

Morphological Study of Sesamoid Bones of Thumb in South Indians

Authors : B. V. Murlimanju, R. Abisshek Balaji, Apoorva Aggarwal, Mangala M. Pai

Abstract : Background: Since the literature is scarce from the South Indian population about the sesamoid bones of the thumb, the present study was undertaken. The objective of the present study was to figure out the muscle of the thumb which contain these sesamoid bones. Methods: The present study included 25 cadaveric thumbs, which were obtained from the anatomy laboratory of our institution. Thumbs were studied for the prevalence of sesamoid bones at the metacarpophalangeal and interphalangeal joints. The muscle which contain these sesamoid bones were identified. Results: The present study observed that, there were 2 sesamoid bones (92%) at the metacarpophalangeal joint of the thumb each at its medial and lateral aspect. The medial sesamoid bone was found inside the adductor pollicis muscle and lateral one was found either in the flexor pollicis brevis muscle or abductor pollicis brevis muscle. However, among the 25 thumbs being studied, 2 thumbs (8%) had solitary sesamoid bone. The interphalangeal joint of the thumb exhibited only one sesamoid bone at the median plane. Conclusion: The morphological data of the present study from the South Indians can be used as a database, which is enlightening to the operating hand surgeon and radiologist.

Keywords : morphology, muscles, sesamoid bones, thumb

Conference Title : ICCPS 2018 : International Conference on Cosmetic and Plastic Surgery

Conference Location : Tokyo, Japan

Conference Dates : March 27-28, 2018