



© Kamla-Raj 2017

Taylor & Francis
Taylor & Francis GroupAnthropologist 27(1-3): 121-124 (2017)
DOI: 10.1080/09720073.2017.1312801

Case Report: Uncommon Insertion of the Extensor Pollicis Longus Muscle: Clinical and Anthropological Significance of this Variation

T. Colak¹, B. Bamac², Orha A. Tekin³, A. Ozbek⁴ and O.B. Ozturk⁵

Kocaeli University Department of Anatomy, Umuttepe Yerleskesi 41380, Kocaeli, Turkey
Telephone: + 90 506 466 0464, Fax: +90 (262) 303 10 33

E-mail: ¹<tuncaycolak@live.com>, ²<bbamac@hotmail.com>, ³<aylatekin@hotmail.com>

KEYWORDS Anthropology. Extensor Pollicis Longus. Extensor Tendon Variation

ABSTRACT The role of the hand width anthropometric measurement in the estimation of grip strength is seen to be approximately fifty percent. Variation in the extensor pollicis longus muscle is important in daily life based on the fact that the thumb plays an important function, which is to grab objects and to hold them between two fingers. In this study, dissection was being performed on a male cadaver, approximately 55-year-old at the Department of Anatomy, Kocaeli University. Researchers encountered a unilateral extensor pollicis longus muscle variation that took origin from posterior of the radius and continued at medial side of the extensor pollicis brevis muscle and then ended at the tuberculum radii, whereas the extensor pollicis longus muscle had to end at distal phalange of the thumb. Therefore, information about the anatomic variations of hand and wrist muscles is not for anatomists alone but it is also important for surgeons. For these reasons, it is necessary to follow the variations in the forearm extensor region.