

Conference Abstract

DAY 1 15th September 2023 (Friday)

ORAL 1

2.00-3.30 pm

Scientific Session 1

**Variations in Number of Branches of Median Nerve Supplying Pronator Teres Muscle -
A Human Cadaveric Case Study****Aruni C S, C Lavanya Varma, Priya Ranganath**

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Background: Median nerve is a major nerve which supplies the muscles of forearm. It passes between the two heads of pronator teres muscle which is a superficial muscle of forearm and supplies the muscle. Several variations have been found in the number of branches to pronator teres. And this area is more common for nerve entrapment.

Aim: To understand branches given off by the median nerve in relation to the pronator teres muscle.

Materials and Methods: Present study was done by dissecting the human cadavers available in the Department of Anatomy, Bangalore Medical College and research institute, Bangalore. The total number of 60 specimens were studied in the present work (30 right upper limbs and 30 left upper limbs) number of branches to the pronator teres was recorded.

Results: In the present study 60 formalin fixed adult cadaveric upper limbs, it was observed that 28 pronator teres muscles with two branches of median nerve, 18 muscles with 3 branches, 12 muscles with 4 branches and 2 muscles with 5 branches. Out of 60 specimens, 58 had the nerve passing between the two heads of the muscle.

Conclusion: Number of branches of median nerve to the pronator teres muscle and their level of origin is of significance for various surgical procedures involving this muscle. Relation of the median nerve to pronator teres muscle is to be analysed for diagnosis of entrapment neuropathies.

Key words: Median Nerve, Pronator Teres.