

PLATE S-25 Veins of Spinal Cord and Vertebral Column

Brain

Plate S-26. Meninges and Diploic Veins

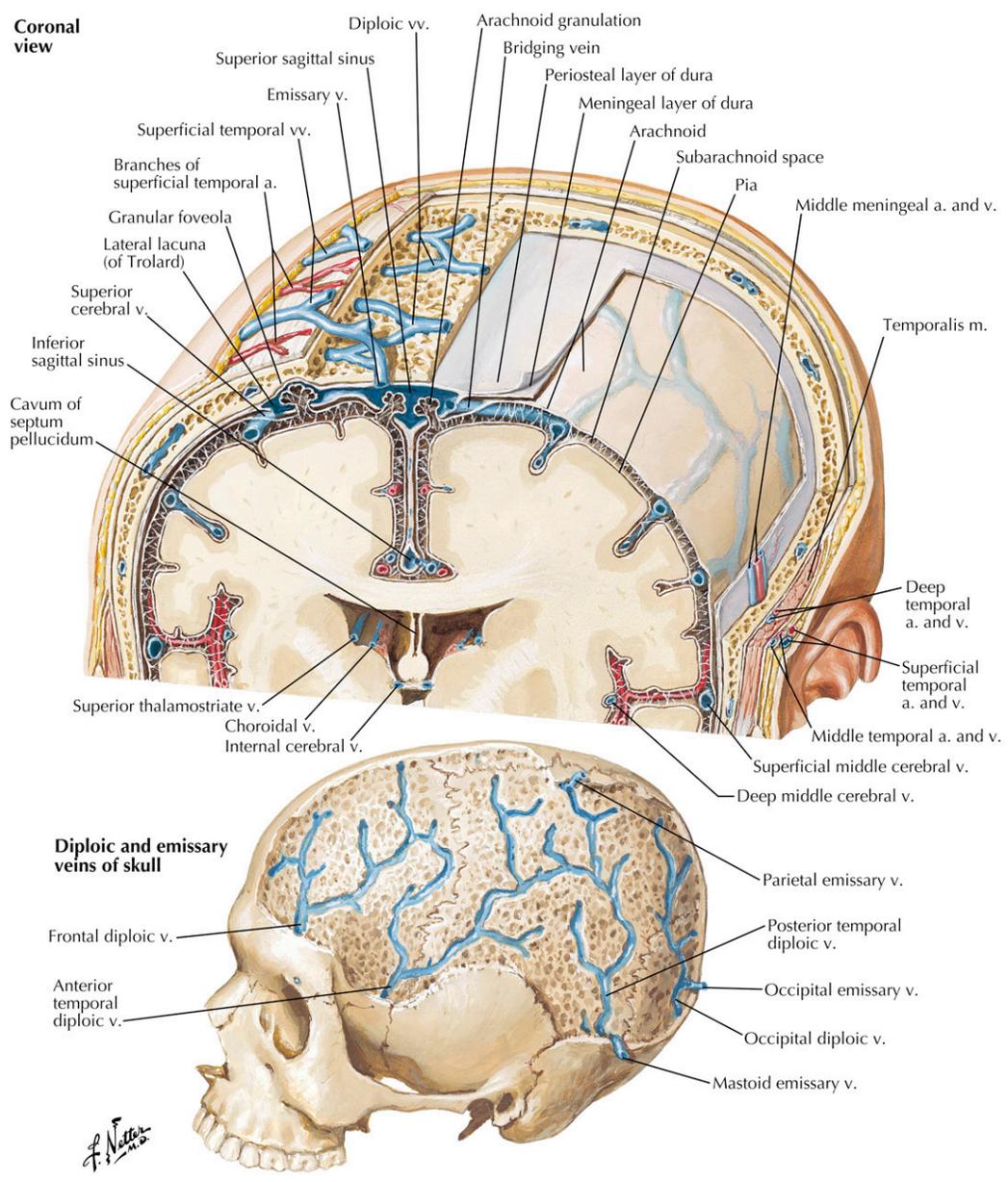


PLATE S-26 Meninges and Diploic Veins

See also [Plate S-322](#)

Plate S-27. Meningeal Arteries

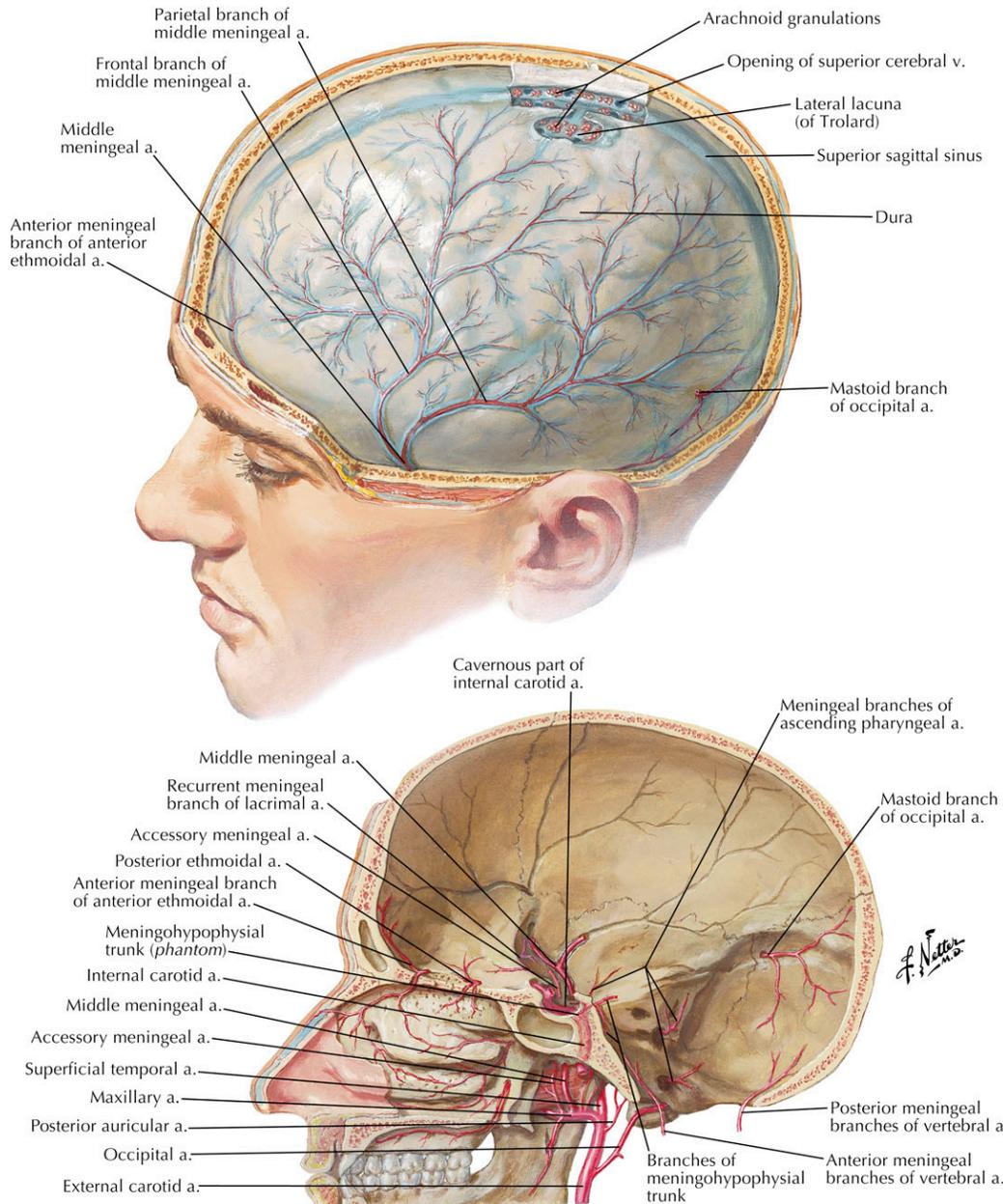


PLATE S-27 Meningeal Arteries

See also [Plates S-189, S-326](#)

Plate S-28. Meninges and Superficial Cerebral Veins

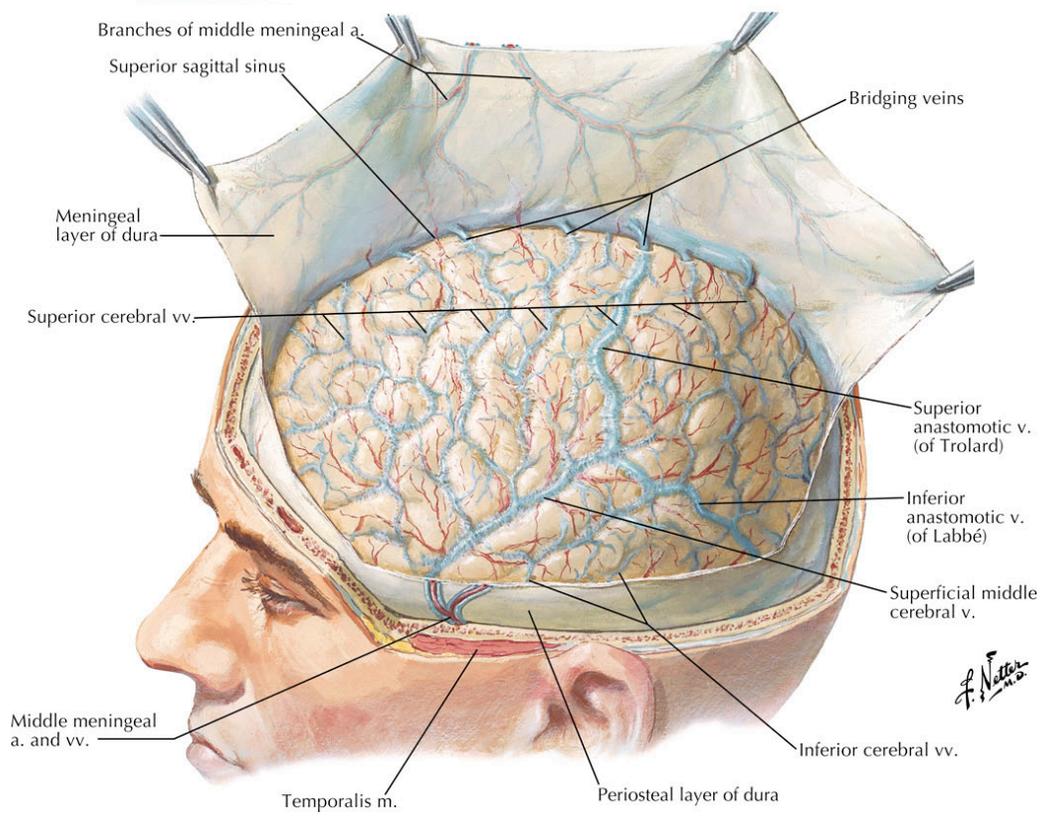
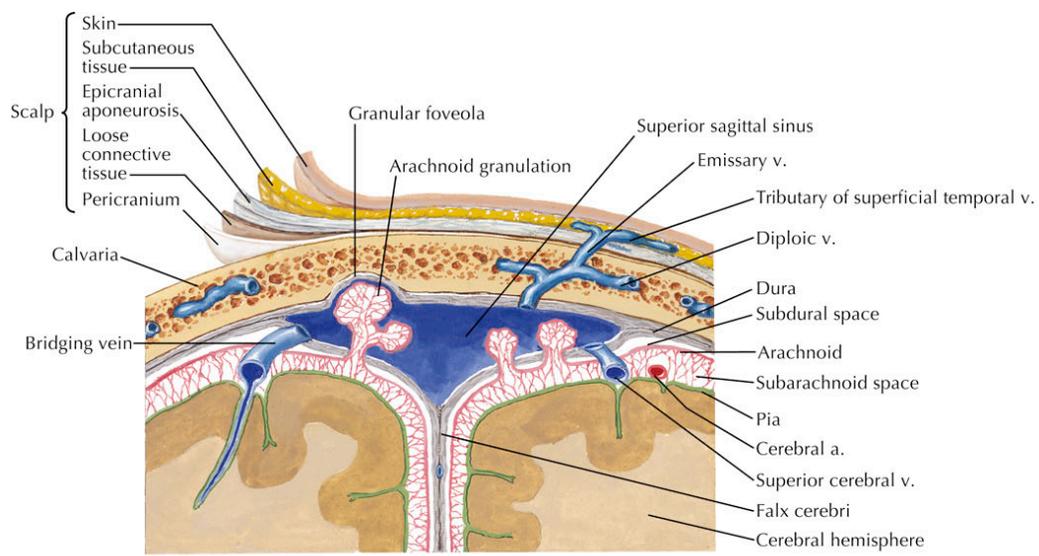


PLATE S-28 Meninges and Superficial Cerebral Veins

See also [Plate S-50](#)

Plate S-29. Dural Venous Sinuses: Sagittal Section

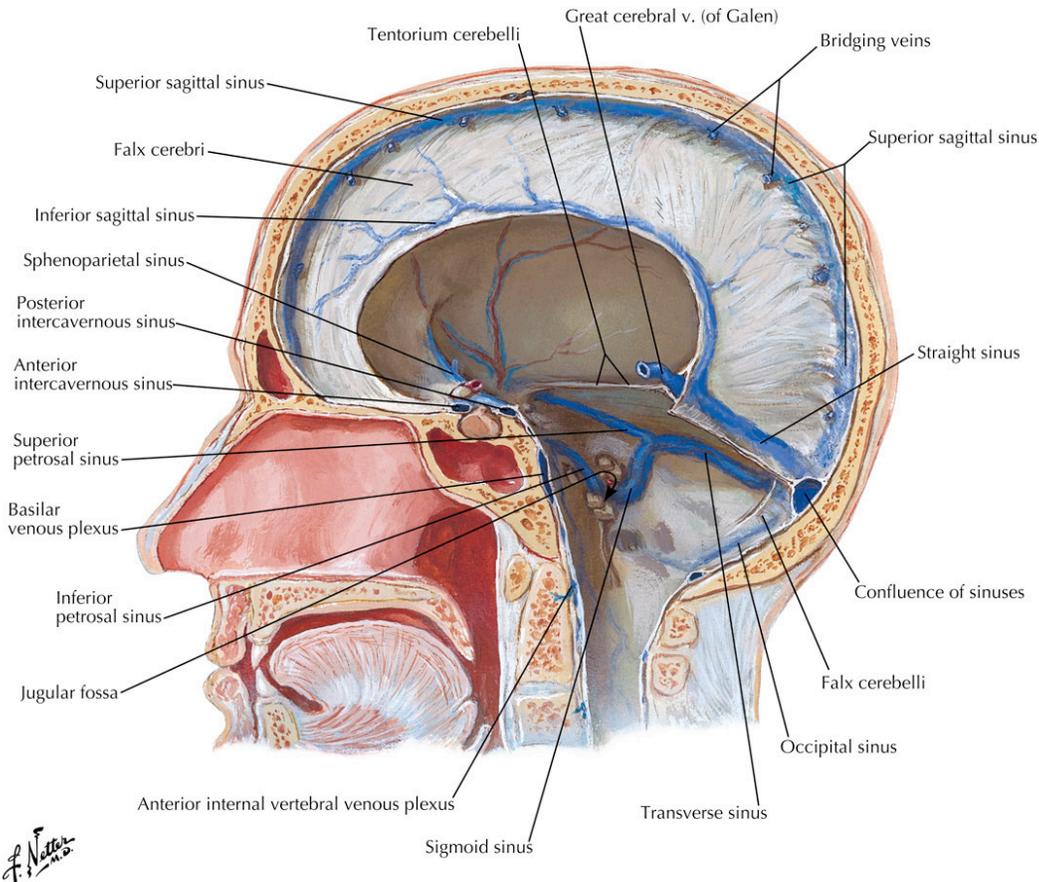
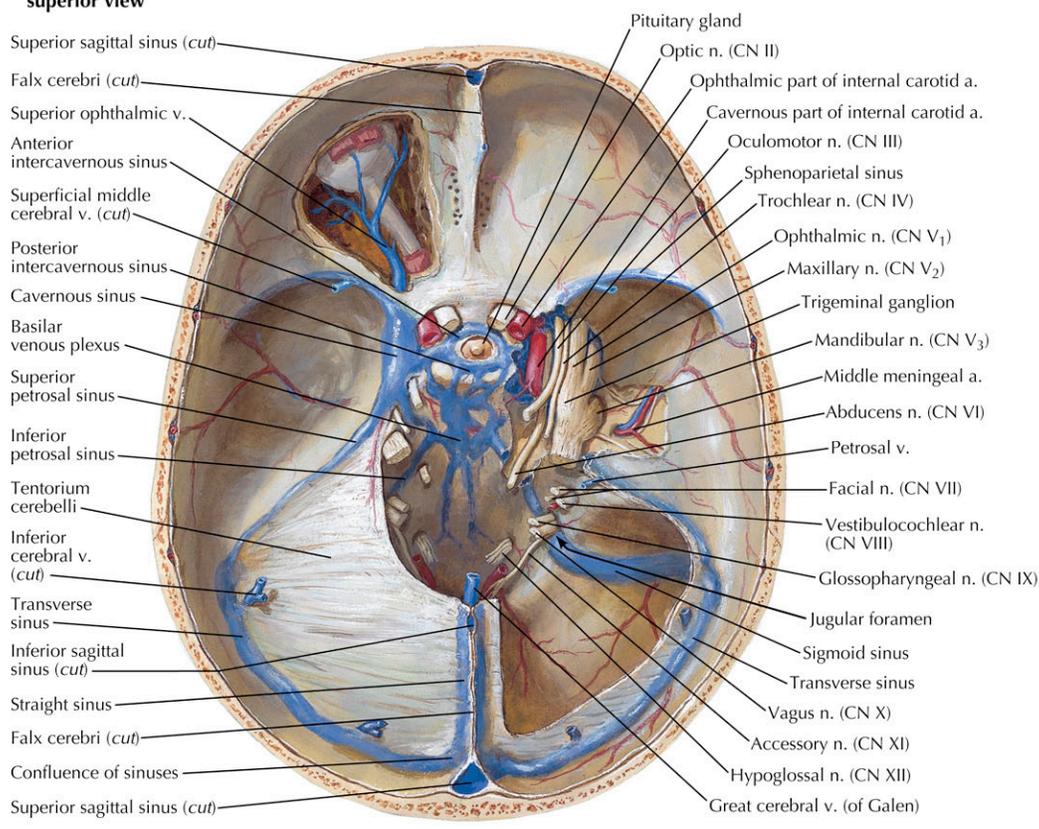


PLATE S-29 Dural Venous Sinuses: Sagittal Section

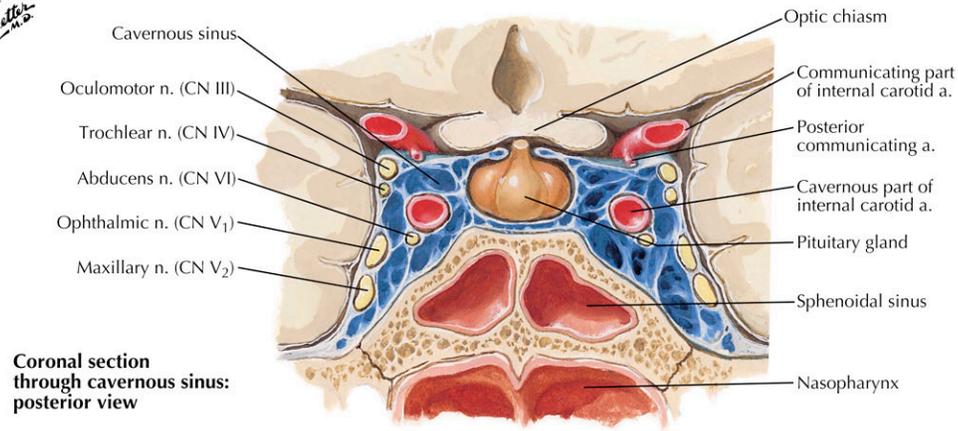
See also Plates [S-26](#), [S-32](#)

Plate S-30. Dural Venous Sinuses: Cranial Base

**Skull sectioned horizontally:
superior view**



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**Coronal section
through cavernous sinus:
posterior view**

