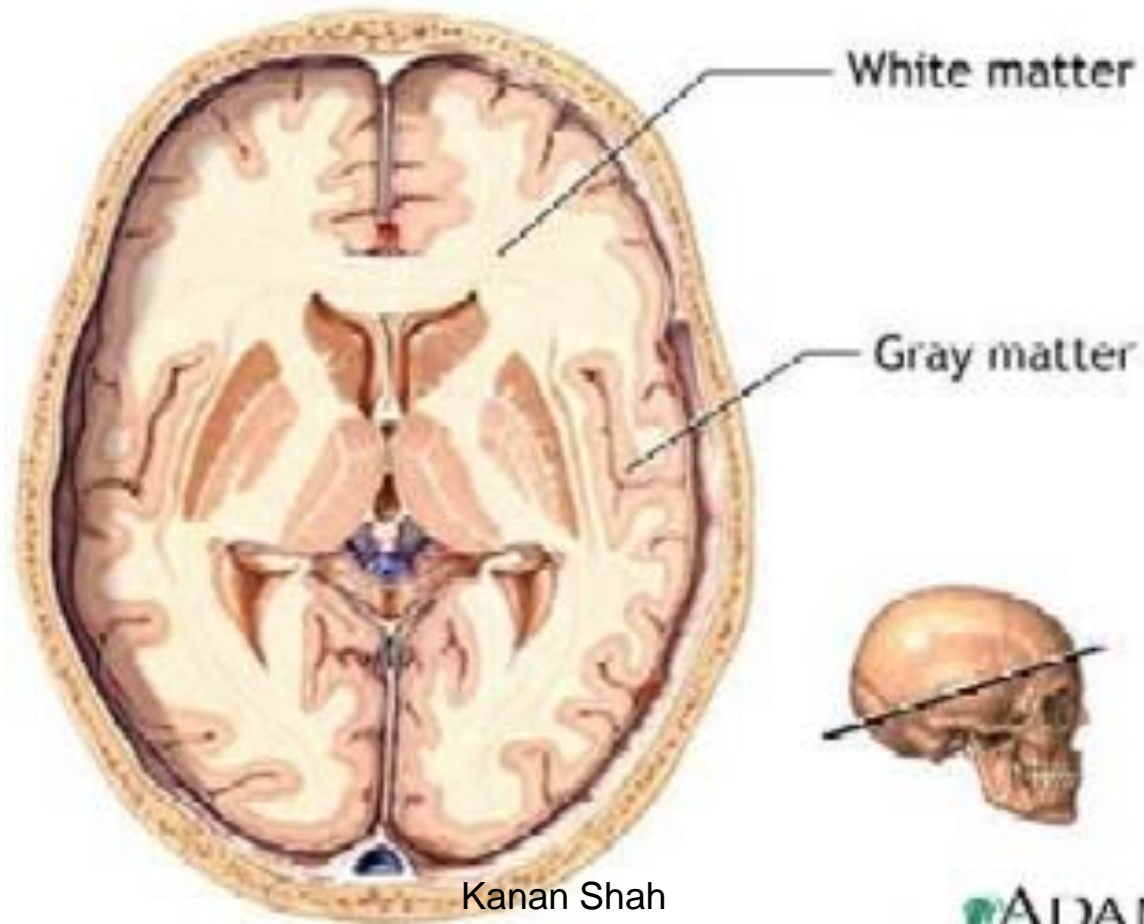


WHITE FIBERS OF CEREBRUM



THREE TYPES OF FIBERS

- ASSOCIATION FIBERS
- COMMISURAL FIBERS
- PROJECTION FIBERS

**Longitudinal
association
