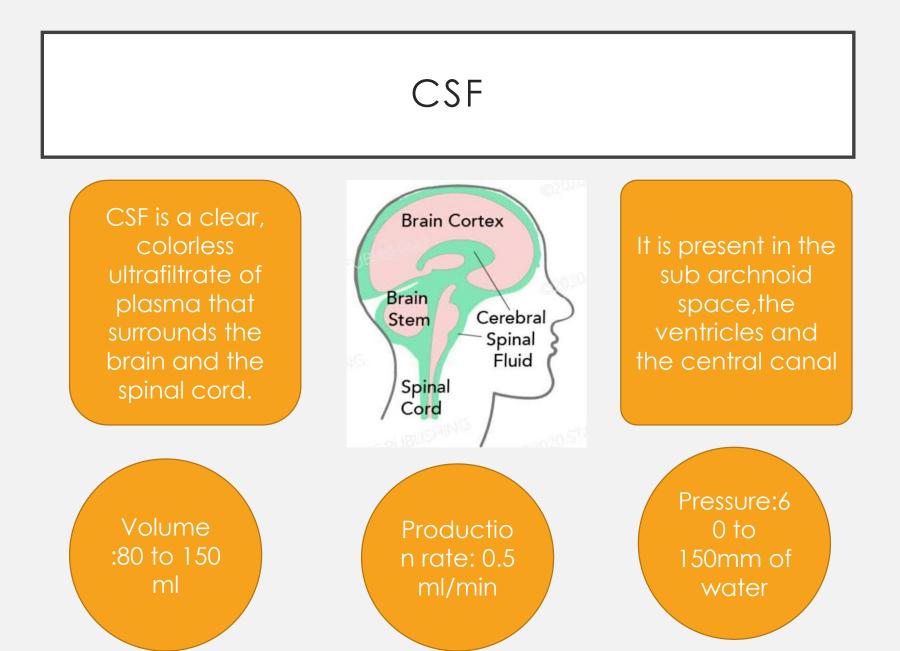
CEREBROSPINAL FLUID

Formation and Ventricle flow

By MALAIKA ALI

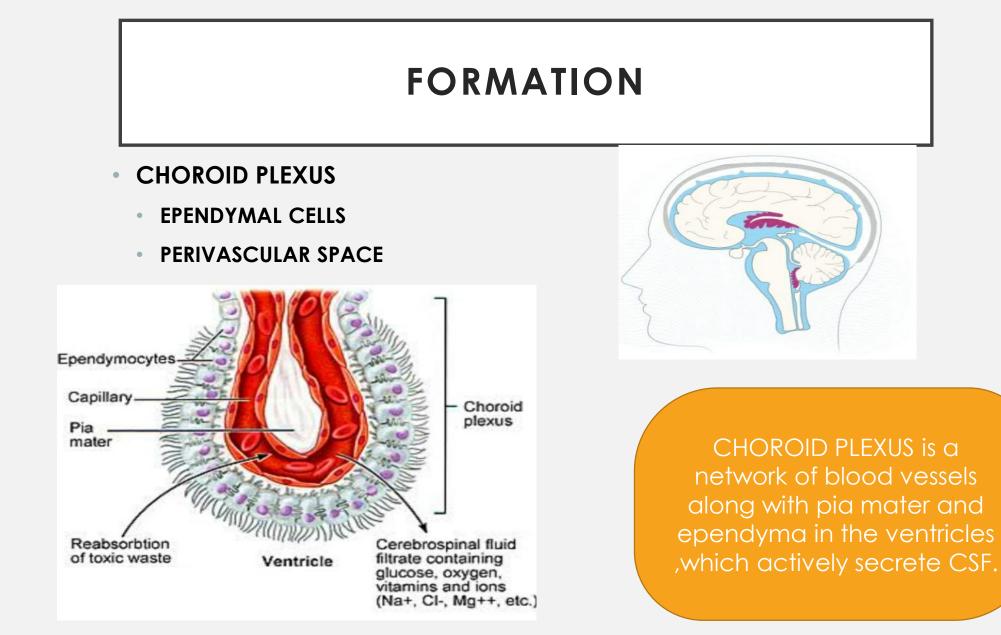


COMPOSITION & FUNCTIONS

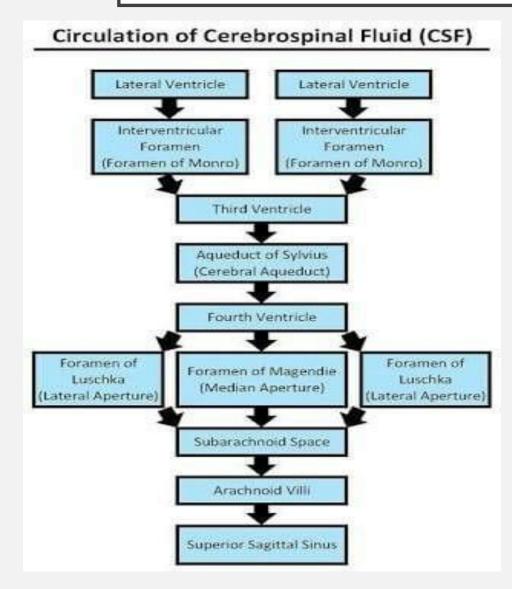
- COMPOSITION:
- Glucose
- Lactic acid
- Urea
 - Proteins
- Lymphocytes
- Na+,K+,Mg++,Ca++
- CI- ,HCO3-