PLATE S-30 Dural Venous Sinuses: Cranial Base

Plate S-31. Brain: Lateral Views

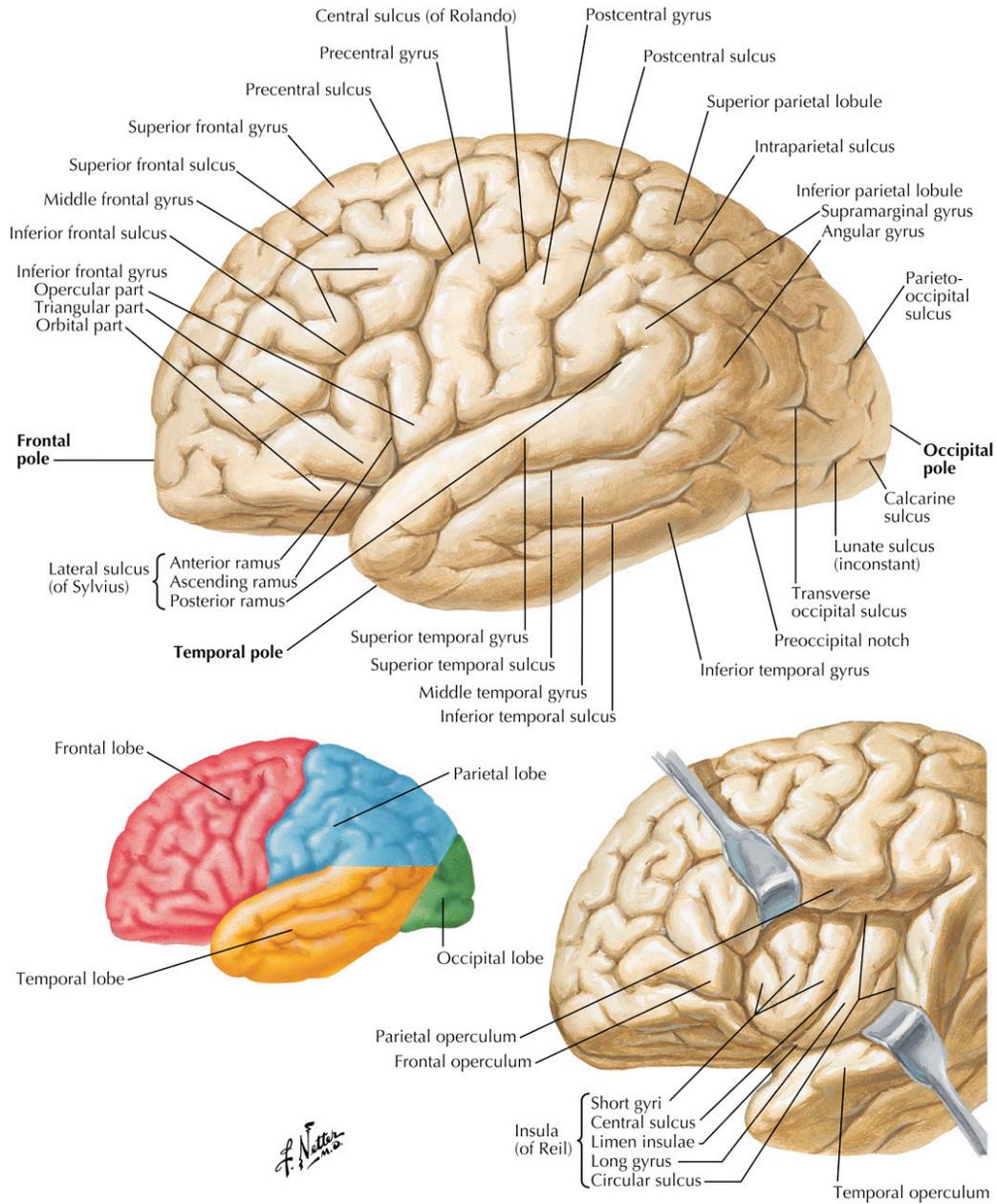


PLATE S-31 Brain: Lateral Views

Plate S-32. Brain: Medial Views

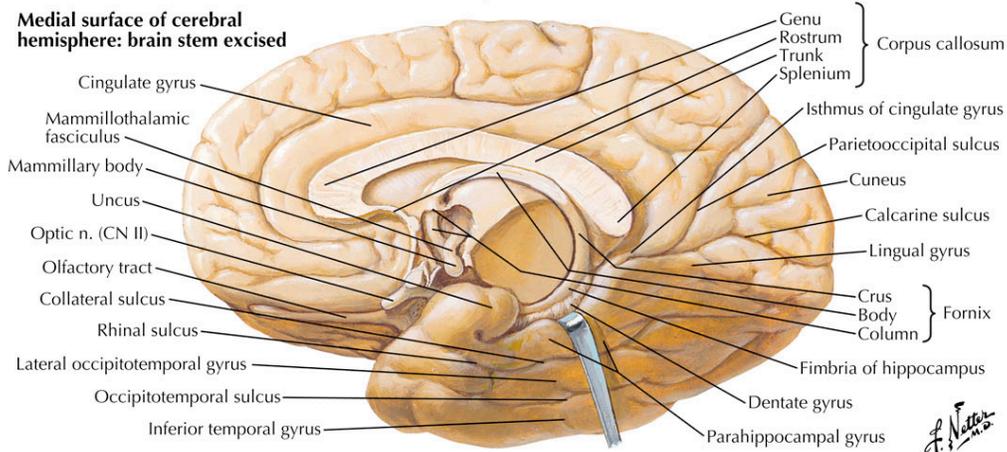
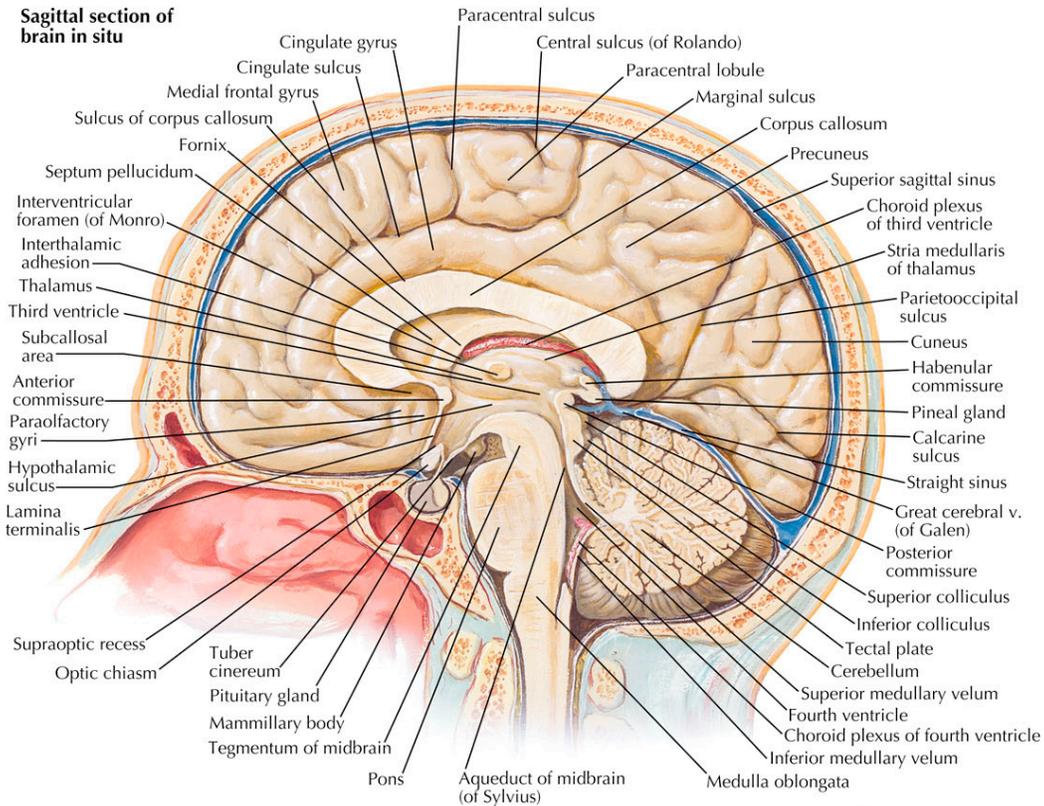
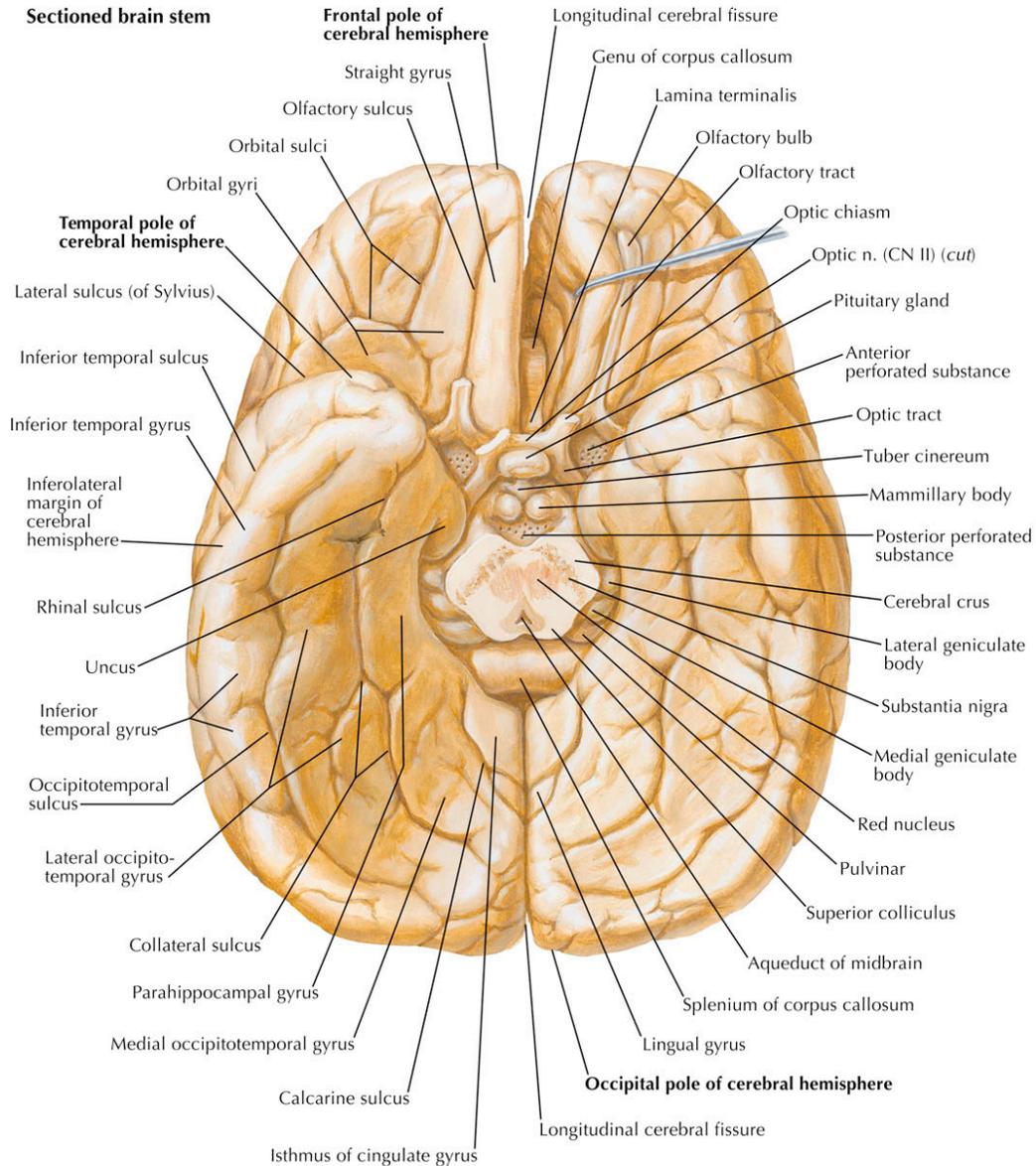


PLATE S-32 Brain: Medial Views

See also [Plate S-524](#)

Plate S-33. Brain: Inferior View

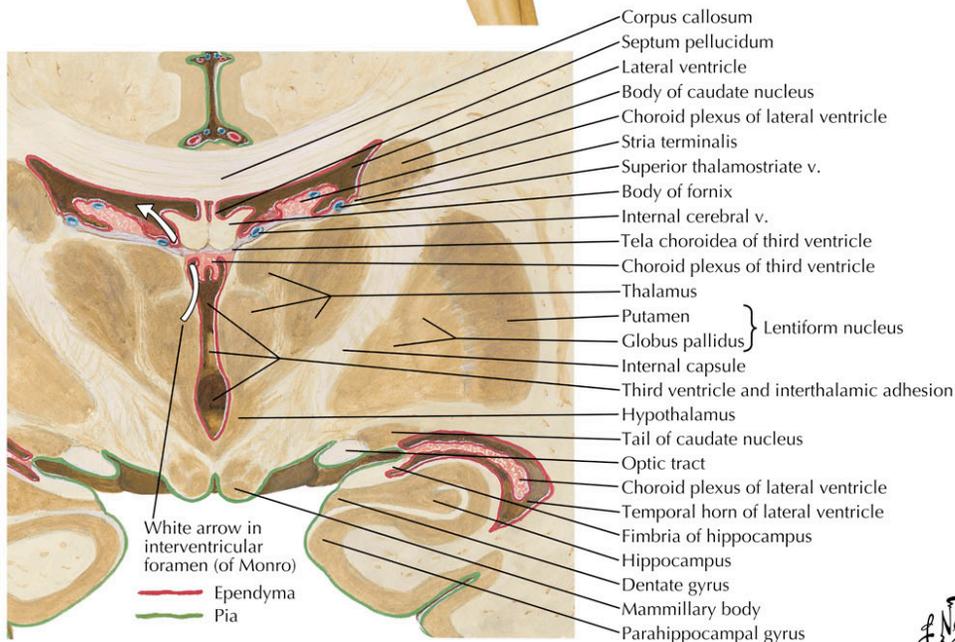
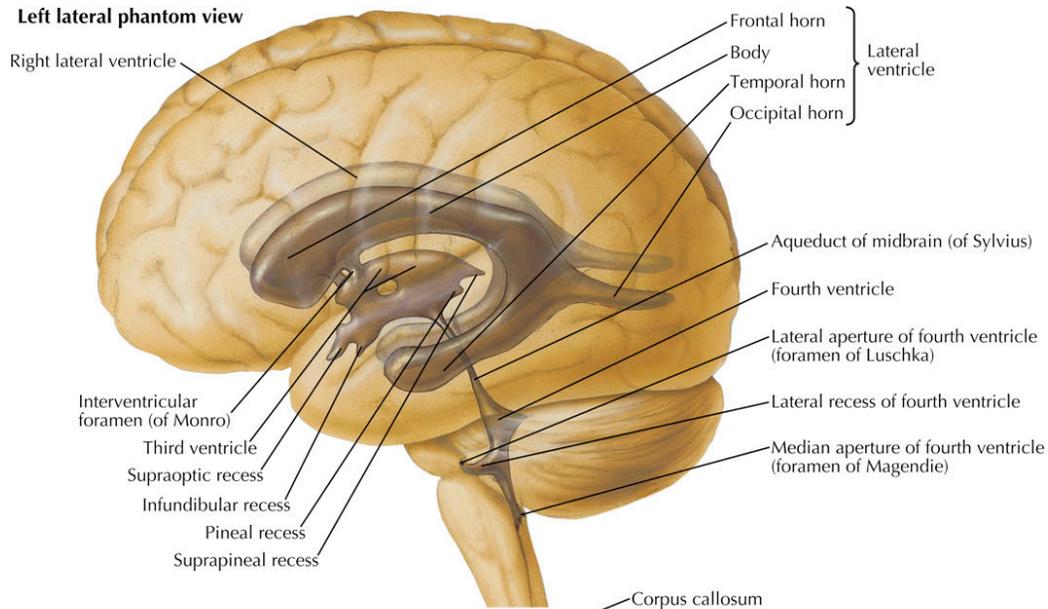


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PLATE S-33 Brain: Inferior View

See also [Plate S-32](#)

Plate S-34. Ventricles of Brain



Coronal section of brain: posterior view

PLATE S-34 Ventricles of Brain

See also [Plate S-35](#)

Plate S-35. Circulation of Cerebrospinal Fluid

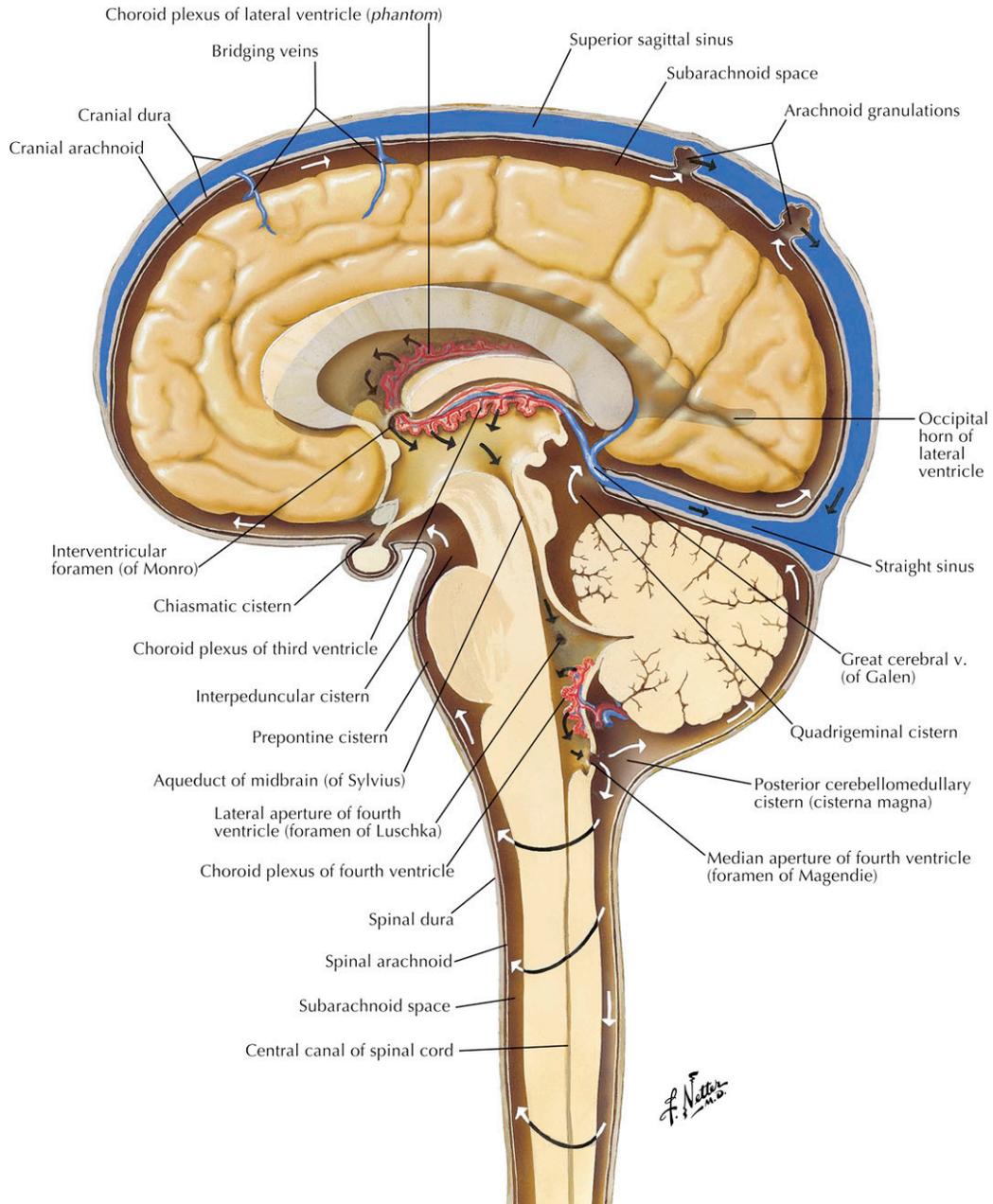
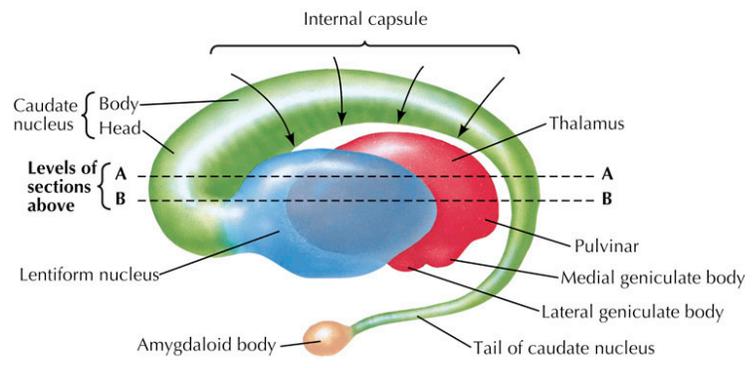
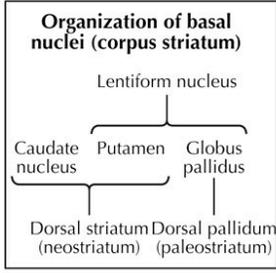
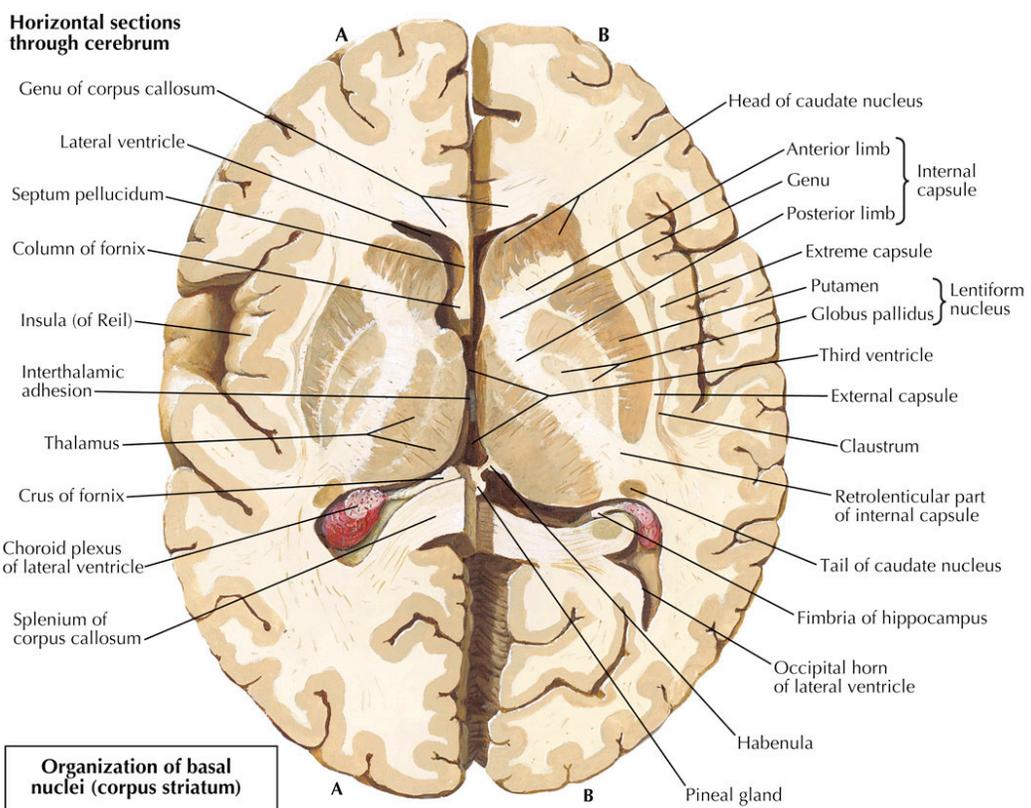


