

CEREBRAL CORTEX: LOBES & FUNCTIONS

[*Anatomical Lateral View Diagram Overlay*]

LOBE	PRIMARY FUNCTIONS	KEY LANDMARKS
Frontal	Executive function, motor control, personality, Broca's area (speech production).	Precentral gyrus, Central sulcus (anterior boundary).
Parietal	Somatosensory processing, spatial orientation, integration of sensory input.	Postcentral gyrus, Intraparietal sulcus.
Temporal	Auditory processing, memory (Hippocampus), Wernicke's area (language comprehension).	Lateral sulcus (Sylvian fissure).
Occipital	Visual processing, interpretation of visual stimuli, color recognition.	Calcarine sulcus, Parieto-occipital sulcus.

Clinical Correlates / Study Notes: