

Muscular triangle

Muscular triangle (or omotracheal triangle) is an unpaired area located in the **anterior region of the neck**.

Boundary

Cranially, the muscular triangle is bounded by the tongue (Hyoid bone), **laterally** on both sides it is delimited by the superior bellies of omohyoid muscles, and **below** by sternocleidomastoid muscles, which partly also form the **caudal** boundary together with the jugular notch of the sternum.

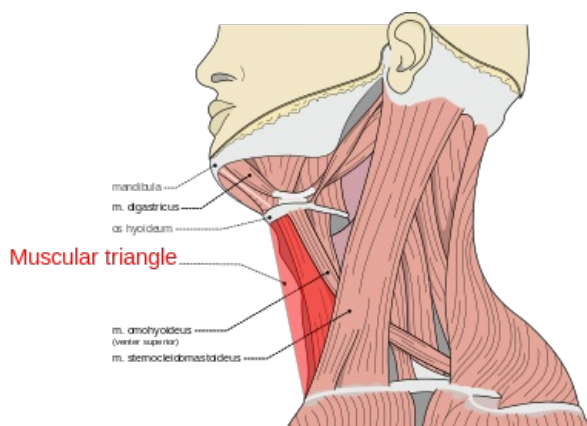
Ventral to this region, located in the uppermost layer, is platysma, branches of the anterior jugular veins and the **superficial neck fascia** (lat. *lamina superficialis fasciae cervicalis*). In the deeper layer, we find a group of infrahyoid muscles in the **middle cervical fascia** (lat. *lamina pretrachealis fasciae cervicalis*). Beneath this fascia is the **visceral space** i.e. the proper space of the muscular triangle and its contents. The **floor** is formed by the *lamina prevertebralis fasciae cervicalis*.

Contents

The content of this region is the larynx (larynx), the cervical part of the trachea (trachea), the thyroid gland (thyroid gland), the parathyroid glands, the caudal part of the pharynx (pharynx) and the neck section of the esophagus (Oesophagus).

Superior thyroid vessels, superior laryngeal vessels, inferior thyroid artery, recurrent laryngeal nerve and unpaired thyroid plexus pass through vessels and nerves .

The palpable point in this area is the **uvula** (Hyoid bone) at the level of C3 and the **prominence of the larynx** at the level of C4 .



Scheme of the cervical region and its structures

Links

Related Articles

- Neck muscles
- Tracheostomy
- Coniotomy

References

- GRIM, Miloš – DRUGA, Rastislav. *Základy anatomie. 5., Anatomie krajín těla.* 1. edition. Galén : Karolinum, 2002. 119 pp. ISBN 80-7262-179-3.
- ČIHÁK, Radomír – GRIM, Miloš. *Anatomie.* 3. edition. 2013. ISBN 978-80-247-4788-0.