

Action.—The muscle being represented throughout by tendon is functionally useless.

Relations.—This tendon is concealed by the alar aponeurosis, and lies partly under cover of the tendon which, in the Spheniscidae, represents the extensor communis digitorum. It is in part continuous with the external lateral ligament of the elbow joint.

Variations.—In *Eudyptes chrysocome* from Kerguelen I found this tendon inserted into the middle in length of the radial border of the ulnar metacarpal bone. The same arrangement obtains in *Aptenodytes longirostris*.

Remarks.—Schoepss found this tendon inserted into both radial and ulnar metacarpal bones. In figure 1 plate v. attached to Schoepss' paper, the numbers 23 (which in accordance with the text ought to be 33) and 37, indicating the extensor carpi ulnaris and extensor communis digitorum respectively, ought to be reversed.

4. *Flexor metacarpi brevis.*

Le court fléchisseur de l'os du métacarpe, Vicq d'Azyr, 1773, p. 577, No. 3.

Flexor brevis metacarpi, Tiedemann, p. 320, No. 6.

Der kurze Beuger des Mittelhandknochens, Heusinger, p. 196, No. 27.

Muscle No. 4, Meckel, vol. vi. p. 58, No. 4.

Kurze Beuger der Mittelhand, Schoepss, p. 156, No. 36.

Flexor carpi radialis, Selenka, vol. vi. p. 134, No. 65.

Le court adducteur de la main, Gervais and Alix, p. 28.

Attachments.—This muscle arises by means of a narrow tendon from the lower end of the posterior border of the ulna, immediately above the wrist joint. The fibres pass downwards, and are inserted without the intervention of tendon into the upper half of the ulnar metacarpal bone.

Action.—This muscle flexes the wrist joint.

Relations.—It is covered by the alar aponeurosis, and rests against the outer surface of the ulnar carpal bone.

Nerve supply (?)

Variations.—In *Eudyptes chrysocome* from Kerguelen this muscle is inserted into the whole length of the ulnar metacarpal bone. This is also the case in *Spheniscus demersus*.

Remarks.—According to Gervais and Alix, this muscle in *Eudyptes chrysolophus* is inserted into the whole length of the ulnar metacarpal bone.

5. *Adductor metacarpi.*

Der kleine Mittelhandstrecker, Wiedemann, p. 93.

Ellenbogenstrecker der Mittelhand, Tiedemann, p. 319, No. 3.

Der Ellenbogenbein-Mittelhandstrecker, Heusinger, p. 188, No. 24.