

Universitatea de Stat de Medicină și Farmacie  
"Nicolae Testemițanu"

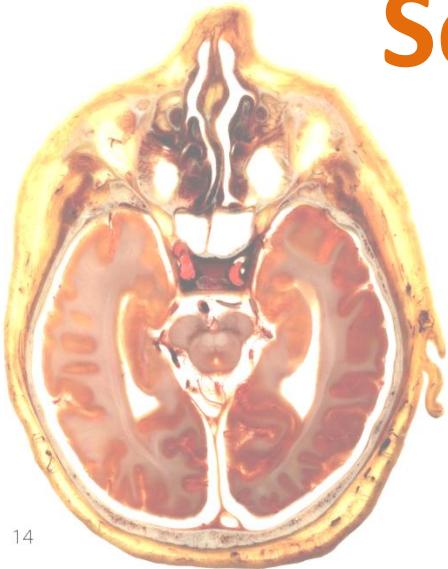
Catedra de Anatomie a omului

# ANATOMIE SECȚIONALĂ

5

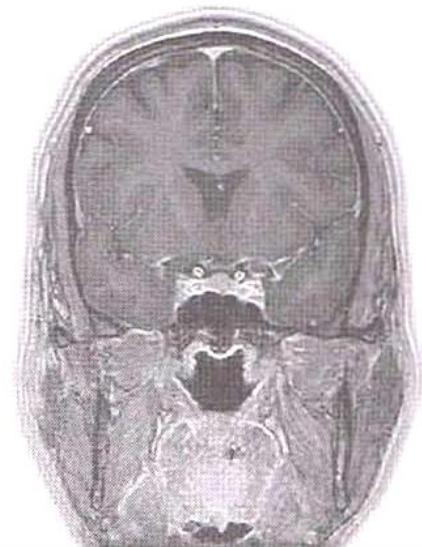
3

Sectional Anatomy



14

Lecturer Lilian Globa





**CD 8.5.1 CURRICULUM DISCIPLINĂ  
PENTRU STUDII UNIVERSITARE**

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Pag.	1/10

**FACULTATEA DE MEDICINĂ  
PROGRAMĂ DE STUDII 0912.1 MEDICINĂ  
CATEDRA DE ANATOMIE A OMULUI**

**APROBATĂ**

la ședința Comisiei de asigurare a calității și  
evaluării curriculare facultățea Medicină  
Proces verbal Nr.2 din 5.11.2019  
Președinte  
conf.univ., dr. hab. șt. med.

Suman Serghei

**APROBATĂ**

la ședința Consiliului Facultății de Medicină nr. 1  
Proces verbal Nr. 2 din 19.11.2019  
Decanul Facultății,  
conf.univ., dr. hab. șt. med.

Plăcintă Gheorghe

**APROBATĂ**

la ședința Catedrei de anatomie a omului  
Proces verbal nr. 15 din 11.06.2019  
Şef catedră, dr. hab. șt. med., prof. univ.

Catereniu Ilia

**CURRICULUM**

**DISCIPLINA *ANATOMIA OMULUI*  
Anatomia secțională**

Studii integrate

Tipul cursului: **Disciplină opțională**

## V. TEMATICA ȘI REPARTIZAREA ORIENTATIVĂ A ORELOR

Nr. d/o	TEMA	Numărul de ore		
		Curs	Lurcări practice	Lucru individual
1.	Anatomia secțională. Definiție. Procedee de obținere a imaginilor anatomicice și mediate paraclinic (RMN, TC, USG) Scurt istoric al evoluției cunoștințelor privind anatomia secțională. Planuri secționale.	1	1	1
2.	Anatomia secțională a membrului superior	1	1	1
3.	Anatomia secțională a membrului inferior	1	1	1
4.	Anatomia secțională a toracelui	1	1	1
5.	Anatomia secțională a abdomenului	1	1	1
6.	Anatomia secțională a bazinului	1	1	1
7.	Anatomia secțională a capului și gâtului	2	2	2
8.	Anatomia secțională a sistemului nervos	2	2	2
<b>Total</b>		<b>10</b>	<b>10</b>	<b>10</b>
<b>TOTAL</b>				<b>30</b>

## X. BILIOGRAFIE RECOMANDATĂ

### A. *Obligatorie:*

Materialele cursurilor.

### B. *Suplimentară:*

1. Visible human project,  
[https://www.nlm.nih.gov/research/visible/visible\\_gallery.html](https://www.nlm.nih.gov/research/visible/visible_gallery.html)
2. Online MRI and CT sectonalanatomy, <https://omcsa.org/>
3. MRI masters, <https://mrимaster.com/anatomy%20brain%20sagittal.html>
4. Cross sectional Anatomy, <https://www.sciencedirect.com/topics/medicine-and-dentistry/cross-sectional-anatomy>
5. <https://www.kenhub.com/en/start/cross-sections>
6. Atlas of sectional Anatomy, Thieme, all systems
7. Human Sectional Anatomy: Pocket atlas of body sections, CT and MRI images, Fourth edition, 2017
8. Keith L. Moore, Artur F. Dalley, Anne M.R. Agur. Clinically Oriented Anatomy, 6-th ed., 2007.



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## Visible Human Project

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# Visible Human Project® Gallery

The collection of images appearing here is a small sample of images from the Visible Human Project® male dataset. For a larger collection of images, employ one of the applications for viewing the [Visible Human](#) dataset.

The Visible Human datasets are divided into six slightly overlapping subsets entitled Head, Thorax, Abdomen, Pelvis, Thighs, and Feet.

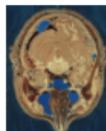
- [From head to toe: an animated trip through the Visible Human male cryosections \[Video: color MPEG, 770810 bytes\]](#)
  - The video is 17 seconds long, but it does not include any audio or captioning. It is an animation of head-to-toe images from the male cryosections. The video was created by the Human-Computer Interaction Lab at the University of Maryland at College Park.
- [Color Cryosections](#)
- [Computed Tomography \(CT\) scans:](#)
  - [Fresh cadaver](#)
  - [Frozen cadaver](#)
- [Magnetic Resonance Imaging \(MRI\) scans](#)

Last Reviewed: August 14, 2015

Home > Visible Human Home

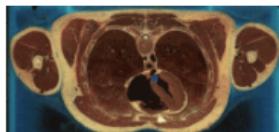
# The Visible Human Project

## Color Cryosections



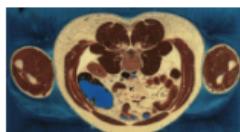
[545x700 24-bit color JPEG, 69069 bytes]

Section through Visible Human Male - head, including cerebellum, cerebral cortex, brainstem, nasal passages (from Head subset)



[836x417 24-bit color JPEG, 66320 bytes]

Section through Visible Human Male - thorax, including heart (with muscular left ventricle), lungs, spinal column, major vessels, musculature (from Thorax subset)



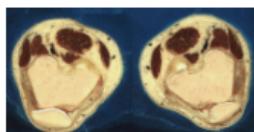
[786x459 24-bit color JPEG, 69920 bytes]

Section through Visible Human Male - abdomen, including large and small intestines, spinal column, musculature, subcutaneous fat (from Abdomen subset)



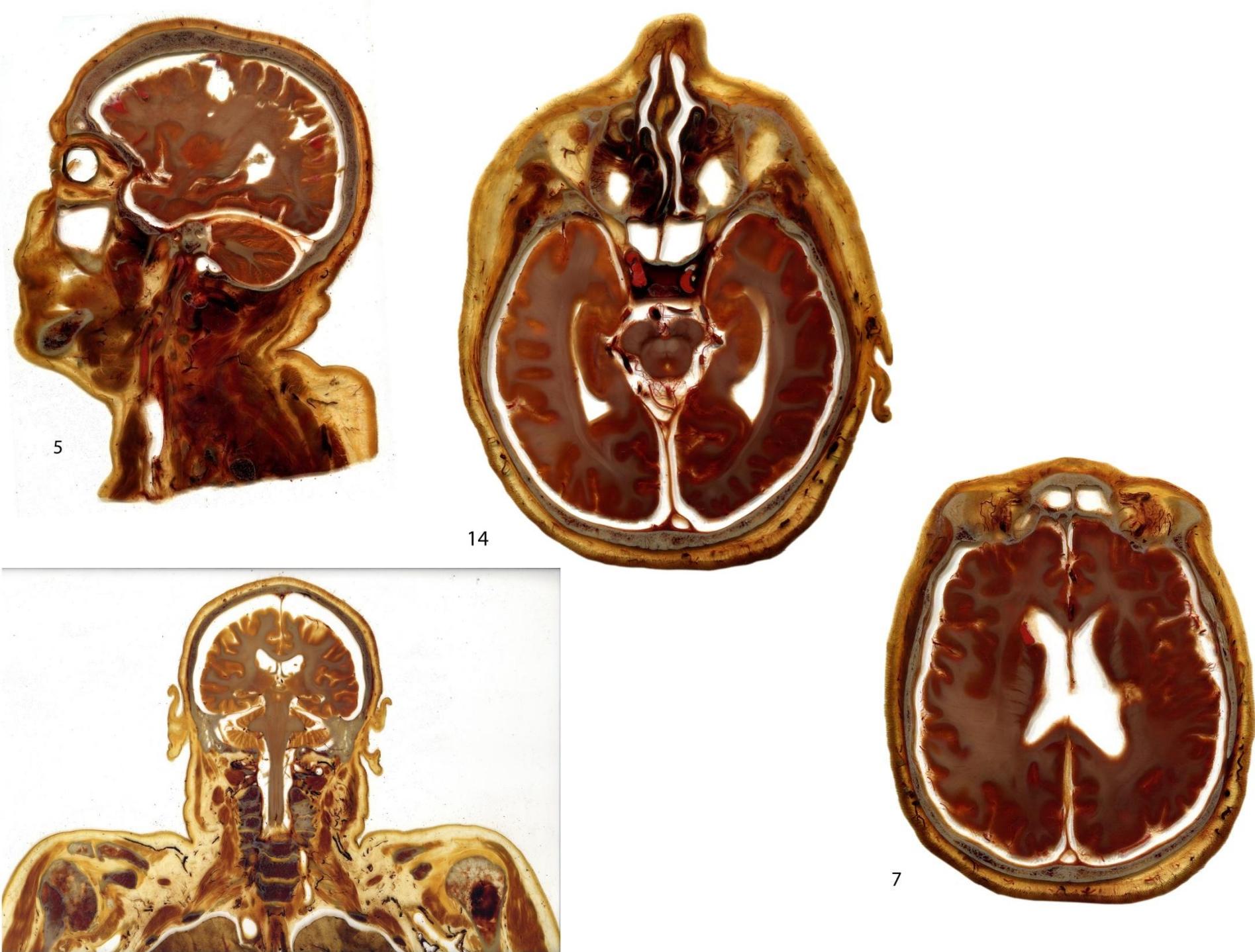
[749x450 24-bit color JPEG, 64159 bytes]

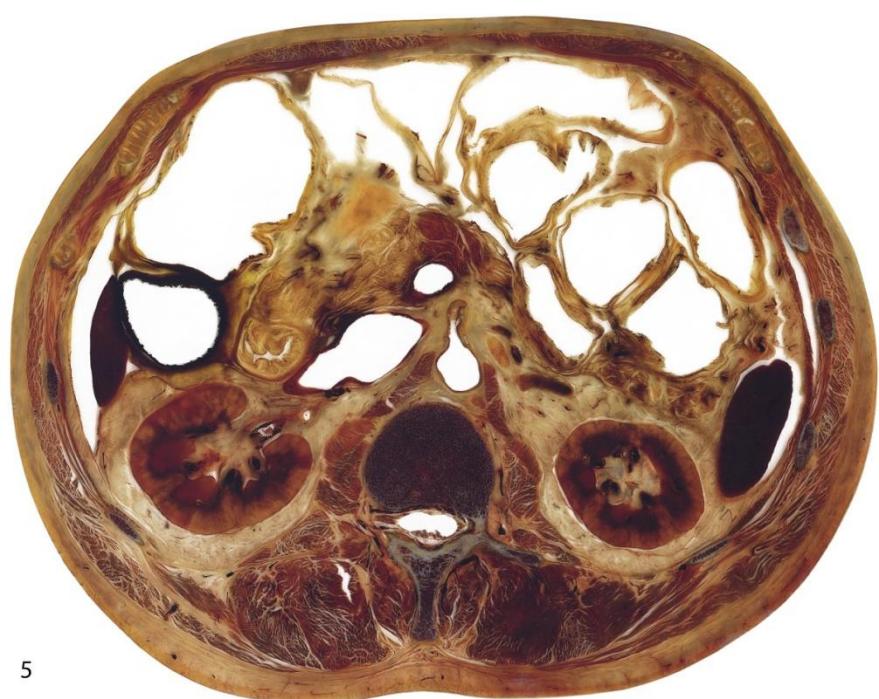
Section through Visible Human Male - upper thigh below femoral head, including prominent musculature, part of male reproductive system (from Pelvis subset)



[730x399 24-bit color JPEG, 51365 bytes]

Section through Visible Human Male - knee, including patella (from Thigh subset)





5



16



3



17

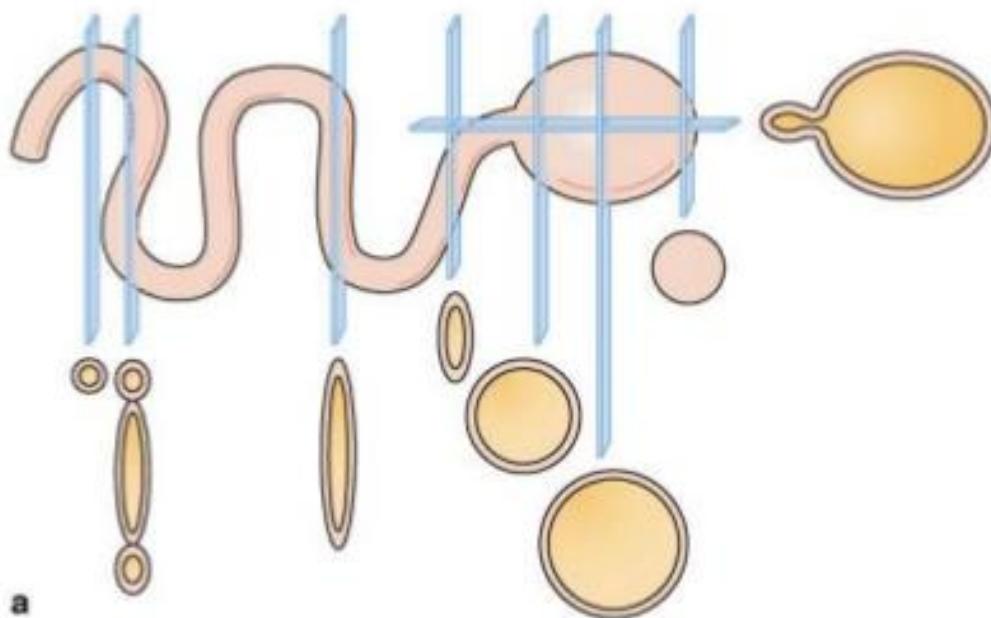
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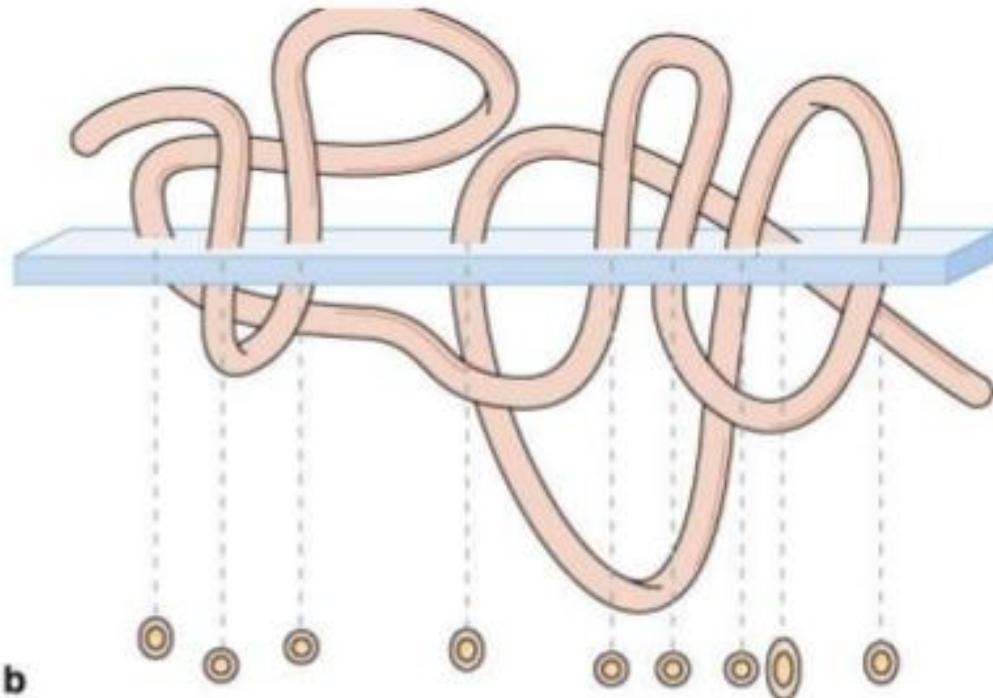
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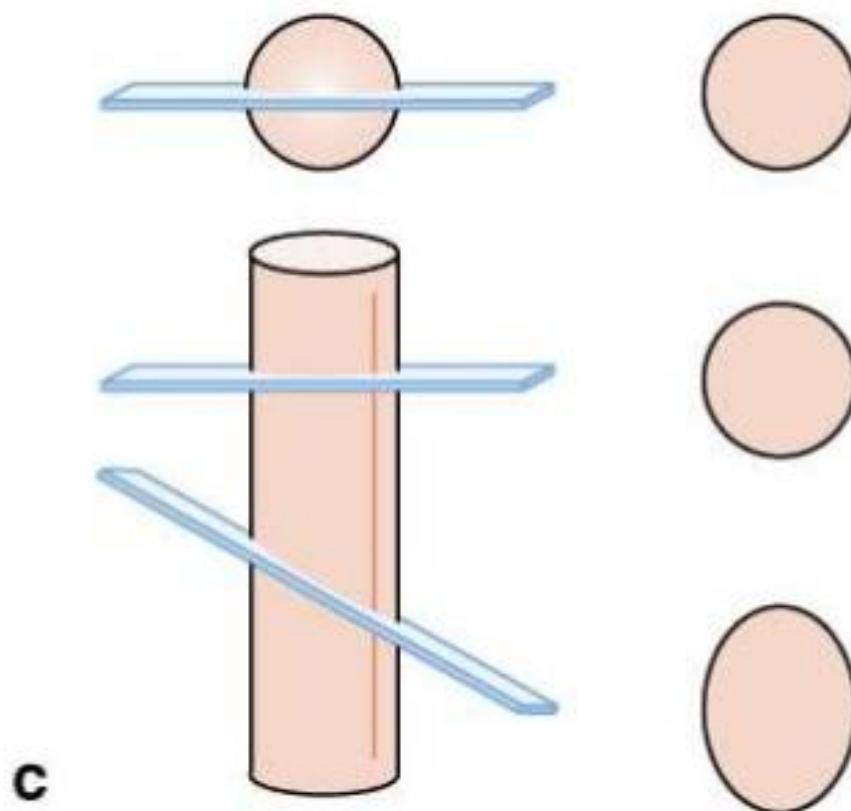
## Interpretation of 3-D structures in 2-D tissue sections.