PLATE S-35 Circulation of Cerebrospinal Fluid

See also Plates [S-34](#), [S-51](#)

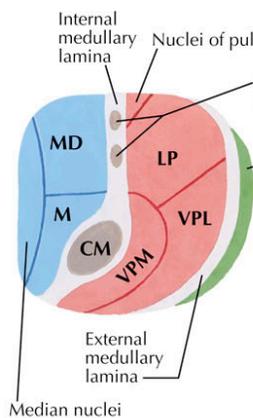
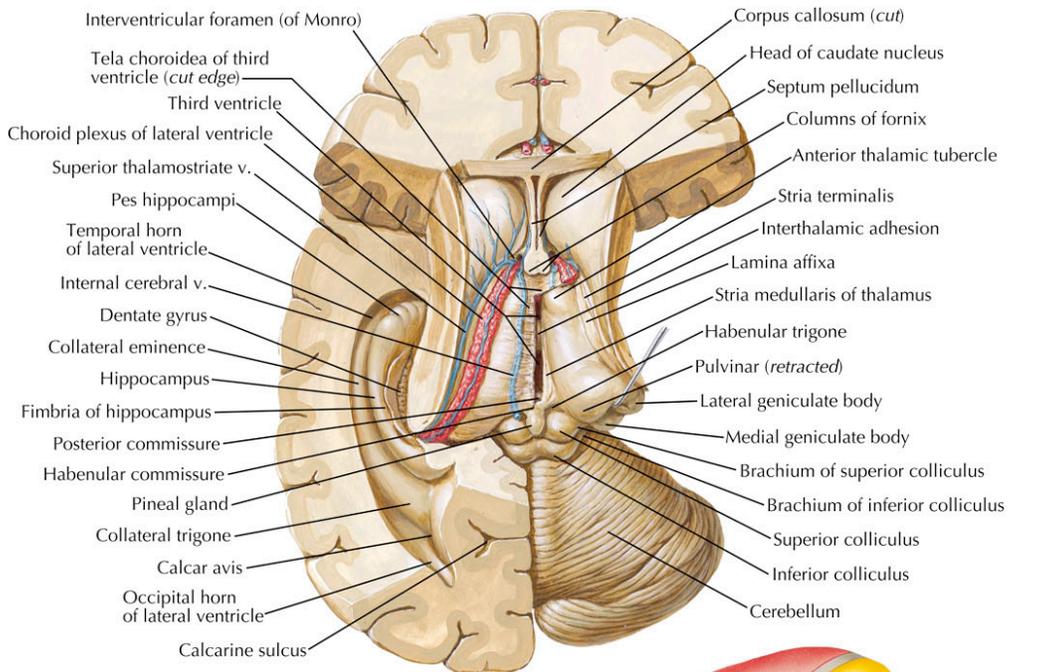
Plate S-36. Basal Nuclei



Interrelationship of thalamus, lentiform nucleus, caudate nucleus, and amygdaloid body (schema): left lateral view

PLATE S-36 Basal Nuclei

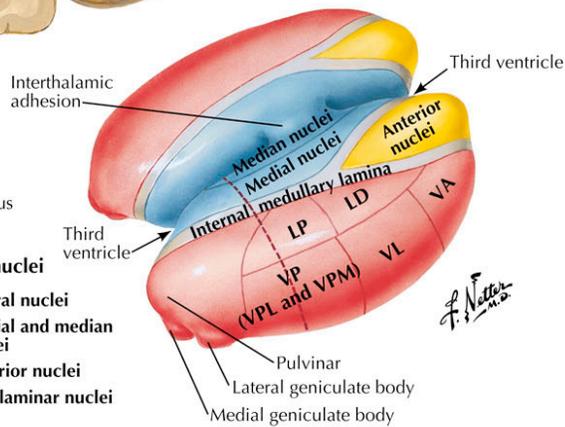
Plate S-37. Thalamus and Related Structures



Schematic section through thalamus
(at level of broken line shown in figure at right)

- Thalamic nuclei**
- Lateral nuclei
 - Medial and median nuclei
 - Anterior nuclei
 - Intralaminar nuclei

- CM** Centromedian nucleus
- LD** Lateral dorsal nucleus
- LP** Lateral posterior nucleus
- M** Medial nuclei
- MD** Medial dorsal nucleus
- VA** Ventral anterior nucleus
- VL** Ventral lateral nuclei
- VP** Ventral posterior nuclei
- VPL** Ventral posterolateral nucleus
- VPM** Ventral posteromedial nucleus

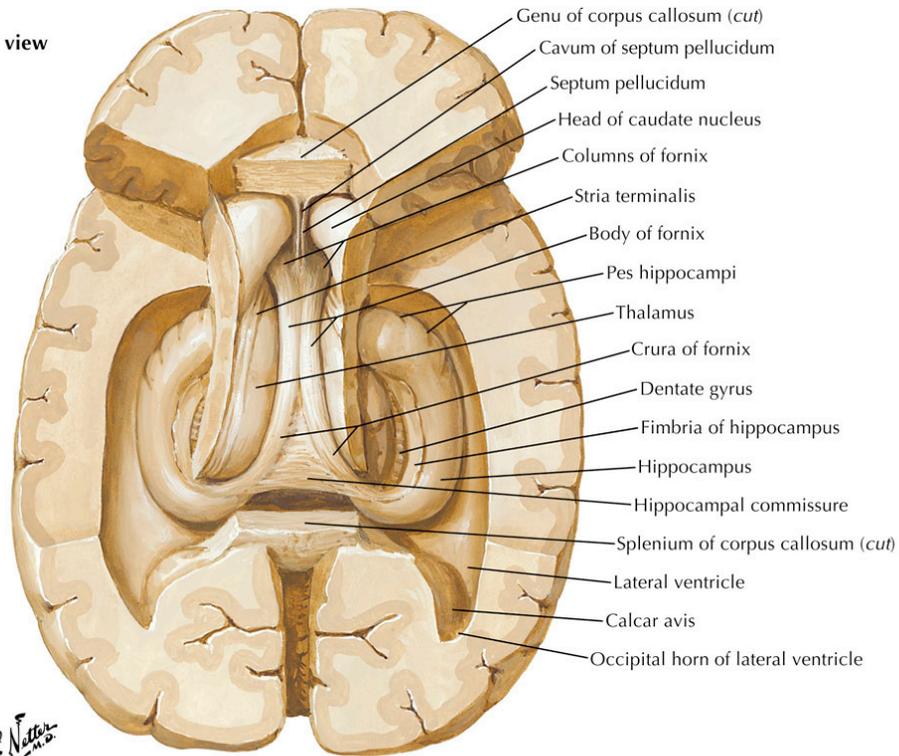


Schematic representation of thalamus
(external medullary lamina and reticular nucleus removed)

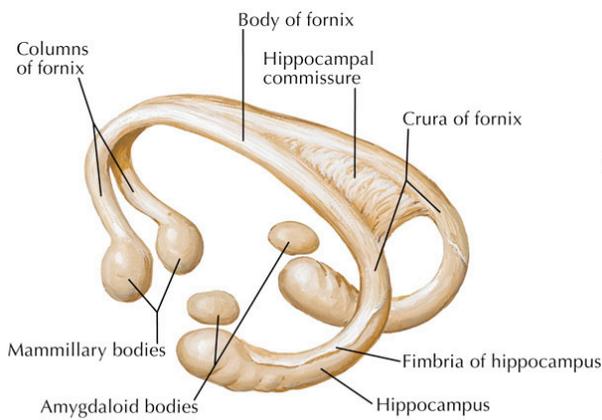
PLATE S-37 Thalamus and Related Structures

Plate S-38. Hippocampus and Fornix

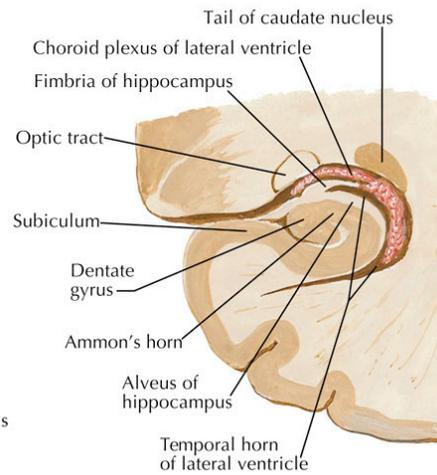
Superior view



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Fornix: schema



Coronal section: posterior view

PLATE S-38 Hippocampus and Fornix

Plate S-39. Cranial Imaging (MRI)

T1-weighted MRI, sagittal view



T2-weighted MRI, axial views without contrast

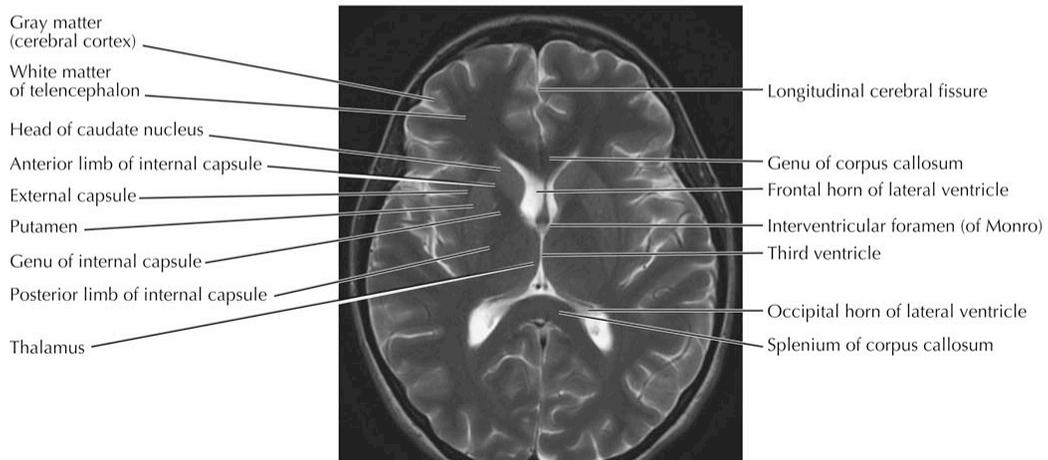
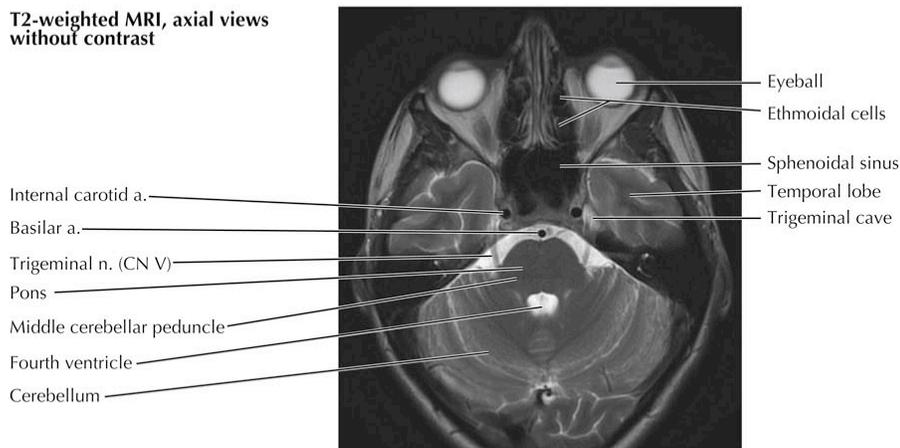


PLATE S-39 Cranial Imaging (MRI)

See also **Plates S-32, S-36**

Plate S-40. Brain Stem

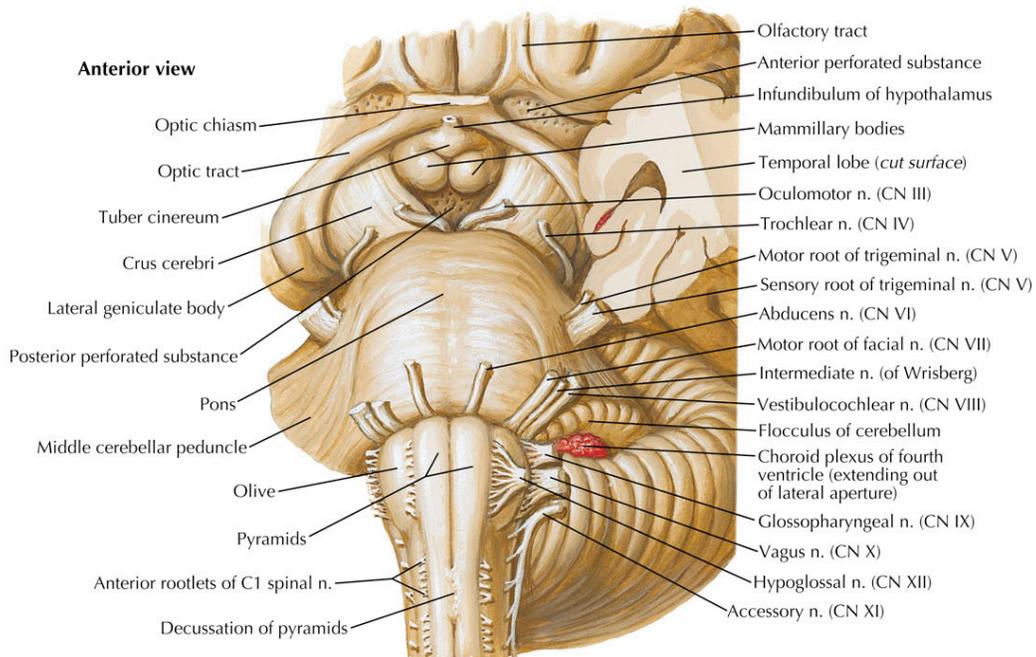
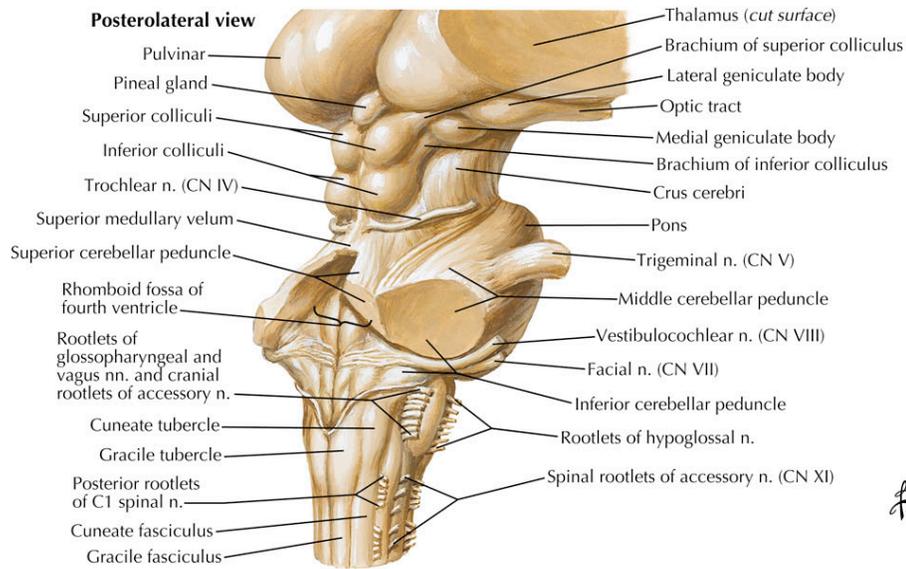