fibers**

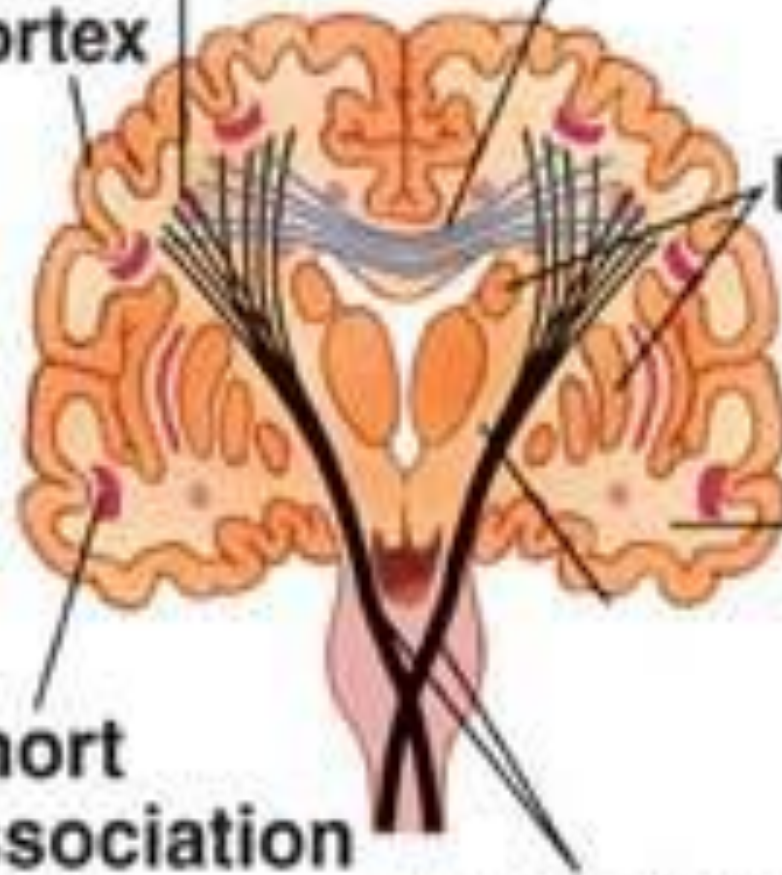
**Commissural
fibers (corpus
collosum)**

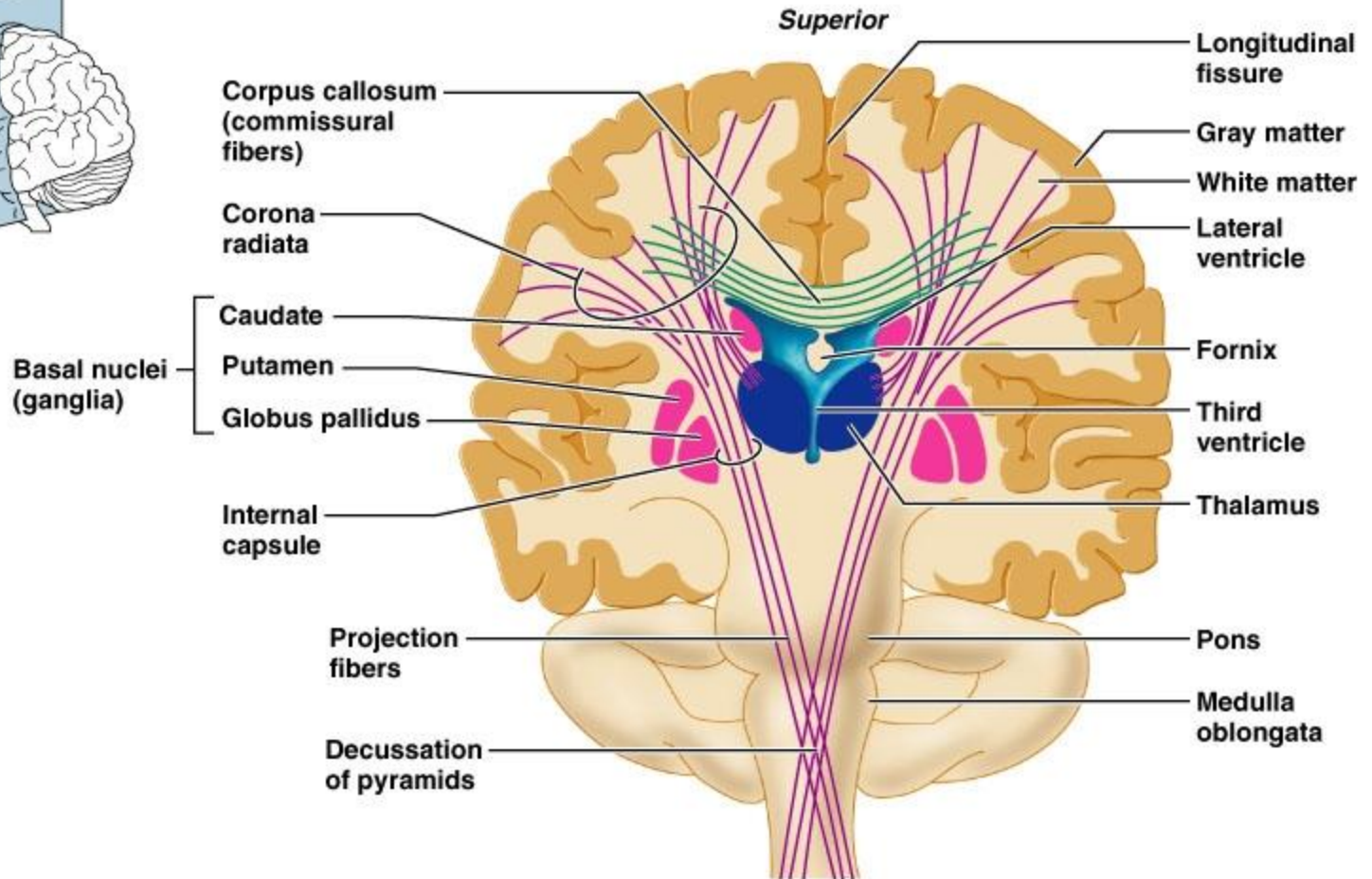
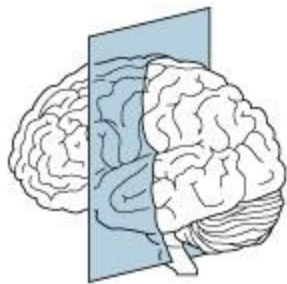
Cortex

