femoral artery, Lateral circumflex femoral artery, common femoral artery, Profunda femoris artery.