PLATE S-40 Brain Stem

Plate S-41. Ventricles and Cerebellum

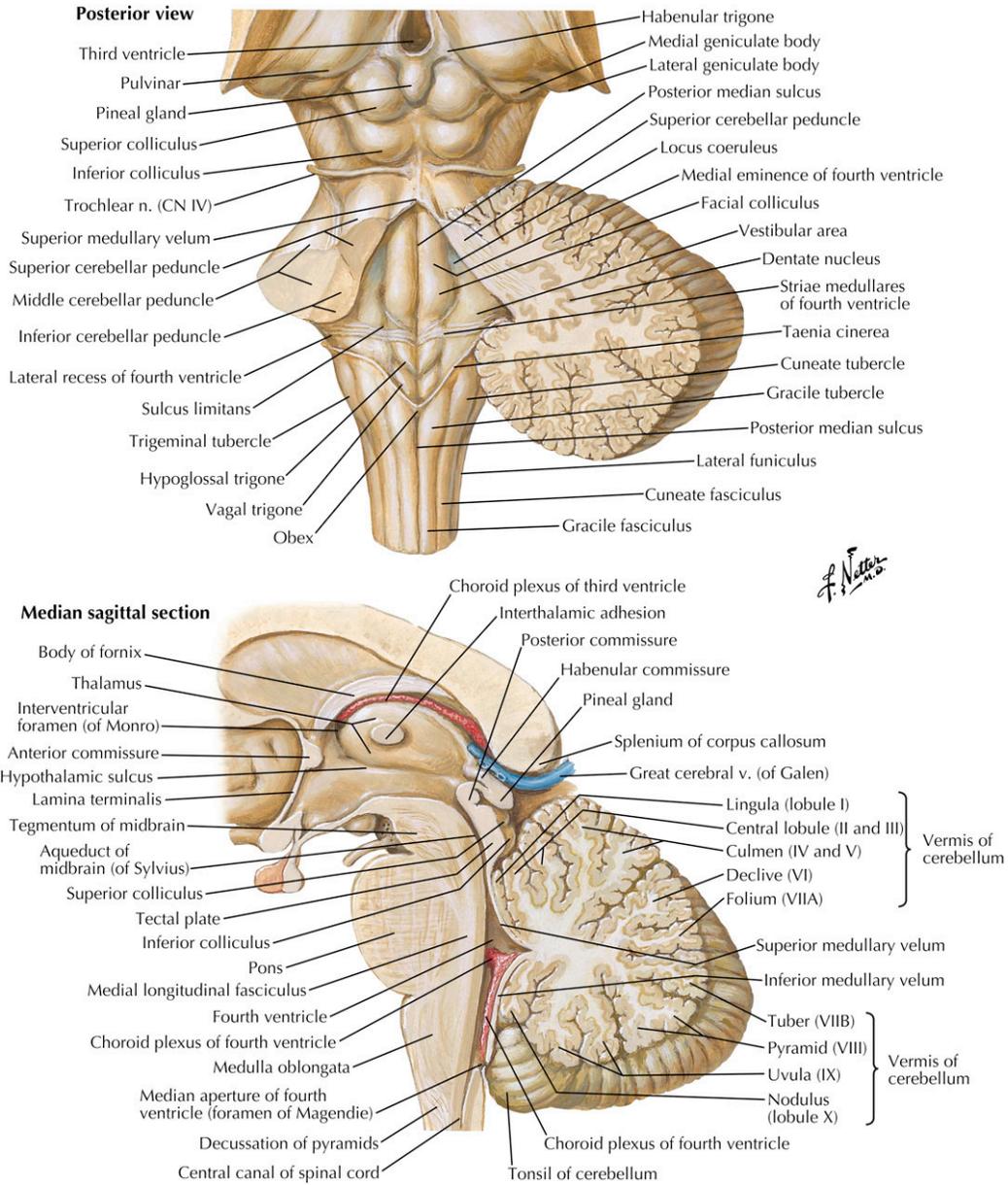


PLATE S-41 Ventricles and Cerebellum

Plate S-42. Cerebellum

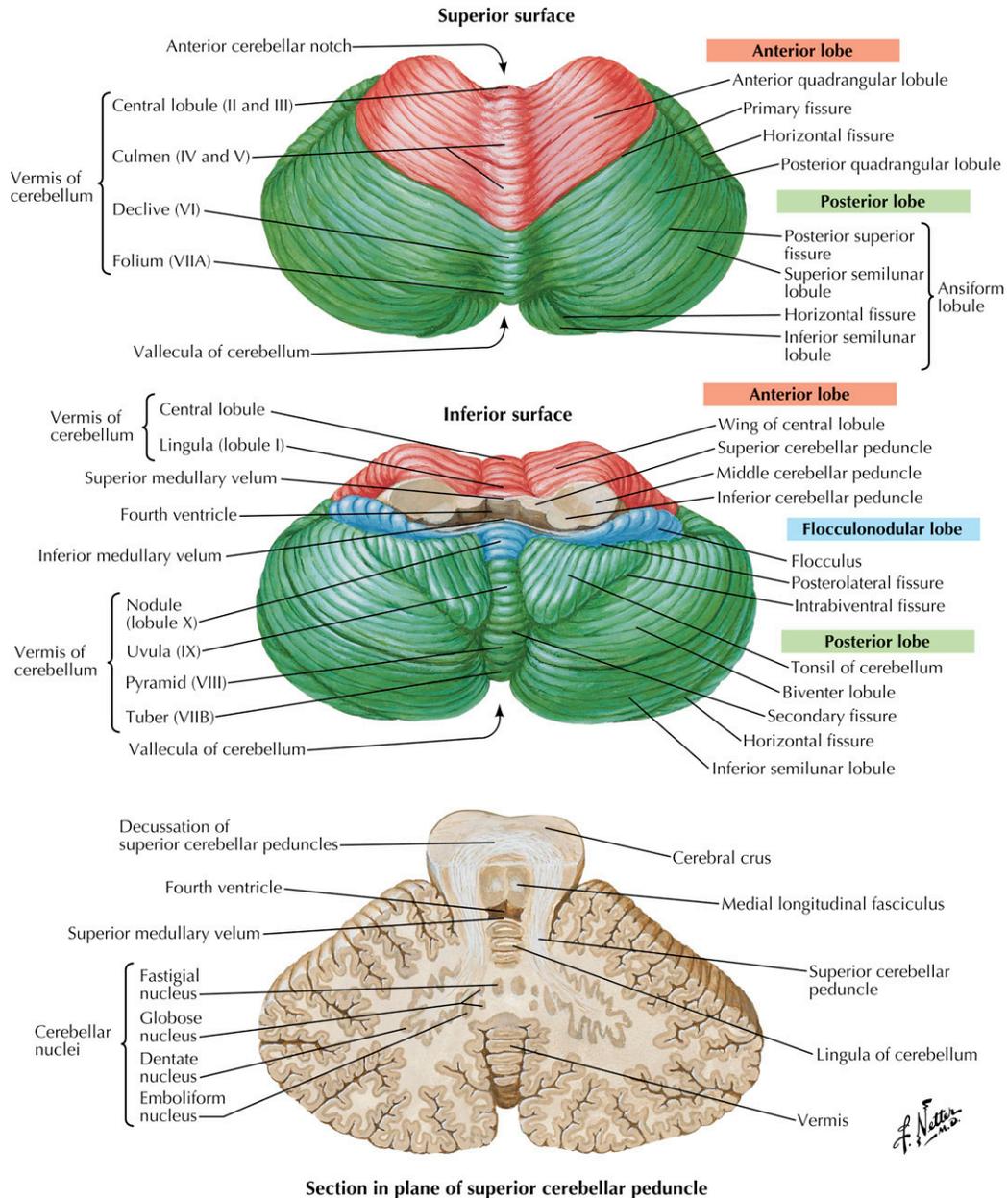


PLATE S-42 Cerebellum

See also [Plate S-41](#)

Cerebral Vasculature

Plate S-43. Arteries to Brain: Schema

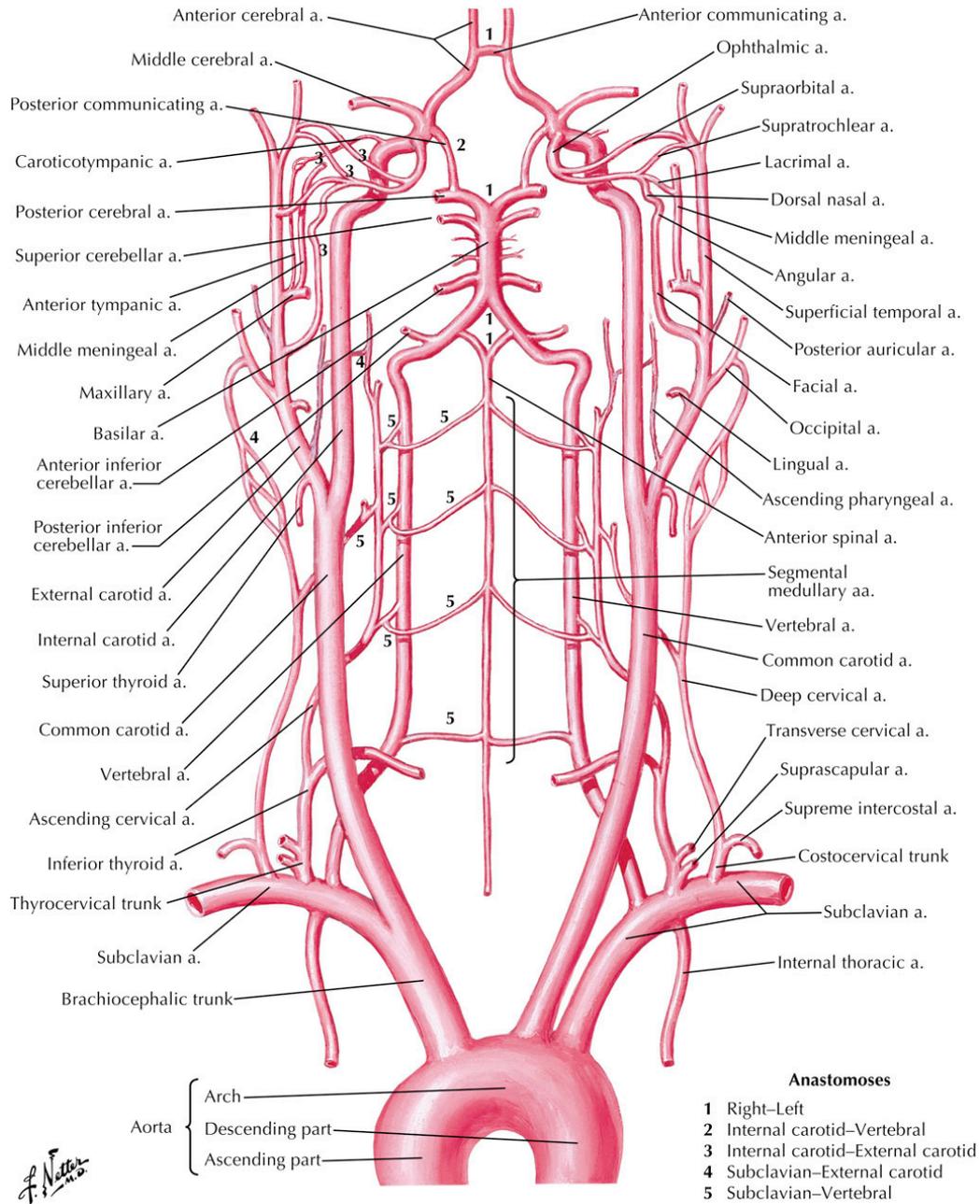


PLATE S-43 Arteries to Brain: Schema

Plate S-44. Arteries of Brain: Inferior Views

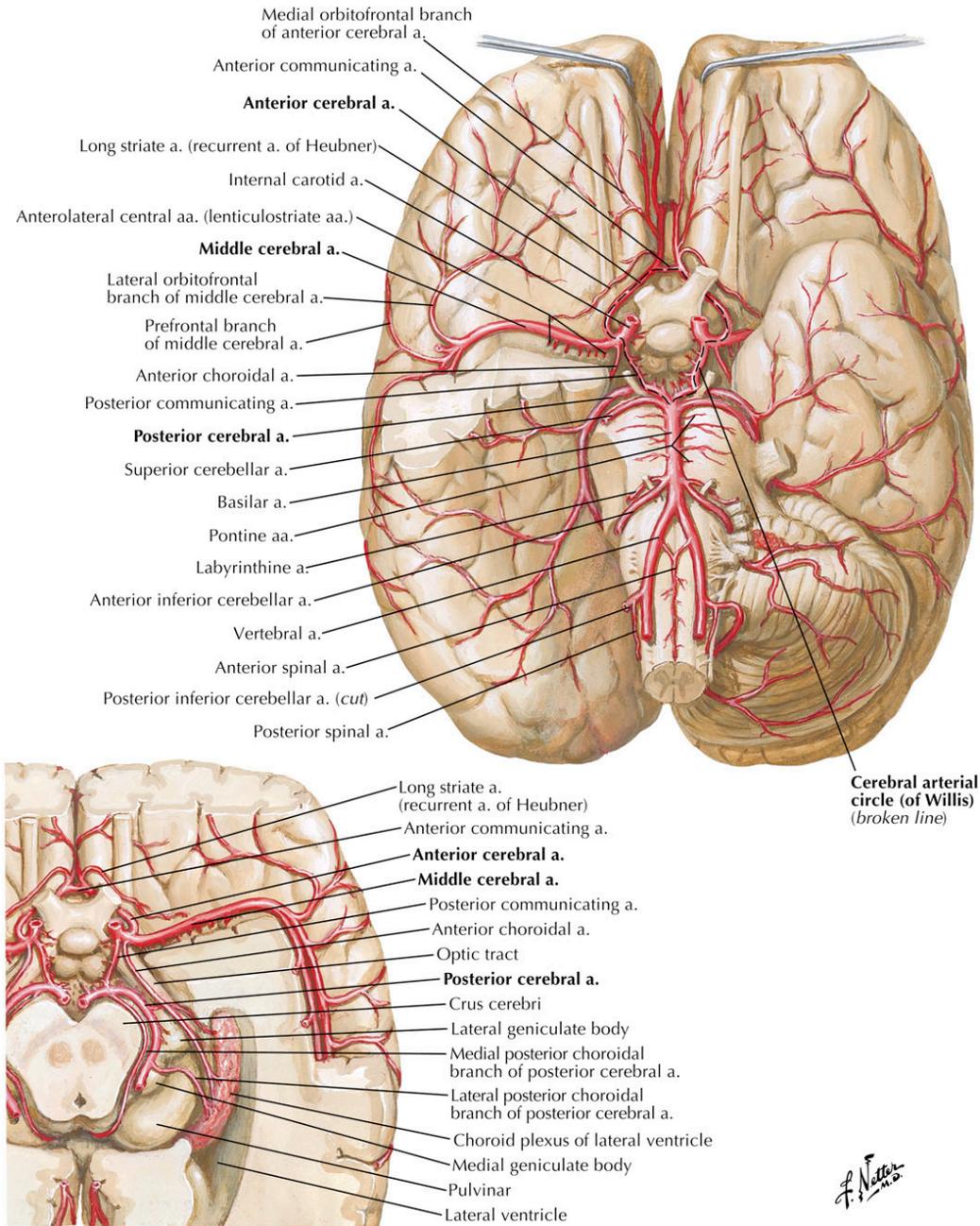
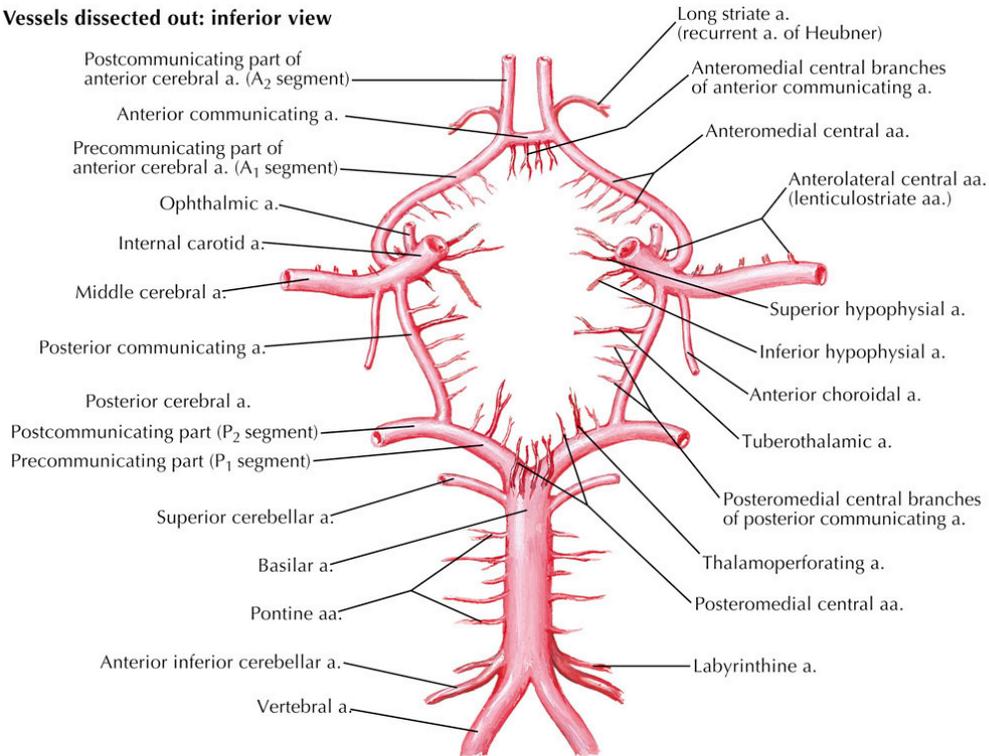


PLATE S-44 Arteries of Brain: Inferior Views

See also [Plates S-45, S-327, S-BP 11, S-BP 12](#)

Plate S-45. Cerebral Arterial Circle (of Willis)

Vessels dissected out: inferior view



Vessels in situ: inferior view

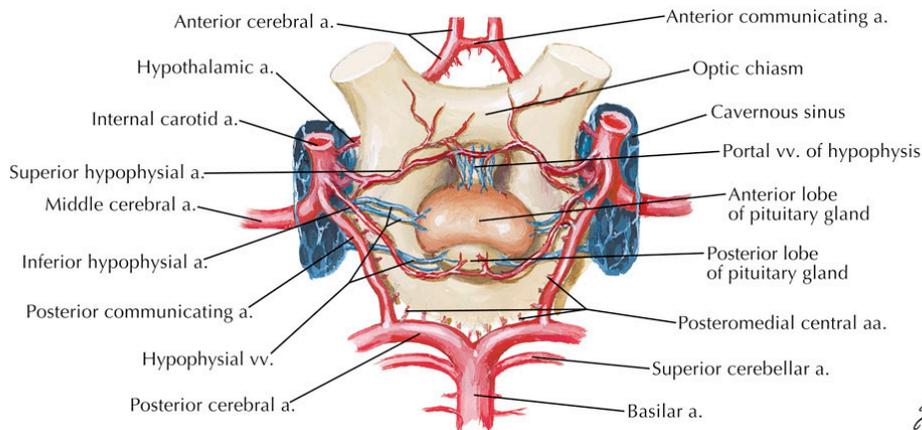


PLATE S-45 Cerebral Arterial Circle (of Willis)

See also **Plates S-44, S-52, S-BP 11**

Plate S-46. Arteries of Brain: Frontal View and Section

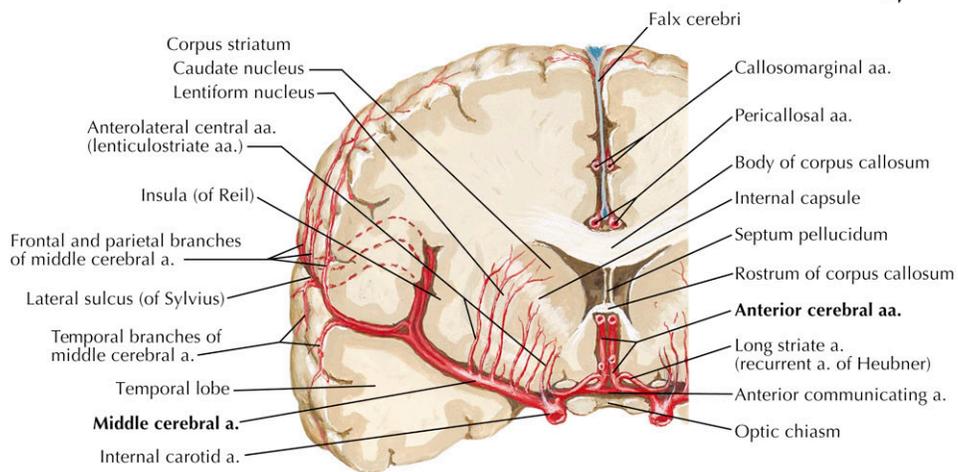
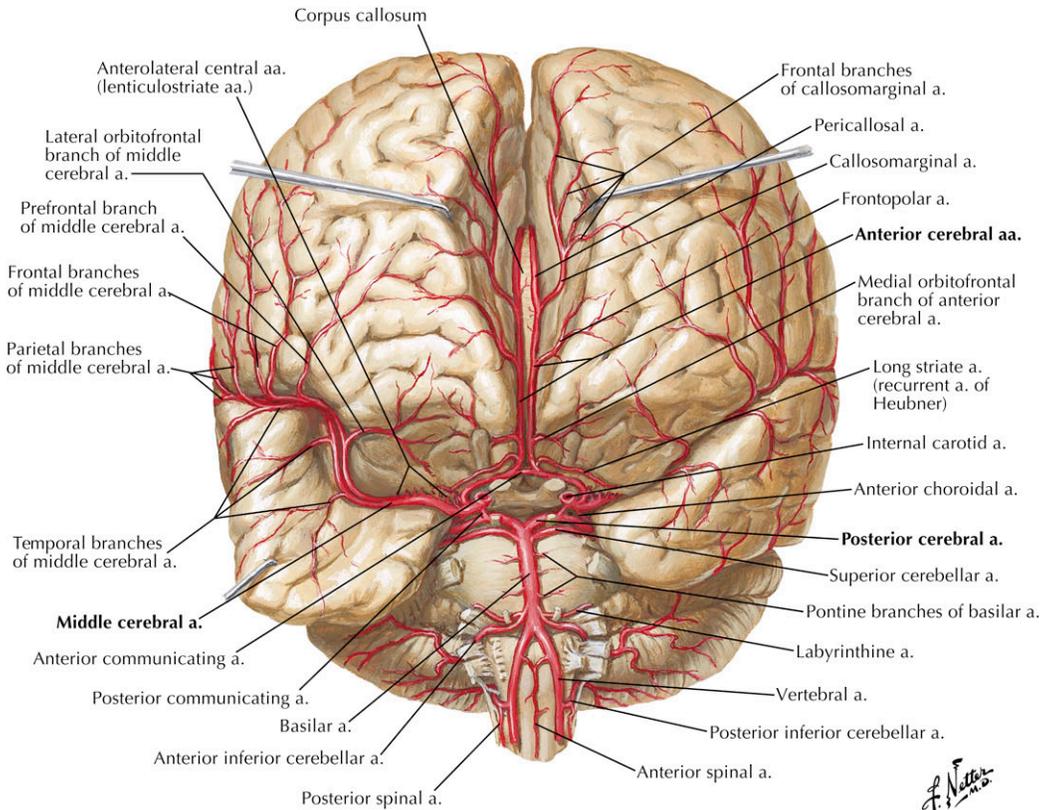


