

Video 3 - Surface of Cerebral Hemispheres

Lateral View of Cerebral Hemispheres

- Cerebral hemispheres
- Gyri (singular: gyrus)
- Sulci (singular: sulcus)
- Cortex (gray matter)
- White matter (deep to cortex)
- Longitudinal fissure (the falx cerebri sits in this space)
- Corpus callosum
- Lobes
 - Frontal
 - Frontal pole
 - Parietal
 - Occipital
 - Occipital pole
 - Temporal
 - Temporal pole
 - Insular (hidden deep to temporal, frontal, and parietal lobes)
- Lateral sulcus or Sylvian fissure
- Superior frontal gyrus
- Middle frontal gyrus
- Inferior frontal gyrus
 - Orbital part
 - Triangular part
 - Opercular part
- Superior frontal sulcus
- Inferior frontal sulcus
- Central sulcus
- Precentral gyrus (primary motor cortex)
- Precentral sulcus
- Postcentral gyrus (primary somatosensory cortex)
- Postcentral sulcus
- Superior parietal lobule
- Inferior parietal lobules
- Interparietal sulcus
- Parieto-occipital sulcus (better seen medially)
- Superior temporal gyrus
- Middle temporal gyrus
- Inferior temporal gyrus
- Superior temporal sulcus
- Inferior temporal sulcus
- Supramarginal gyrus
- Angular gyrus

Medial View of Cerebral Hemispheres

- Corpus callosum
 - Genu
 - Rostrum
 - Body
 - Splenium
- Anterior commissure
- Callosal sulcus
- Cingulate gyrus
- Cingulate sulcus.
- Medial frontal gyrus
- Paracentral lobule
- parieto-occipital sulcus
- calcarine sulcus
- lingual gyrus
- cuneus
- precuneus

Inferior View of the Cerebral Hemispheres

- Frontal lobe
 - Straight gyrus or gyrus rectus
 - Olfactory bulb
 - Olfactory tract
 - Olfactory gyrus
 - Olfactory sulcus
 - Inferior frontal gyrus
- Temporal lobe
 - inferior temporal gyrus
 - Occipitotemporal sulcus
 - Lateral occipitotemporal gyrus
 - Medial occipitotemporal gyrus
 - Collateral sulcus
 - Parahippocampal gyrus
 - Uncus, marking location of the amygdala.