CNS Meninges & Blood Supply

Falx Cerebri

Falx Cerebelli

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The Dura Mater

- Skin of scalp
- Periosteum
- Bone of skull
- Periosteal
- Meningeal
- Dura mater
- Arachnoid mater
- Pia mater
- Arachnoid villus
- Blood vessel
- Falx cerebri

Layers:
- Superior sagittal sinus
- Subdural space
- Subarachnoid space
Figure 13-4: The Spinal Cord and Associated Structures

- Spinal cord
- Anterior median fissure
- Pliamater
- Denticulate ligaments
- Arachnoid mater and dura mater (reflected)
- Dorsal root of cervical nerve C₆
- Ventral root of cervical nerve C₆
- Spinal blood vessel

(a) The spinal cord and its nerve roots, with the bony vertebral arches removed. The dura mater and arachnoid mater are cut open and reflected laterally.

(b) Cervical spinal cord.

(c) Thoracic spinal cord, showing denticulate ligaments.

(d) Inferior end of spinal cord, showing conus medullaris, cauda equina, and filum terminale.
Willis circle of Willis

- Internal carotid artery
- Anterior cerebral artery
- Anterior communicating artery
- Middle cerebral artery
- Posterior communicating artery
- Posterior cerebral artery
- Posterior inferior cerebellar artery
- Basilar artery
- Vertebral artery

Circle of Willis
Fig. 1: Showing the normal pattern of the circle of Willis
Blood Cerebrospinal Fluid and Blood Brain Barrier
A barrier protects the brain and spinal cord from harmful substances.