

Conference Abstract

DAY 2 16th September 2023 (Saturday)

POSTER

11.00 am-12.00 pm

Scientific Session 3

A Case Report on Tricipital Tendon of Biceps Brachii Muscle**Harsh Raj, Suganitha Balasundaram, Vasudha Kulkarni**

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Introduction: Biceps brachii muscle frequently exhibits variant morphology in terms of origin, insertion, and mode of innervation. Nevertheless, the three-headed biceps brachii is described to be the interesting variation. Supernumerary or additional heads of Biceps brachii accounts from one head up to seven heads. The presence of additional heads of biceps brachii vary depending on race, sex and laterality. The right upper limb is the most common location for an additional head of the Biceps Brachii.

Case report: During routine dissection of upper limb of a 52-year-old male cadaver AIMS & RC, Bangalore the third head of the Biceps Brachii was found in the right upper limb. It originated from medial surface of the shaft of humerus along with insertion of coracobrachialis. The third head was situated between the attachment points of the Coracobrachialis and the Brachialis muscles. The attachment and path of the long and short heads of Biceps Brachii were normal bilaterally. Then all three heads of biceps were fused at the cubital fossa to get inserted into the radial tuberosity. All 3 heads of Biceps are supplied by Musculocutaneous nerve separately. The Median nerve and Brachial artery are related medial to third head of Biceps muscle.

Conclusion: Understanding the presence of these additional heads and the associated variations are crucial as they can lead to clinical symptoms by compressing nearby neurovascular structures. Additionally, this knowledge plays a vital role in accurately identifying these variations during medical imaging and preventing unintentional injuries during surgical procedures. The comprehension of these extra heads is also significant in managing muscle injuries and tendon reconstruction surgeries. Furthermore, it can impact the movement of the joints that the muscle acts upon.

Key words: tricipital Biceps Brachii, Supernumerary, Additional head [1] MBBS Phase 1 student