PLATE S-46 Arteries of Brain: Frontal View and Section

See also [Plate S-52](#)

Plate S-47. Arteries of Brain: Lateral and Medial Views

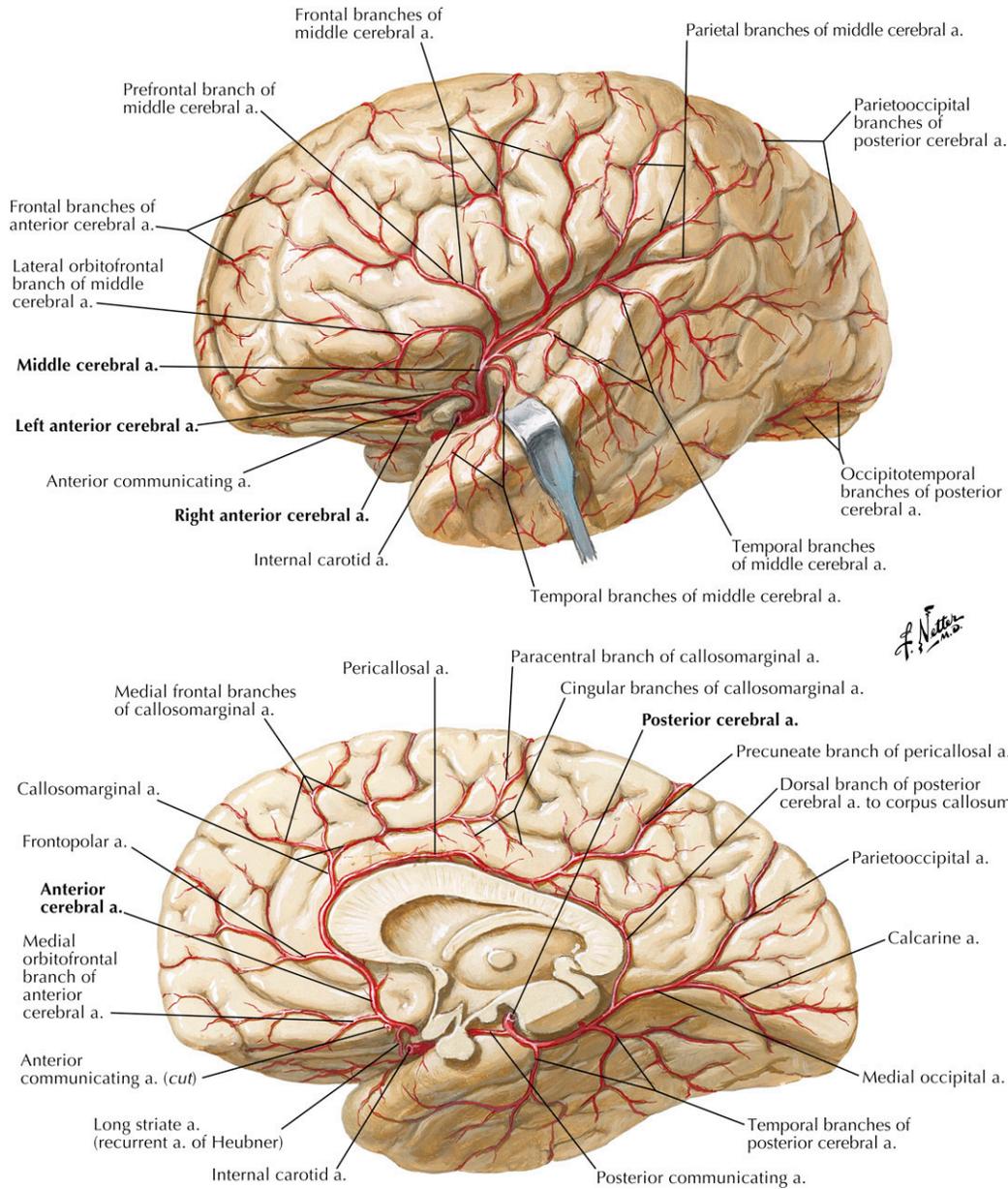


PLATE S-47 Arteries of Brain: Lateral and Medial Views

See also [Plate S-BP 11](#)

Plate S-48. Arteries of Brain: Branches of Vertebral and Basilar Arteries

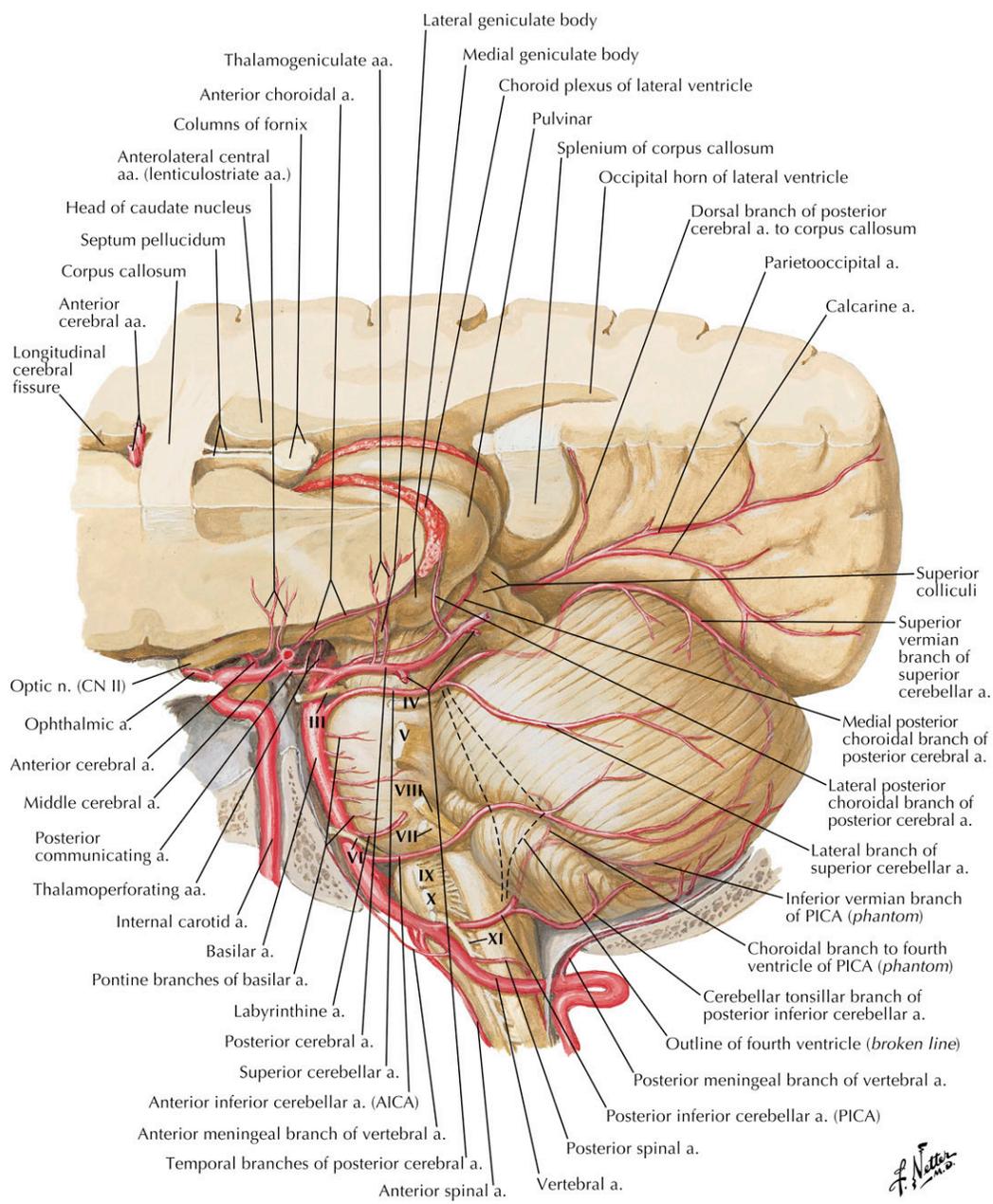


PLATE S-48 Arteries of Brain: Branches of Vertebral and Basilar Arteries

Plate S-49. Veins of Posterior Cranial Fossa

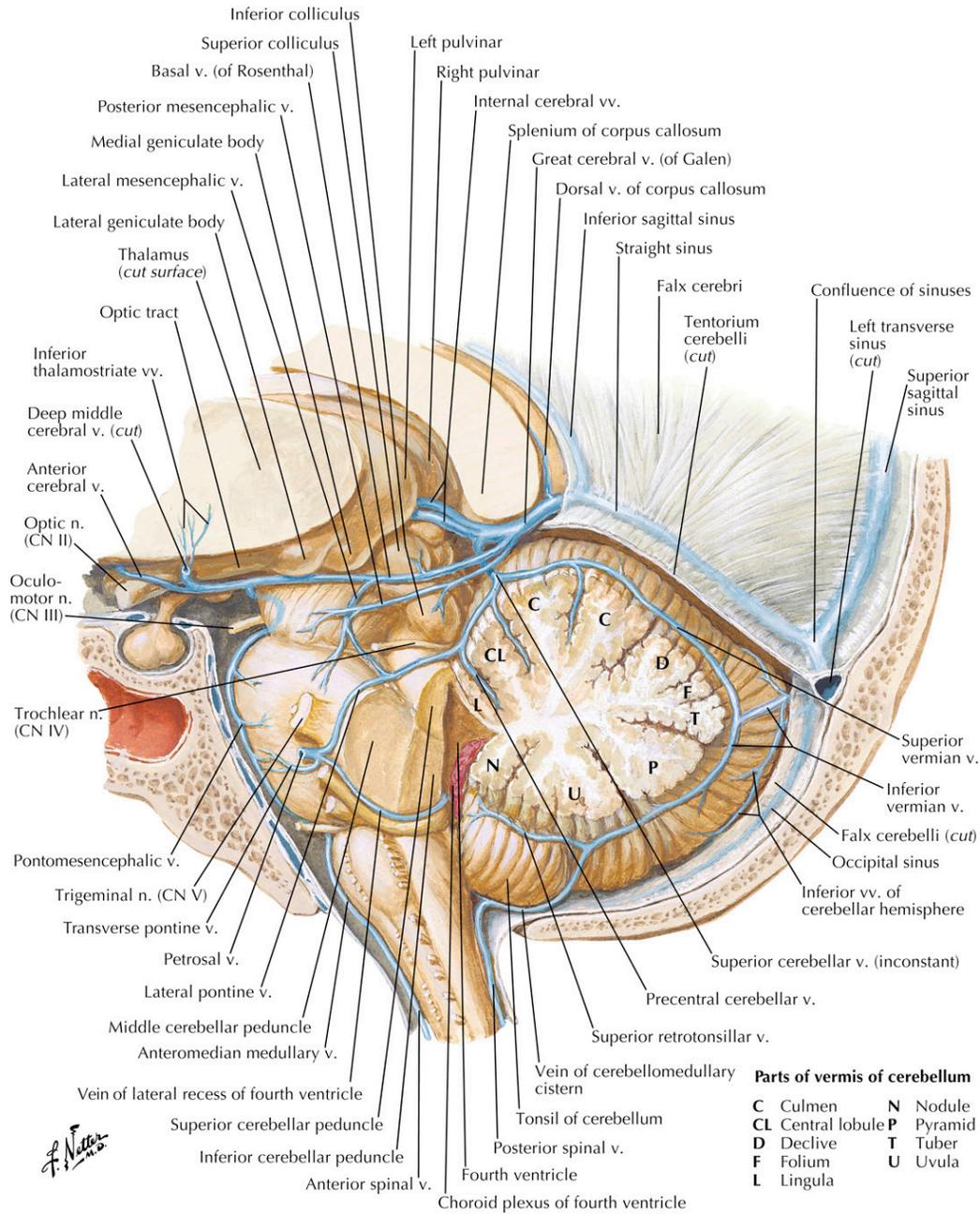
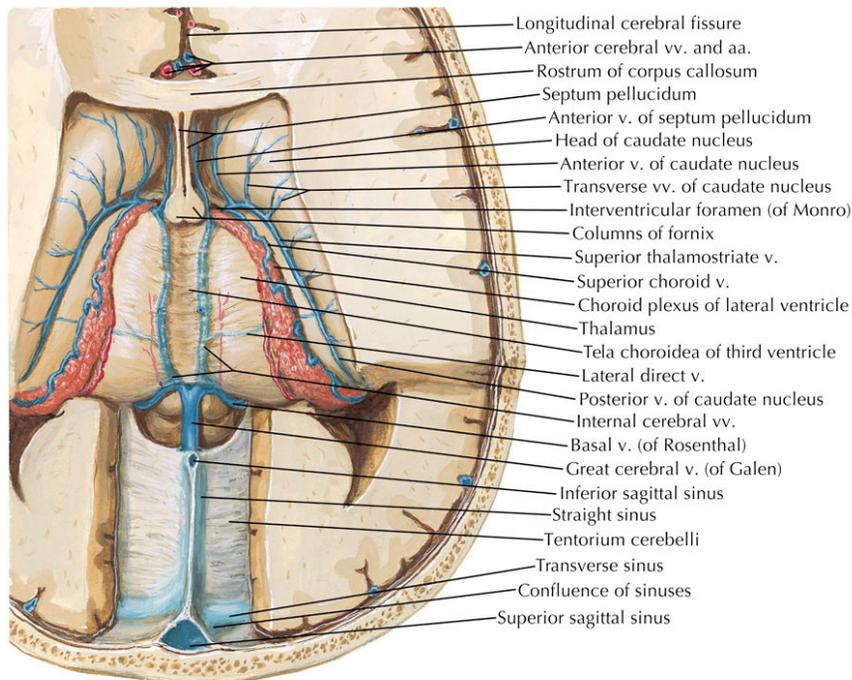


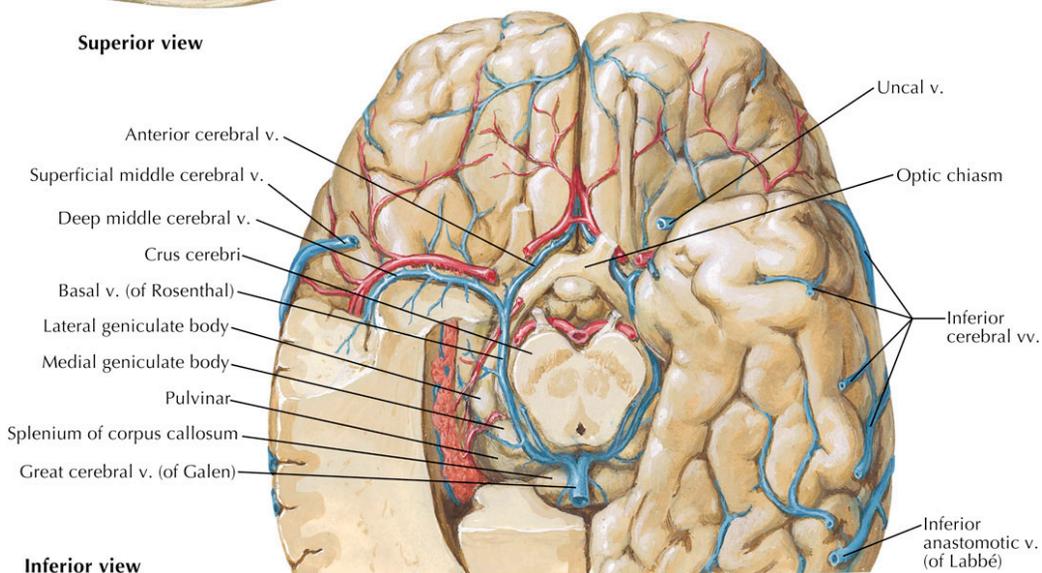
PLATE S-49 Veins of Posterior Cranial Fossa

Plate S-50. Deep Veins of Brain



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Superior view



Inferior view

PLATE S-50 Deep Veins of Brain

Plate S-51. Subependymal Veins of Brain

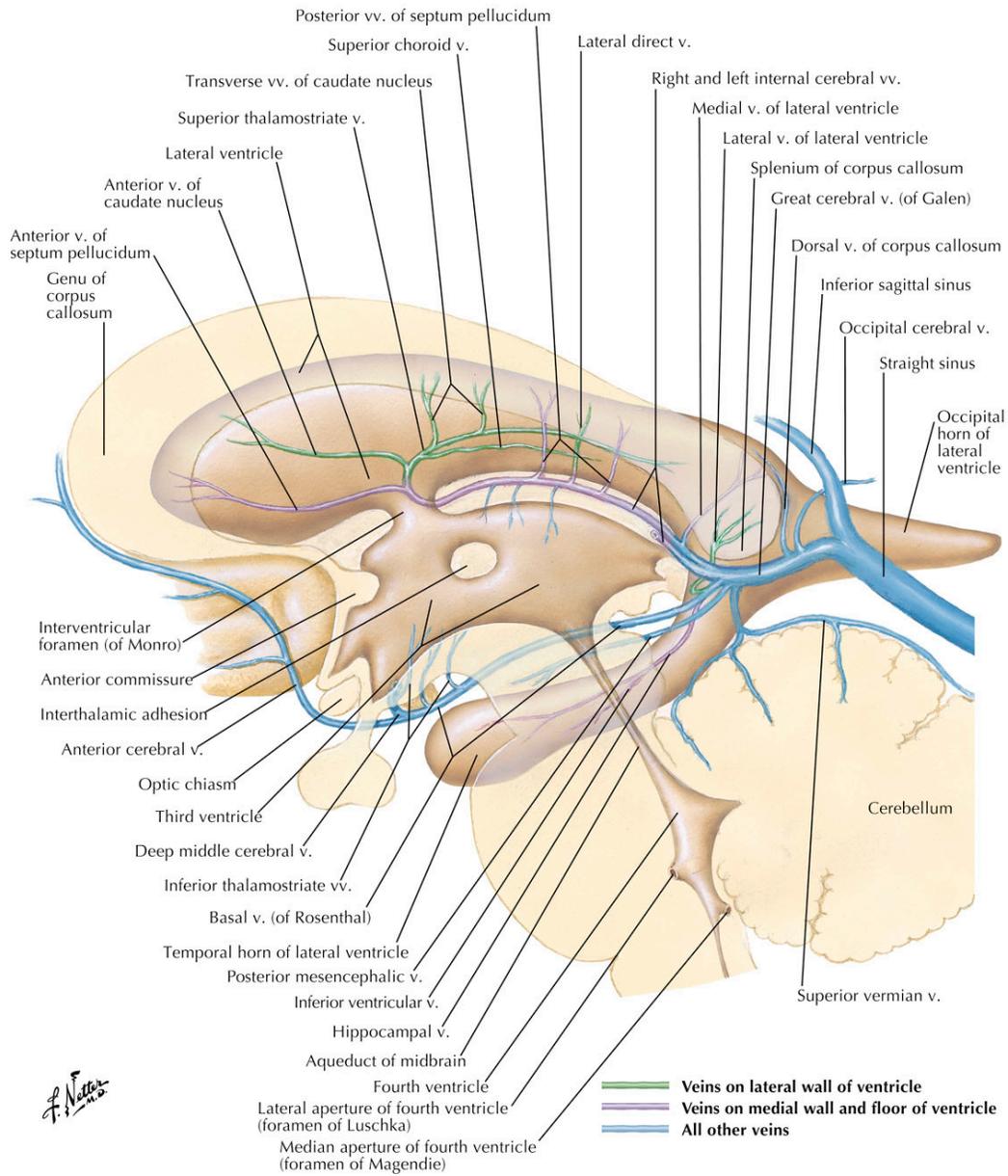


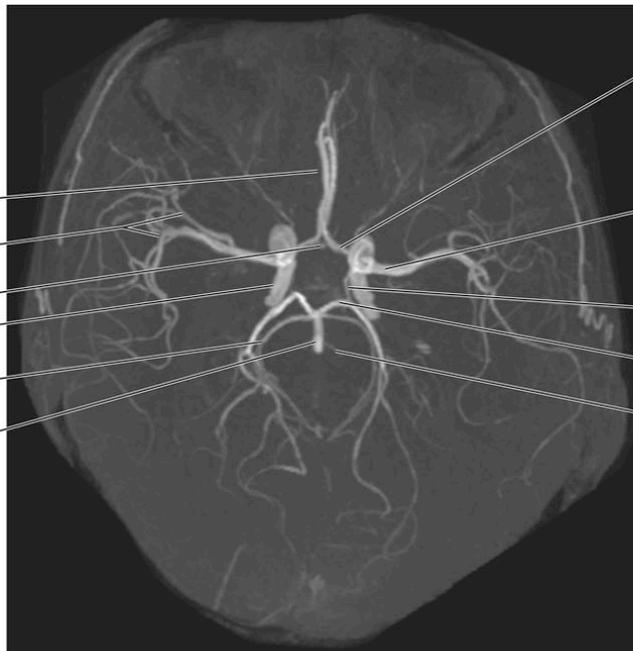
PLATE S-51 Subependymal Veins of Brain

See also [Plate S-34](#)

Plate S-52. Cranial Imaging (MRA and MRV)

Magnetic resonance angiography (MRA) at level of cerebral arterial circle (3D time-of-flight image without contrast)

- Postcommunicating part of anterior cerebral a. (A2 segment)
- Middle cerebral a. (M2 segments)
- Anterior communicating a.
- Internal carotid a.
- Superior cerebellar a.
- Basilar a.