Sections through a hollow swelling on a tube produce large and small circles, oblique sections through bent regions of the tube produce ovals of various dimensions.

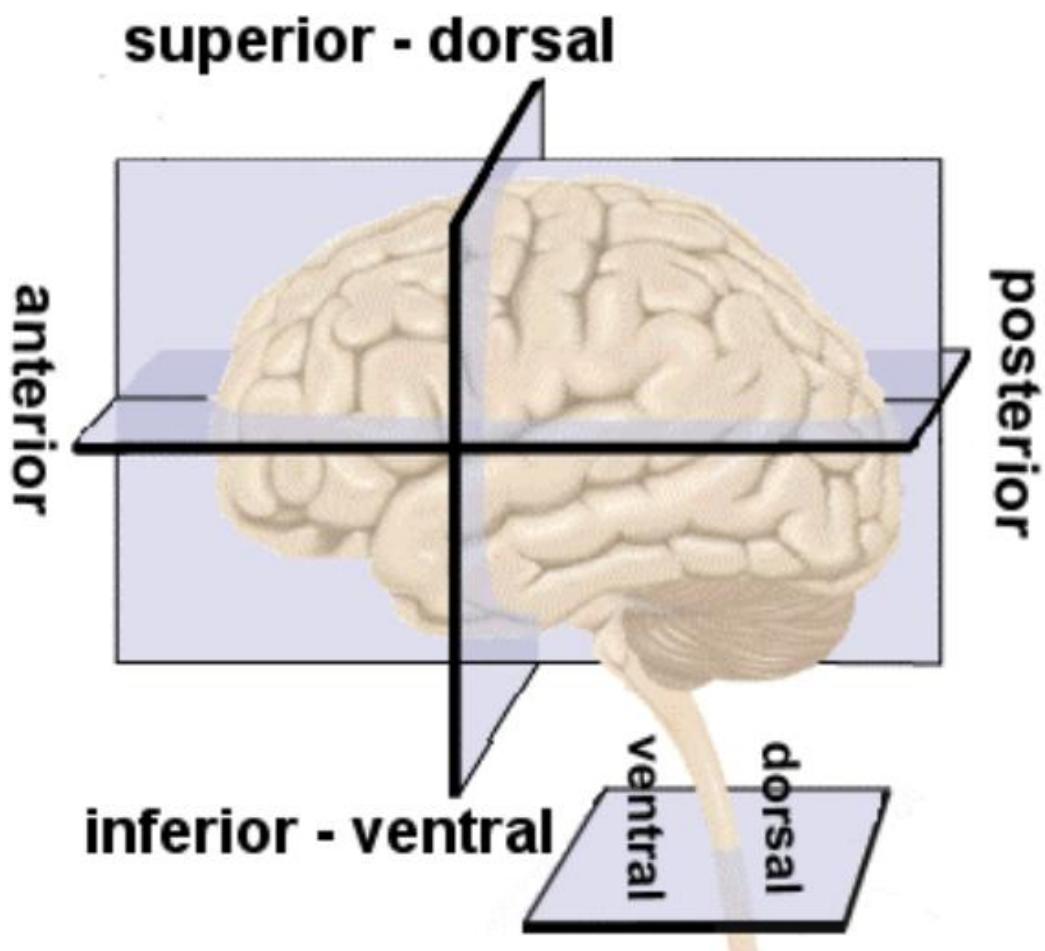


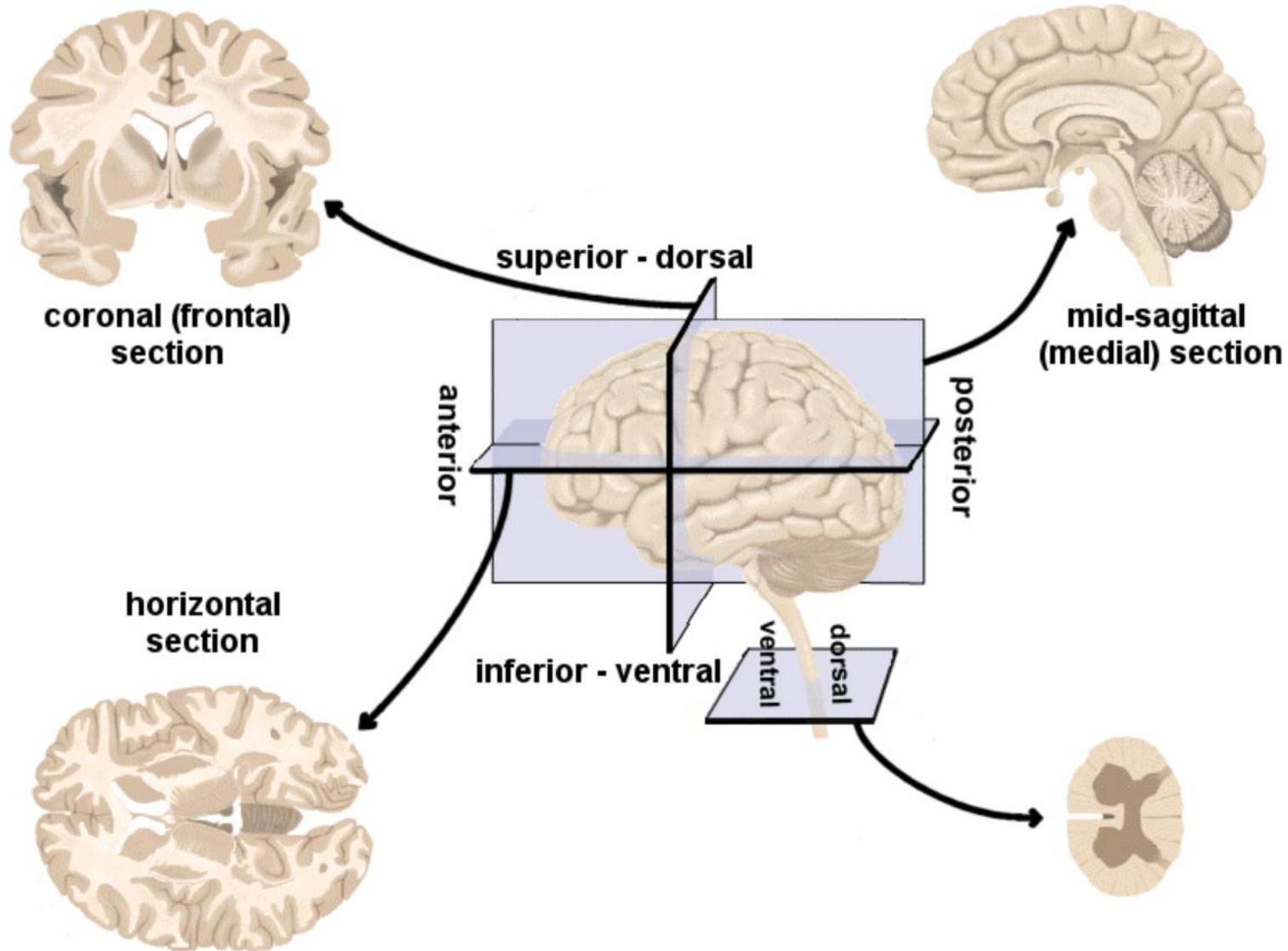
A single section through a highly coiled tube shows many small, separate round or oval sections. On first observation it may be difficult to realize that these represent a coiled tube, but it is important to develop such interpretive skill in understanding histological preparations.

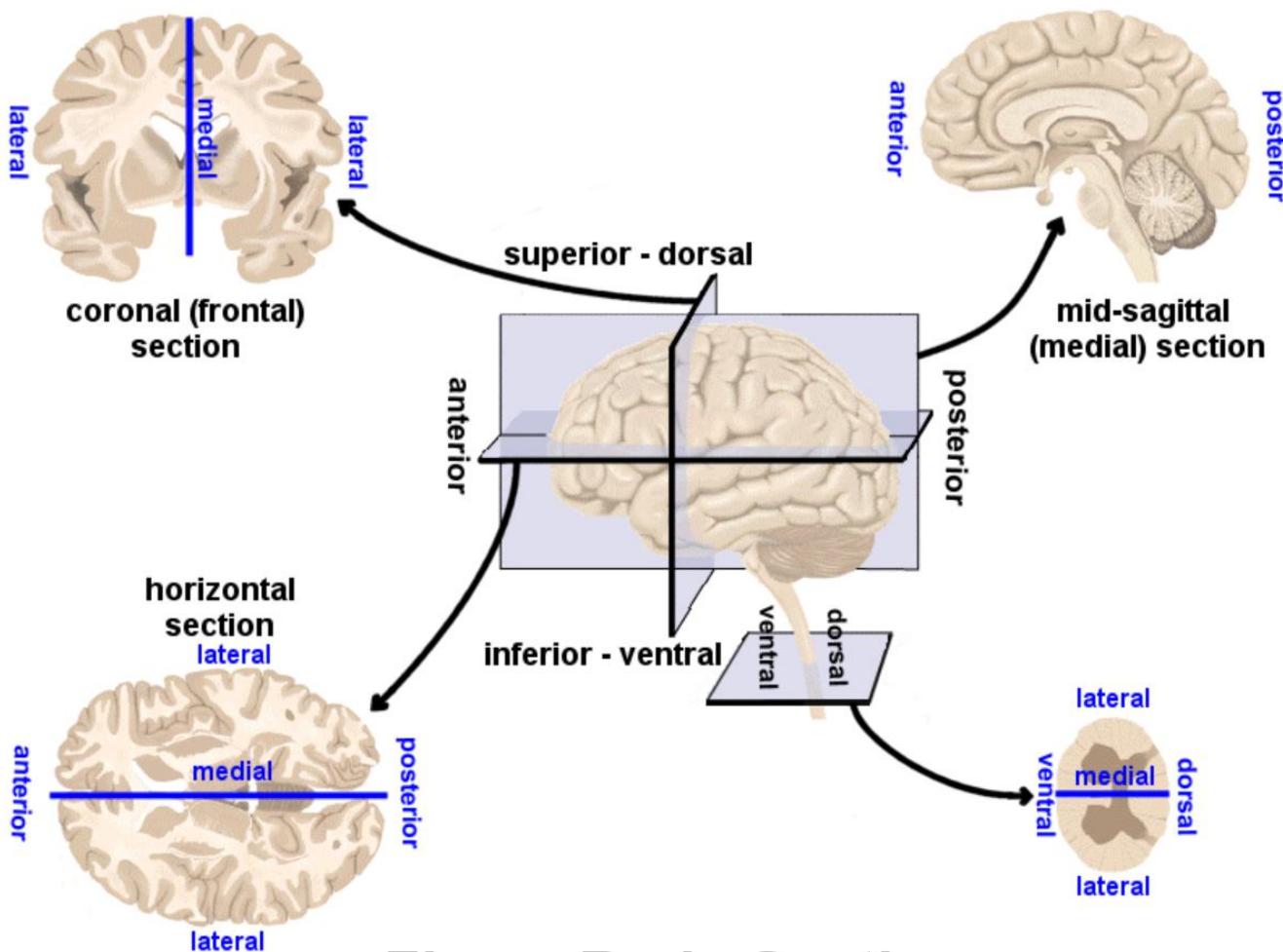


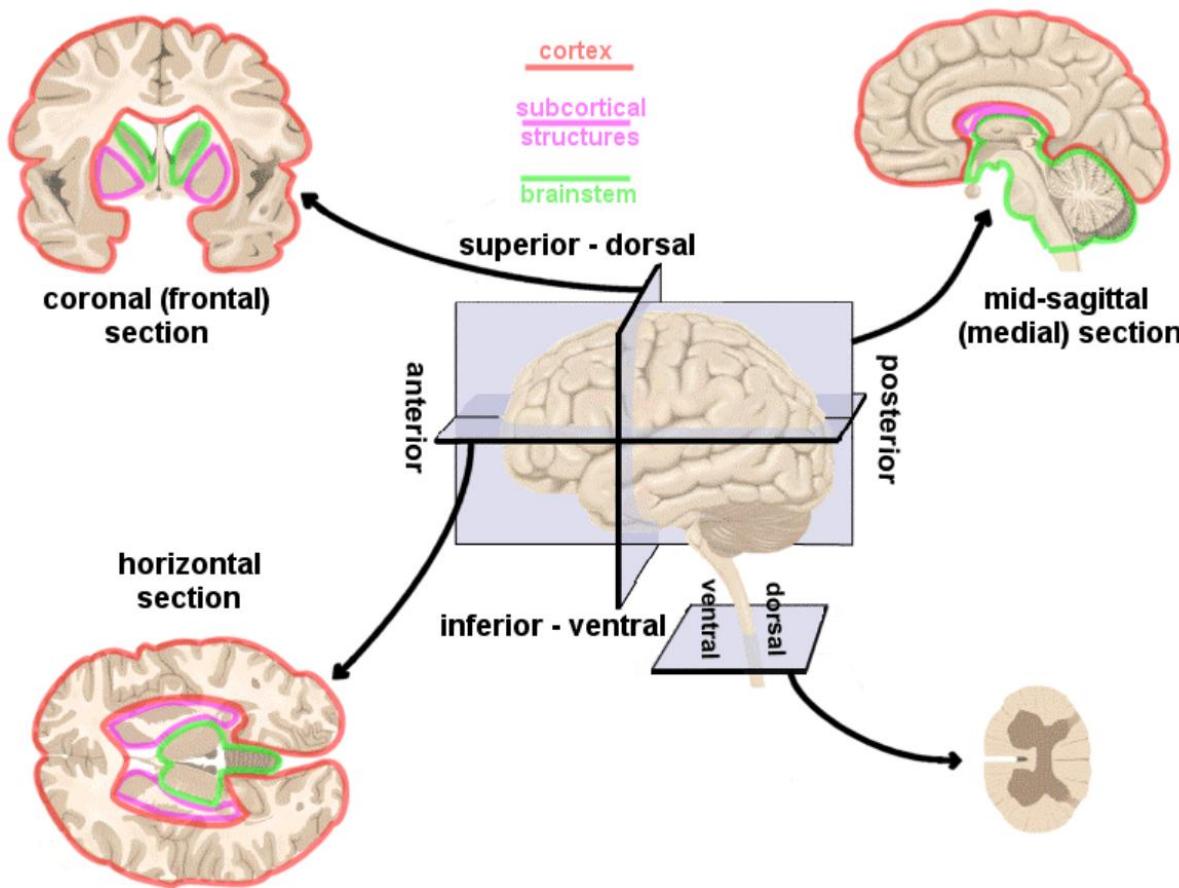
**C**

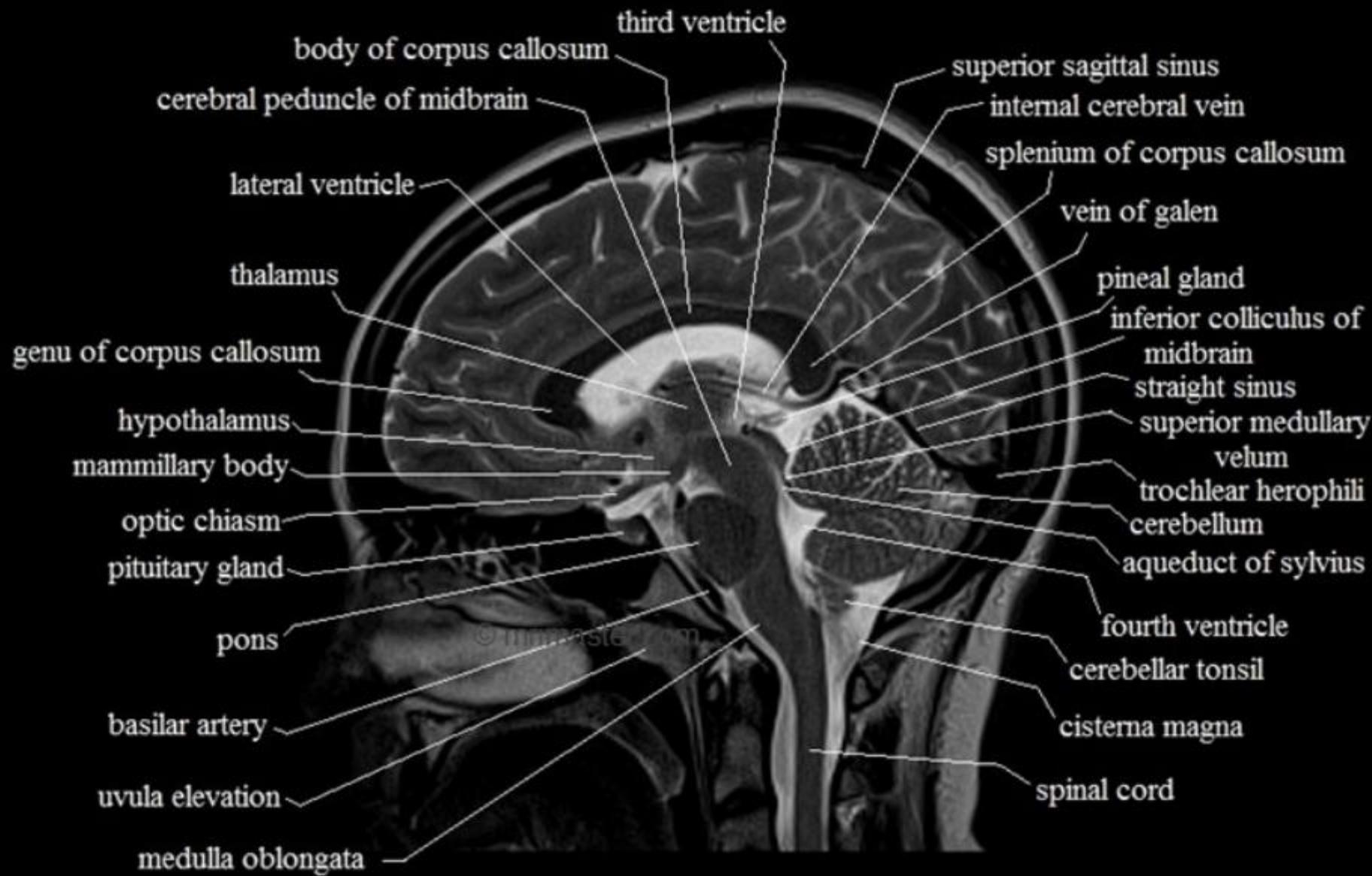
Round structures in sections may be portions of either spheres or cylinders. Additional sections or the appearance of similar nearby structures help reveal a more complete picture.

