

5. *Transverse hyoid muscle.*

*Muscle No. 7*, Owen (*Cyclopædia of Anatomy*), vol. i. p. 316.

*Hyo-glosse transverse*, Cuvier, vol. iii. p. 269, No. 2.

*Releveur de la langue*, Meckel, vol. viii. p. 173, No. 2.

*Hyödien transverse*, Gervais and Alix, p. 18.

*Attachments.*—This muscle is composed of a single bundle of transversely arranged muscular fibres, which stretch across the lower surface of the hyoid bone, immediately in front of the articulation of the apo-hyals with the basi-hyal element. Its fibres are in part *inserted* into the lateral borders of the base of the glosso-hyal cartilage, and in part into those of the basi-hyal bone.

*Action.*—In contracting, this muscle arches the dorsal surface of the tongue and depresses the tip of that organ. It thereby renders prominent the large papillæ which invest the dorsal surface of the tongue.

*Nerve supply* (?)

6. *Mylo-hyoid muscle.*

*Genio-hyödien*, Vicq d'Azyr, 1773, p. 585, No. 1.

*Der rautenförmige Kehlmuskel*, Wiedemann, p. 70.

*Quer-Kiefer-Zungenbeinmuskel*, Tiedemann, p. 120, No. 1.

*Mylo-hyödien*, Cuvier, vol. iii. p. 245, No. 1.

*Muscle transverse de la mâchoire inférieure*, Meckel, vol. viii. p. 175, No. 2.

*Mylo-hyödien*, Gervais and Alix, p. 19.

*Attachments.*—The mylo-hyoid muscle consists of a number of muscular fibres, which fill up the interval between the rami of the lower jaw, to both of which they are attached posteriorly to the symphysis. A few of the posterior fibres extend beyond the rami of the lower jaw, and are attached to the zygomatic arch of each side.

*Action.*—This muscle elevates the hyoid bone and tongue.

*Relations.*—The mylo-hyoid muscles of opposite sides form, as it were, a floor upon which the hyoid bone and its muscles already described rest. Posteriorly its fibres are in series with the circular fibres of the cutaneous muscle of the neck. It takes no attachment to the hyoid bone.

*Nerve supply* (?)

7. *Thyro-hyoid muscle.*

*Thyro-hyödien*, Vicq d'Azyr, 1773, p. 581, No. 2.

*Kehlkopf-Zungenbeinmuskel*, Tiedemann, p. 122, No. 5.

*Thyro-hyödien*, Gervais and Alix, p. 18.

*Attachments.*—This muscle may be regarded as a continuation forwards of the contractor tracheæ muscle. It *arises* from the lower as well as from the lateral surface of the thyroid