

## Brain Protection

Surround and protect the brain

**Cranium** (the bone)

**Cranial meninges**

**Spinal meninges**

### 3 Structure:

1. Outer **dura mater**
2. Middle **arachnoid (spider-like) mater**
3. Inner **pia mater**

Same Structure

Diff dura mater

- Cranial (2 layer)
- Spinal (1 layer)

3 Extension of Dura Mater **separate the brain**

### 1) Falx (sickle-shaped) Cerebi

Sep 2 hemi of cerebrum

### 2) falx cerebelli (-bell)

Sep 2 hemi of cerebellum (-bell)

### 3) Tentorium (tent) cerebelli

sep cerebrum from cerebulum

Site of separation to enclose the **dural venous sinuses**

Which

Drain venous blood from the brain

Deliver to

internal jugular vein

Except

2 Dura Mater layer

[External] periosteal layer

[Internal] meningeal layer

Fun

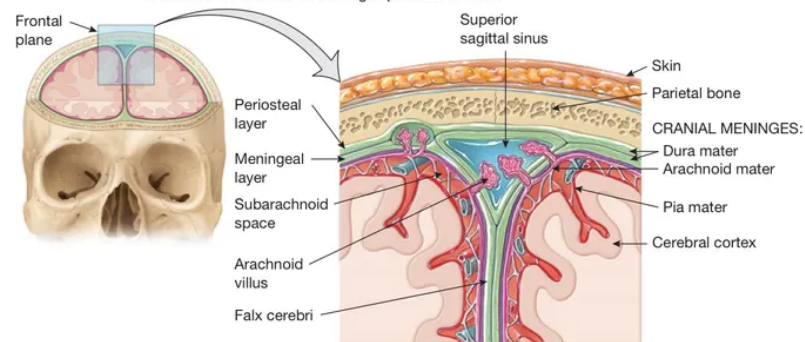
**No epidural space** around the brain

BV enter B tis pass along surface of B

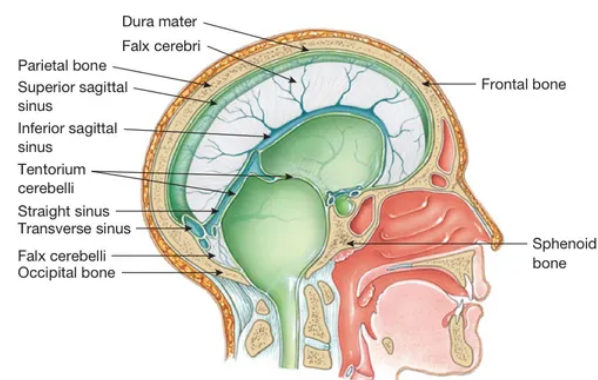
Penetrate inward, they are sheathed by loose-fitting sleeve of **pia mater**

**FIGURE 14.2 The protective coverings of the brain.**

Cranial bones and cranial meninges protect the brain.



(a) Anterior view of frontal section through skull showing the cranial meninges



(b) Sagittal section of extensions of the dura mater