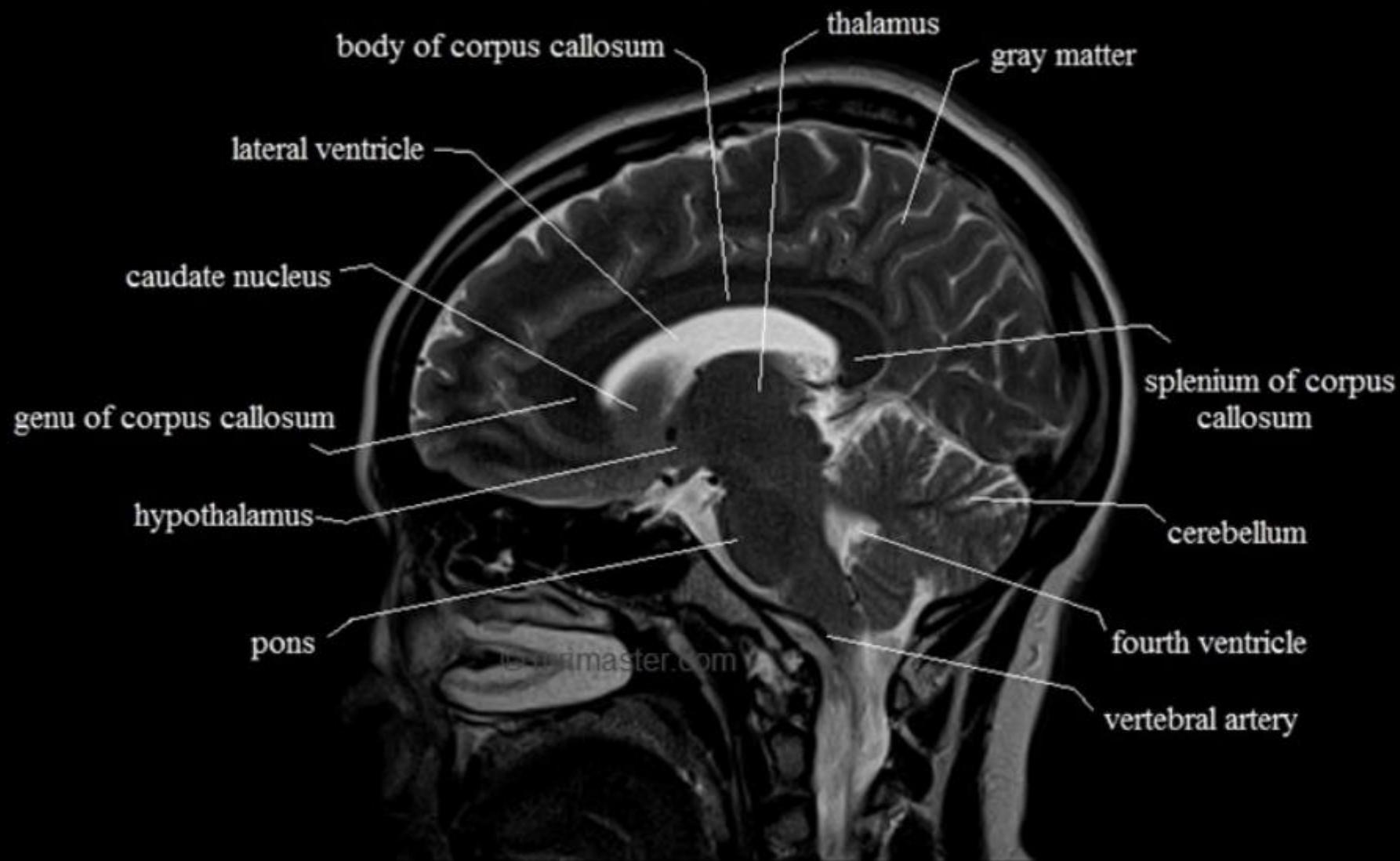


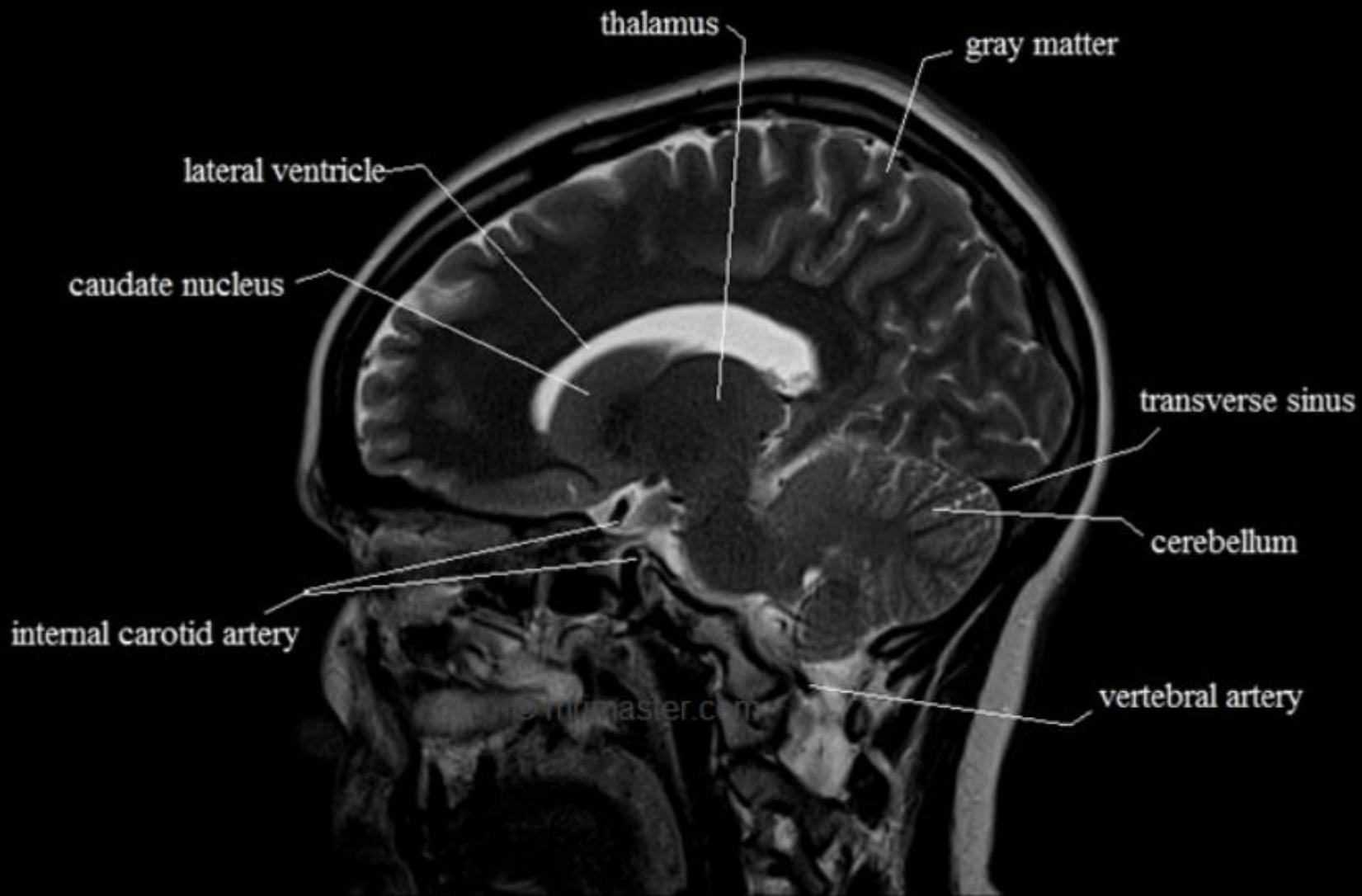


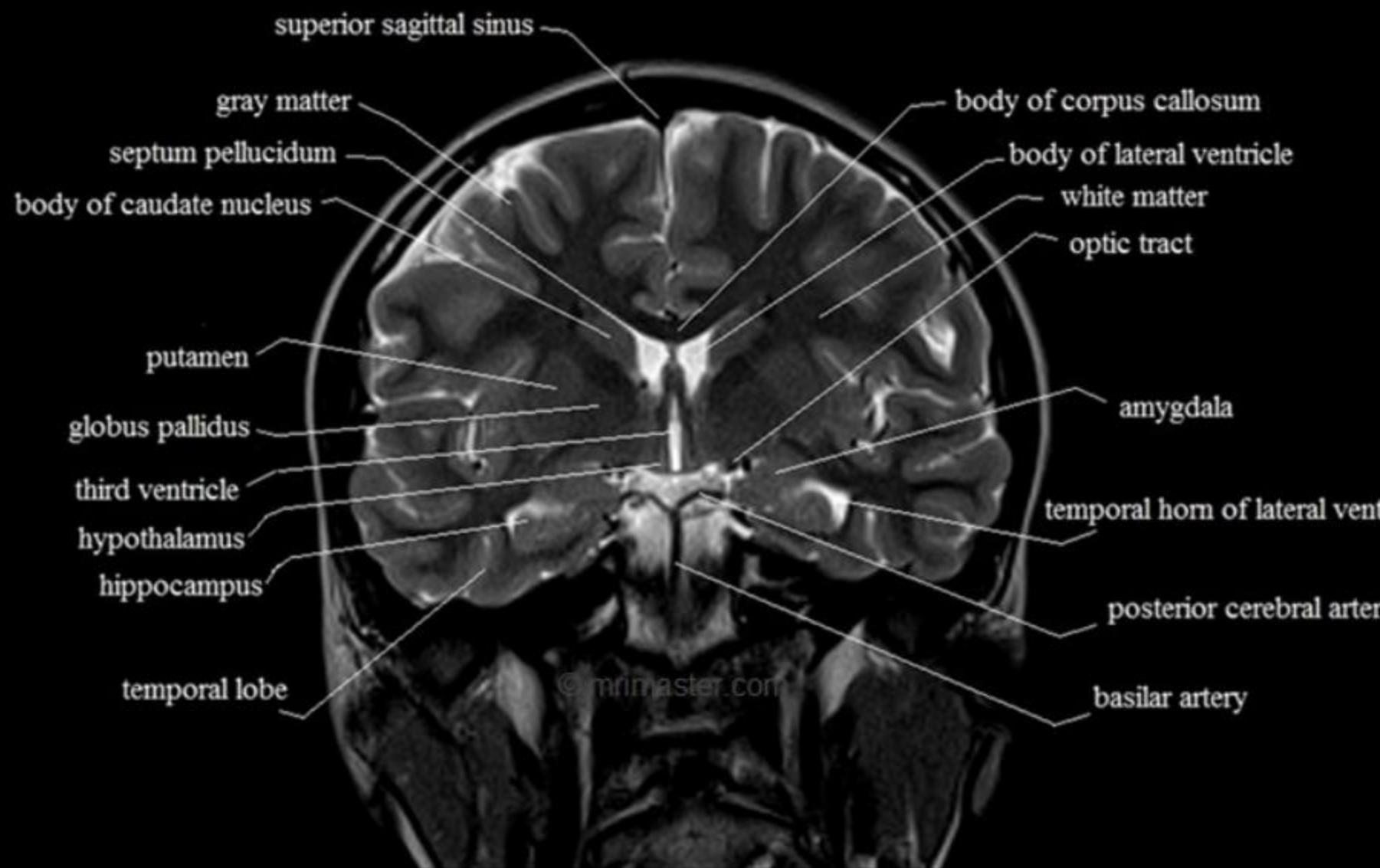


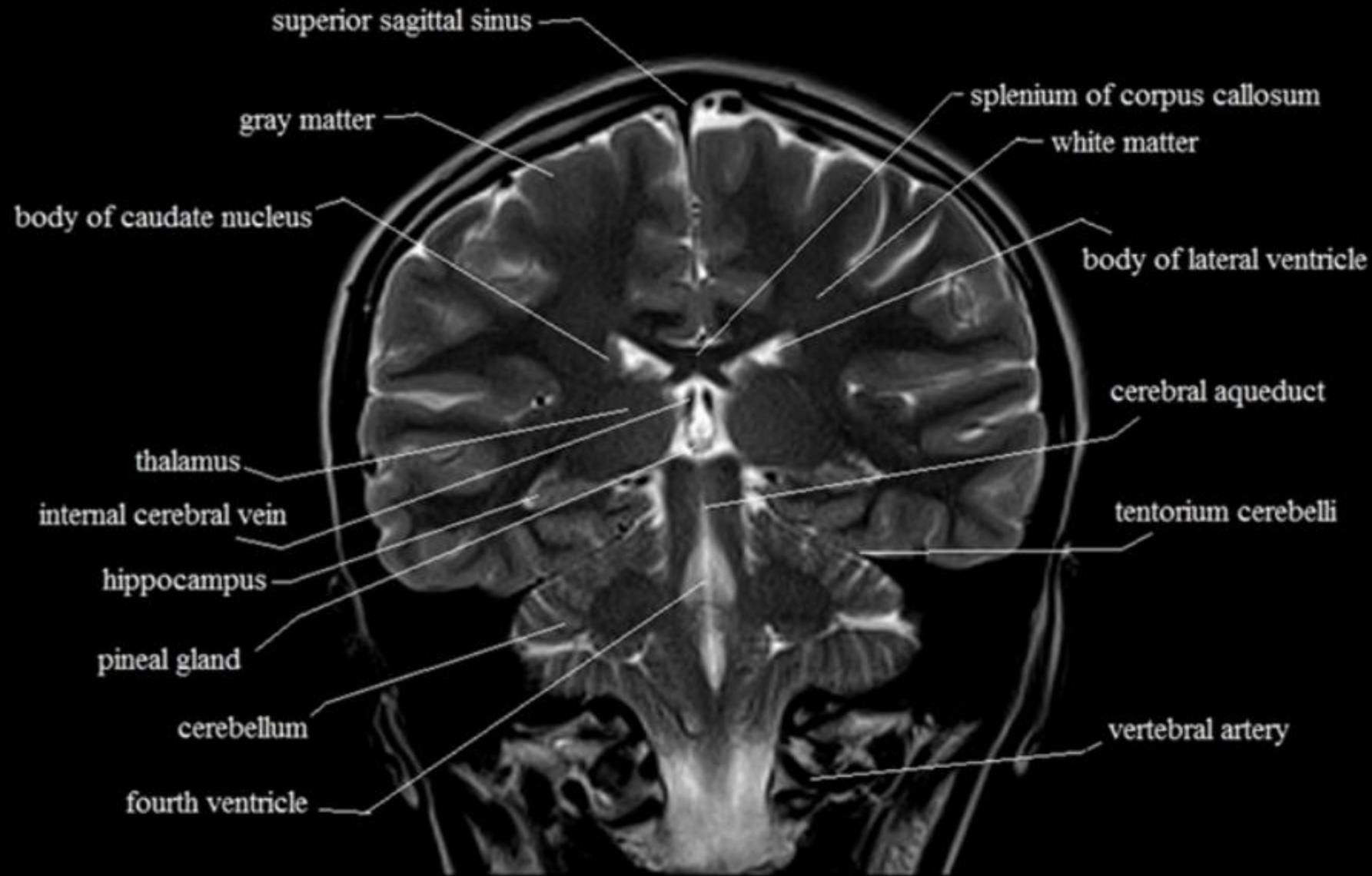


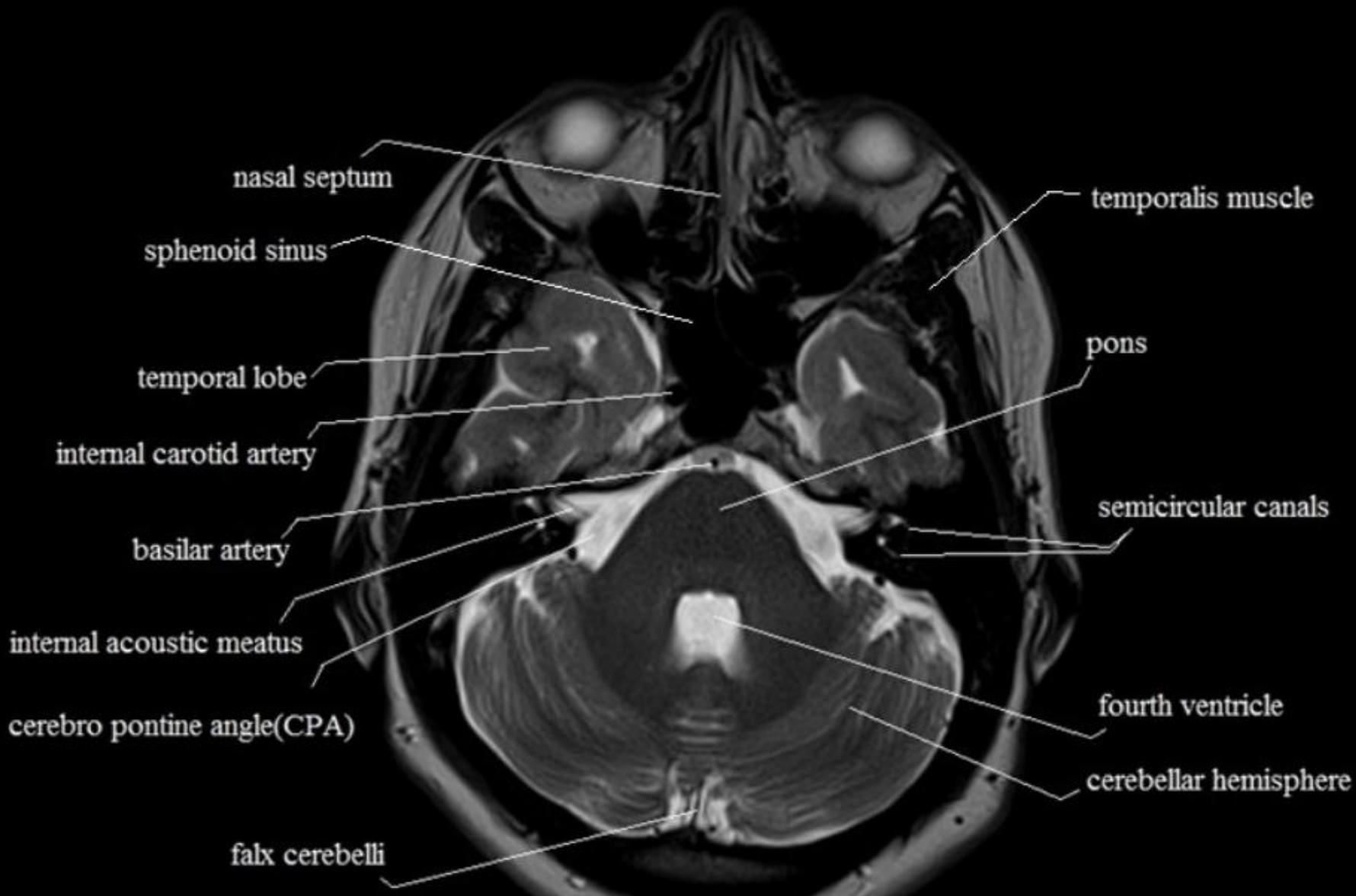


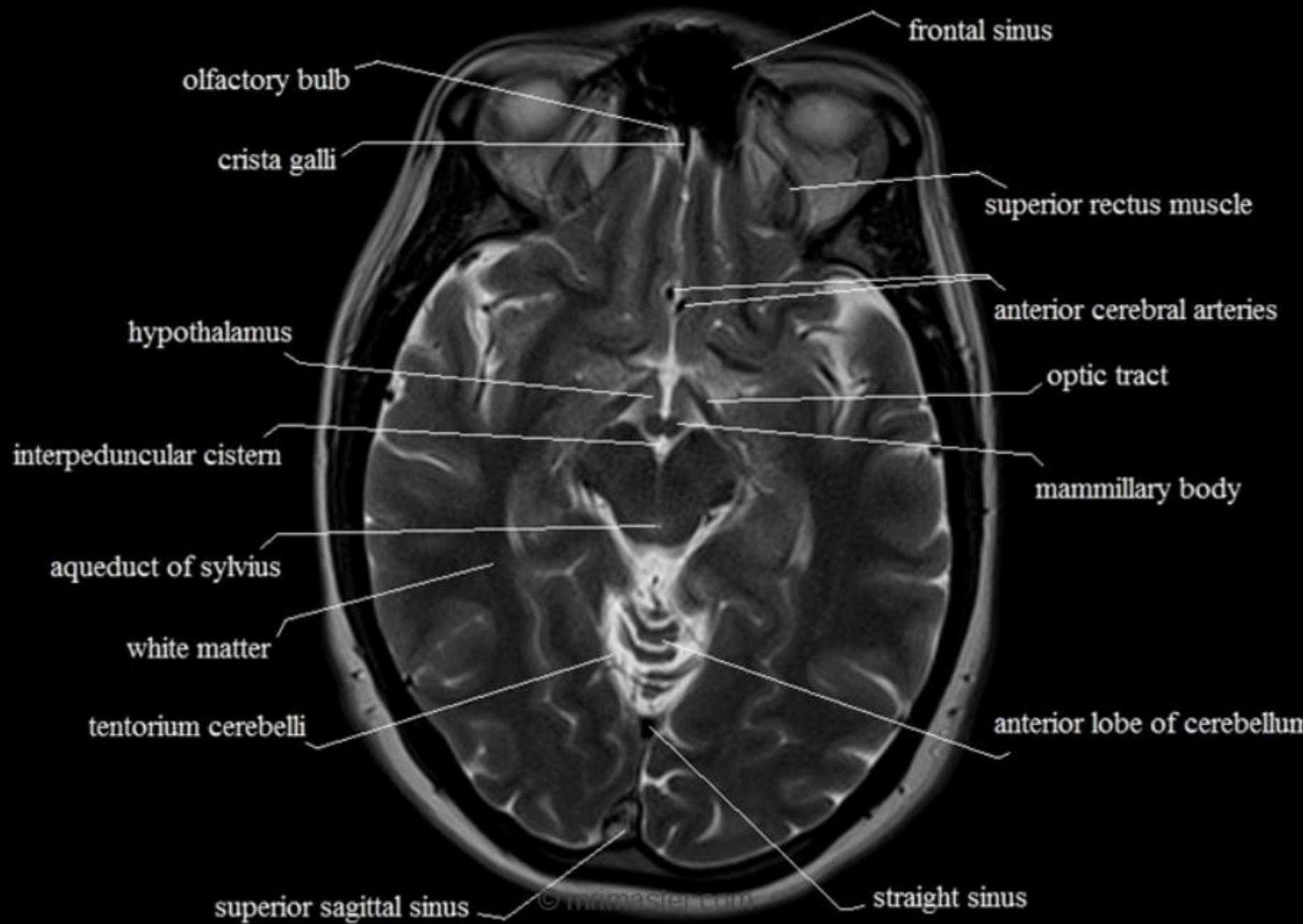


