

Boundaries of the 4th ventricle

Lateral borders

1. Superiorly: the superior cerebellar peduncle.
2. Inferiorly: the inferior cerebellar peduncle and the gracile and cuneate tubercles.
3. In the middle: the lateral angle forming the lateral recess.

Roof (posterior wall)

1. Superiorly: superior medullary velum connecting the two superior cerebellar peduncles.
2. Inferiorly: inferior medullary velum connecting the two inferior cerebellar peduncles.
3. In the middle: the cerebellum.

Floor (anterior wall)

1. upper pontine part
2. lower medullary part
3. Intermediate zone: Formed by the stria medullaris of the 4th ventricle

Cerebellum

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graph TD; Cerebellum --> Surfaces[2 surfaces]; Cerebellum --> Parts[3 parts]; Cerebellum --> Fissures[3 fissures]; Cerebellum --> Lobes[3 lobes]; Cerebellum --> Notches[2 notches]; Surfaces --- SurfacesList[Sup<br/>Inf]; Parts --- PartsList[Vermis<br/>2 cerebellar hemispheres]; Fissures --- FissuresList[Horizontal fissure<br/>Primary fissure<br/>Posterolateral fissure]; Lobes --- LobesList[Anterior lobe<br/>Posterior lobe<br/>Flocculonodular lobe]; Notches --- NotchesList[Ant<br/>Post];
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2 surfaces

Sup
Inf

3 parts

Vermis
2 cerebellar hemispheres

3 fissures

Horizontal fissure
Primary fissure
Posterolateral fissure

3 lobes

Anterior lobe
Posterior lobe
Flocculonodular lobe

2 notches

Ant
Post

Arterial supply of cerebellum