- Precommunicating part of anterior cerebral a. (A1 segment)
- Middle cerebral a. (M1 segment)
- Posterior communicating a.
- Posterior cerebral a.
- Anterior inferior cerebellar a.

Magnetic resonance venography (MRV) (2D time-of-flight image without contrast)

- Superior cerebral v.
- Superior sagittal sinus
- Internal cerebral v.
- Great cerebral v. (of Galen)
- Straight sinus
- Confluence of sinuses
- Transverse sinus
- Sigmoid sinus
- Internal jugular v.

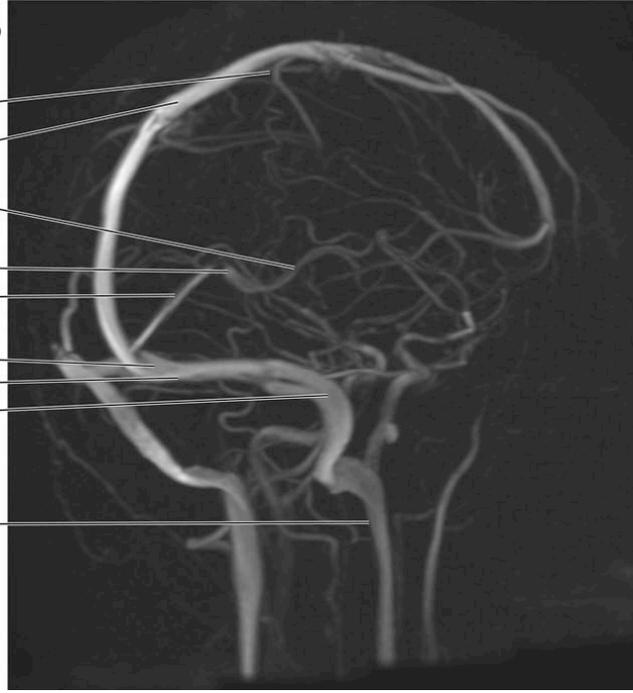


PLATE S-52 Cranial Imaging (MRA and MRV)

Cranial and Cervical Nerves

Plate S-53. Cranial Nerves (Motor and Sensory Distribution): Schema

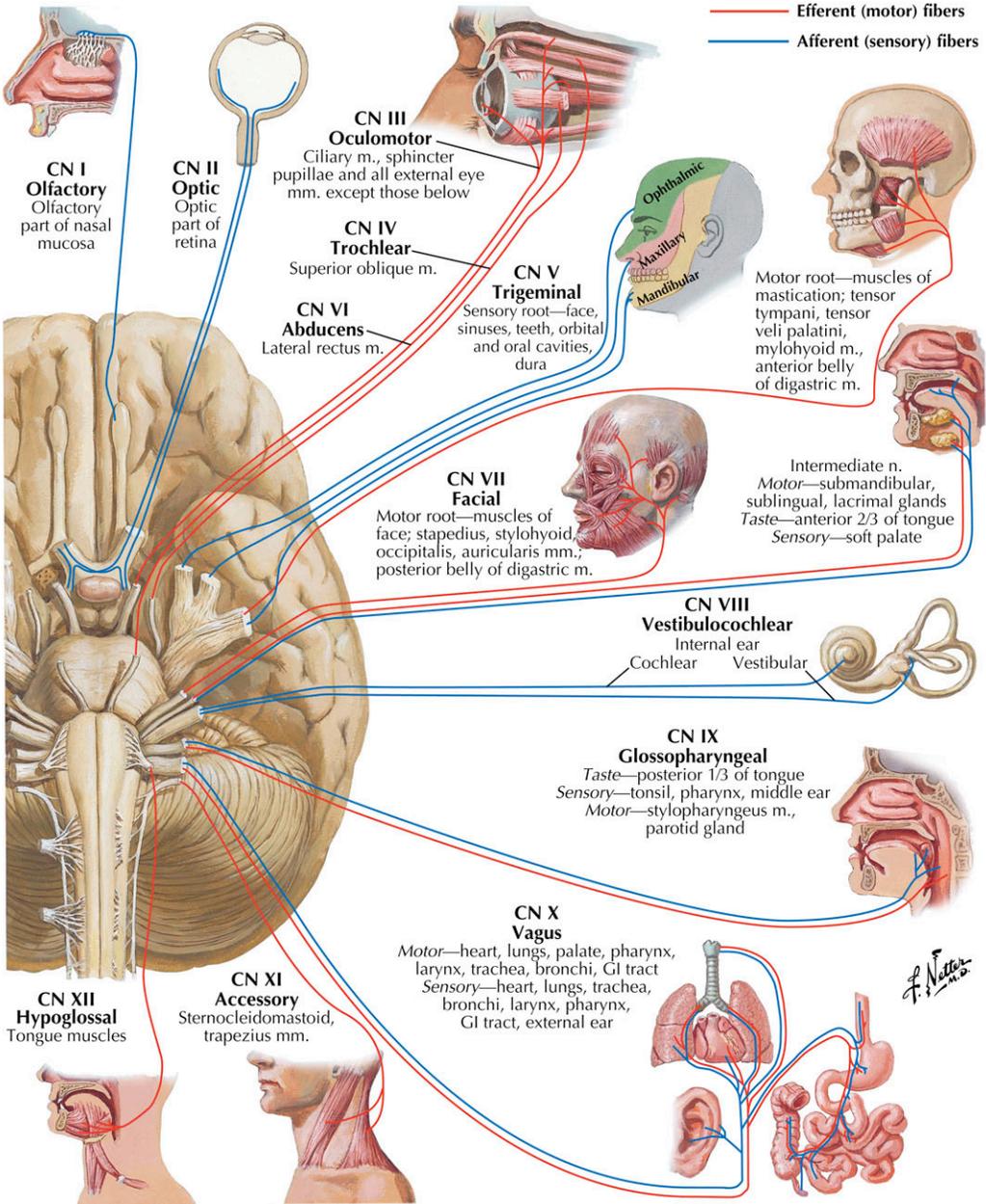
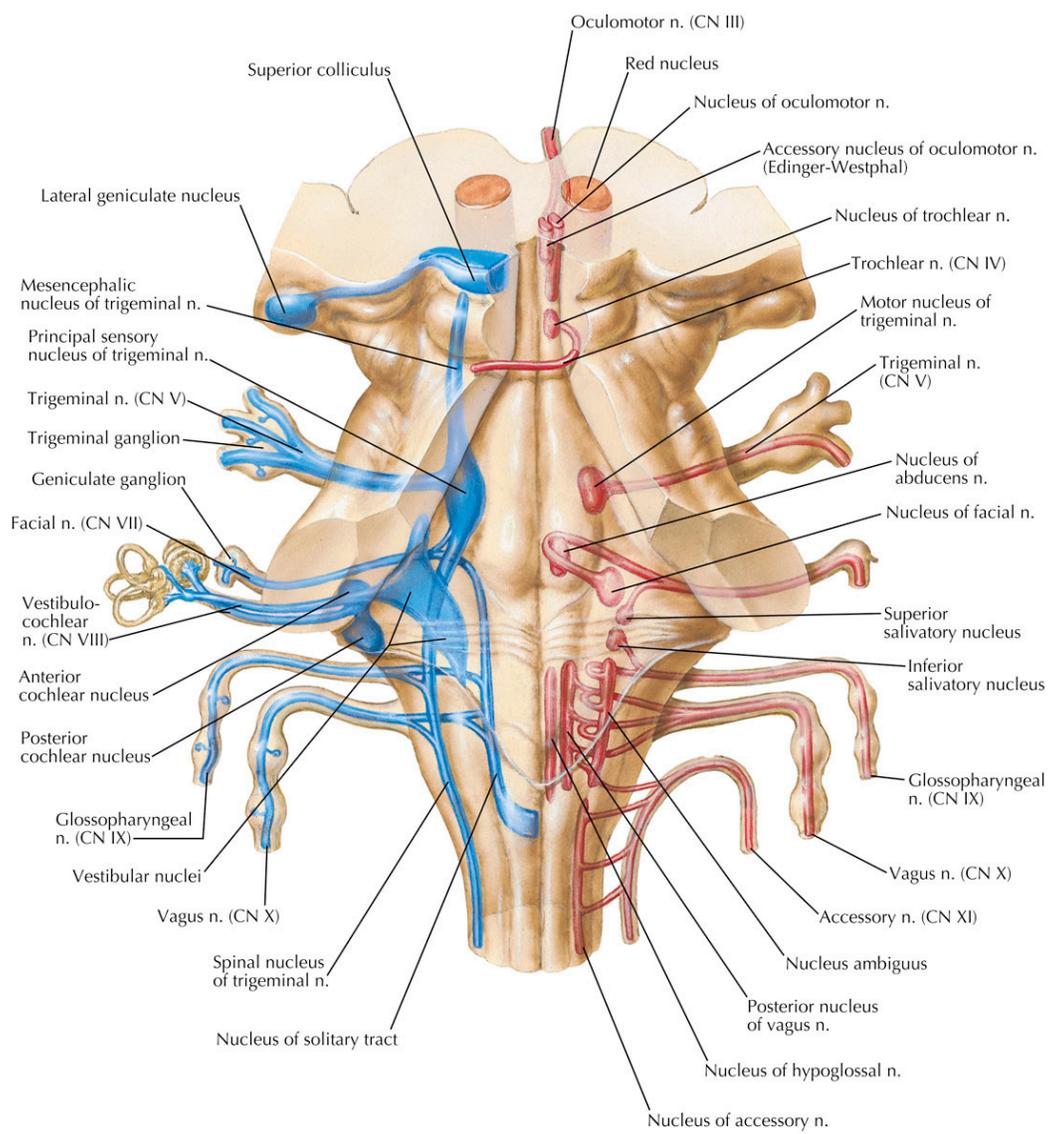


PLATE S-53 Cranial Nerves (Motor and Sensory Distribution): Schema

Plate S-54. Cranial Nerve Nuclei in Brain Stem: Schema



█ Efferent fibers and the nuclei of origin
█ Afferent fibers and the nuclei of termination

f. Netter

PLATE S-54 Cranial Nerve Nuclei in Brain Stem: Schema

Plate S-55. Cranial Nerve Nuclei in Brain Stem: Schema (continued)

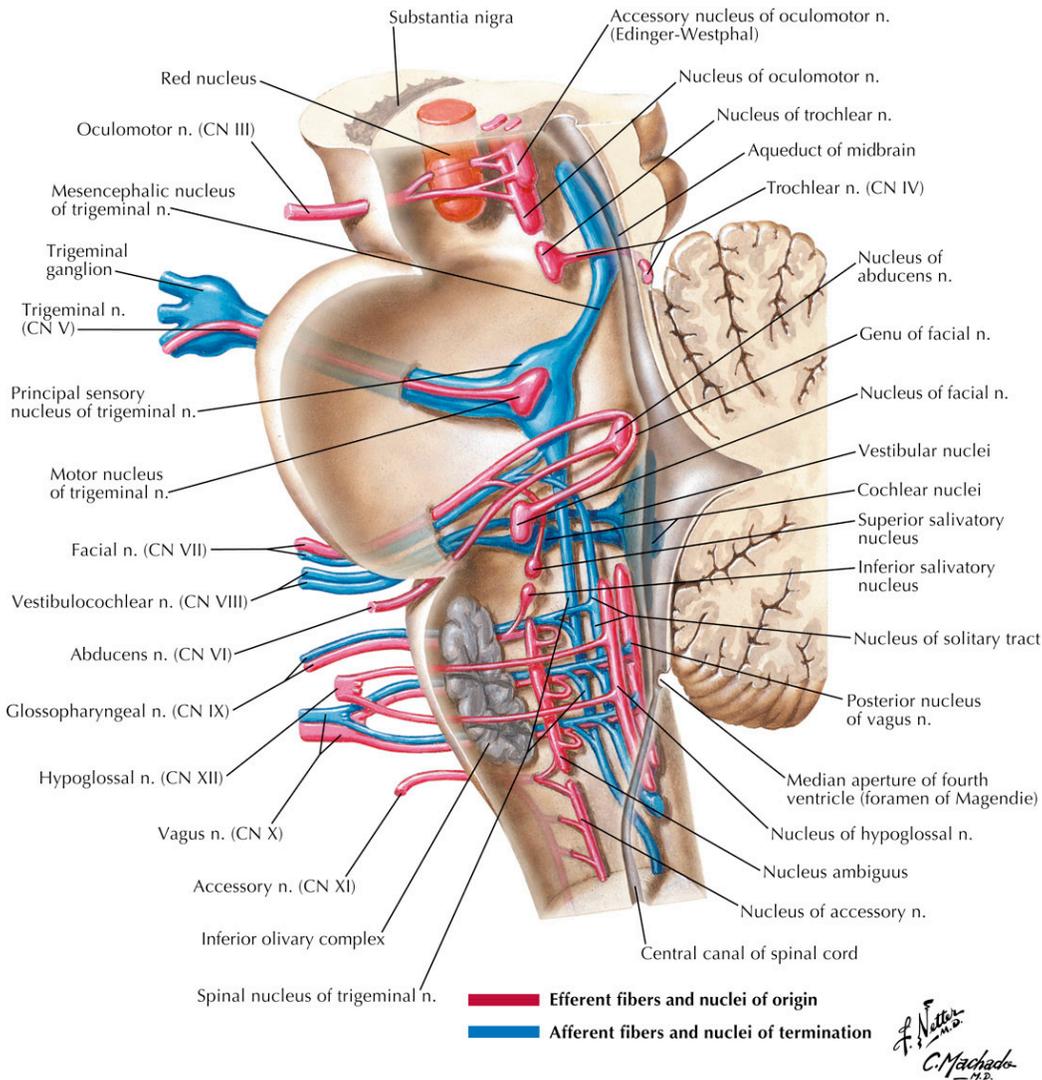


PLATE S-55 Cranial Nerve Nuclei in Brain Stem: Schema (continued)

Plate S-56. Olfactory Nerve (CN I) and Olfactory Pathways: Schema

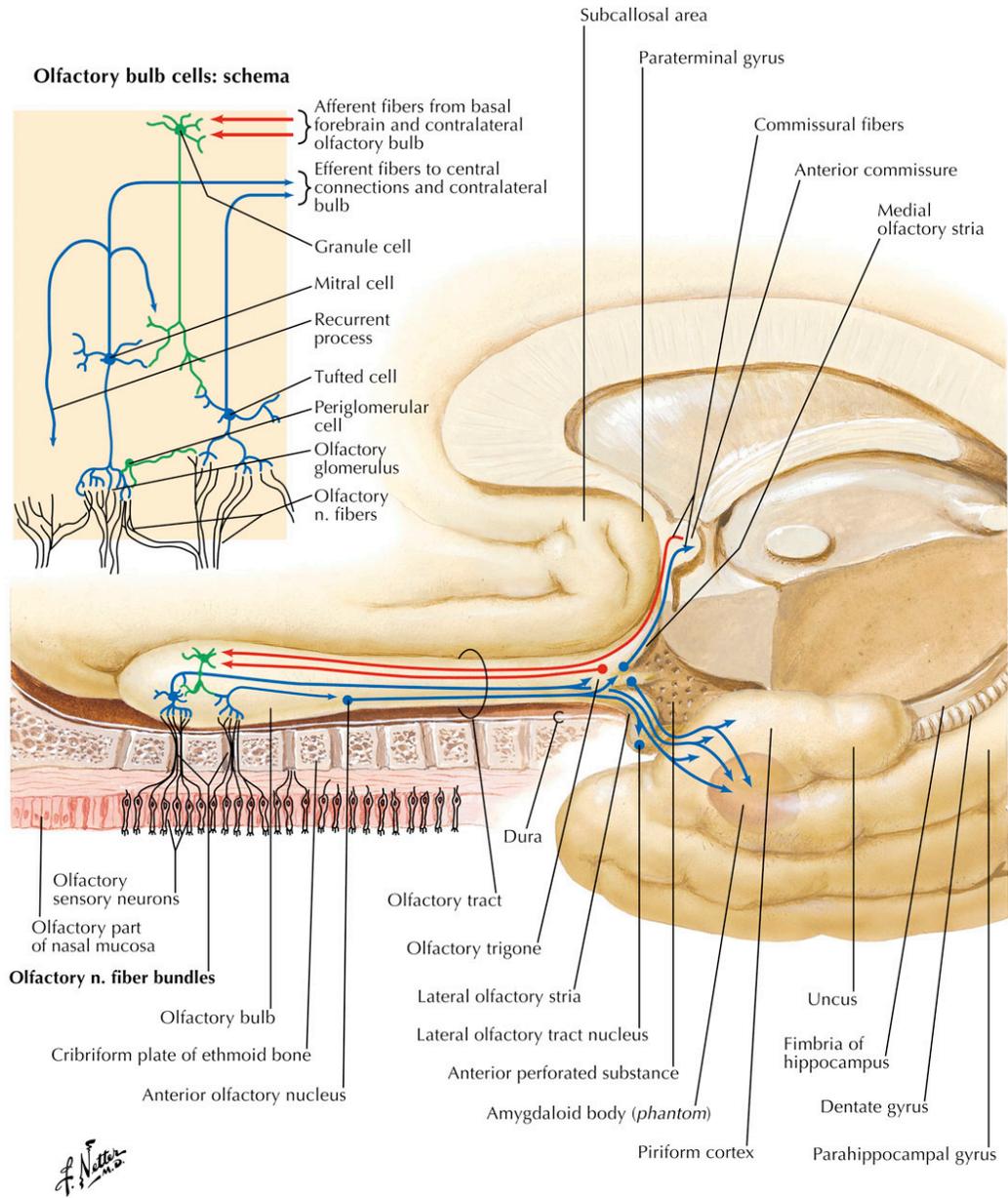
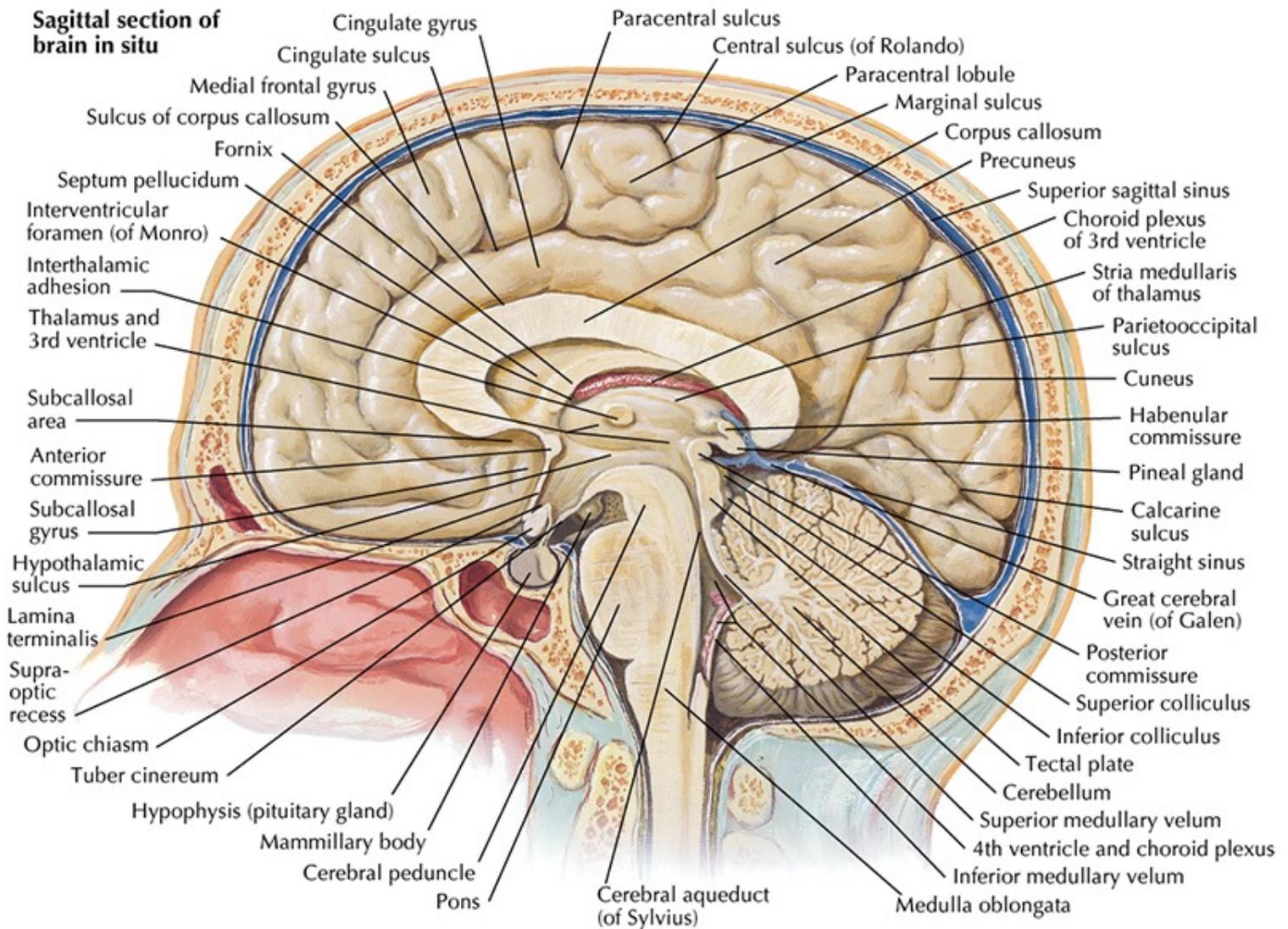


