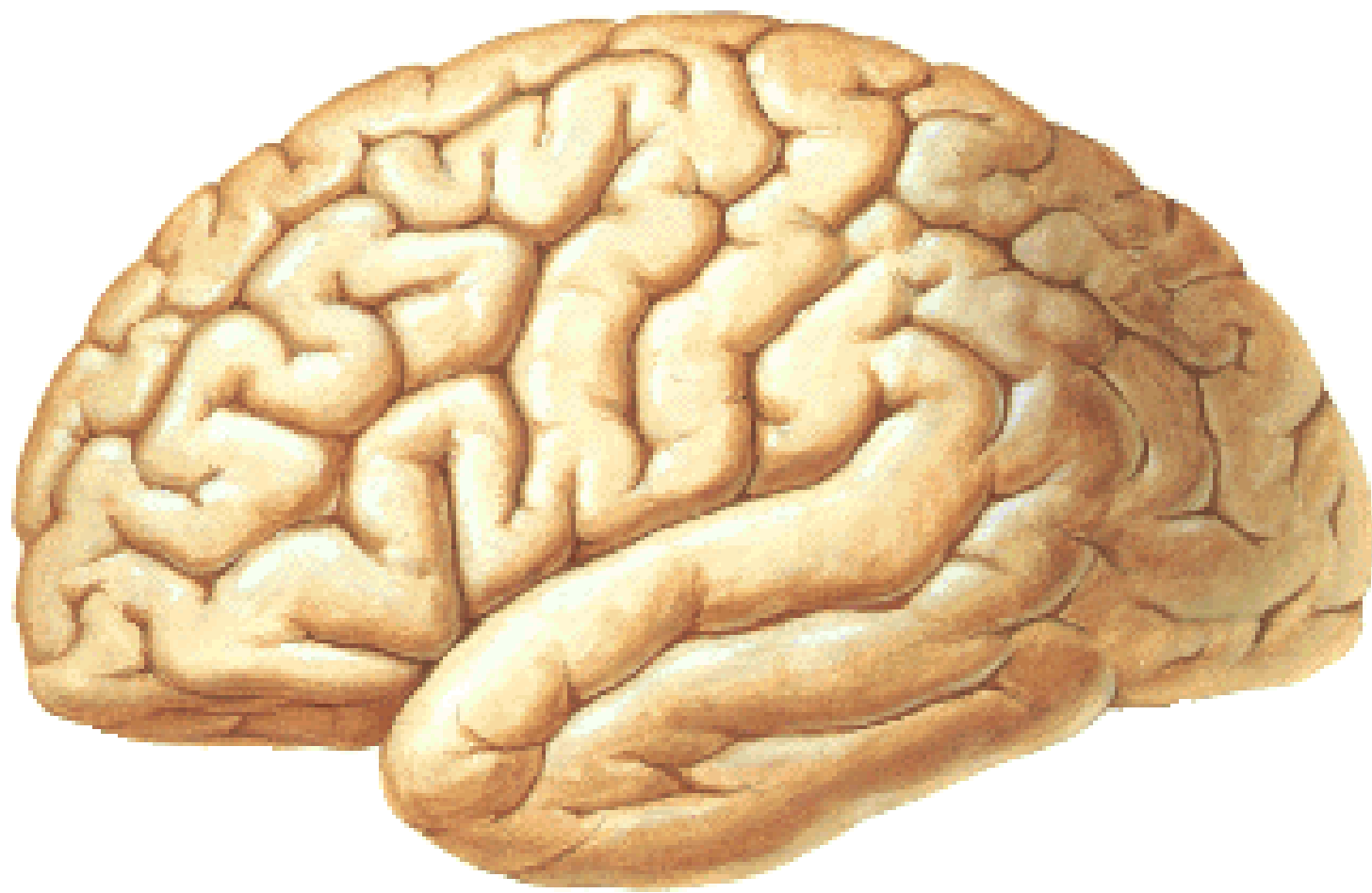
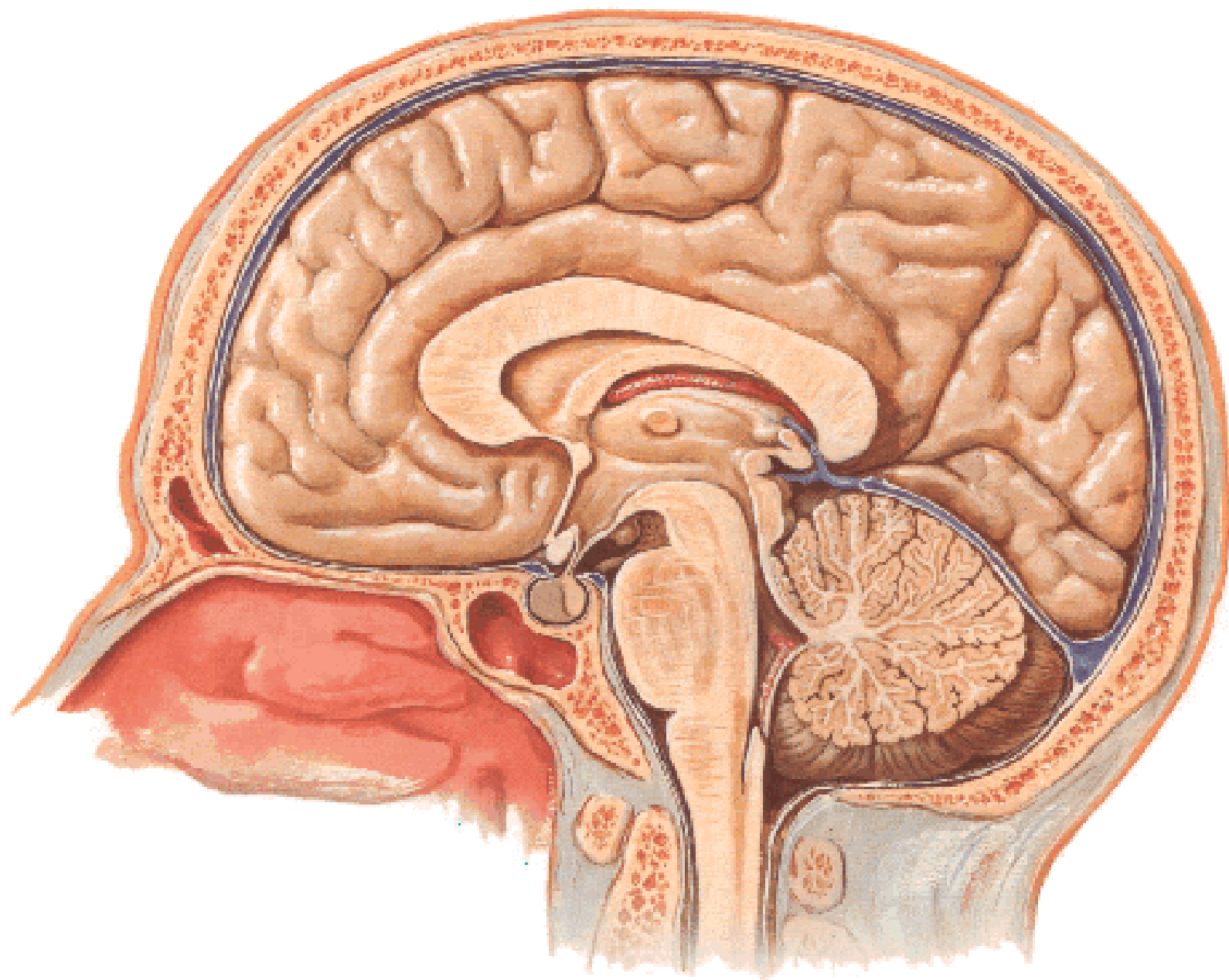
