

Core Surgical Anatomy – Learning outcomes

Head 2 – Face, oral cavity, muscles of mastication, CN V and VII

1. Describe the anatomy of the individual layers of the scalp. Describe the significance of its blood supply, particularly in relation to laceration injuries.
2. Describe the main muscles of the face and summarise their nerve supply and the consequences of injury to their nerve supply.
3. Describe the anatomy of the eyelid, conjunctiva and lacrimal gland. Explain their importance for the maintenance of corneal integrity.
4. Describe the anatomy of the temporomandibular joint. Explain the movements that occur during mastication and describe the muscles involved and their innervation.
5. Describe the course and major branches of the maxillary artery, including the course and intracranial relations of the middle meningeal artery and its significance in extradural haemorrhage.
6. Describe the anatomy of the sensory and motor components of the trigeminal nerve, including how their integrity is tested clinically.
7. Describe the functional anatomy of the auricle, external auditory meatus, tympanic membrane, auditory ossicles and pharyngotympanic tube.
8. Describe the anatomy of the parotid, submandibular and sublingual salivary glands, the course of their ducts into the oral cavity and their autonomic secretomotor innervation.
9. Describe the boundaries and major features of the oral cavity and summarise its sensory innervation.

10. Describe the anatomy of the tongue, including its motor and sensory innervation and the role of its extrinsic and intrinsic muscles. Explain the deviation of the tongue on protrusion following hypoglossal nerve injury.
11. Describe the anatomical arrangement of the lymphoid tissue in the pharyngeal and posterior nasal walls.
12. Describe the anatomy, function and innervation of the muscles of the pharynx and soft palate. Describe the components of the gag reflex and how they are tested.
13. Describe the stages of swallowing and the functions of the muscles of the jaw, cheek, lips, tongue, soft palate, pharynx, larynx and oesophagus, during swallowing.