Lec#7 anatomy

\*\*the last cranial nerve in the middle fossa is the abducet nerve (6th)
\*\*4 bones contributed in formation of posterior cranial fossa ,,,the largest one is occipital bone

\*\*labryin means …the internal ear
\*\*jugular foramen ,,located between occipital and temporal bone
\*\*sigmoid sinus will continue as internal jugular vein

\*\*hypoglossal nerve is the motor innervations of the muscles of the tongue
\*\*foramen magnum: the largest foramen ,,and it’s a unique foramen because it transit the junction of medulla and spinal cord
it also transimt 2 vertebral arteries and 3 meninges

**circle of willis :**
internal carotid artery from foramen lacerum gives 2 branches
anterior cereblar A and middle cereblar A

 1 branch ..posterior cerebral artery vertebral artery which branch of subclavin A gives
these branches anastomosis together and produce this circle

the vertebral artery binds medially at the junction between C1 and skull

Conclusion : the brain is supplied by branches of ICA and vertebral A\*\*

accessory carnial nerve (11th) :\*\*
 - spinal part from C1 C2 C3,,,
- spinal part and cranial part leaves the skull through jugular foramen ..the spinal part goes - - posterior to supply 2 muscles sternoclidomastoid and trapezius
- cranial part continue with the vagus nerve

**meninges**
\*\*dura mater corves the brain and lines the skull
\*\* flaxi cerebi : formed by union of 2 meningeal layers separating the hemispheres of brain ( left and right ,vertical ) extends from cresta galli to the IOP

\*\* superior sagittal sinus :
 - triangular in shape
 extends from cresta galii anterior to the IOP posterior -
 - it contains venous blood from cerebral vein and CSF which produced by arachonid granulations
 - and its walls formd by dura

\*\*extradural space : between the periosteal layer of dura mater and endostium layer of the skull ,,,,the collected blood there called extradural hemorrhage

\*\*tetorium cerebelli : fromed by double layers of meningeal extends from posterior cleniod process to the IOP ( horizontal ) between cerebrum and cerebellum

\*\*so we have 3 compartments in the cranial cavity 2 for cerebrum hemisphere and 1 for cerebellum

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