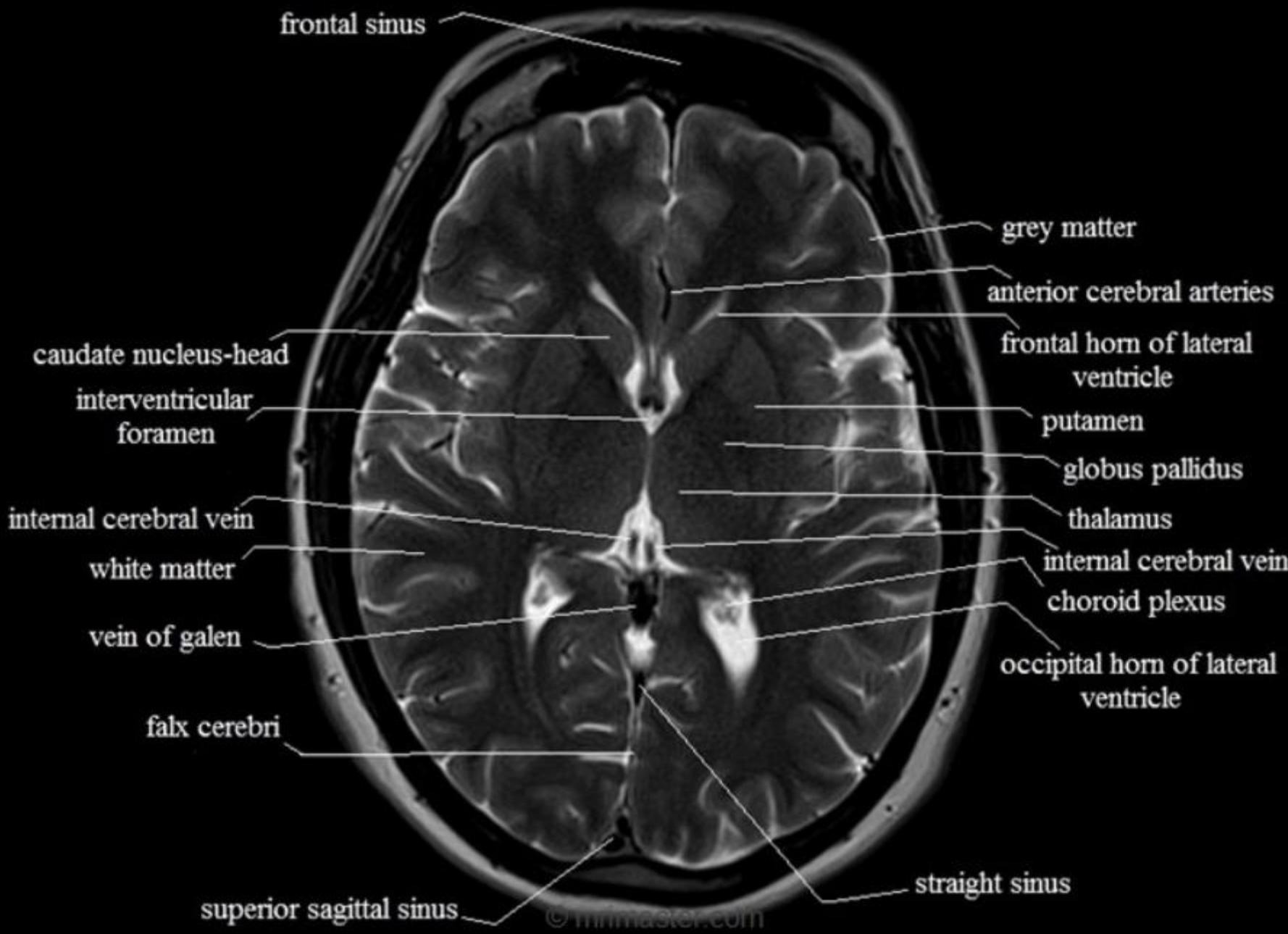


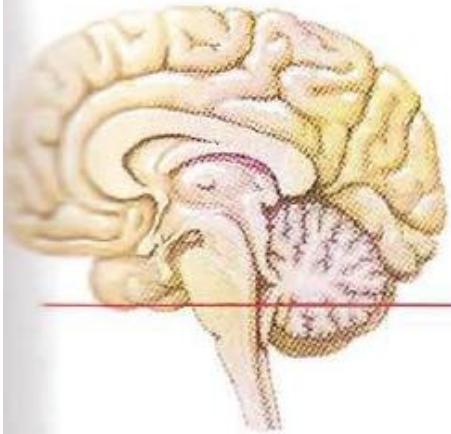




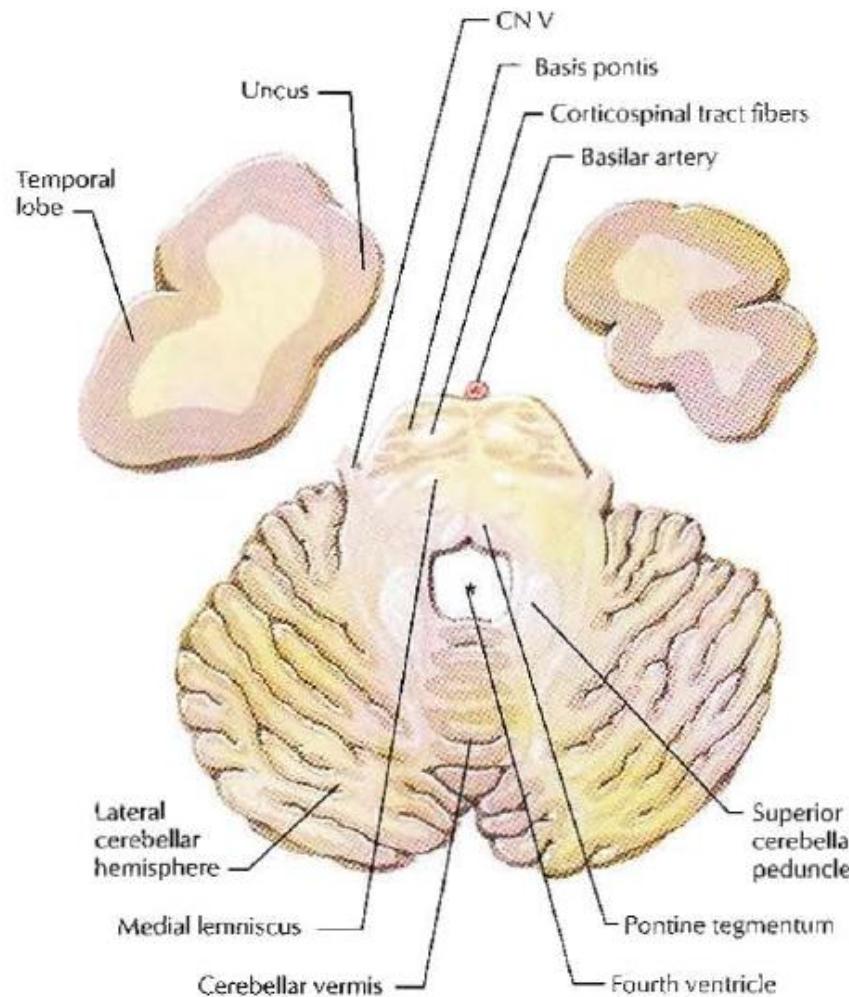


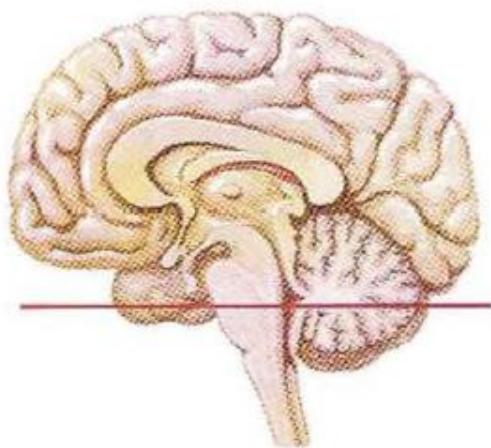




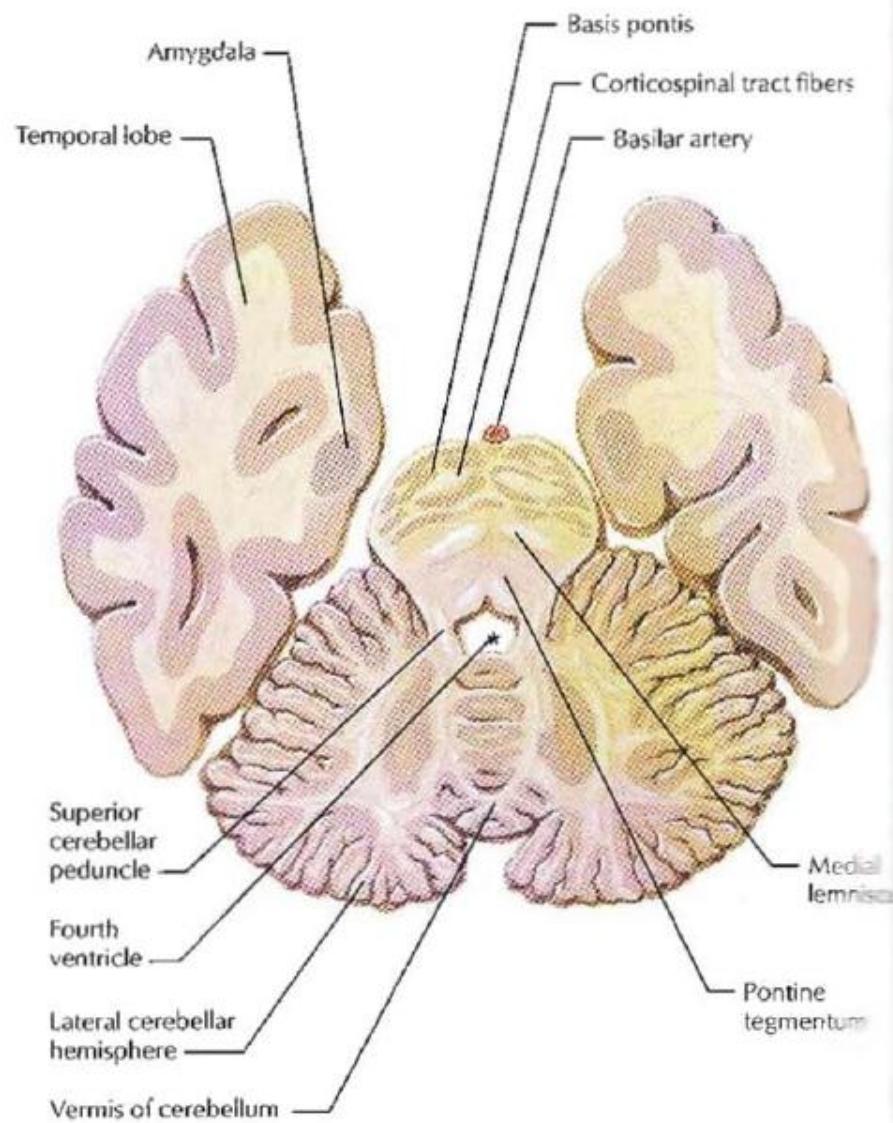


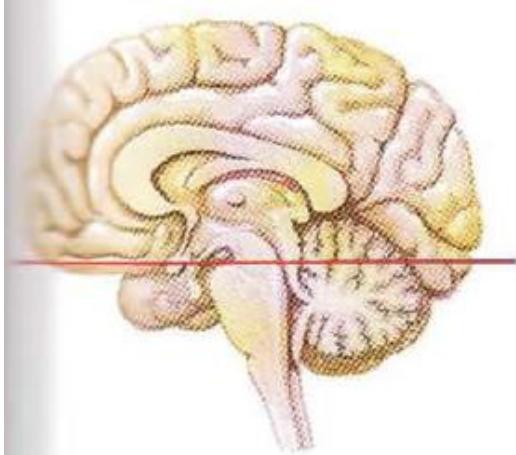
Level of section  
(mid pons)