PLATE S-56 Olfactory Nerve (CN I) and Olfactory Pathways: Schema

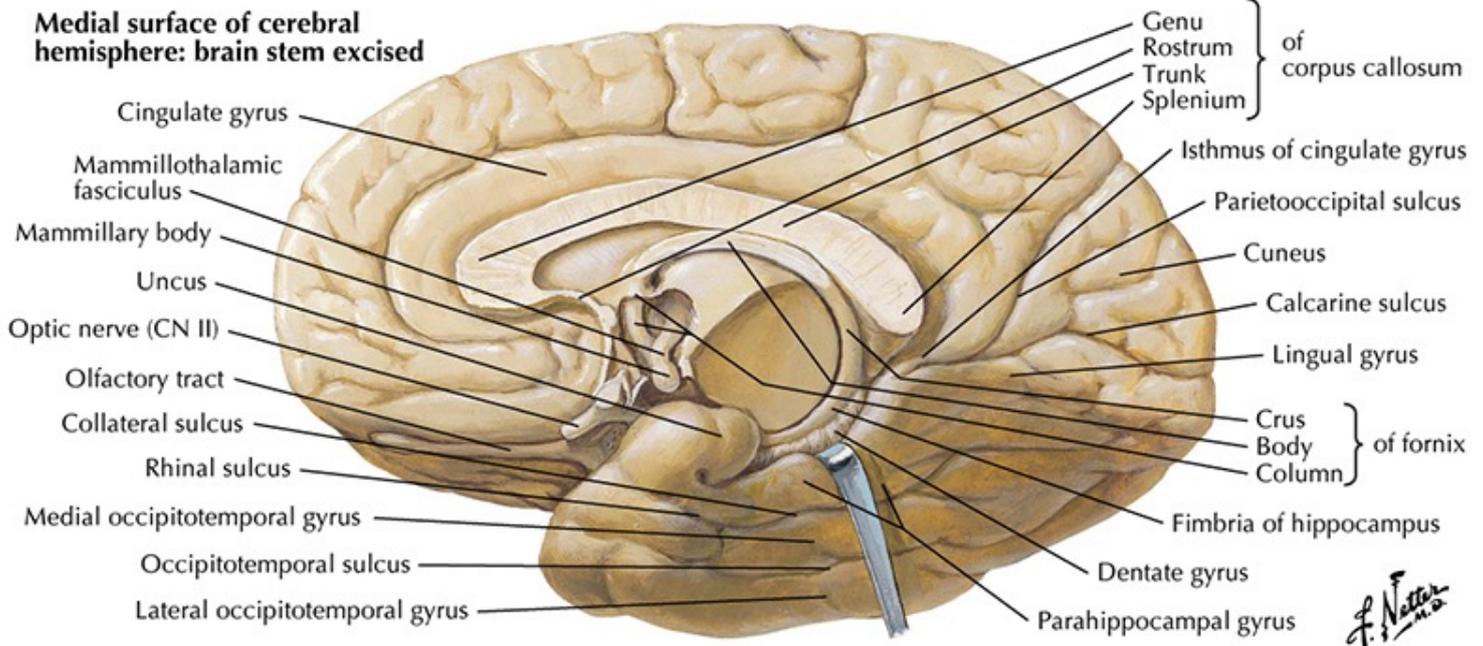
See also [Plate S-364](#)

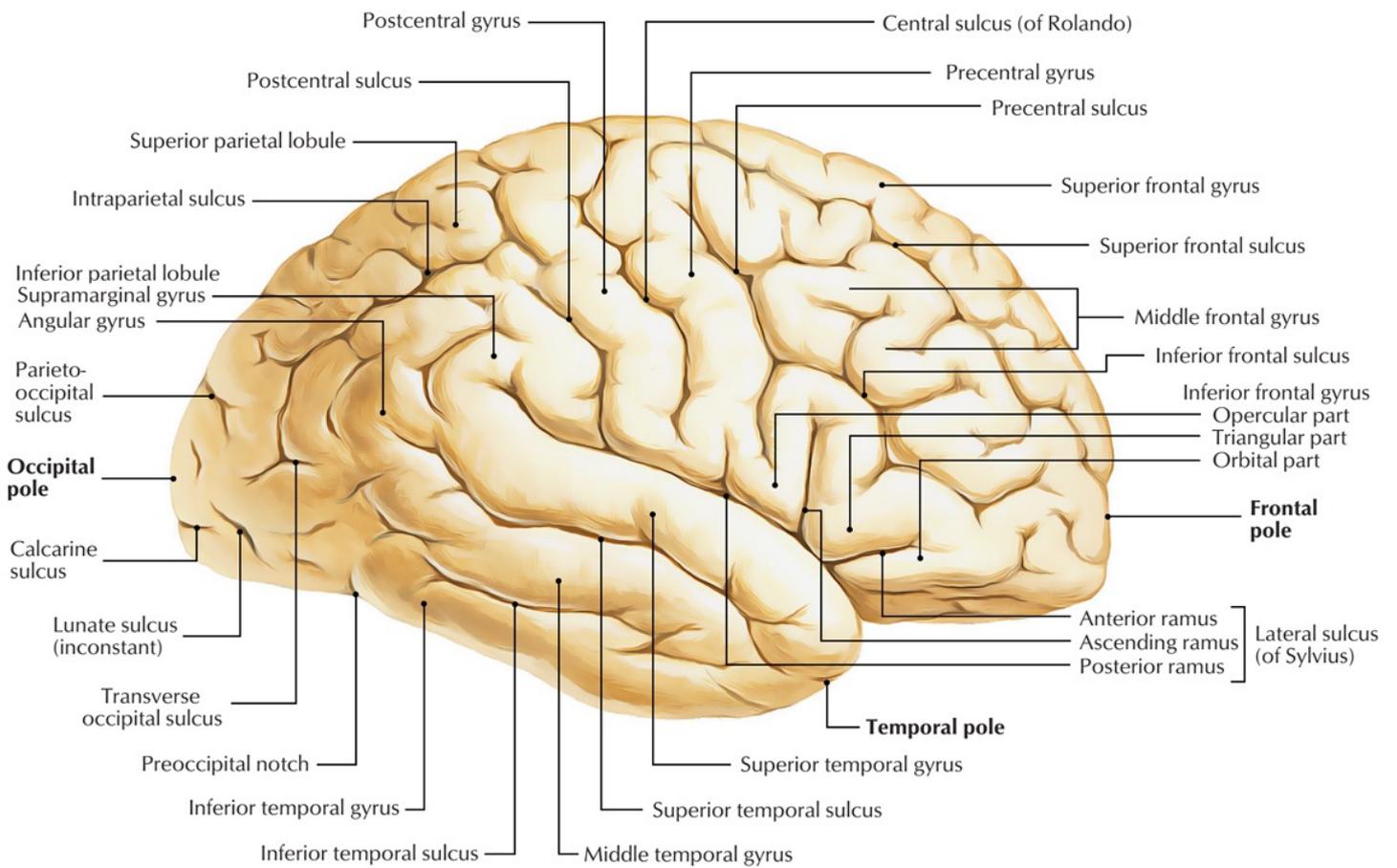
Plate S-57. Optic Nerve (CN II) and Visual Pathway: Schema

Sagittal section of brain in situ

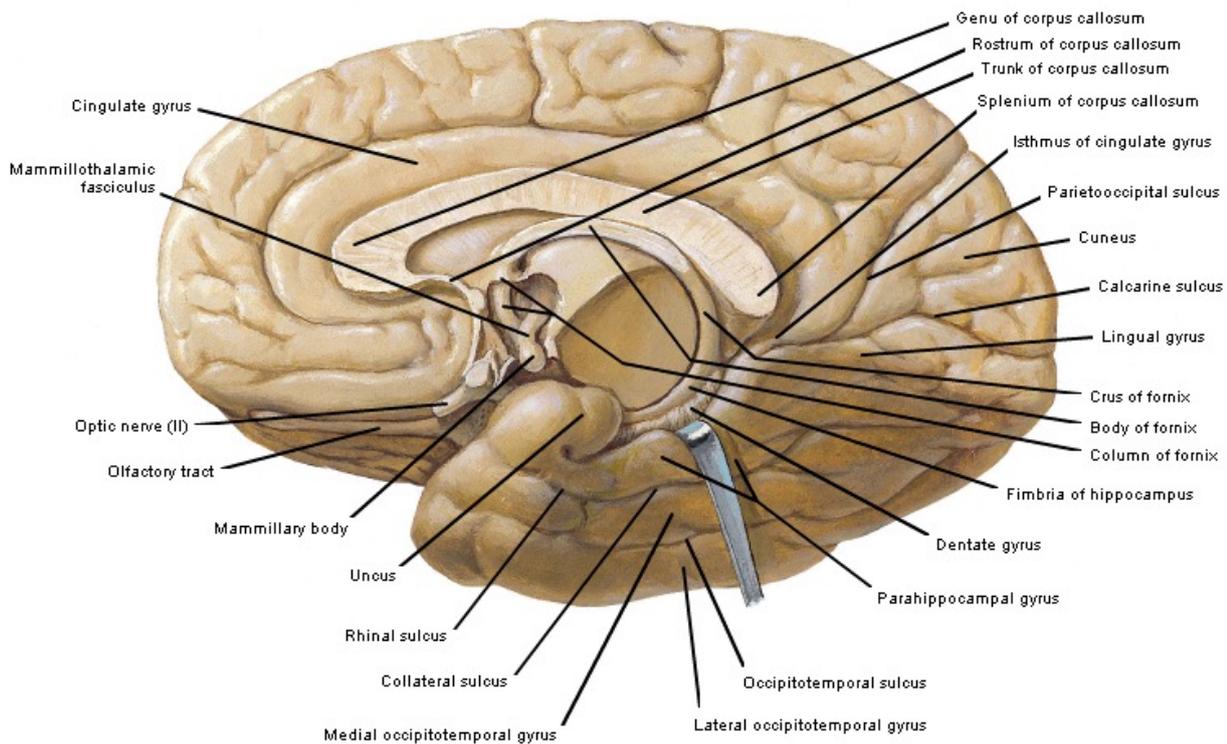


Medial surface of cerebral hemisphere: brain stem excised





Cerebrum - Hemisphere with Brainstem Excised Medial View



(B)

