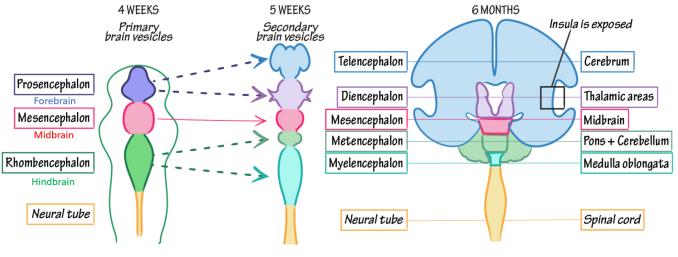
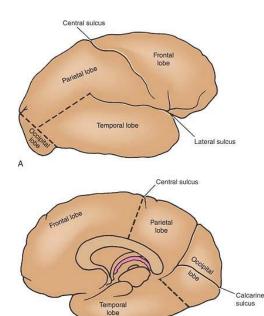
Dr. Ali Mohsin

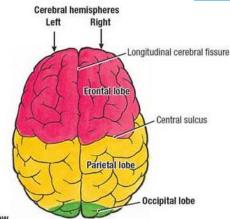
Cerebral Hemispheres

CORONAL VIEW

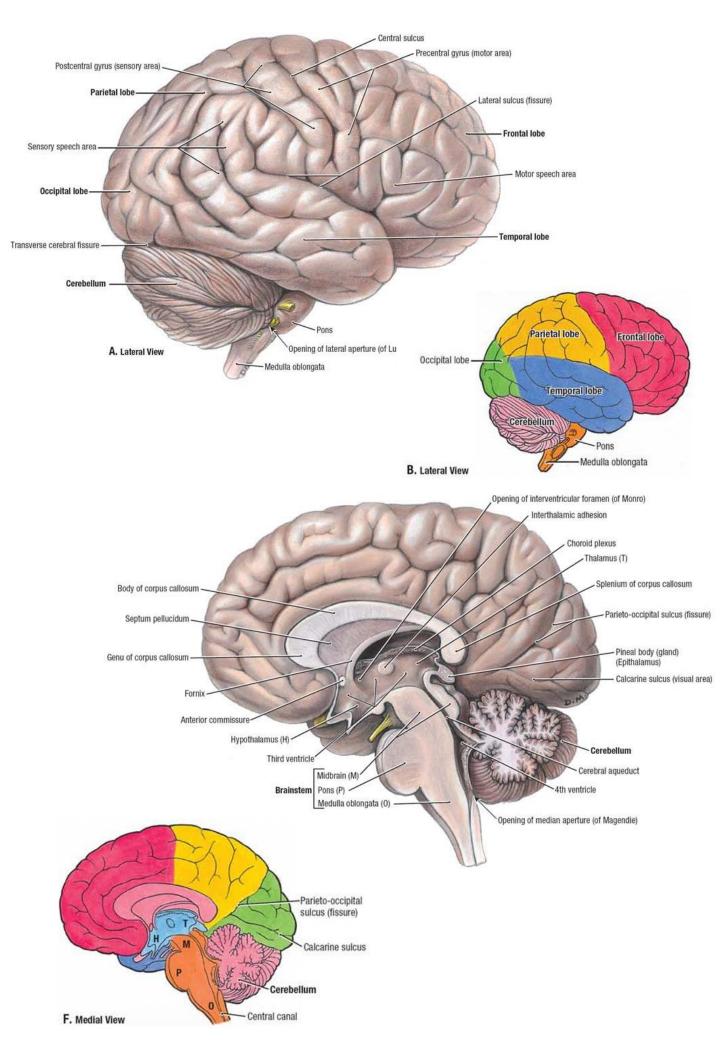


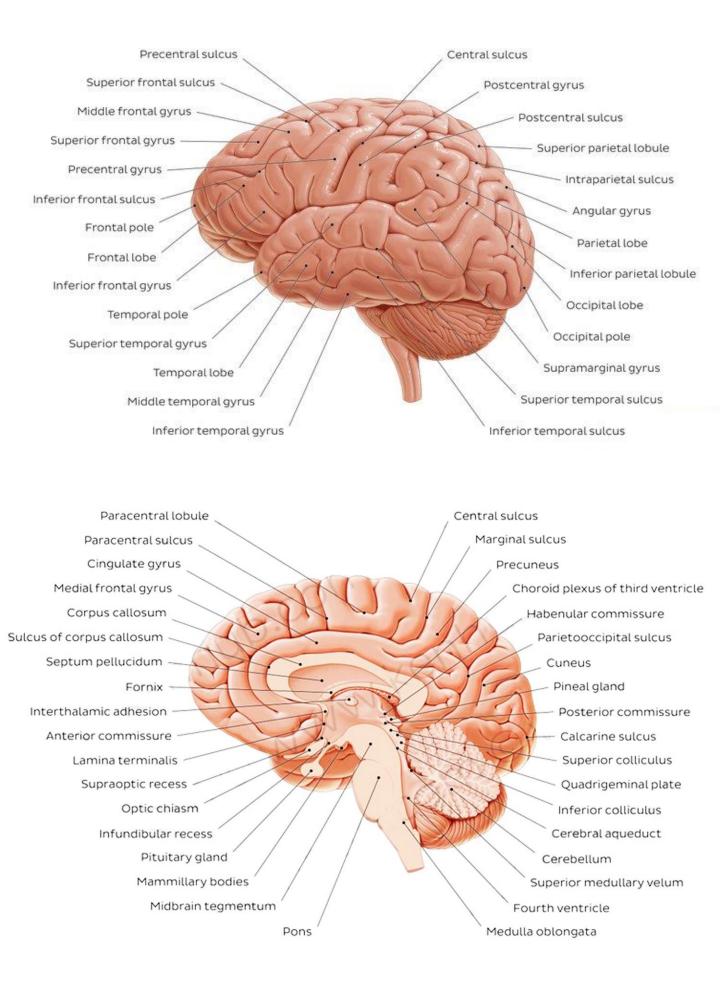






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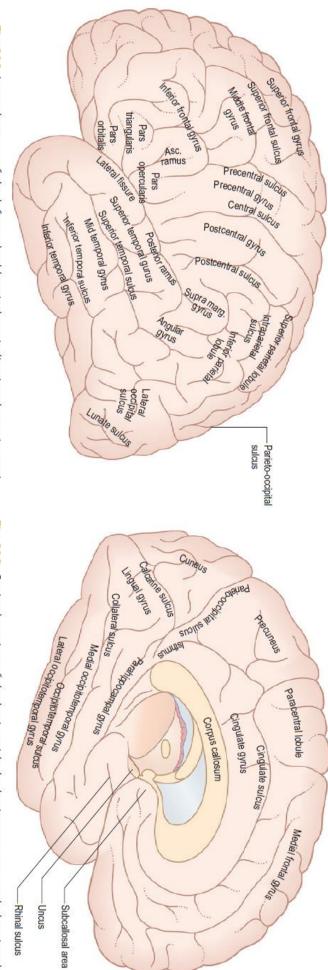


Fig. 16.1 Lateral aspect of the left cerebral hemisphere indicating the major gyri and sulci.

Fig. 16.2 Sagittal section of the brain, with the brain stem removed, showing the medial aspect of the left cerebral hemisphere.

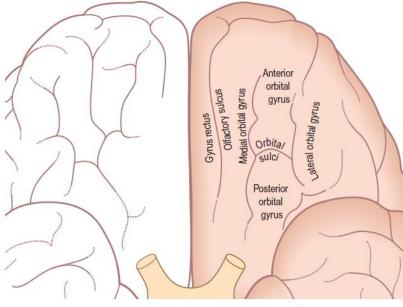
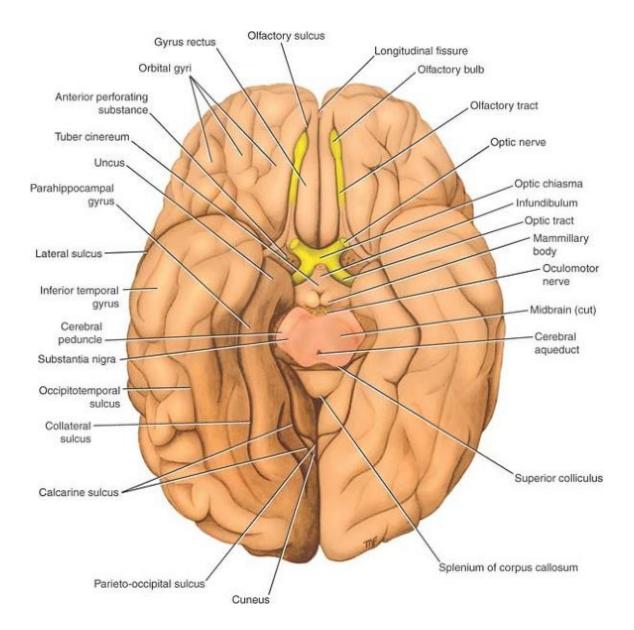


Fig. 16.6 Orbital surface of the left frontal lobe.



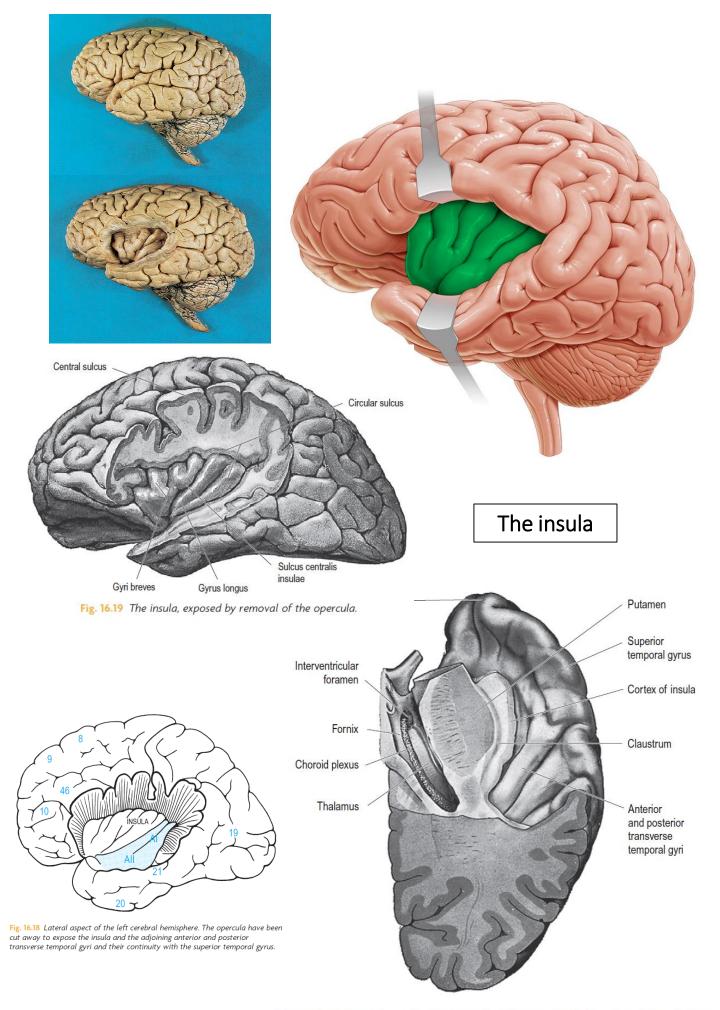
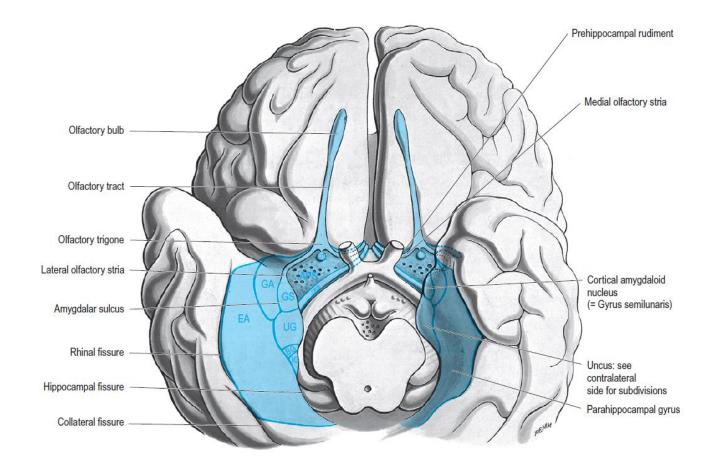
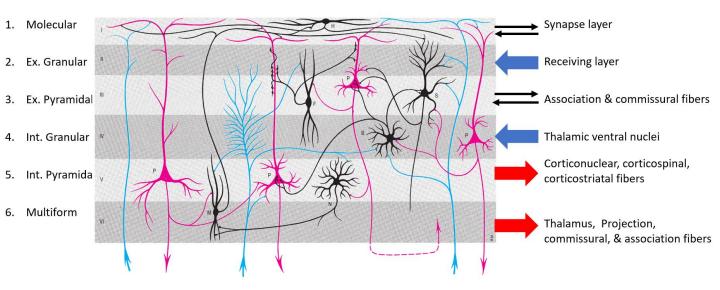
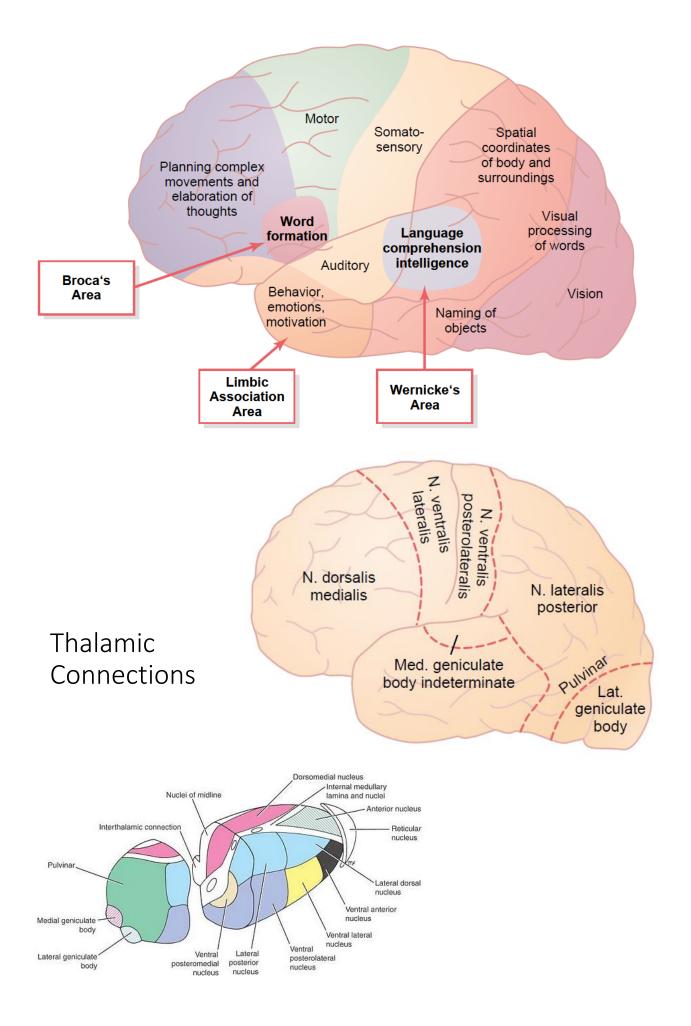


Fig. 16.17 Horizontal section showing the left temporal lobe, viewed from below.



Cerebral Cortex Layers





Brodmann's areas

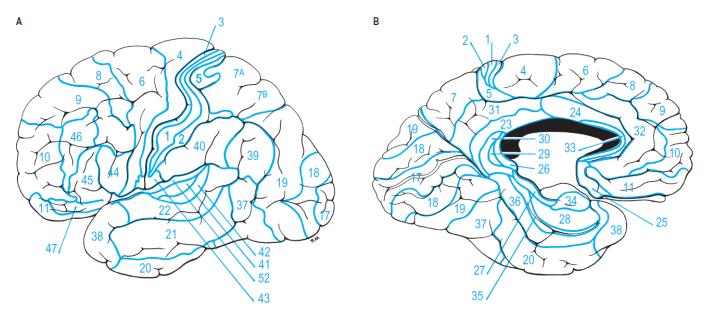
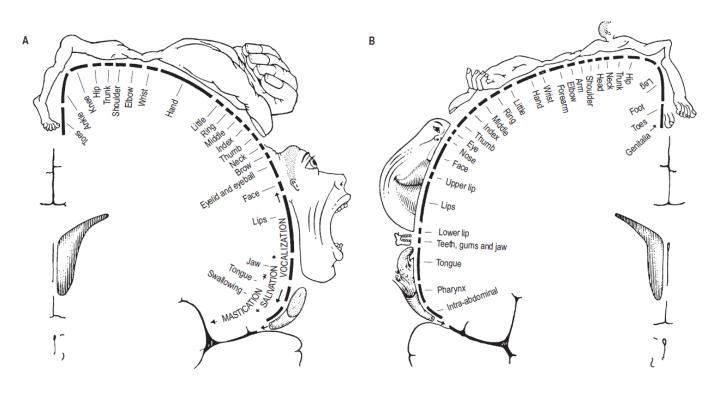


Fig. 16.12 Lateral (A) and medial (B) surfaces of the left cerebral hemisphere depicting Brodmann's areas.



Motor homunculus

Sensory homunculus

Motor Cortex, speech areas, & visual areas

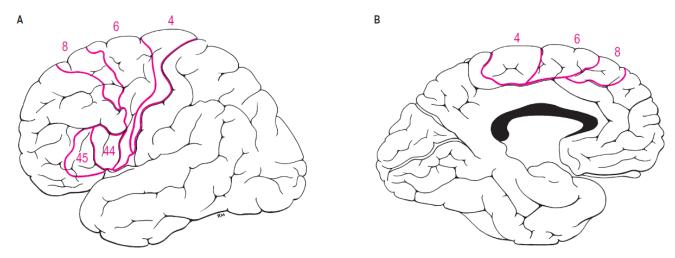


Fig. 16.14 Lateral (A) and medial (B) surfaces of the left cerebral hemisphere showing the approximate correspondence of Brodmann's areas to the primary motor cortex (area 4), premotor areas (areas 6 and 8) and motor speech areas (areas 44 and 45).

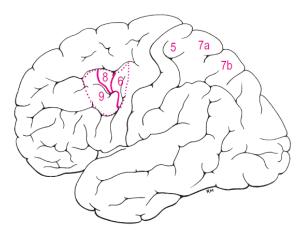


Fig. 16.15 Lateral surface of the left cerebral hemisphere showing the frontal eye field, corresponding to parts of Brodmann's areas 6, 8 and 9. The perimeter of this area is delineated by an interrupted line to indicate the uncertainty of its precise extent.

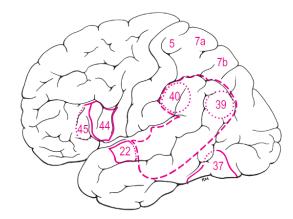


Fig. 16.16 Lateral surface of the left hemisphere showing the motor speech areas (44 and 45) and areas 5, 7a and 7b. Wernicke's area is variously depicted by different authorities and is tentatively indicated here by the large parietotemporal area enclosed by the dotted line and including areas 39 and 40. Some consider areas 22 and 37 to be auditory and visuo-auditory areas, respectively, associated with speech and language.

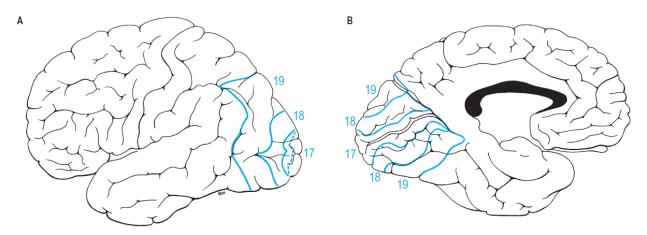
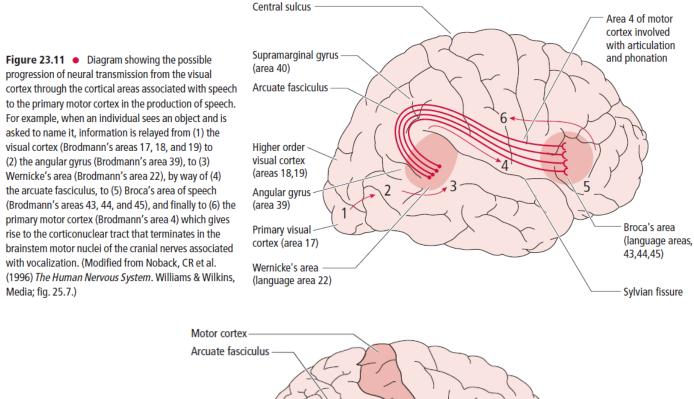
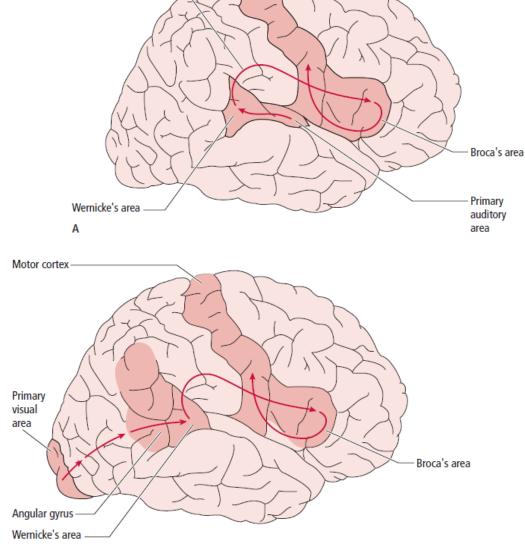
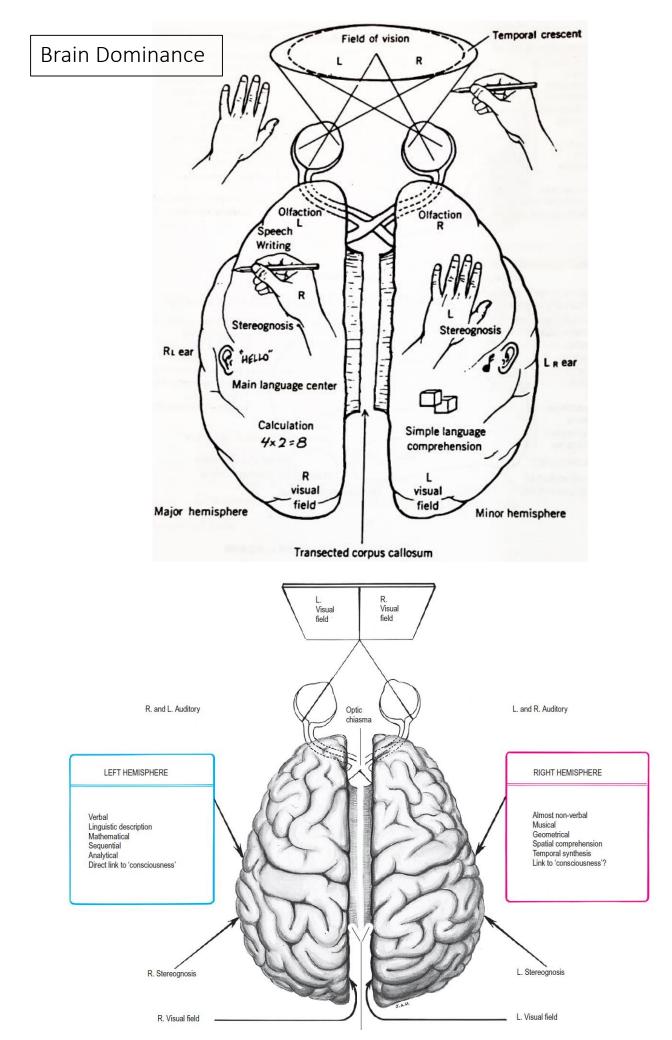


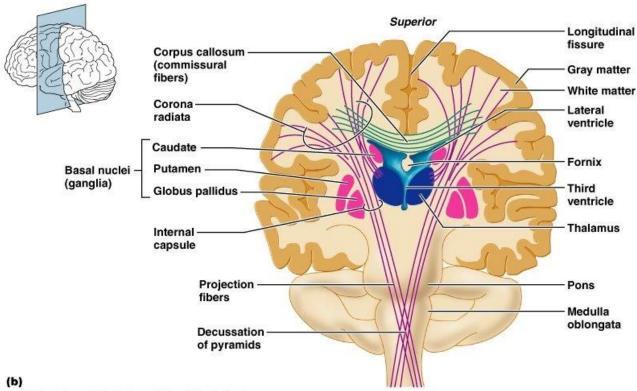
Fig. 16.21 Lateral (A) and medial (B) surfaces of the left cerebral hemispheres showing the visual areas in the occipital lobe. The striate, parastriate and peristriate areas correspond approximately to Brodmann's areas 17, 18 and 19, respectively, and to visual areas VI, V2 and V3.







Cerebral White Matter



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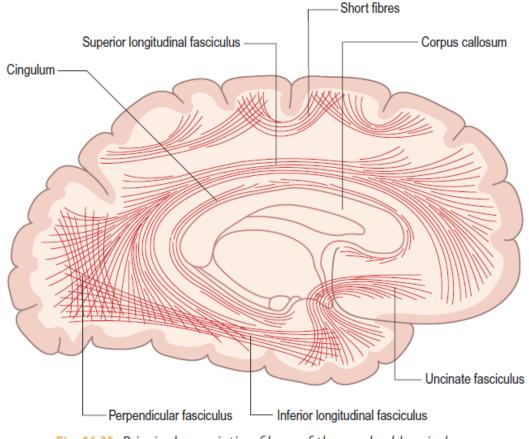


Fig. 16.33 Principal association fibres of the cerebral hemisphere.

Cerebral Commissures