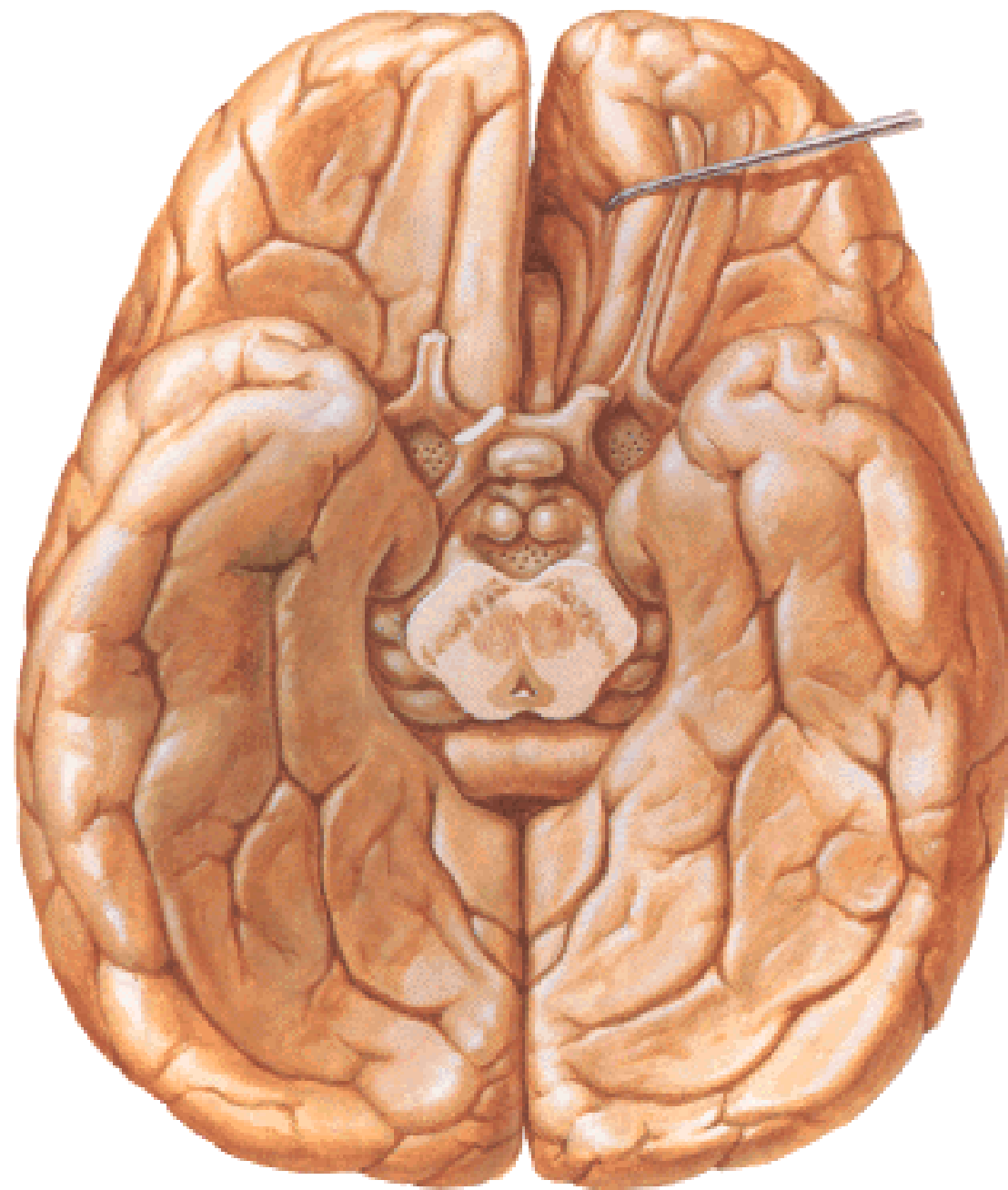
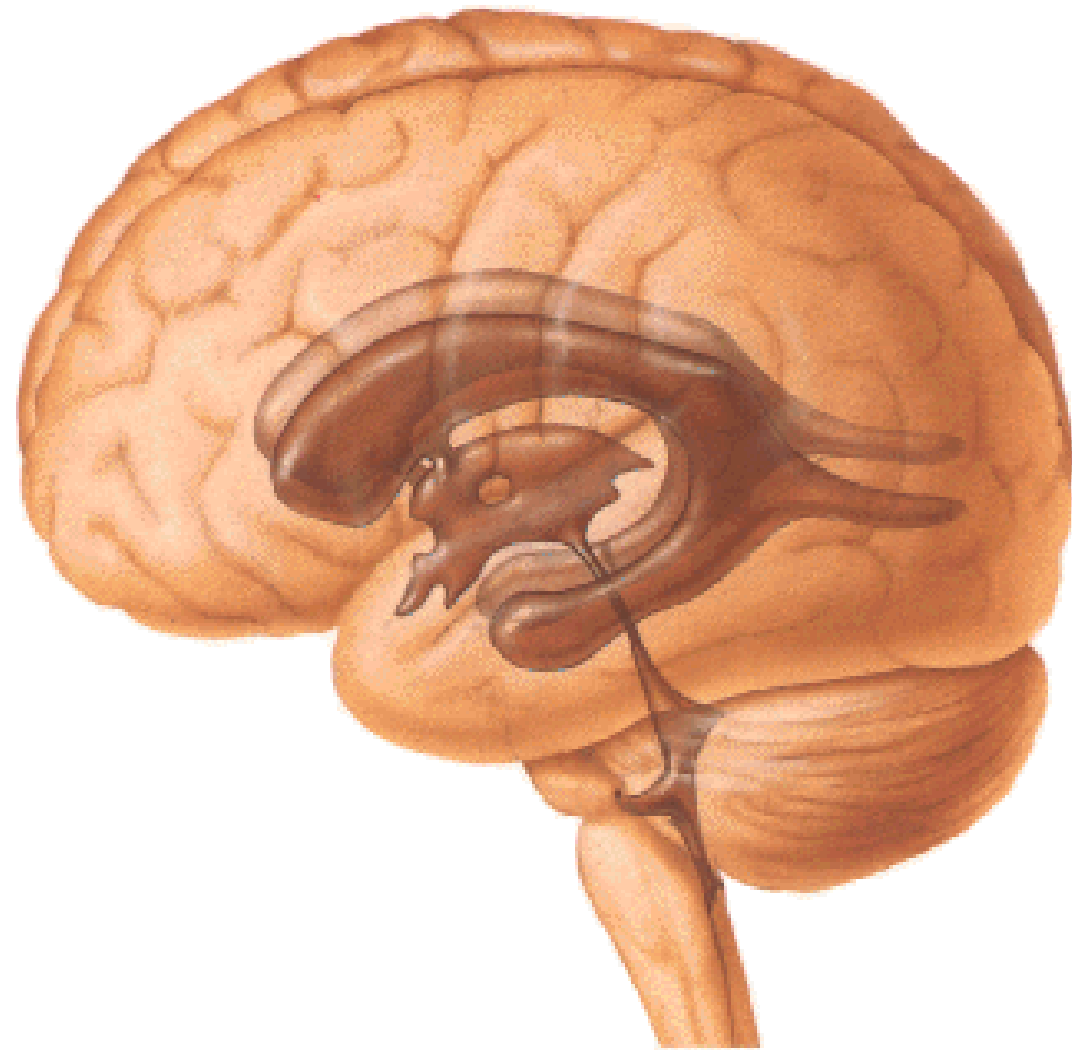










PARTS OF BRAIN

- FOREBRAIN-PROSENCEPHALON
- MIDBRAIN-MESENPHEPHALON
- HINDBRAIN--RHOMBENCEPHALON

PROSENCEPHALON

- TELENCEPHALON
- DIENCEPHALON

MESENCEPHALON

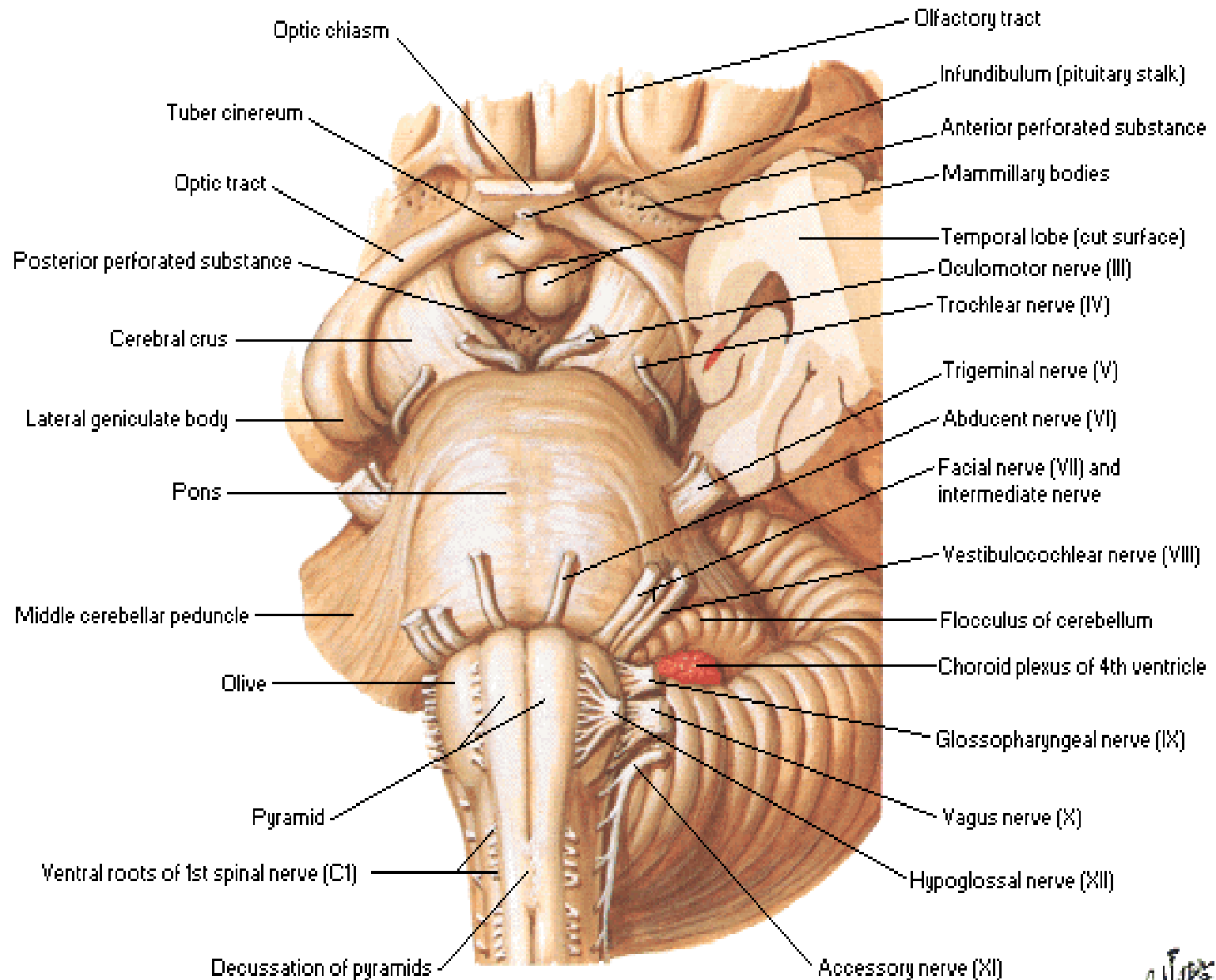
- TECTUM
- TEGMENTUM
- PEDUNCLES

RHOMBENCEPHALON

- PONS(METENCEPHALON)
- MEDULLA(MYELENCEPHALON)
- CEREBELLUM
- BRAIN STEM IS
PONS+MEDULLA+MIDBRAIN

ORIGIN OF CRANIAL NERVES

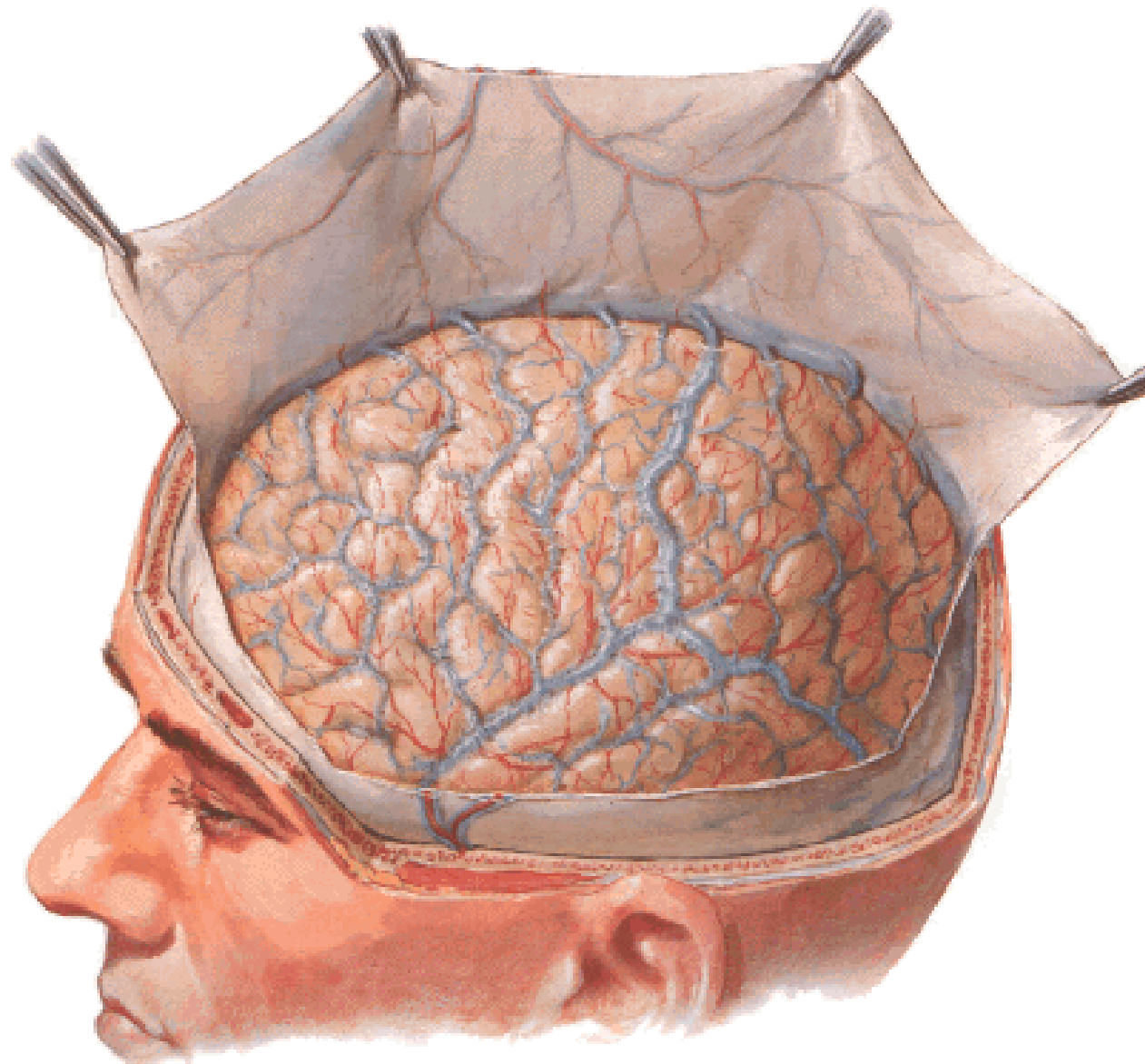
Anteroinferior View



MENINGES

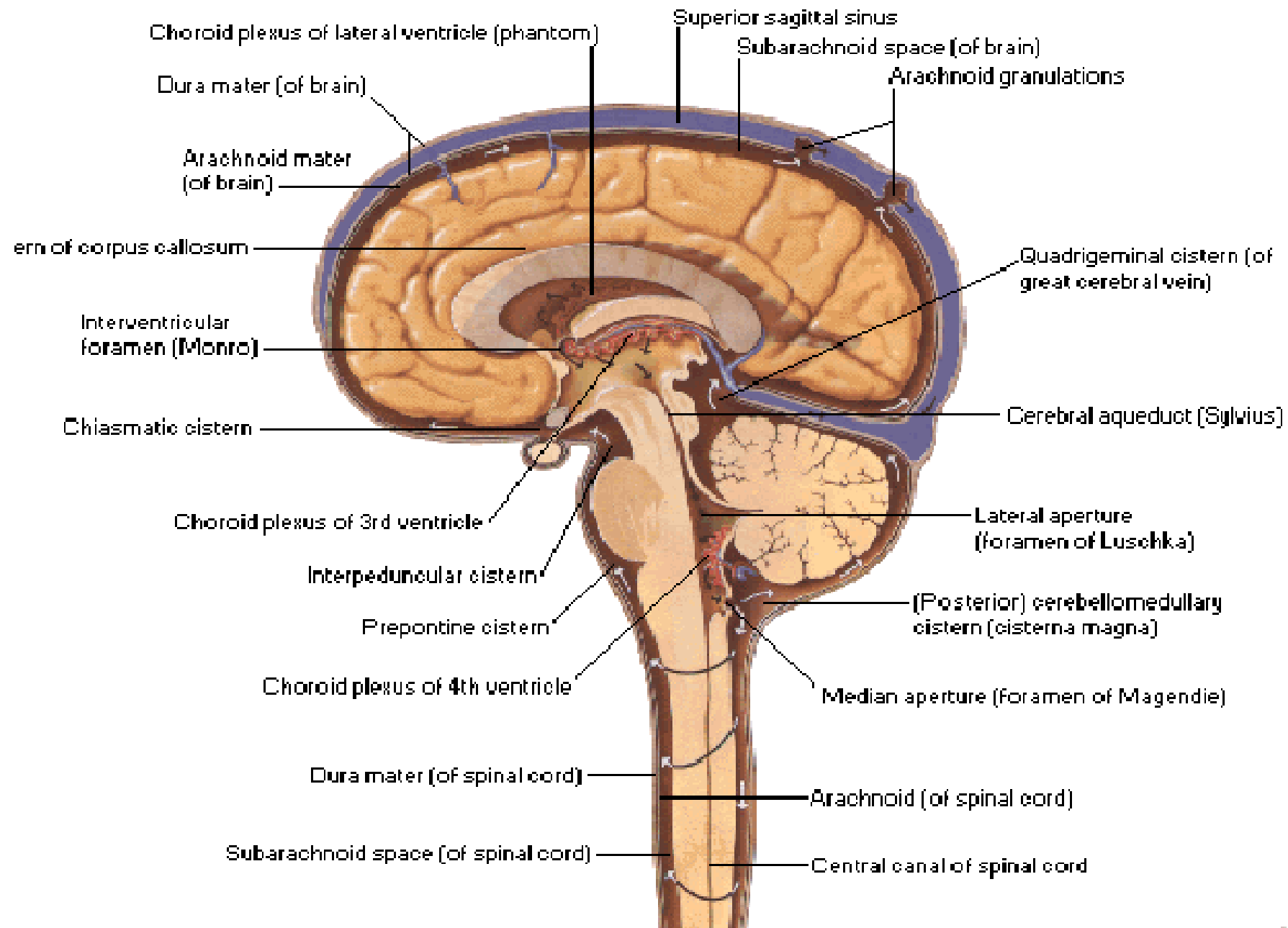
- DURAMETER(PACHYMENINX)
- ARACHNOID
- PIAMETER
- ARACHNOID
+PIAMETER=LEPTOMENINGES

Dura Mater Lifted



CIRCULATION OF CSF

- BLOOD BRAIN BARRIERS
- BLOOD –CSF BARRIER
- BRAIN –CSF BARRIER



CEREBRAL AND SPINAL ARTERIAL BLOOD

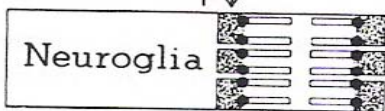
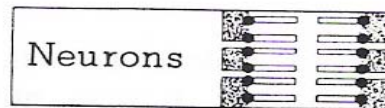
BLOOD-BRAIN-BARRIER

(Vascular endothelium, basement membrane, neuroglial membrane, and glial perivascular feet)

BLOOD-CSF-BARRIER

(Vascular endothelium, basement membrane, choroid epithelium of choroid plexuses)

