

□ Brain – Major Sulci and Gyri

- □ **Central sulcus** – Separates frontal and parietal lobes.
- □ **Lateral sulcus (Sylvian fissure)** – Divides temporal from other lobes.
- □ **Precentral gyrus** – Primary motor cortex.
- □ **Postcentral gyrus** – Primary sensory cortex.

□ Brain – Deep Structures

- □ **Corpus callosum** – Connects both hemispheres.
- □ **Thalamus** – Relay of sensory/motor input.
- ⚙ **Brainstem** – Vital autonomic control.
- □ **Cerebellar tonsils** – Chiari malformation relevance.

□ Brain – Ventricular System & Craniometrics

- □ **Foramen of Monro** – Lateral to 3rd ventricle.
- □ **Aqueduct of Sylvius** – 3rd to 4th ventricle.
- □ **Bregma** – Craniometric surgical landmark.

□ Spine – Surface & Vertebral Landmarks

- □ **T4** – Nipple line.
- □ **T10** – Umbilicus level.
- □ **L4** – Level of iliac crest (lumbar puncture).

□ Spine – Internal Neural Structures

- ✂ **Conus medullaris** – Cord ends (L1–L2).
- □ **Cauda equina** – Nerve root bundle.
- □ **Dural sac** – Ends at S2.
- □ **Filum terminale** – Cord anchoring.

□ Spine – Key Vertebrae & Foramina

- □ **C2 (Axis)** – Dens for rotation.
- □ **L4–L5** – Common for lumbar puncture.

- **Intervertebral foramen** - Nerve exits.

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