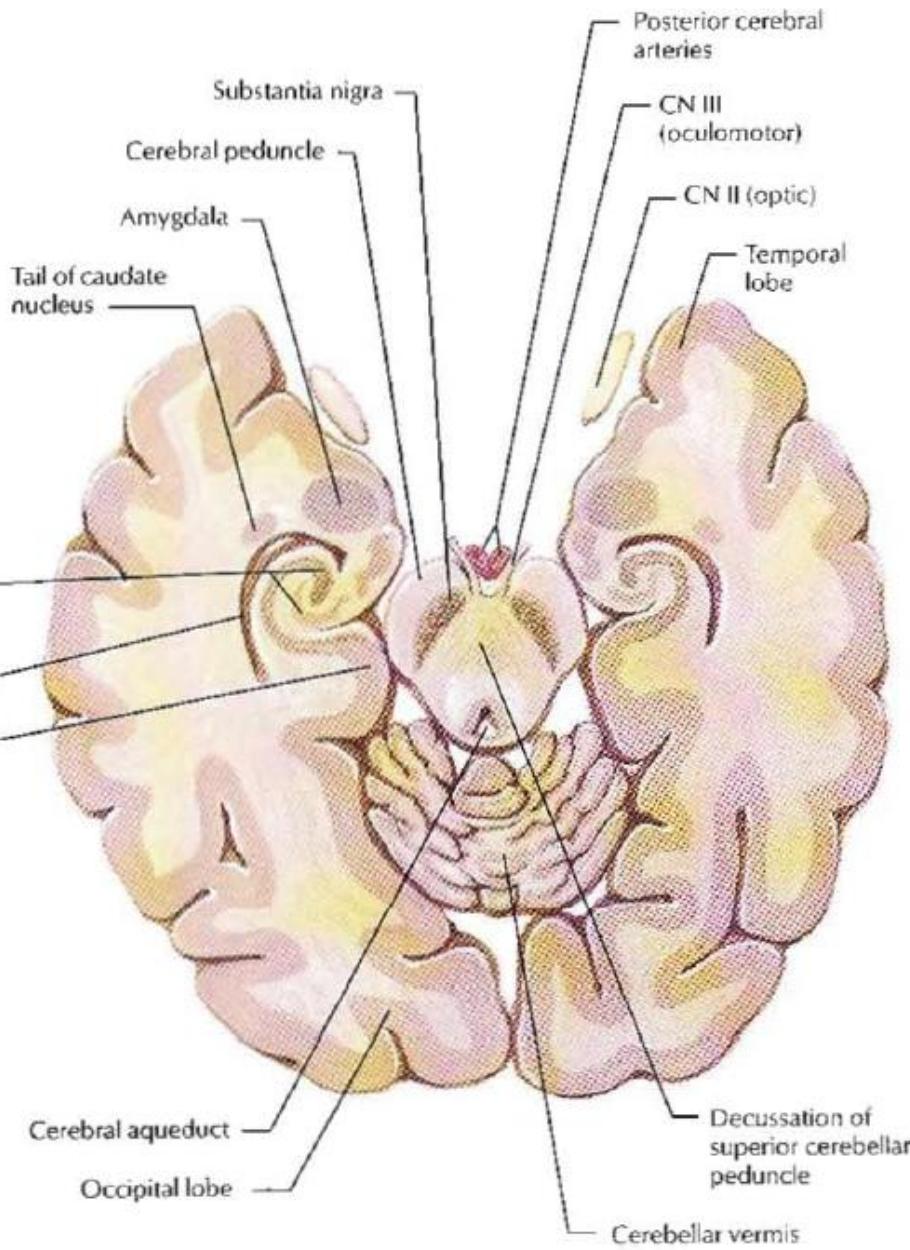


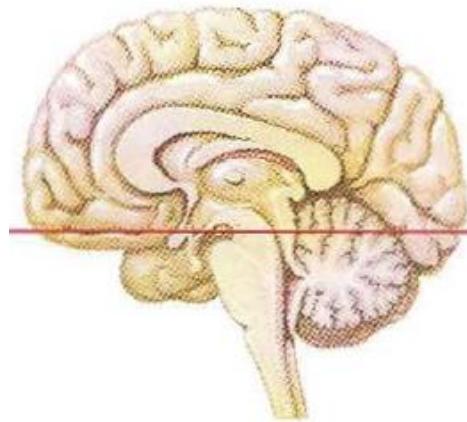
Level of section  
(rostral pons)



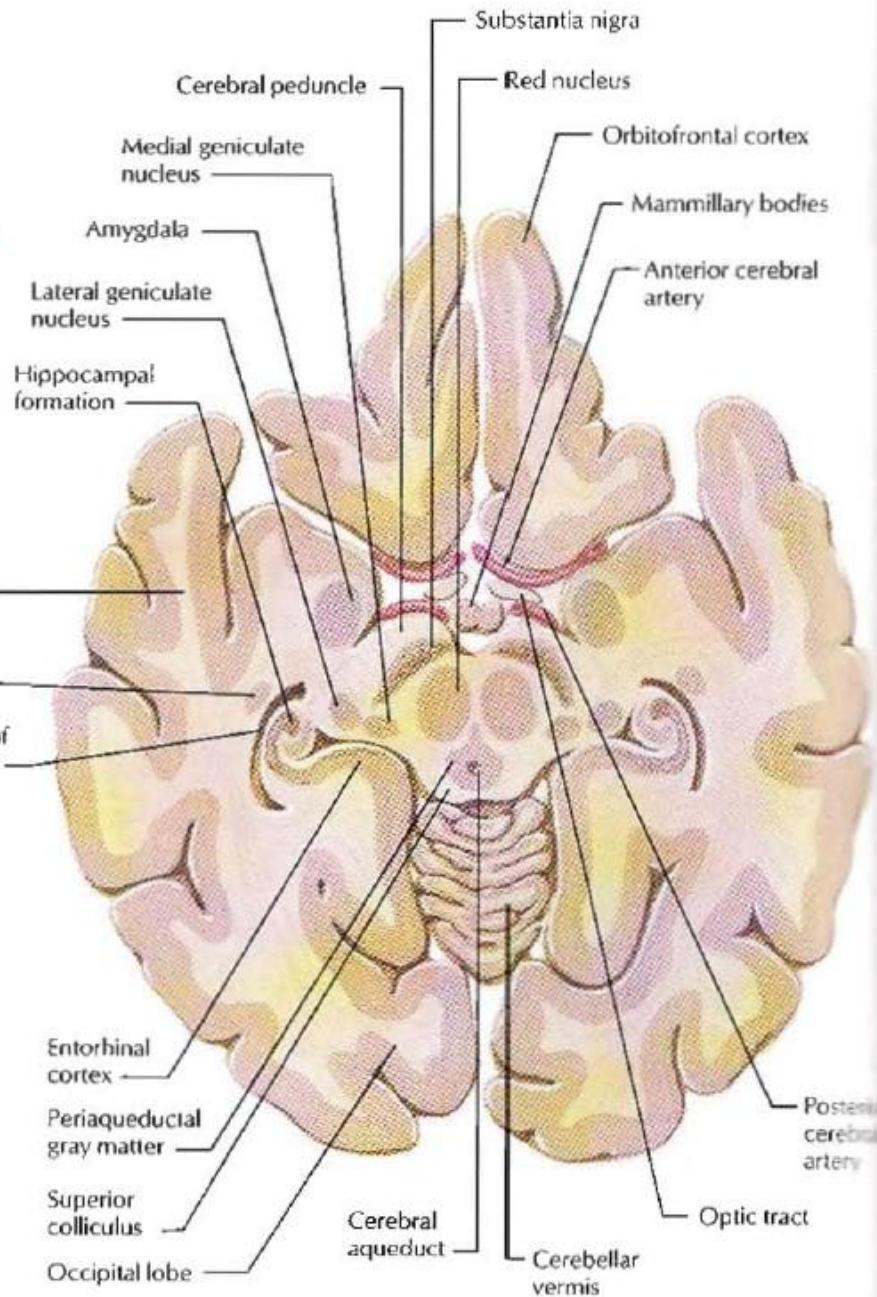


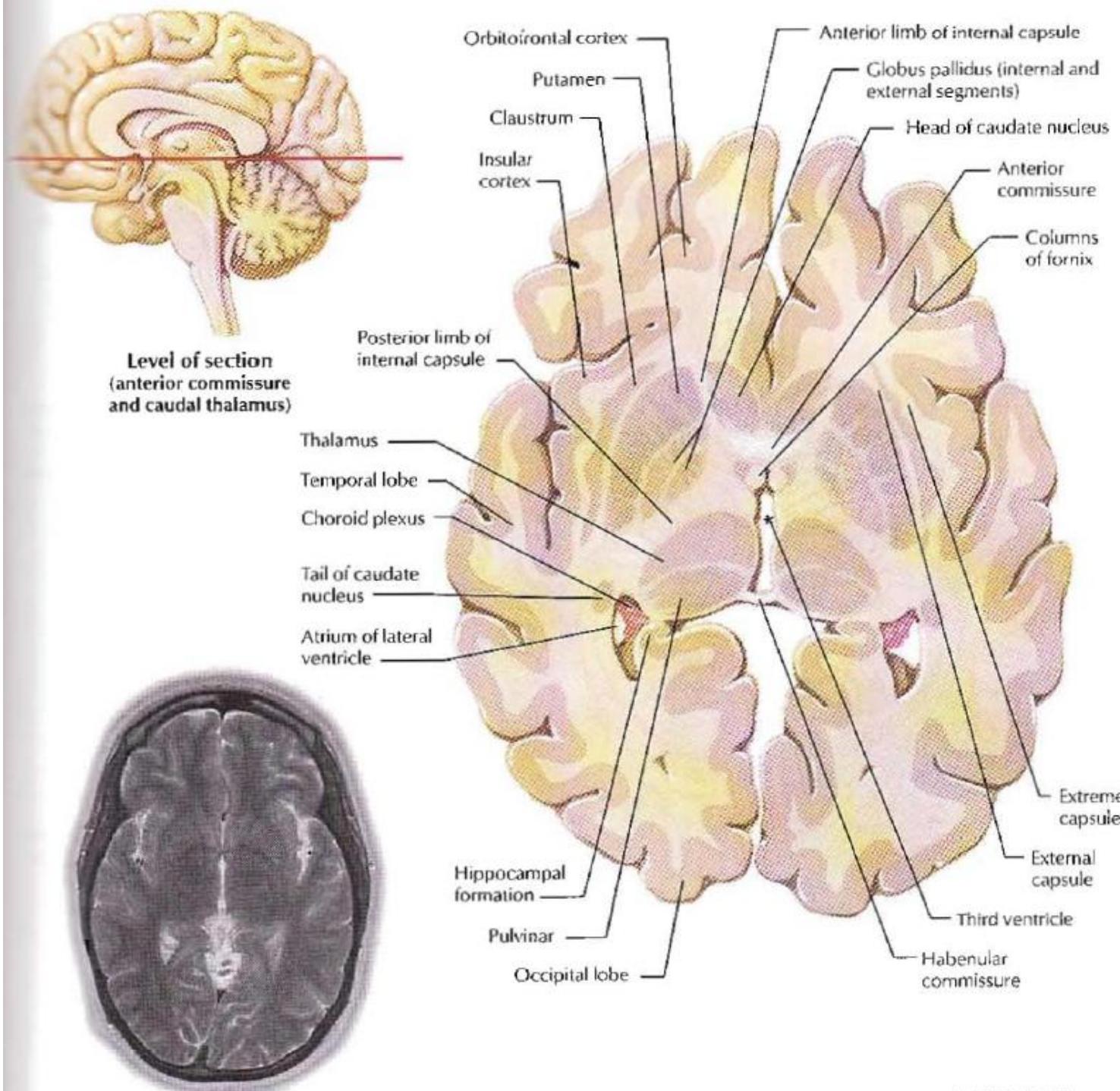
Level of section  
(mid brain)

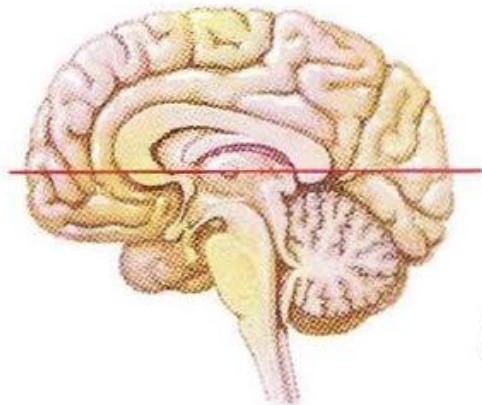




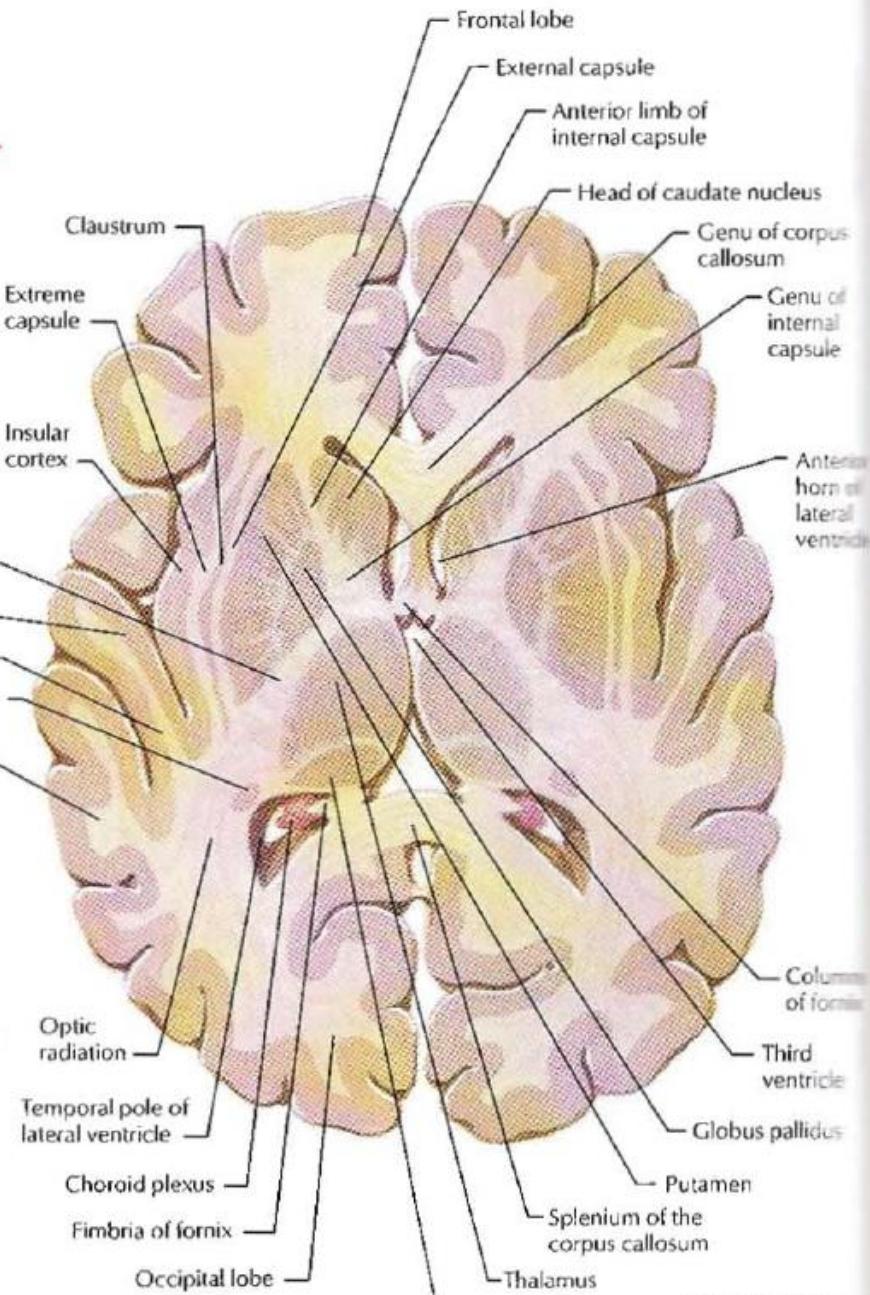
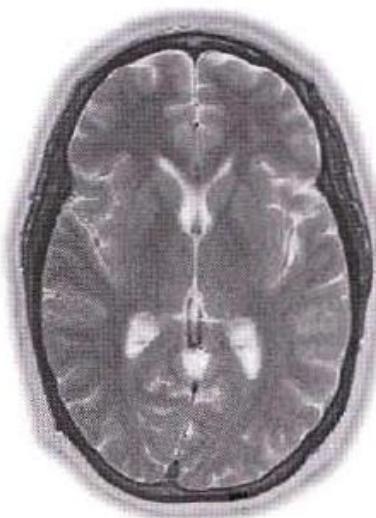
Level of section  
(rostral mid brain  
and hypothalamus)