Intracellular fluid compartment



Extracellular fluid compartment

Cerebrospinal fluid compartment

Ventricles, subarachnoid cisterns and spaces of CNS

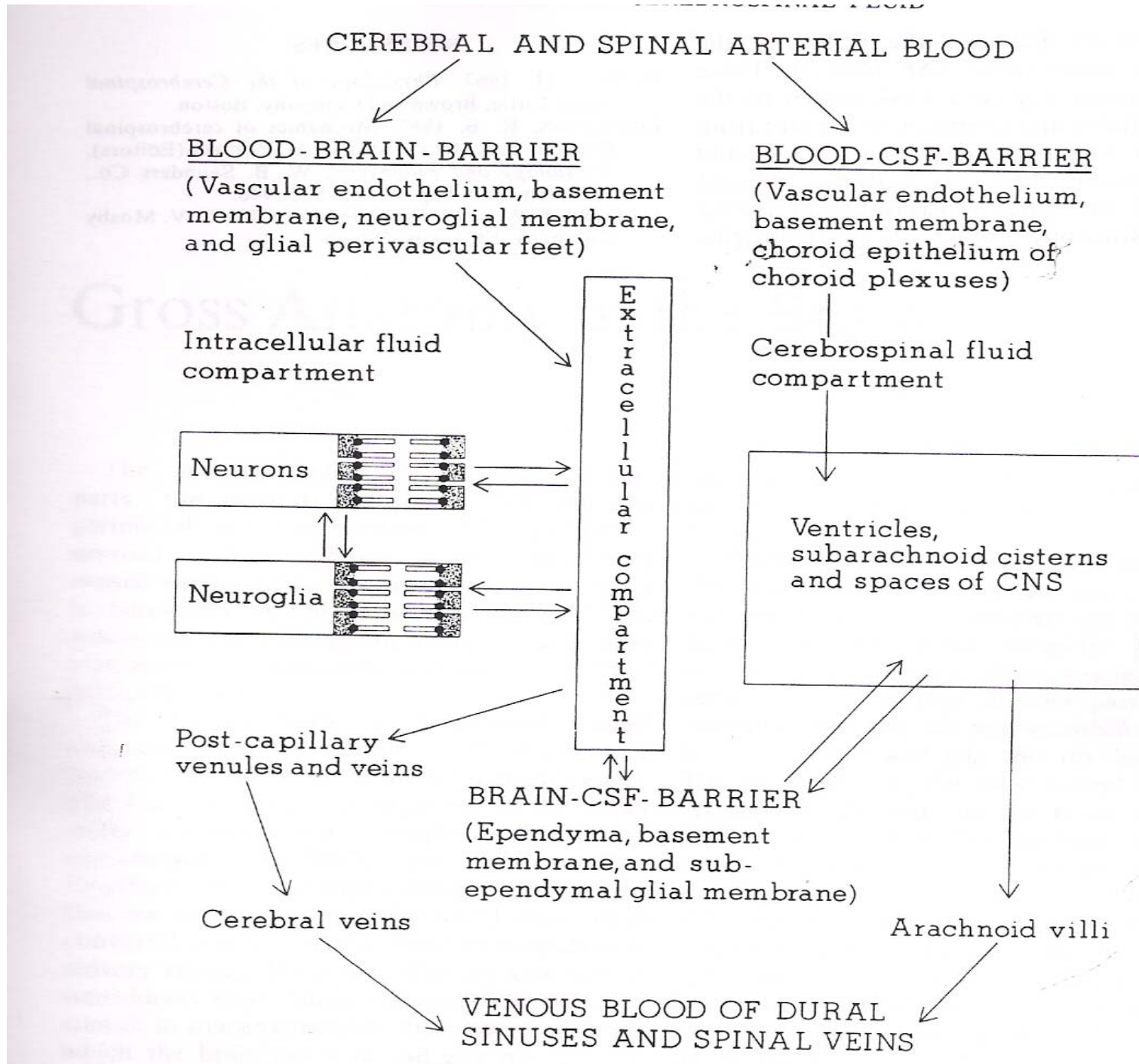
Post-capillary venules and veins

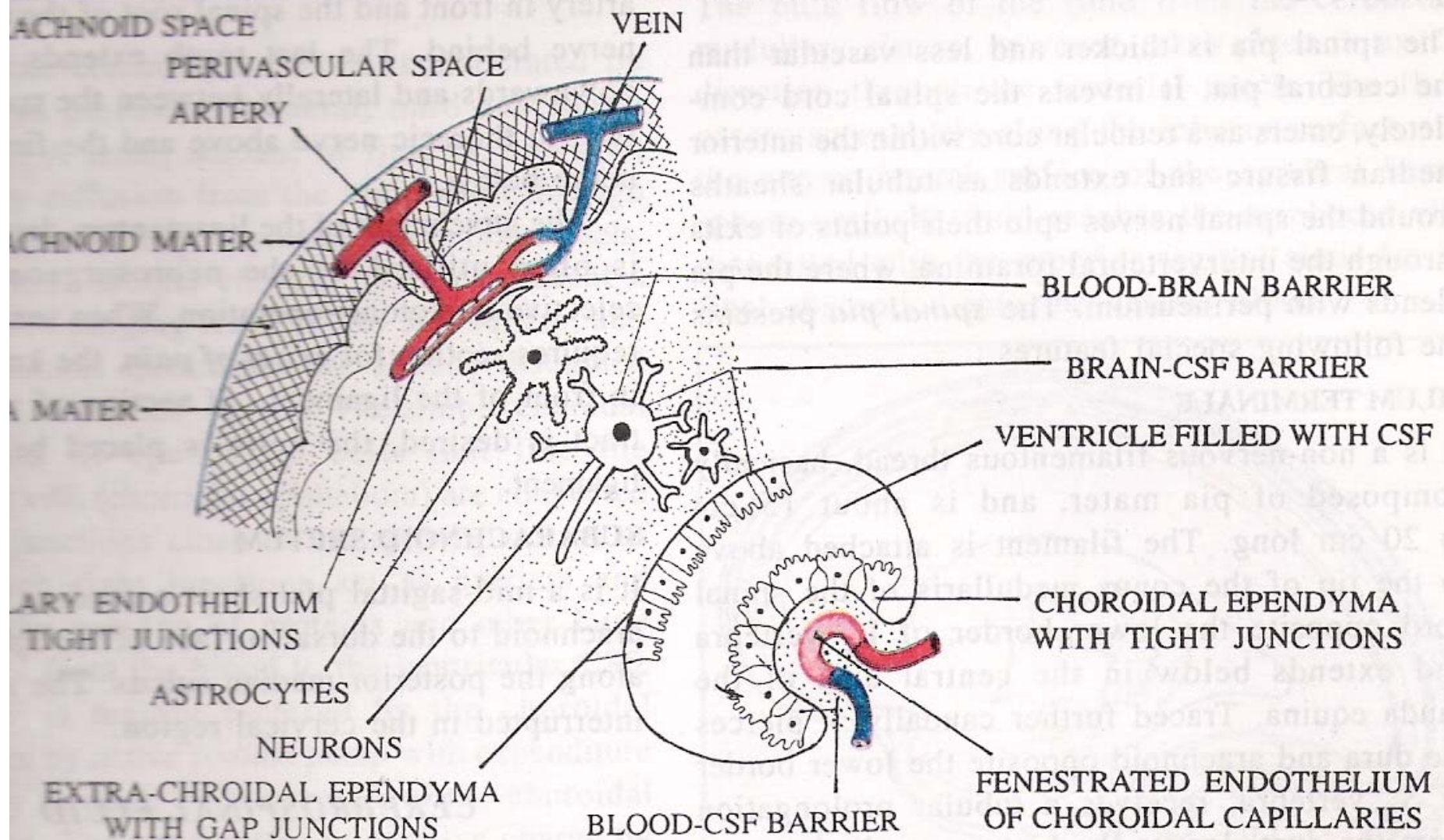
BRAIN-CSF-BARRIER
(Ependyma, basement membrane, and subependymal glial membrane)