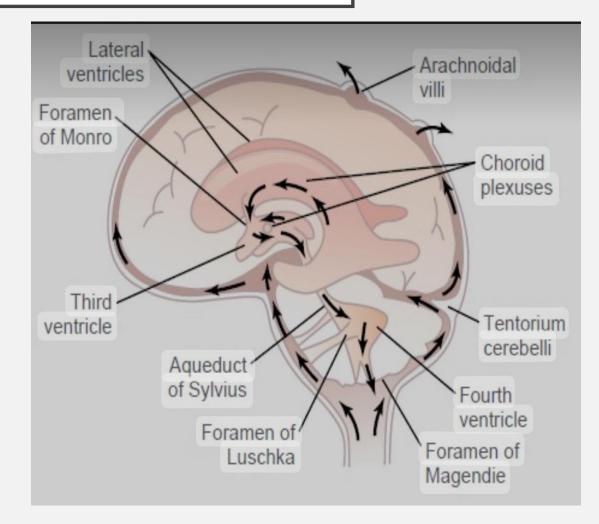
FUNCTIONS:

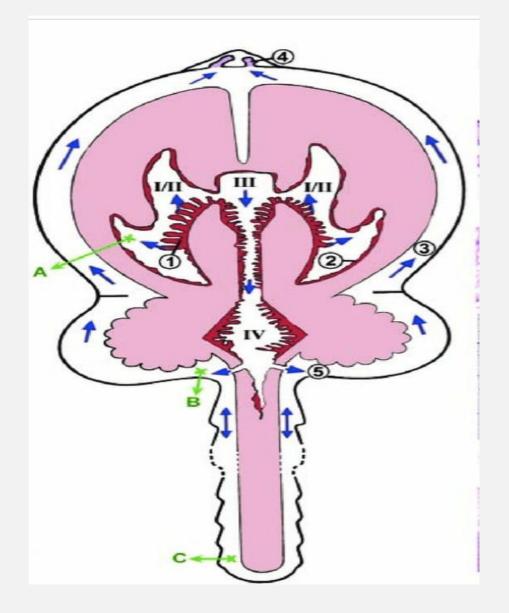
- Nourishment
- Metabolites removal
- Cushions against trauma
- Reservoir for skull contents
- Provides Buoyancy
- Homeostasis
- Apparent loss of brain weight
- Pathway for pineal secretions

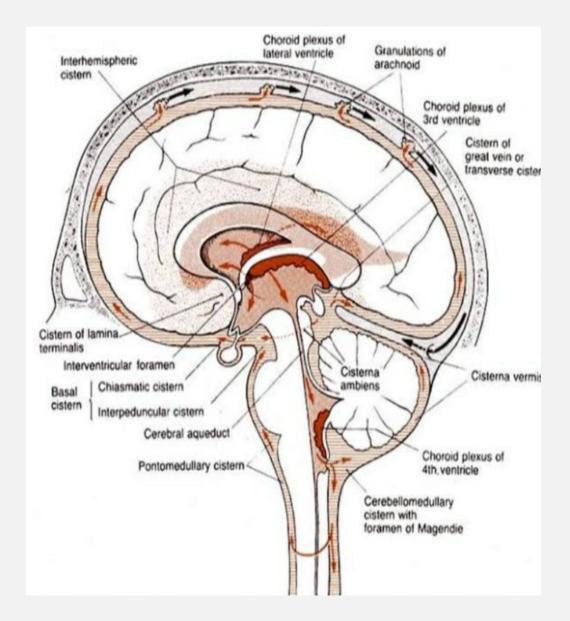


CIRCULATION IN THE VENTRICLES







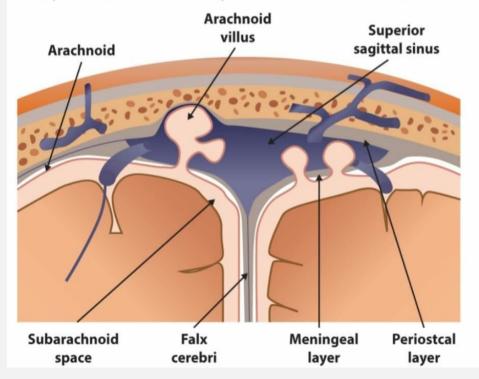


ABSORPTION

ARACHNOID GRANULATION

- It is adiverticulum of sub arachnoid matter in the dural venous sinuses by piercing the dura mater.
- It is composed of arachnoid villi which are the sites of CSF absorption.
- Absorption occurs when CSF pressure exceeds the dural venous pressure
- Are One Way VALVES
- Controls the CSF pressure.

CSF is produced from blood and is returned to the blood
CSF passes from subarachnoid space to dural sinuses via arachnoid villi



THANK YOU