NERVOUS SYSTEM

• DR- MAAN ALKHLISY

LECT 4
VENTRICLES OF THE BRAIN
Ventricles of the brain include:
- two lateral ventricles
- third ventricle
- Sylvius aqueduct
- Fourth ventricle
Interventricular foramen (of Monro)
Massa intermedia
Central portion of lat. ventricle
Triangular recess
Ant. commissure
Ant. horn
Optic recess
Optic chiasm
Infundibular recess
Digitate impressions
Impression of the facial collicle
Fourth ventricle
Fastigium
Medullary striae of fourth ventricle
Lat. apertures (foramina of Luschka)
Lat. recess of fourth ventricle
Median sulcus
Median aperture (foramen of Magendie)
Central canal
Production of CSF
Circulation of CSF
Absorption of CSF
Blood supply of the brain:
- two vertebral a. (left & right)
- basilar a.
- two carotid a. (left & right)
Branches of brain arteries
Circle of willis
ARterial Circle of Willis, Details

Anterior cerebral a. (postcommunicual segment)
Anterior communicating a.
Anteromedial central aa.
Optic chiasma
Pituitary stalk
Anterior choroidal a.
Thalamic branches
Hypothalamic branch
Mammillary body
Posteromedial central a.
Superior cerebellar a.
Basilar a.

Middle cerebral a.
Chiasmatic branch
Branch to tail of caudate nucleus
Post. communicating a.
Oculomotor nerve branch
Posterior cerebral a. (postcommunicual segment)
Posterior cerebral a. (precommunicual segment)
Ant. cerebral a.
- Middle cerebral artery
Venous return of the brain
THANK YOU