

Core Surgical Anatomy – Learning outcomes

Head 1 – Bones of skull, skull base, dura, venous sinuses

1. Describe the boundaries, walls and floors of the cranial fossae.
2. Describe the relationships between the structures of the brain and the anterior, middle and posterior cranial fossae.
3. Identify the major foramina of the skull, both internally and externally, and list the structure(s) that each transmits.
4. Describe the reflections of the dura mater and the formation of the venous sinuses.
5. Describe the anatomy of the dural venous sinuses. Explain the entrance of cerebral veins into the superior sagittal sinus in relation to subdural haemorrhage. Explain how connections between sinuses and extracranial veins may permit intracranial infection.
6. Describe the boundaries of the orbit, the globe of the eye and the location, actions and nerve supply of the intrinsic and extraocular muscles. Explain the consequences of injury to their nerve supply.
7. Describe the bones of the nasal cavity, in particular the major features of the lateral wall of the nasal cavity. Describe the arteries that supply the lateral wall and nasal septum in relation to epistaxis.
8. Name the paranasal sinuses. Describe their relationship to the nasal cavity and their sites of drainage through its lateral wall. Explain their innervation in relation to referred pain.
9. Describe the intracranial and intrapetrous course of the facial nerve and the relationships of its major branches to the middle ear in relation to damage of the nerve within the facial canal.