Cerebral veins

Arachnoid villi

VENOUS BLOOD OF DURAL SINUSES AND SPINAL VEINS





IMPORTANT TERMS

FILUM TERMINALE

DENTICULATE LIGAMENT

LINEA SPLENDENS

CAUDA EQUINA

CONUS MEDULLARIS

TELA CHOROIDEA

CHOROID PLEXUS

ARACHNOID VILLI AND GRANULATIONS

PEDUNCLES

EPENDYMA

VENTRICLE

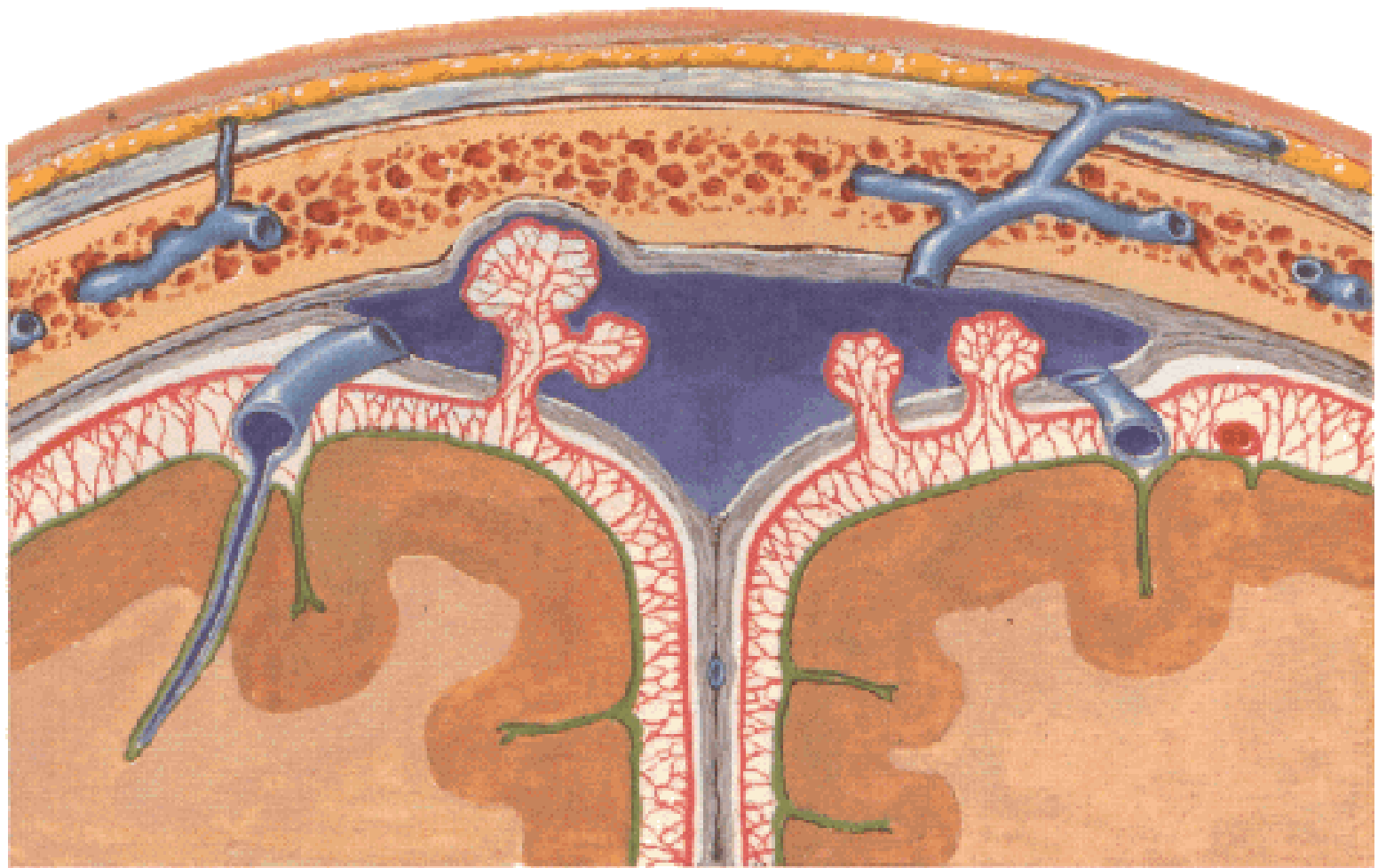
CISTERN

EPIDURAL SPACE

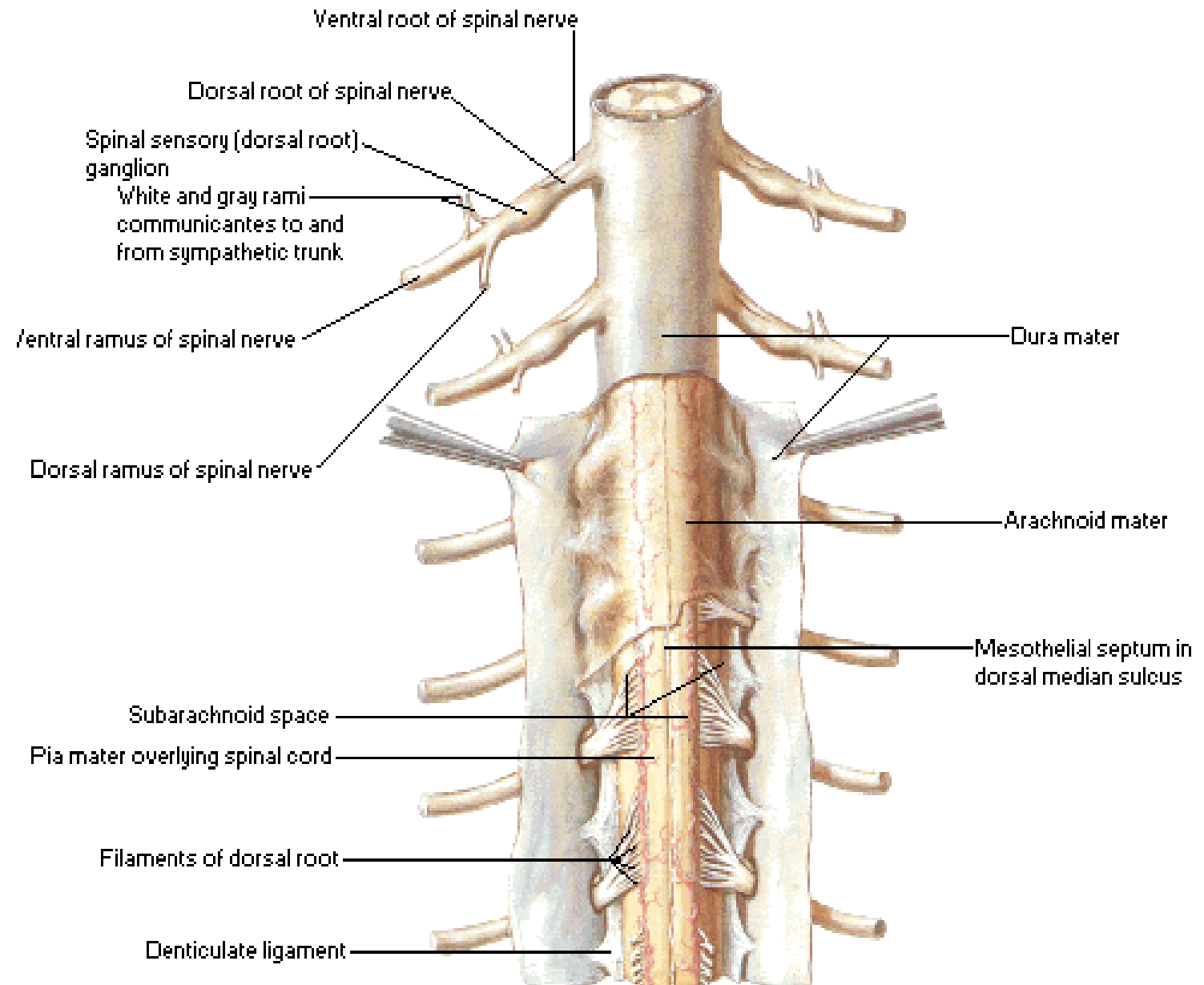
EXTRADURAL SPACE

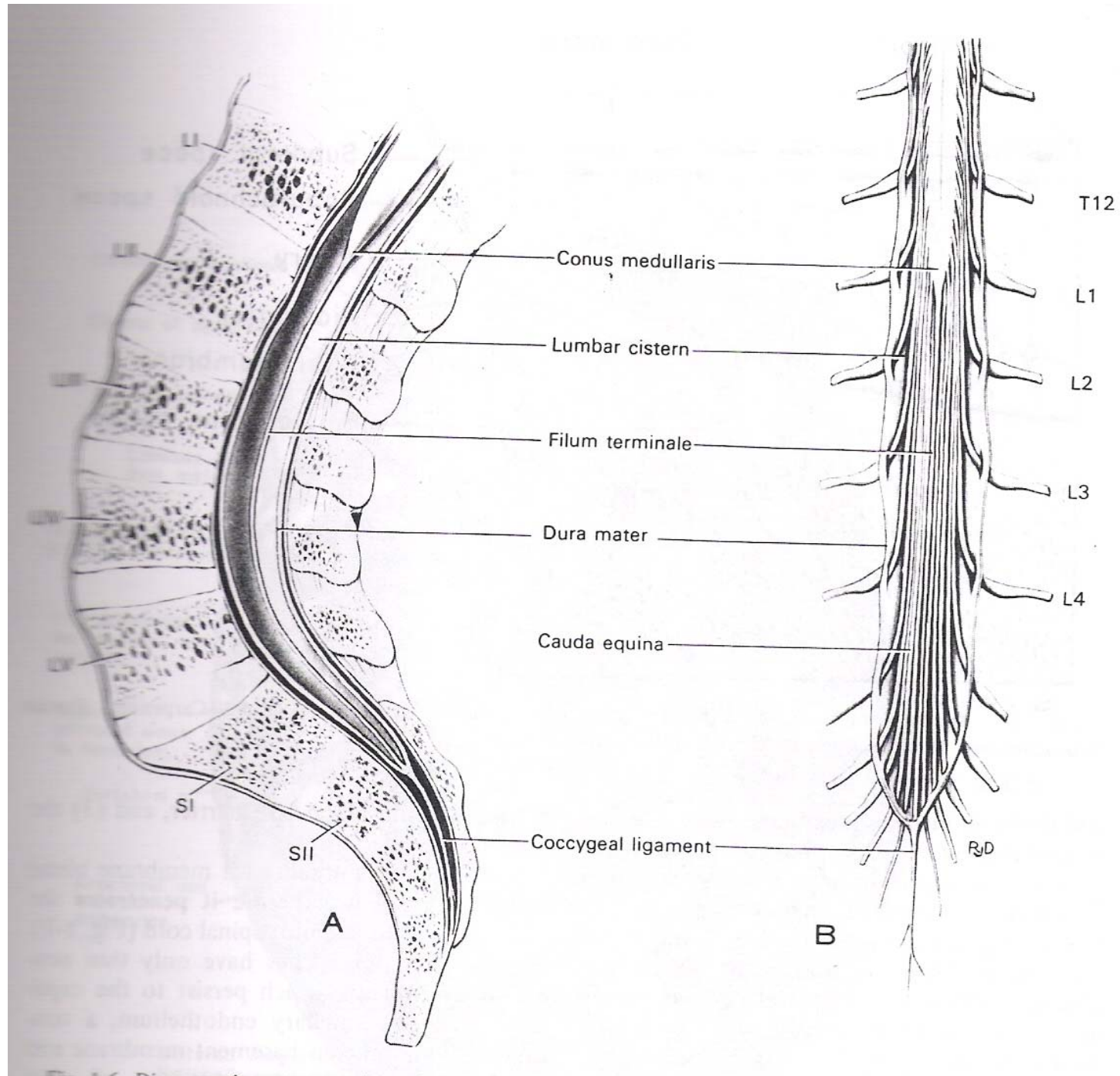
SUBDURAL SPACE

SUBARACHNOID SPACE



1 U514101 Y 10 W





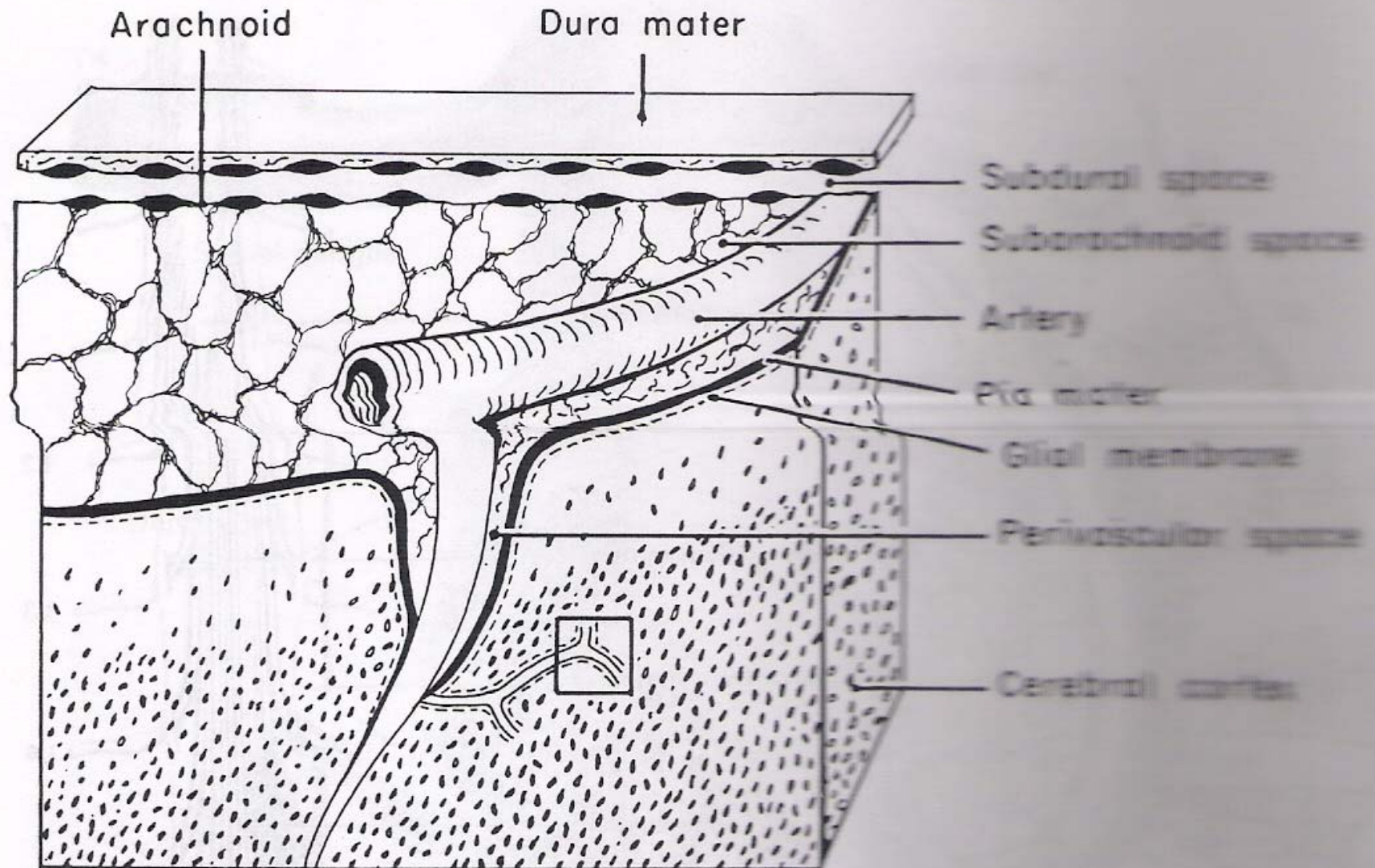
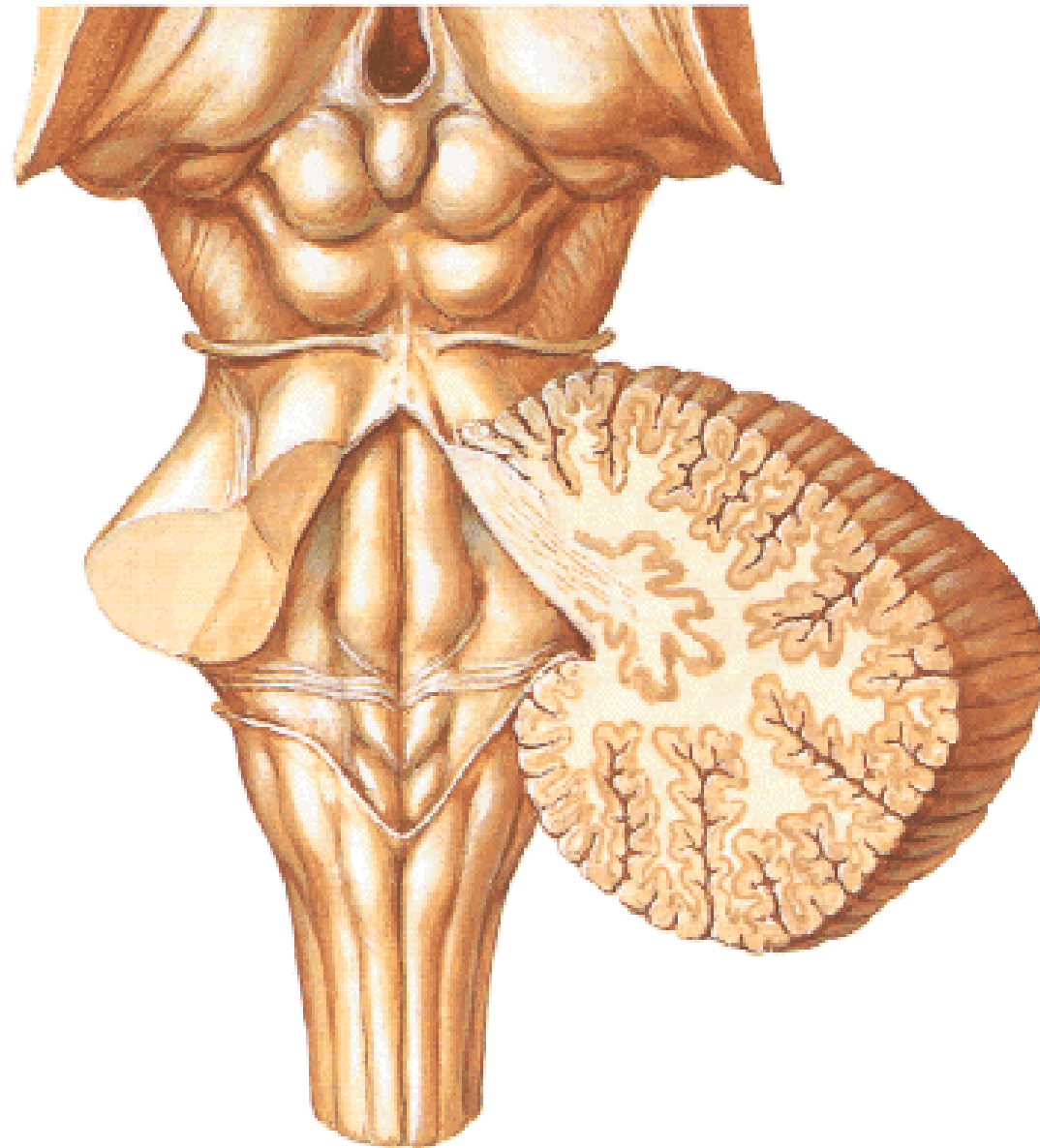


Fig. 1-7 Diagram of subarachnoid and perivascular space. (From: Text and Diagrams of Neuroanatomy, 1st ed., 1978, by J. H. Martin, M.D., and J. H. Martin, M.D., copyright 1978 by J. H. Martin, M.D., and J. H. Martin, M.D.)



APPLIED

- HAEMORRHAGE
- BELL MAGENDIE LAW
- MONROE KELLIE DOCTRINE
- LUMBAR PUNCTURE