

MUSCLES OF THE LEG.

(α) MUSCLES INSERTED INTO THE FEMUR.

1. *Gluteus medius*.

- Moyen fessier*, Vicq d'Azyr, 1774, p. 495, No. 4.
Moyen fessier, Cuvier, vol. i. p. 355, No. 6.
Der grosse Hüftmuskel, Merrem, fig. 3, I.
Der grosse Gesässmuskel, Wiedemann, p. 95.
Der grosse Gesässmuskel, Tiedemann, p. 326, No. 1.
Moyen fessier, Meckel, vol. vi. p. 79, No. 1.
Gluteus minimus (?), Reid, p. 143.
Gluteus medius, Owen, p. 34.
Gluteus medius, Selenka, vol. vi. p. 139, No. 76.
Moyen fessier, Gervais and Alix, p. 31.

Attachments.—The *gluteus medius* arises from the whole of the external surface of the iliac bone as far back as the posterior border of the acetabulum, as well as from the adjoining hollowed surface formed by the fifth, sixth, and seventh lumbo-sacral vertebræ. The fibres pass nearly horizontally backwards and are inserted by means of a stout tendon into a depression on the outer surface of the great trochanter of the femur.

Action.—The principal action of this muscle is to rotate the femur at the hip joint in such a manner as to carry the foot outwards from the trunk. The posterior fibres of the muscle, moreover, act as direct abductors of the thigh bone.

Relations.—Superficially it is concealed by the sartorius and tensor fasciæ femoris. In contact with its lower border is the *gluteus minimus*. Its insertion is close to, and rather higher than that of the obturator externus.

Nerve supply.—A branch of the anterior crural, which is given off immediately after the latter escapes from the pelvis.

Remarks.—As observed by Gervais and Alix in *Eudypetes chrysolophus*, the "pyramidalis," which in the majority of birds is quite distinct from the *gluteus medius*, is fused with the posterior border of the latter in every species of Penguin which I have examined. The direction of the fibres as distinguished from those of the *gluteus medius* alone indicates its presence.

2. *Gluteus minimus*.

- Petit fessier*, Vicq d'Azyr, 1774, p. 495, No. 6.
Petit fessier, Cuvier, vol. i. p. 357.
Der kleine Hüftmuskel, Merrem.
Der vordere Darmbeinmuskel, Wiedemann, p. 95.
Der kleine Gesässmuskel, Tiedemann, p. 327, No. 3.
Muscle No. 2, Meckel, vol. vi. p. 80, No. 2.