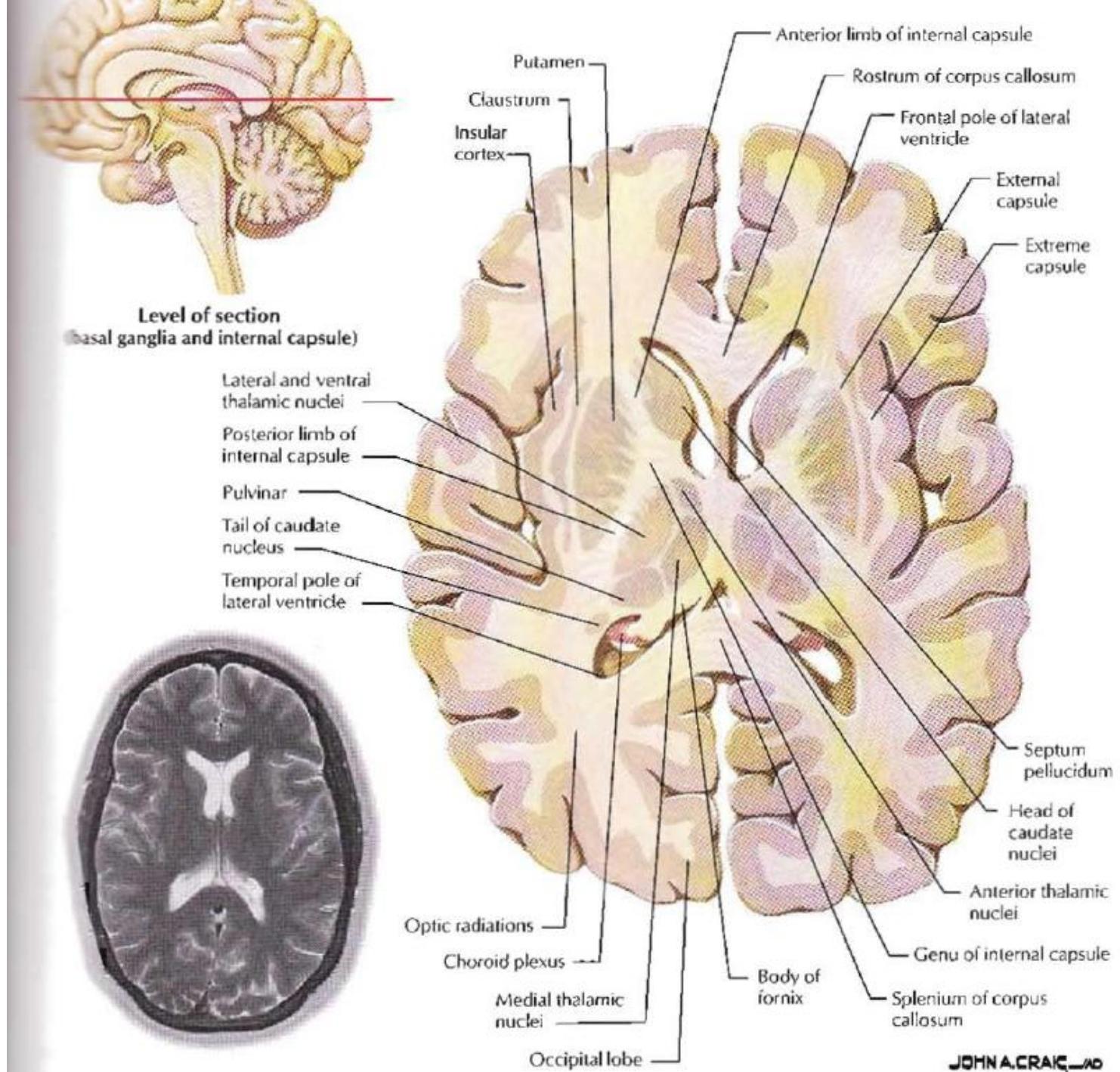


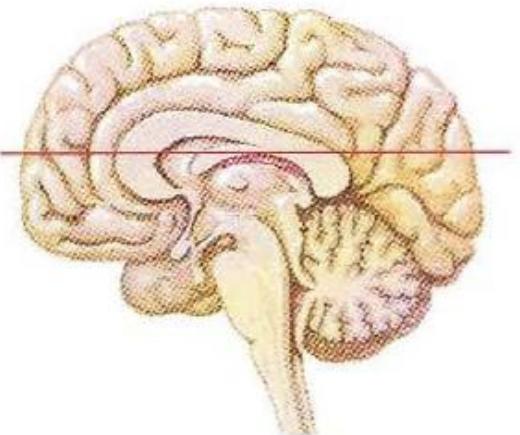




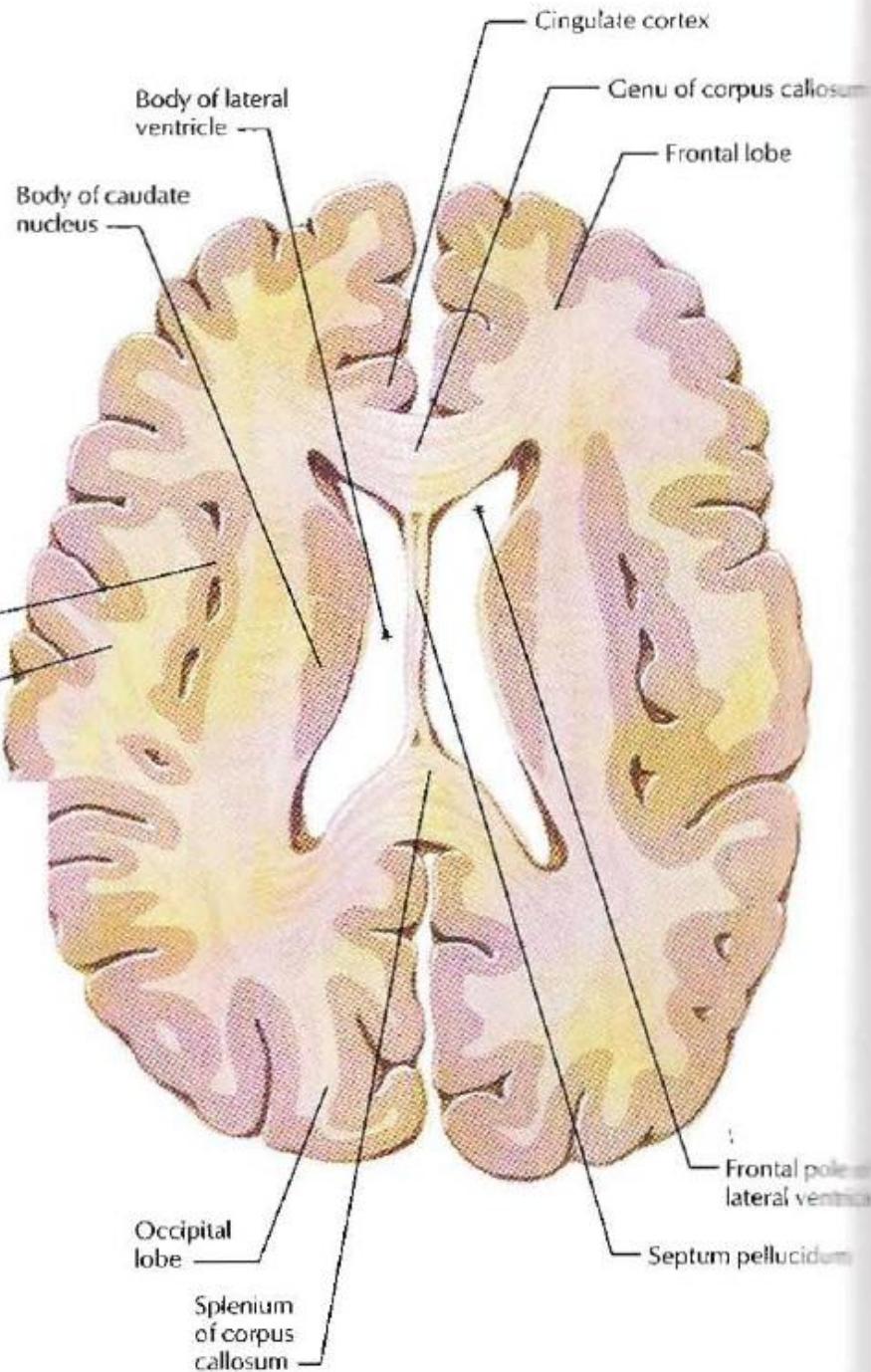
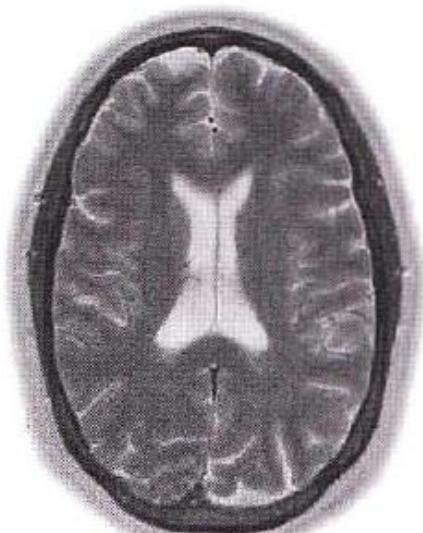
Level of section  
(head of caudate  
and mid thalamus)





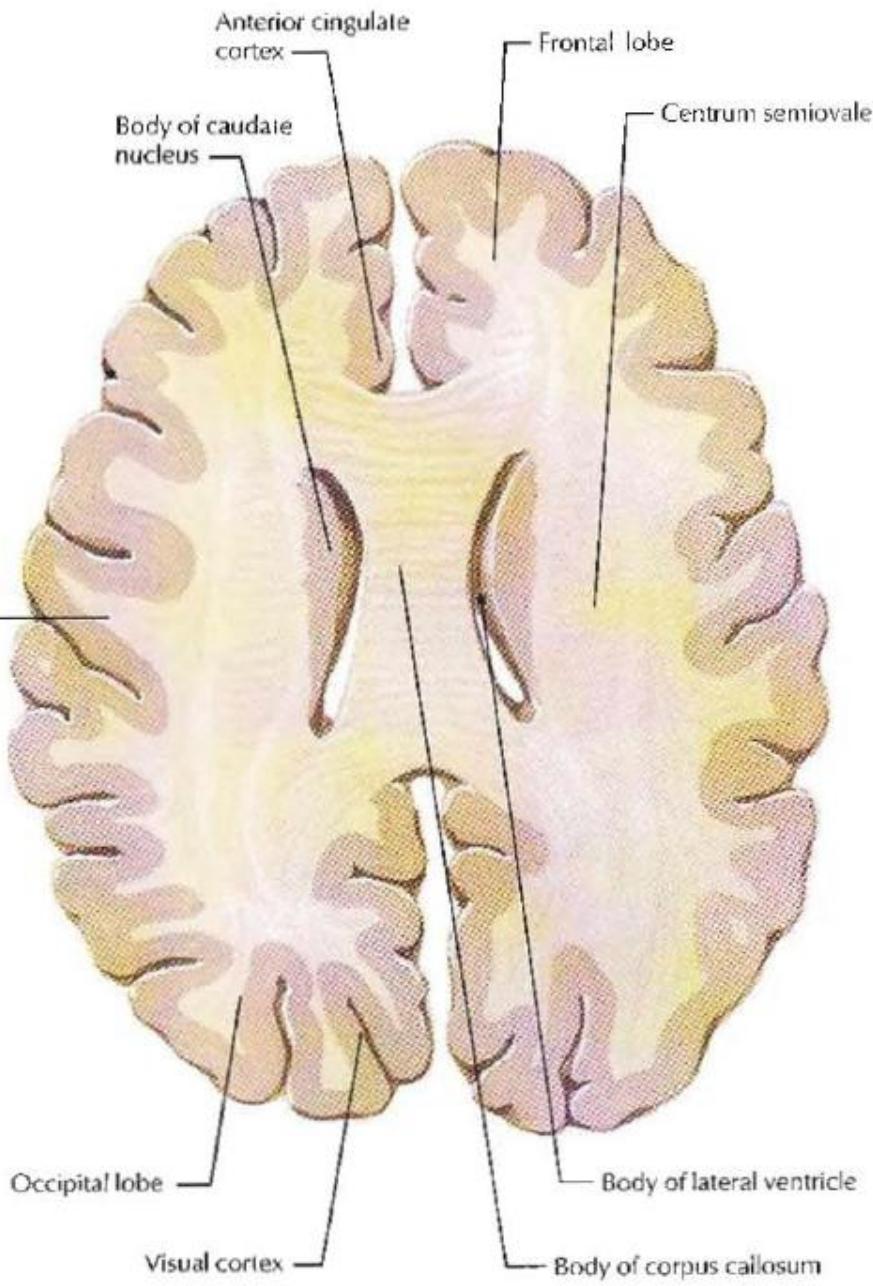


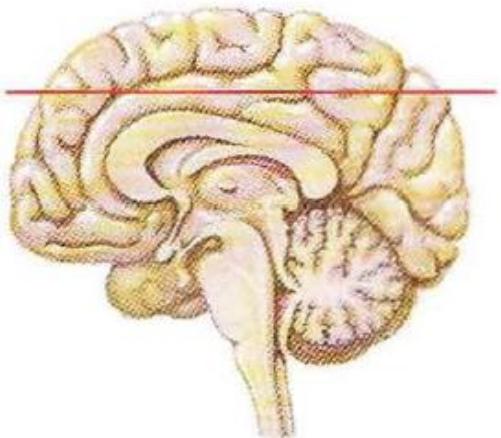
Level of section  
(dorsal caudate, splenium and genu  
of corpus callosum)



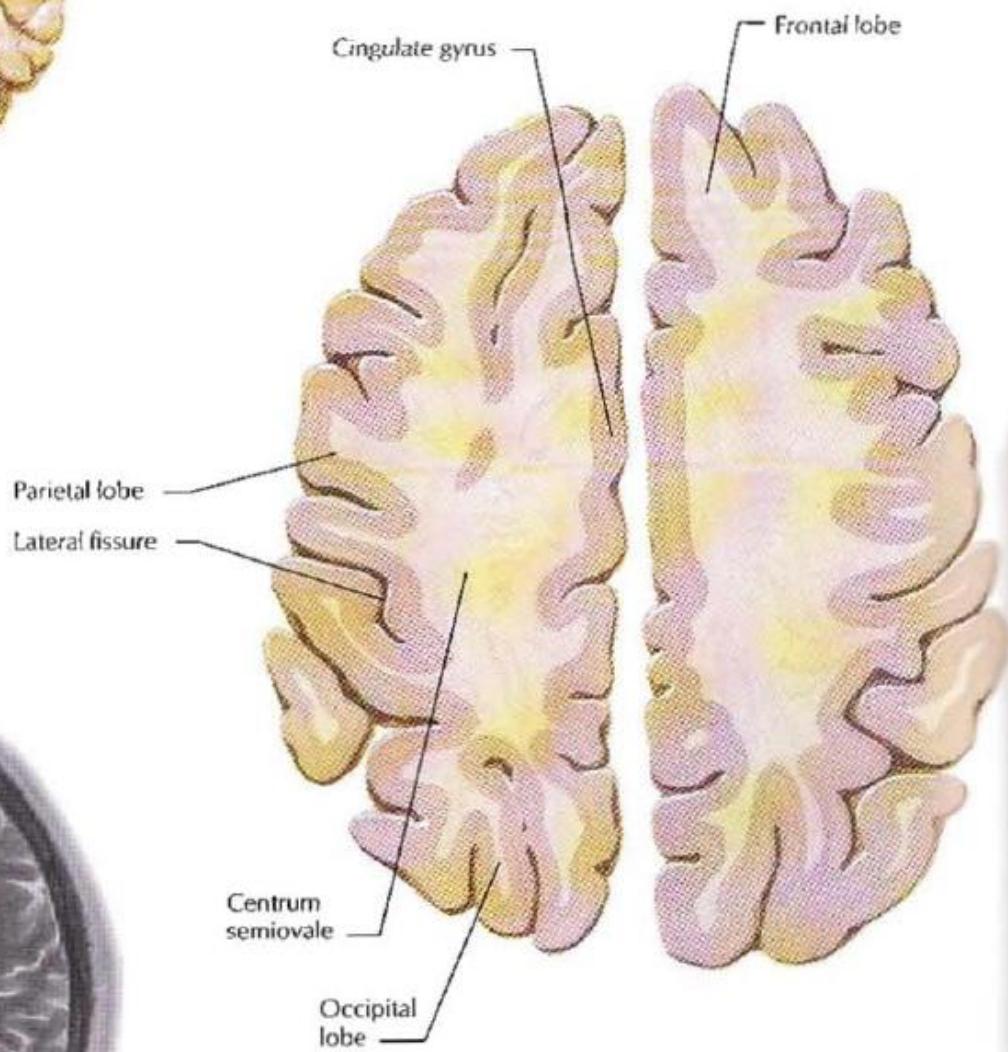
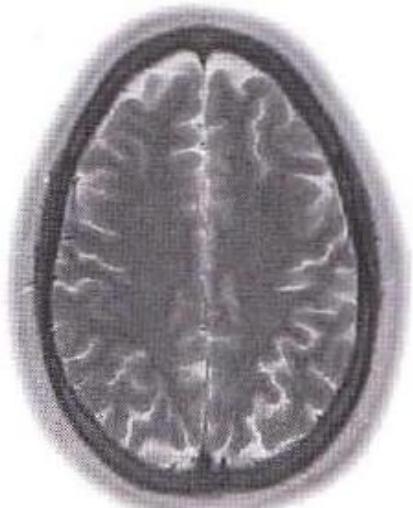


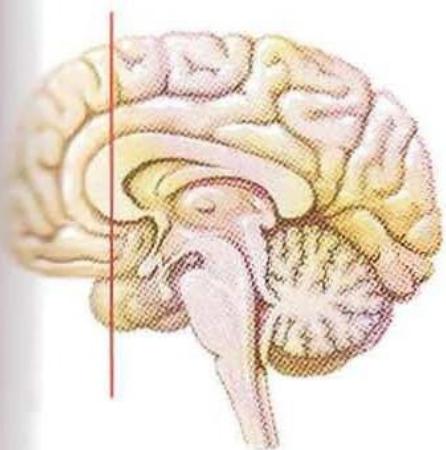
Level of section  
(body of corpus callosum)



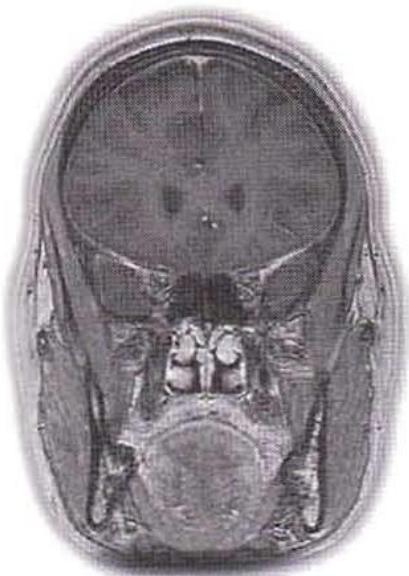
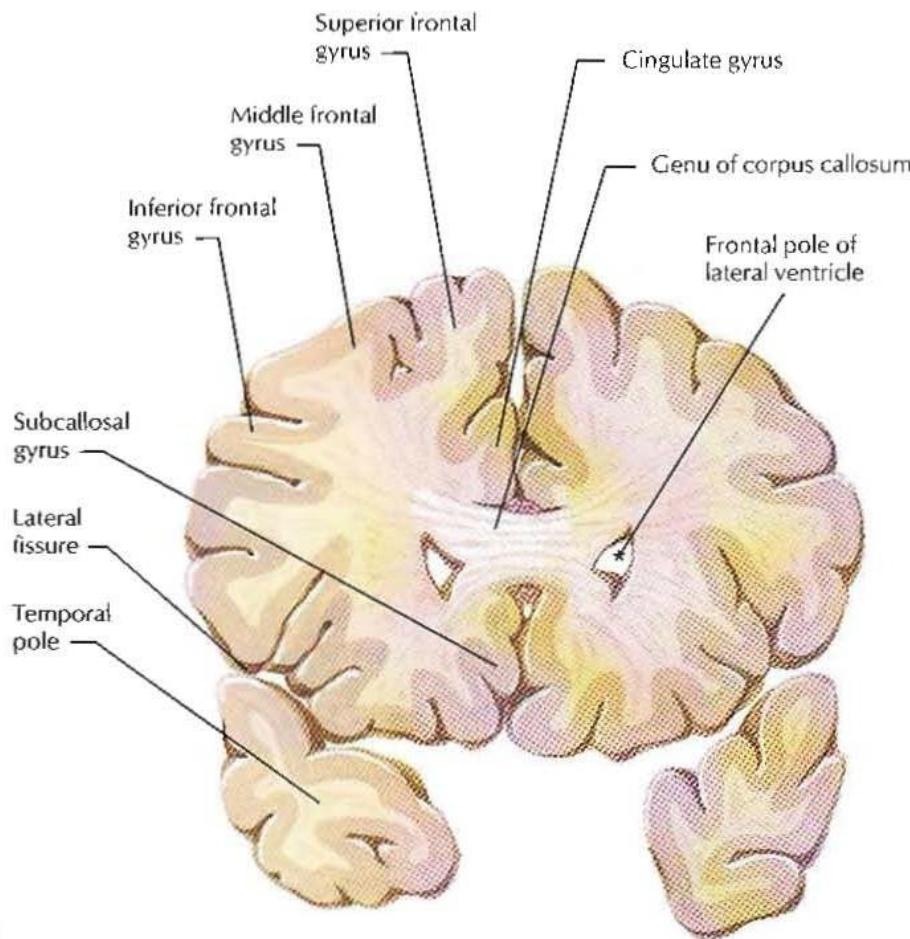


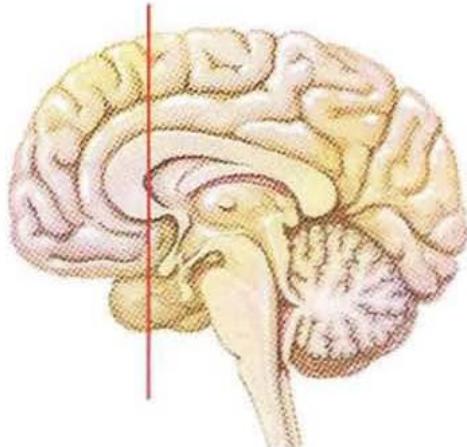
Level of section  
(centrum semiovale)



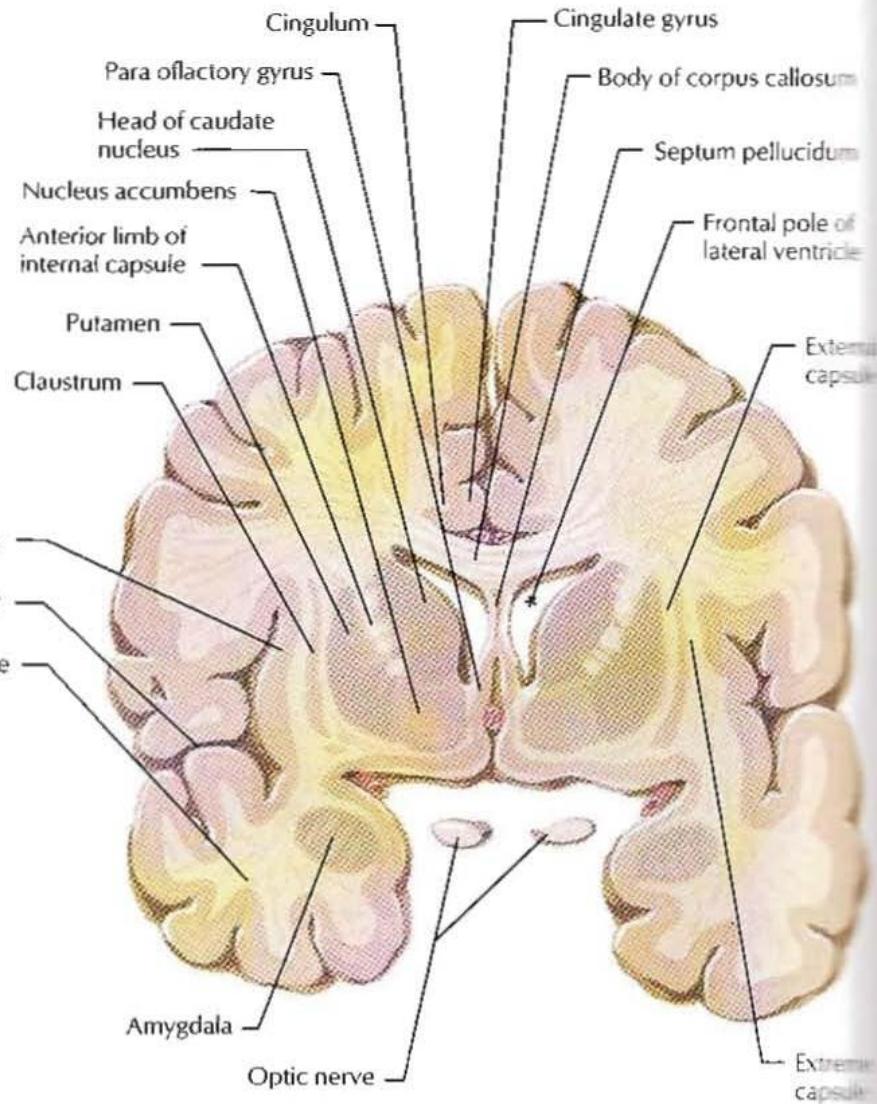
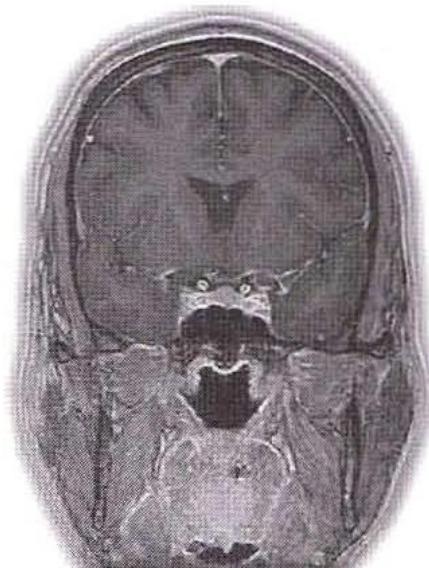


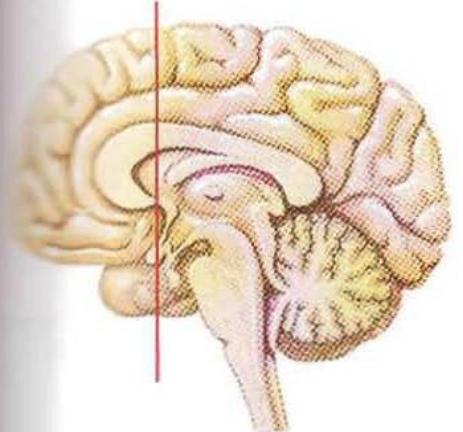
Level of section  
(genu of corpus callosum)



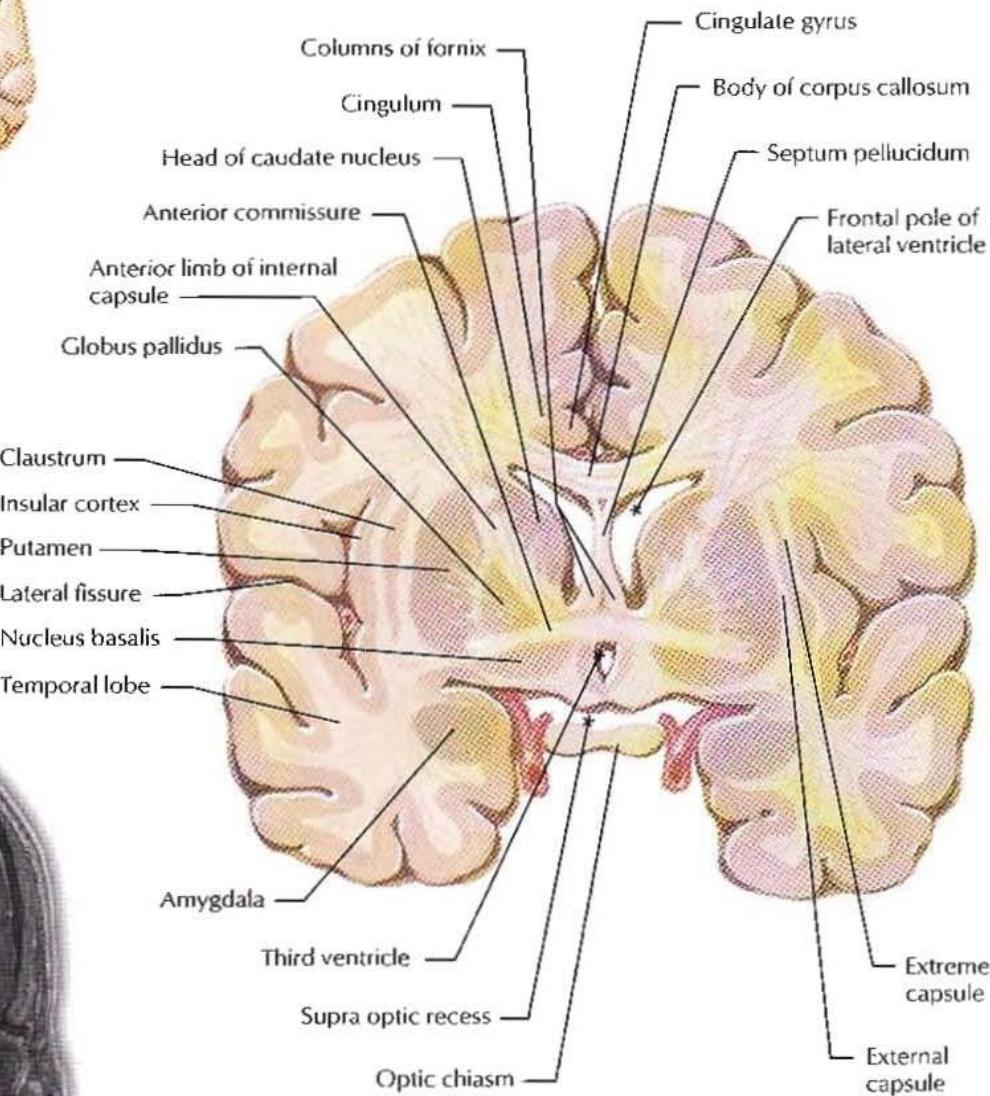
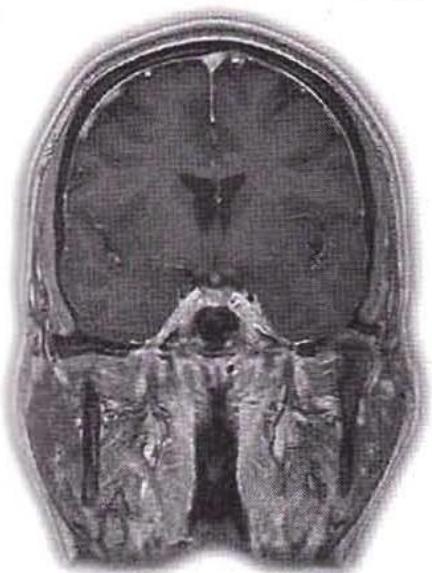


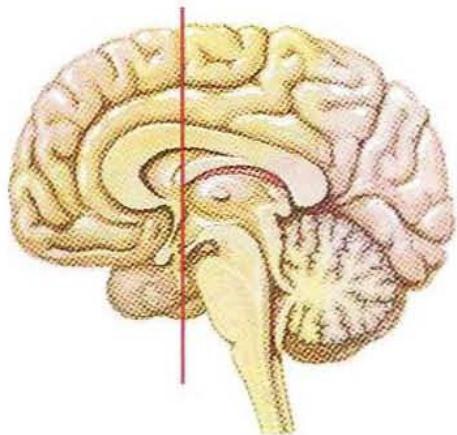
Level of section  
(head of caudate nucleus/  
nucleus accumbens)



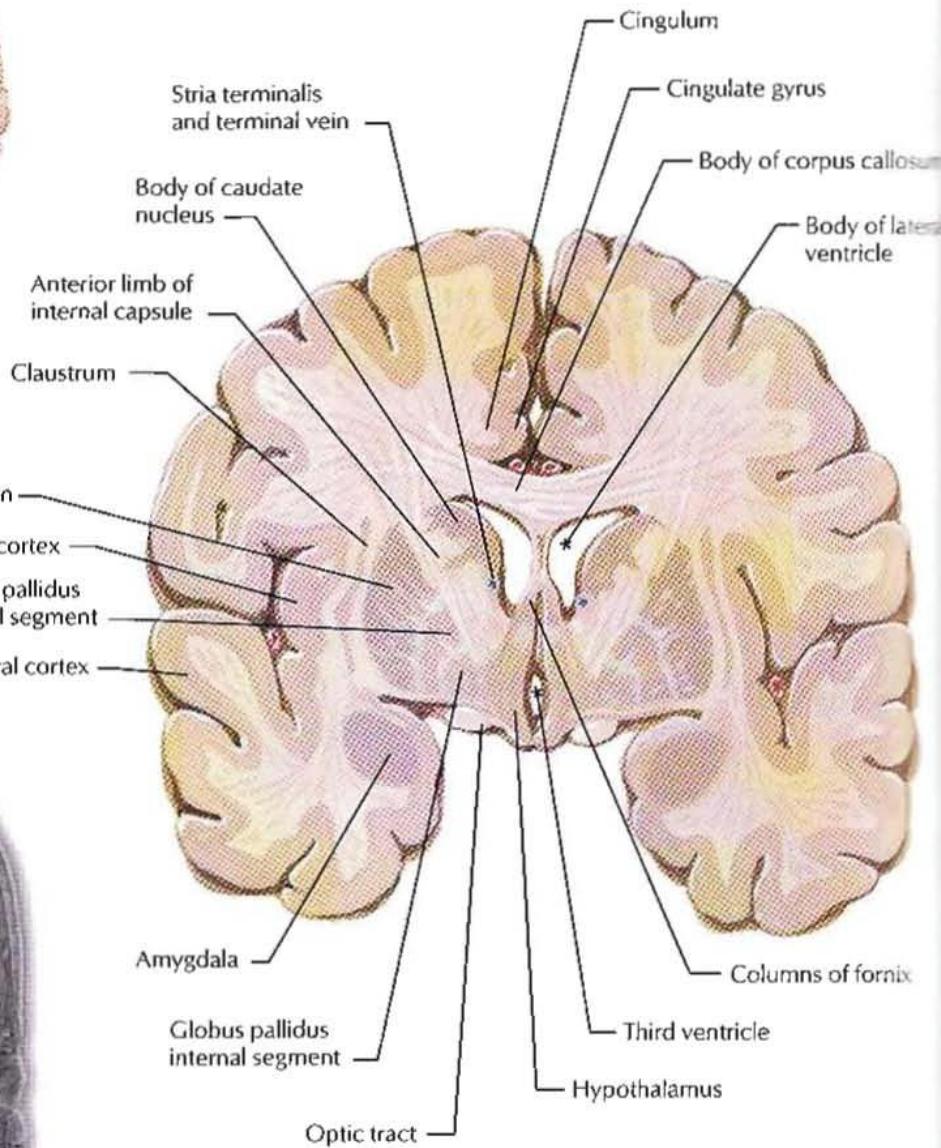
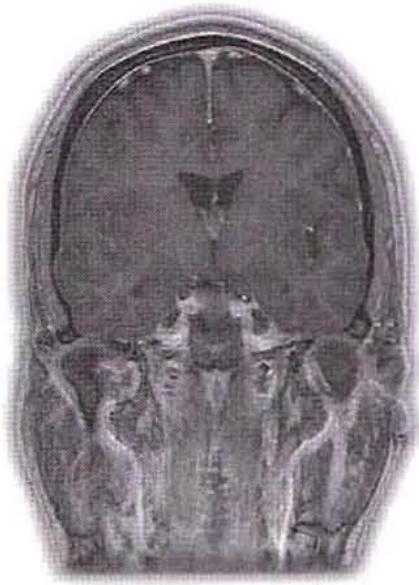


