

Conference Abstract

DAY 2 16th September 2023 (Saturday)

POSTER

11.00 am-12.00 pm

Scientific Session 7

A study of morphometric and morphological variations of Lister's tubercle**Ameen Hussain, Shivpriya, Seema**

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Background: Lister's tubercle is found on the dorsal distal radius. Lister's tubercle is used as a standard anatomical landmark in hand surgery and arthroscopy procedures. It functions as a pulley for the extensor pollicis longus (EPL) tendon before the tendon pivots and turns obliquely to insert onto the distal phalanx of the thumb. Lister's tubercle which serves as a key to identifying both dorsal wrist ganglia & junction of scapholunate joint & dorsal scapholunate inter-osseous ligament.

Aim: To evaluate and propose a classification for anatomical variation of Lister's tubercle.

Methods: The Study will be carried out in 50 dried human bones obtained from the department of anatomy, ESIC Rajajinagar, Bengaluru. The measurements of both left and right Lister's tubercle of radius bone will be measured using a sliding vernier calliper. The data will be analyzed statistically. All the observations will be presented in graphs and images.

Result: The morphological classification and its sub-types will be noted and a detailed morphometric valuation with statistics will be discussed during presentation.

Conclusion: The anatomical localization and morphometric data of Lister's Tubercle will be useful in various surgical procedures like screw fixation in volar plating and micro nail techniques.

Key words: Lister's tubercle, Extensor pollicis longus tendon, Scapholunate joint.