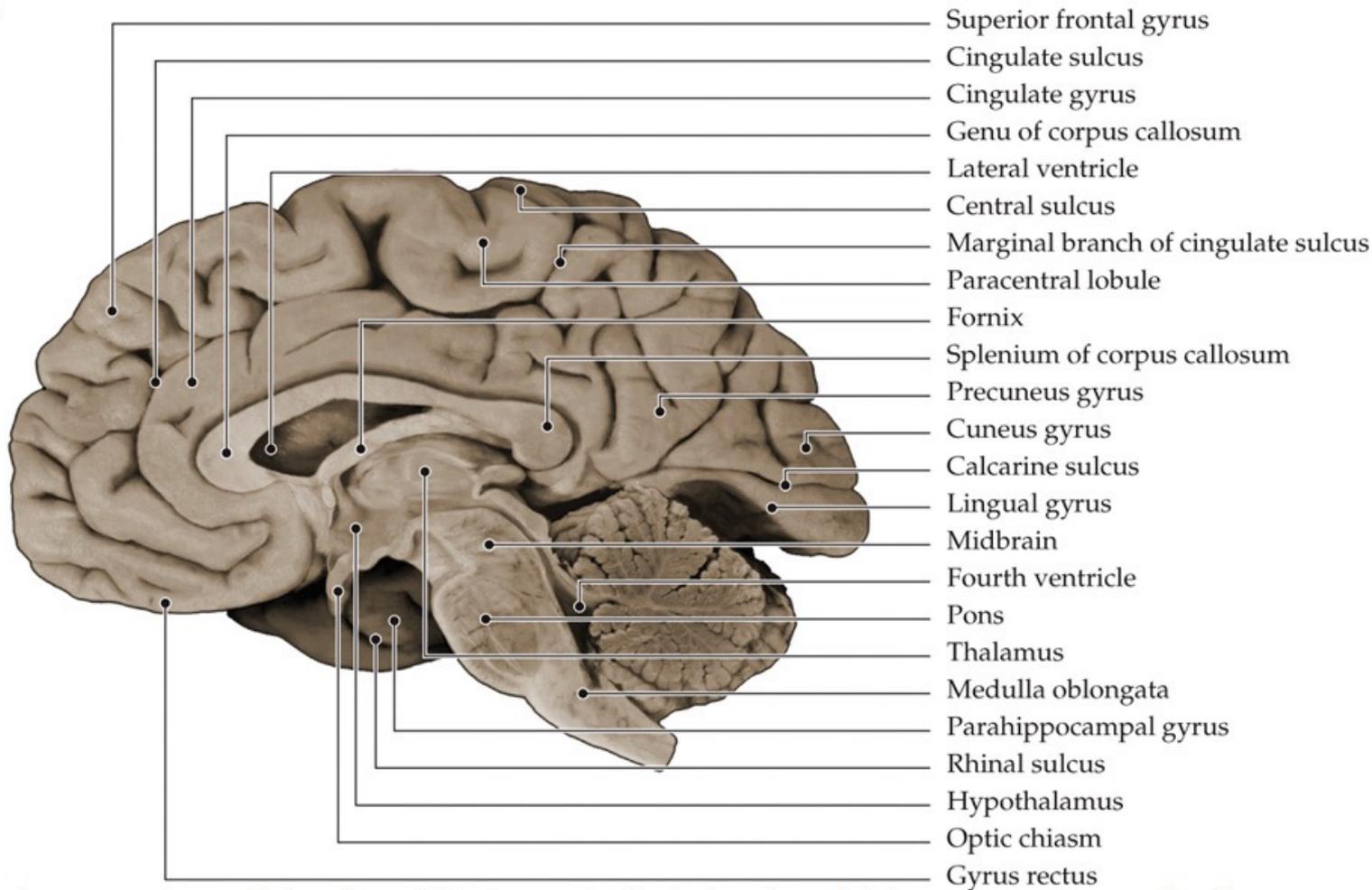
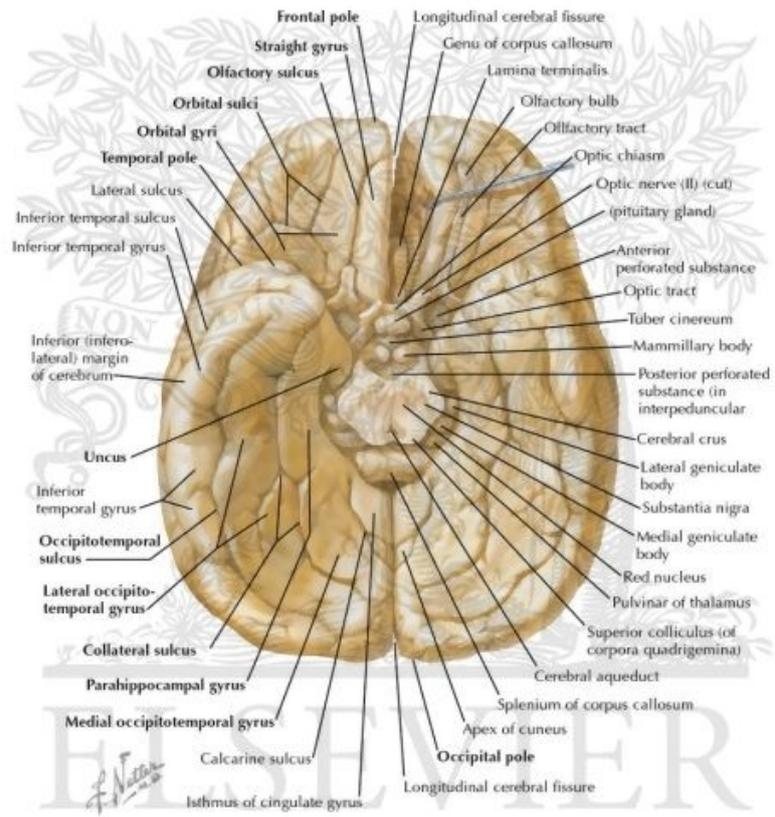
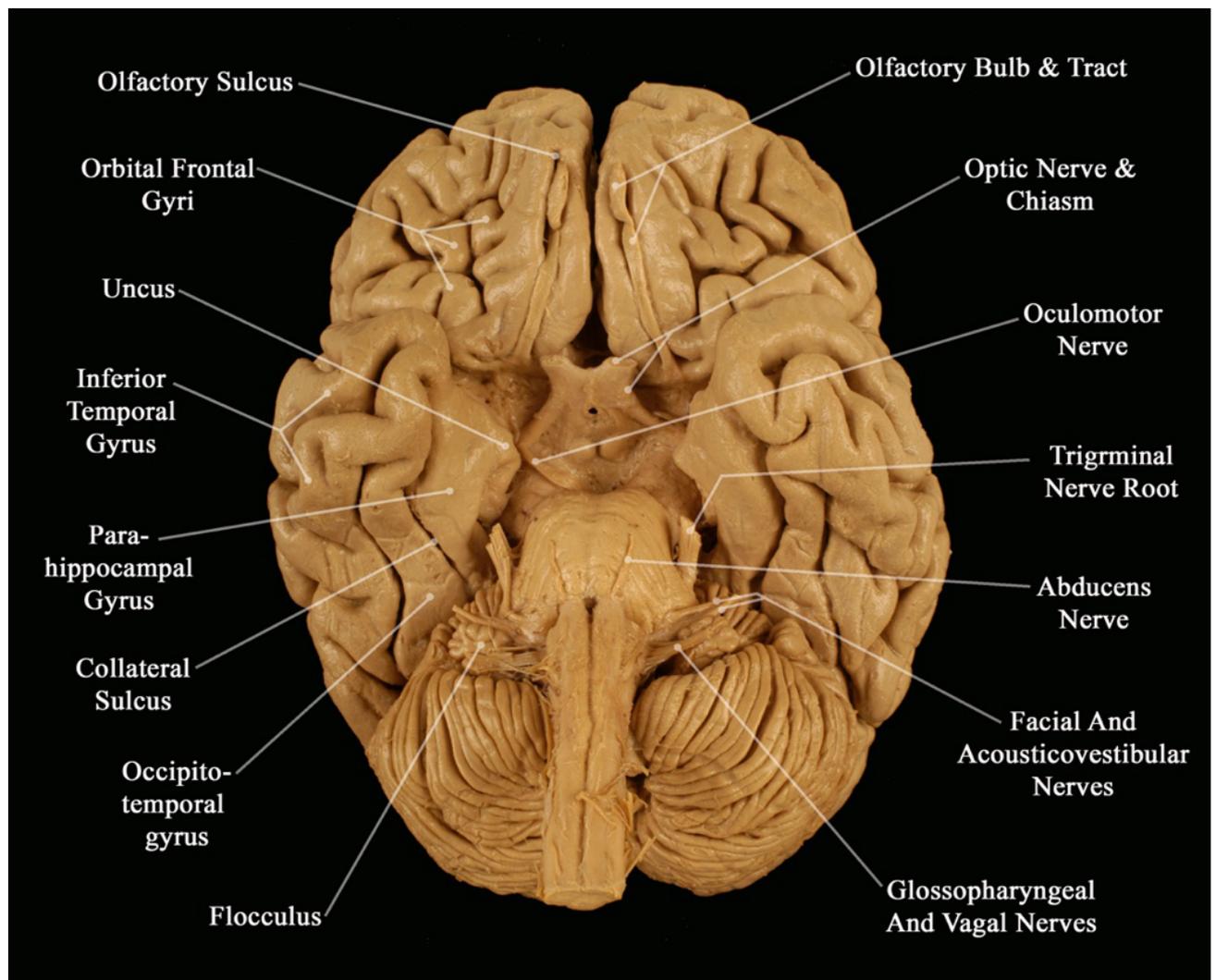
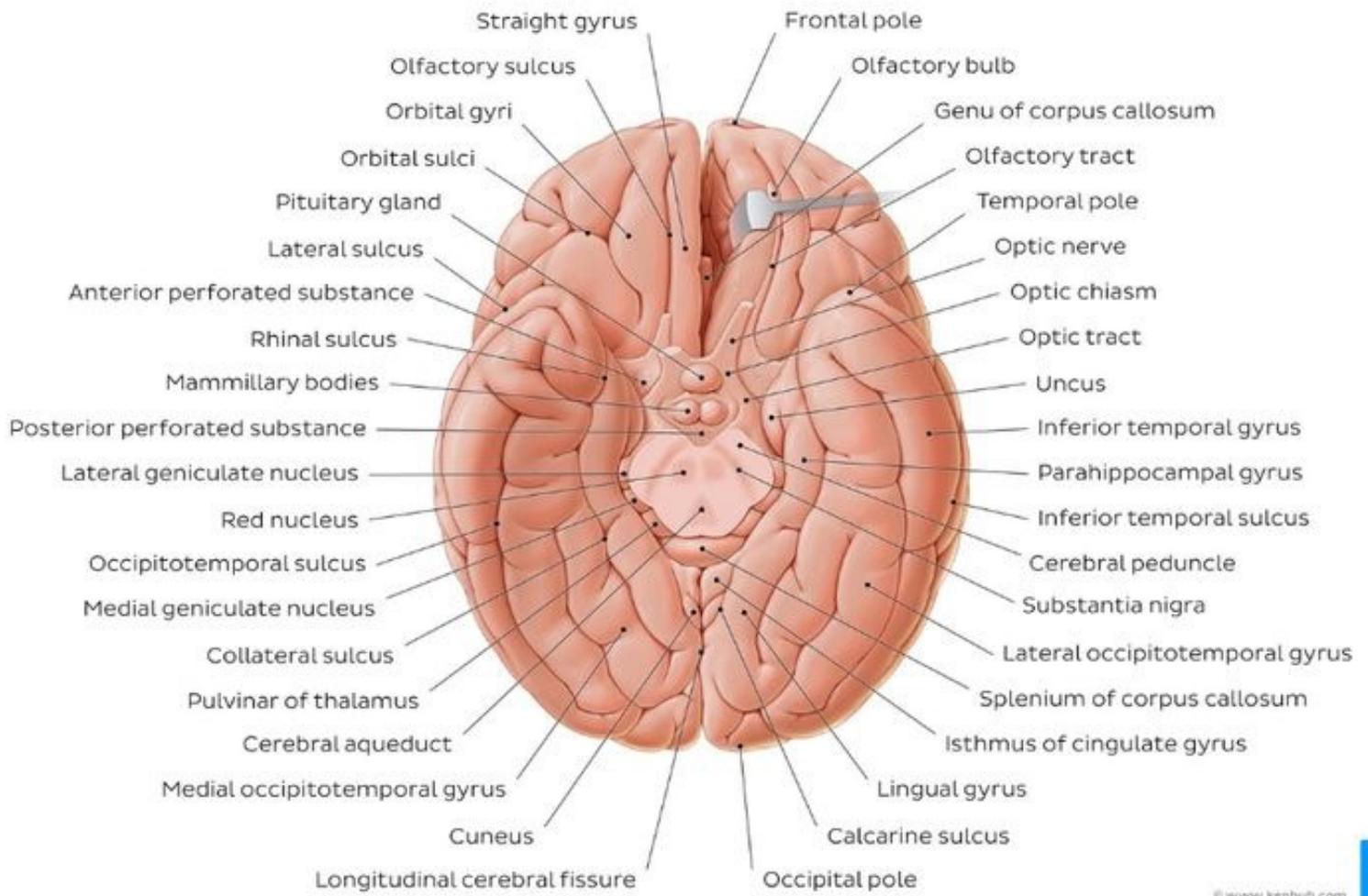
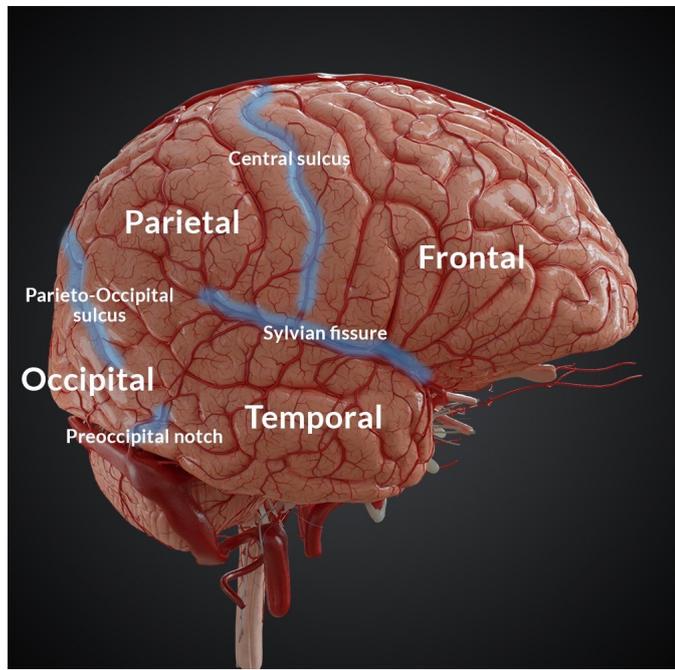
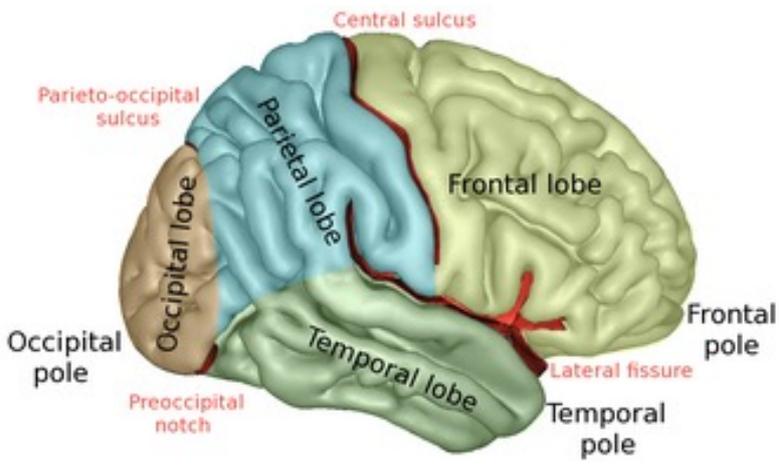


Figure 2.2. The medial surface of the human brain. (Atlas Plate 1(2) from *Neuroscience, 6th Ed.*)







A lateral view of the brain showing the lobes of the cerebral cortex in the left cerebral hemisphere

The lobes of the cerebral cortex in the left cerebral hemisphere, shown in lateral view

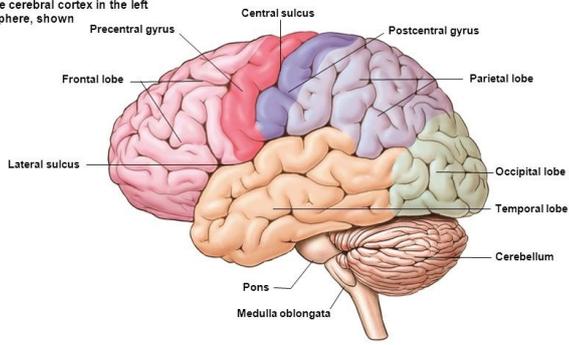
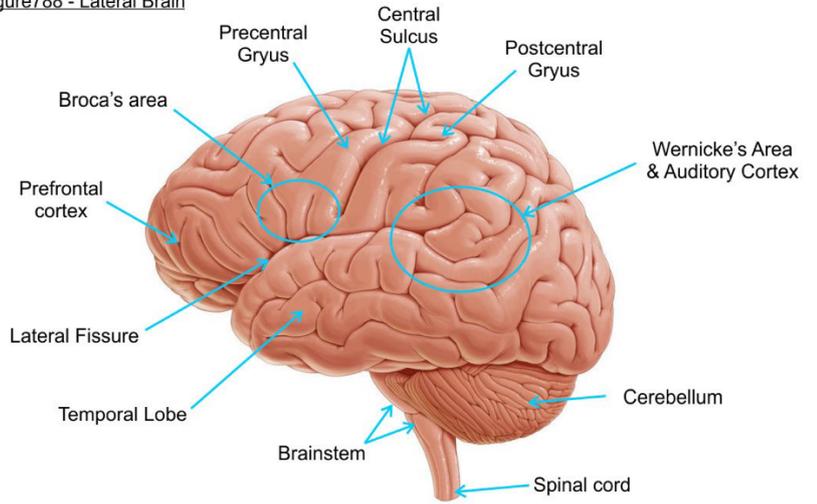


Figure 13.9

Figure 788 - Lateral Brain



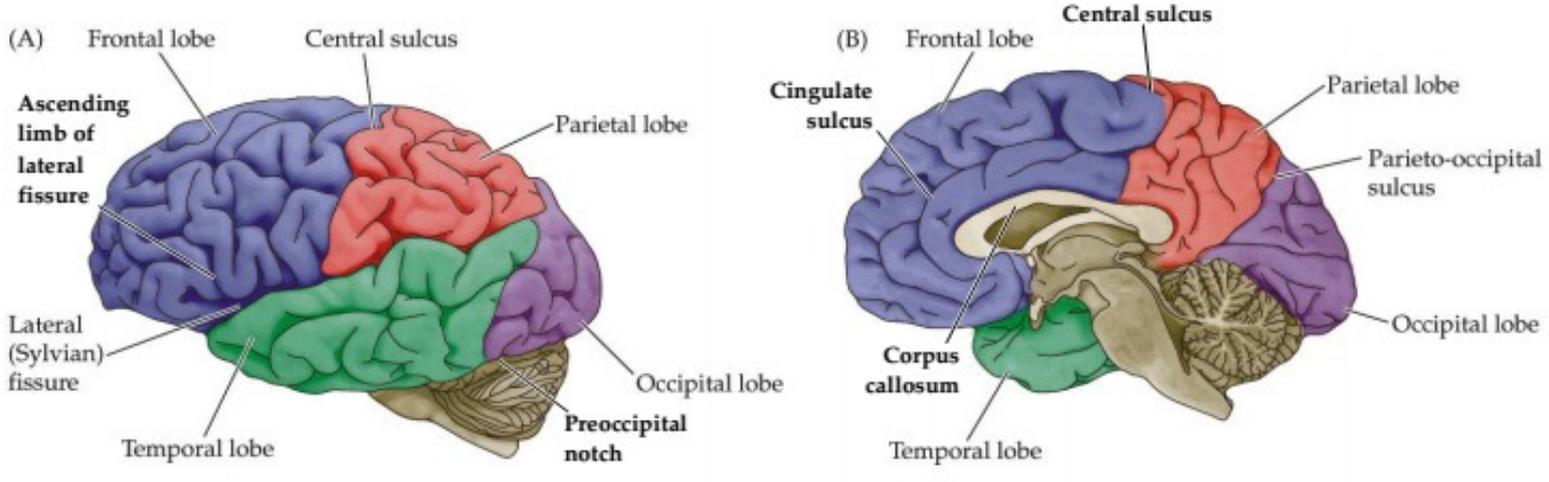
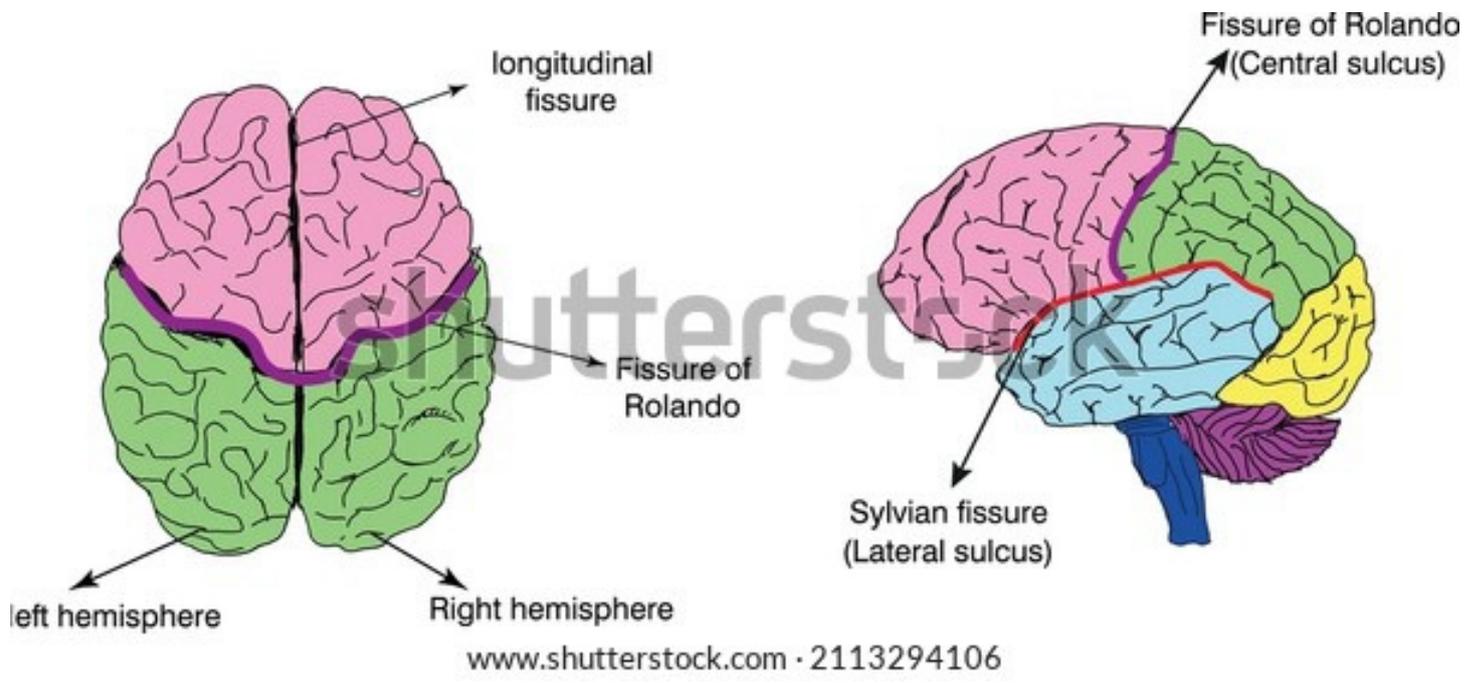
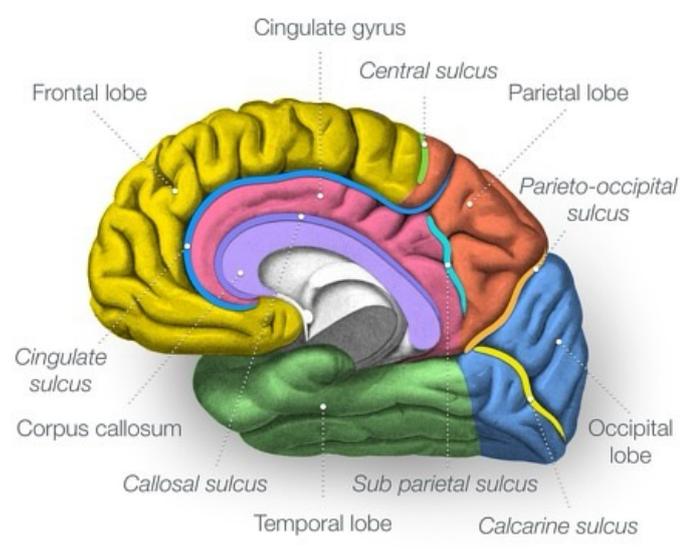
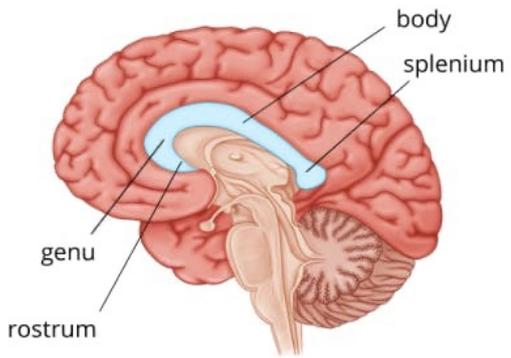
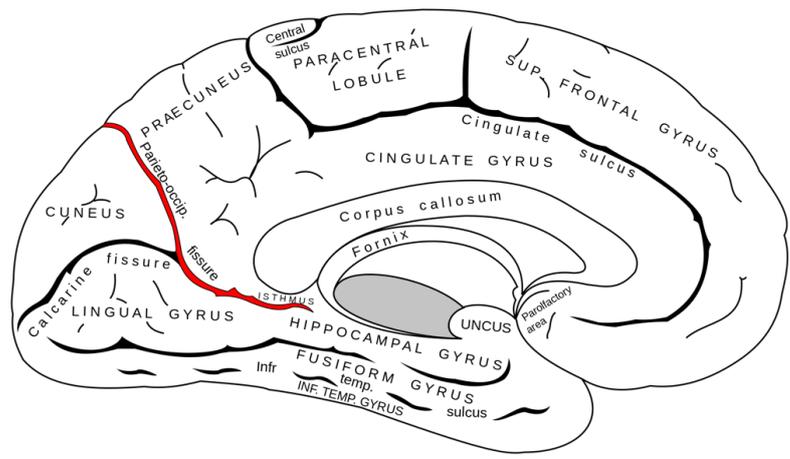


Figure 1.4. Lateral and midsagittal views of the human brain, emphasizing the division of the cerebral cortex into four lobes (identified with color). (adapted from Figure A3 from *Neuroscience*, 5th Ed.)



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Adapted from illustration from "Sobotta's Textbook and Atlas of Human Anatomy" 1908, now in the public domain.