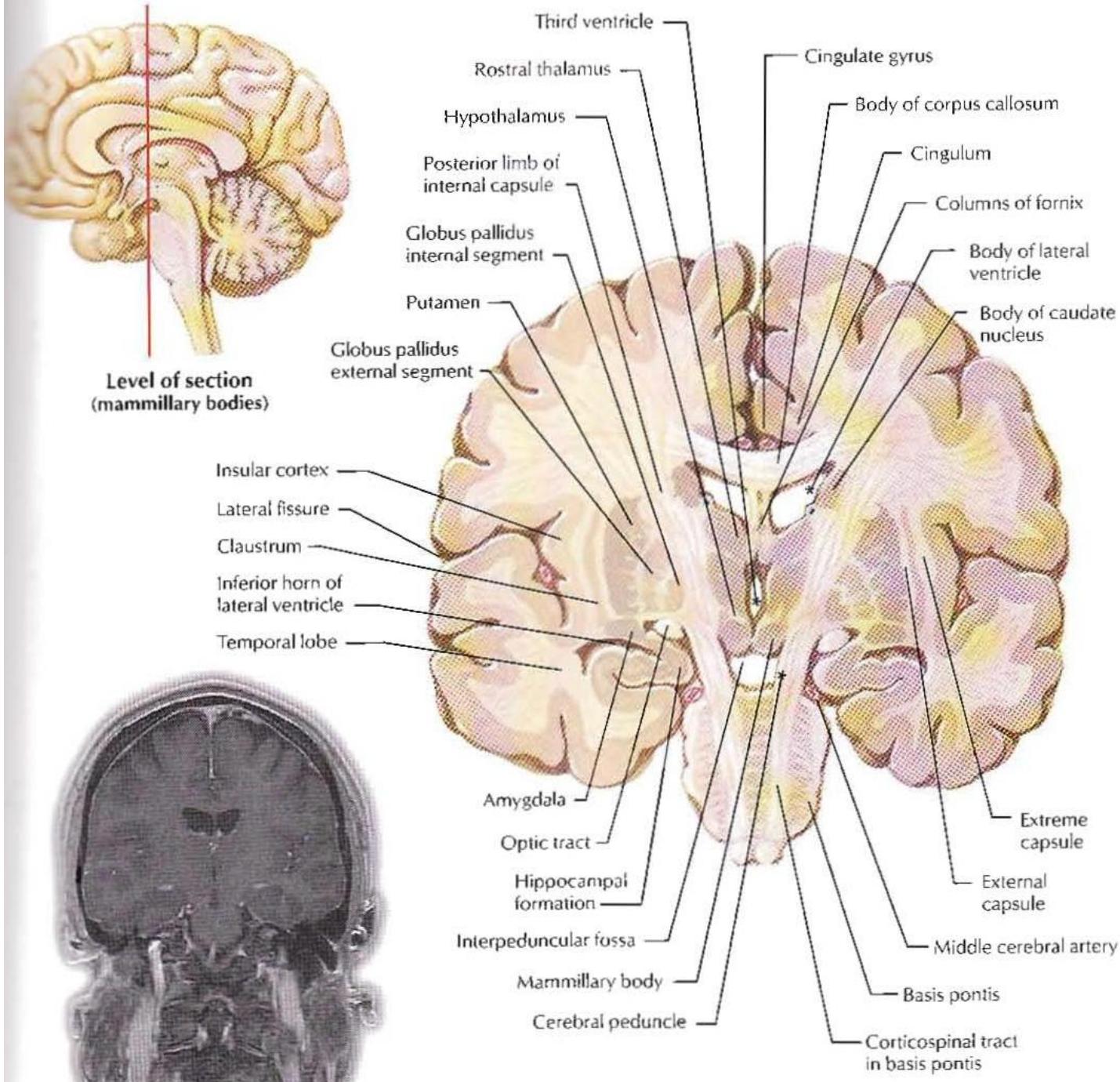
Level of section  
(anterior commissure/  
columns of fornix)

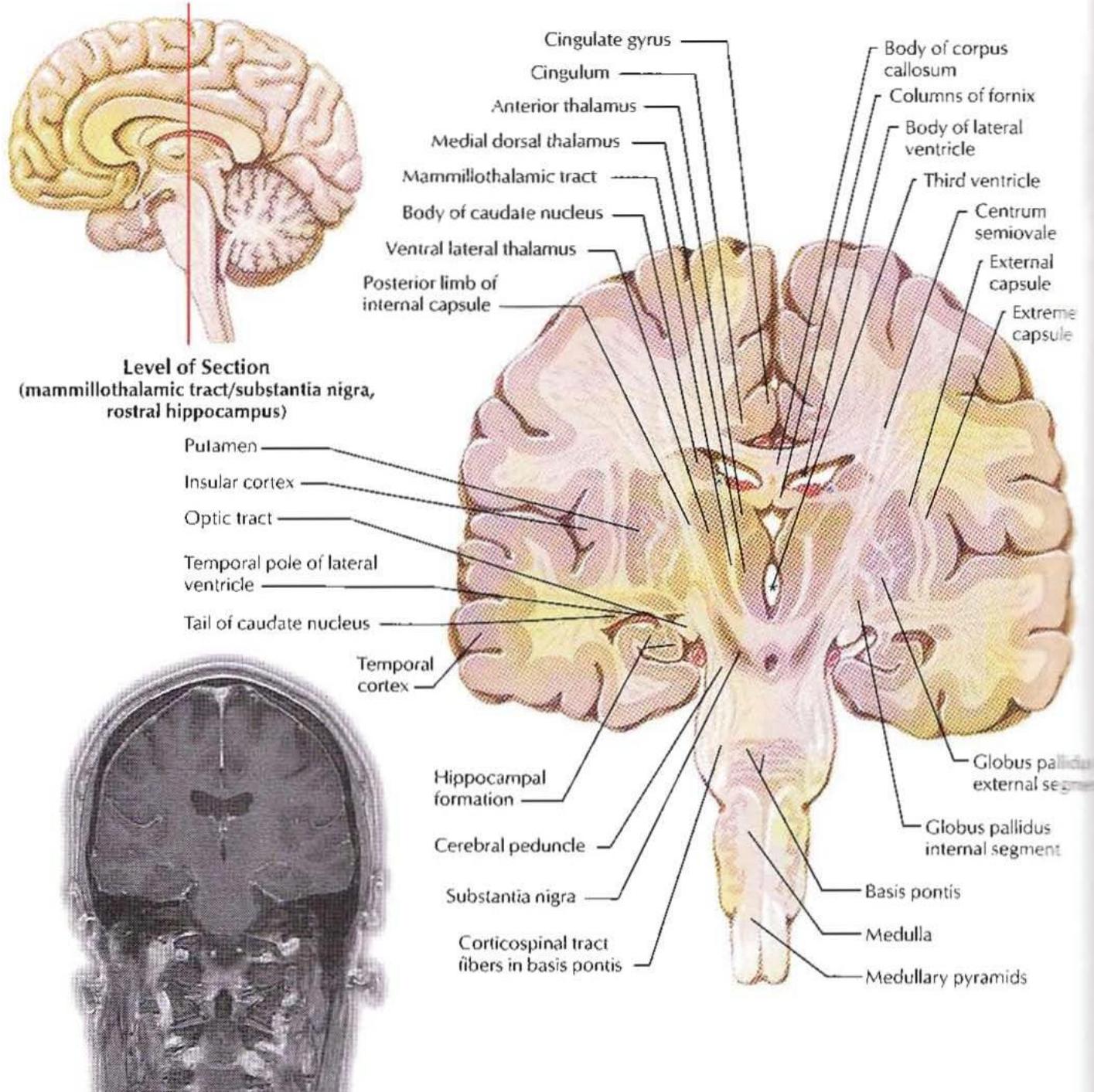


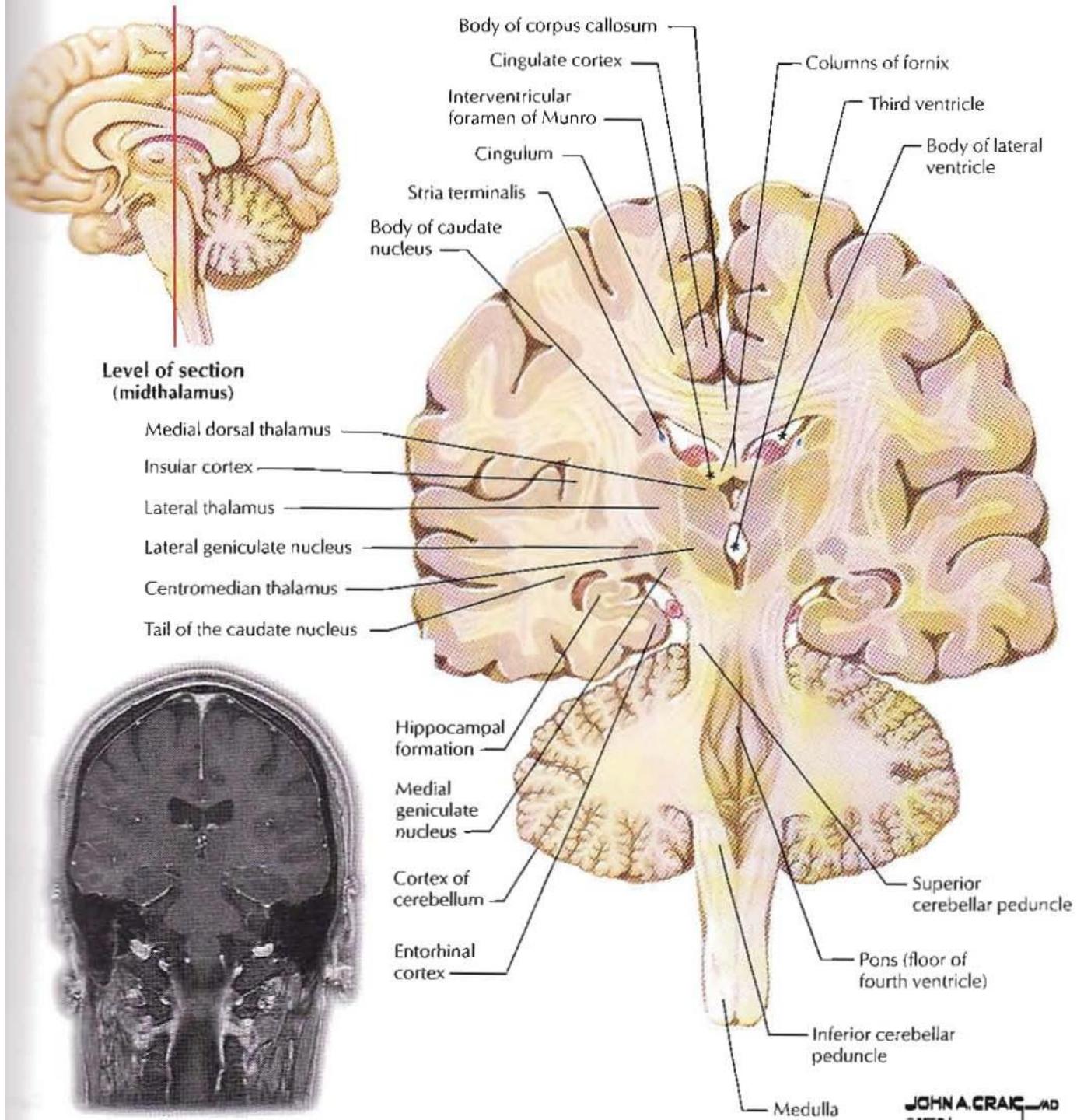


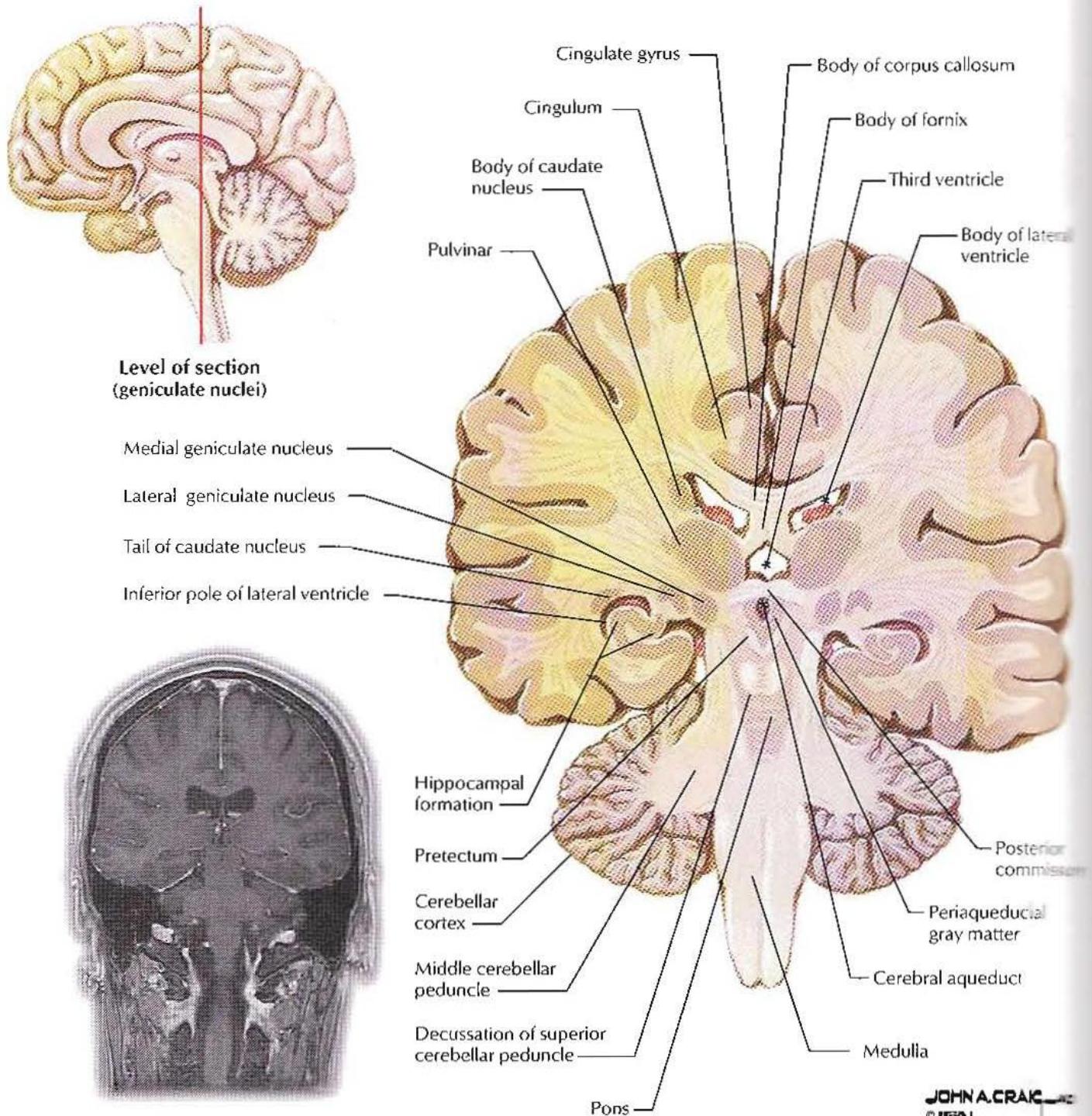
Level of section  
(amygdala, anterior limb  
of internal capsule)

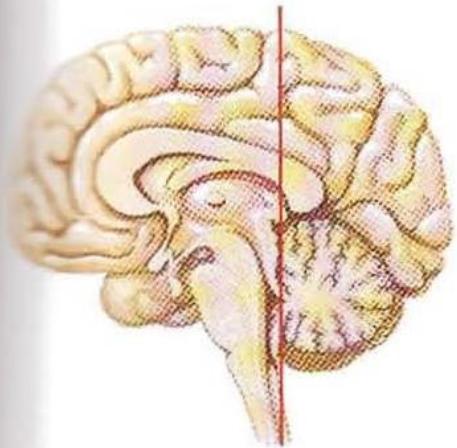












Level of section  
(caudal pulvinar and superior colliculus)