Nuclei

**Short
association
fibers**

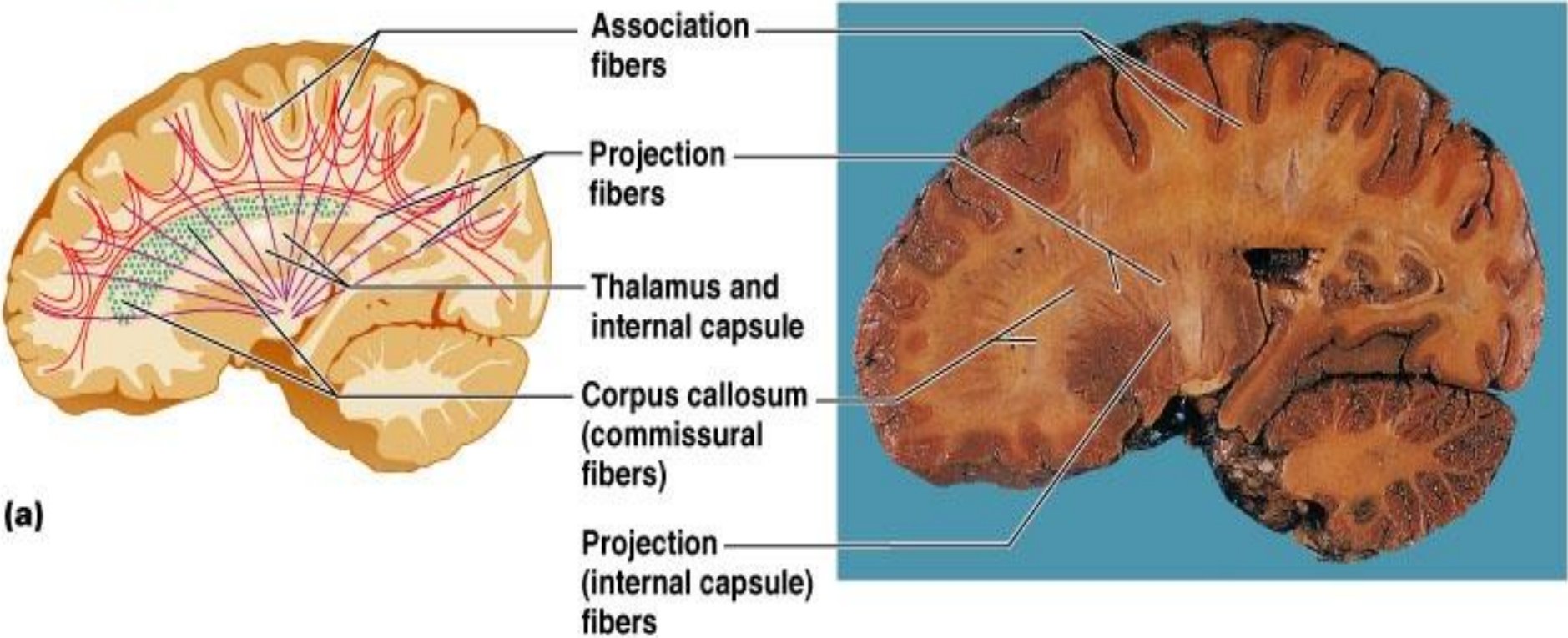
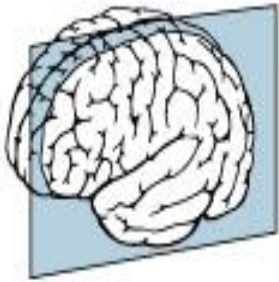
**Projection
fibers**



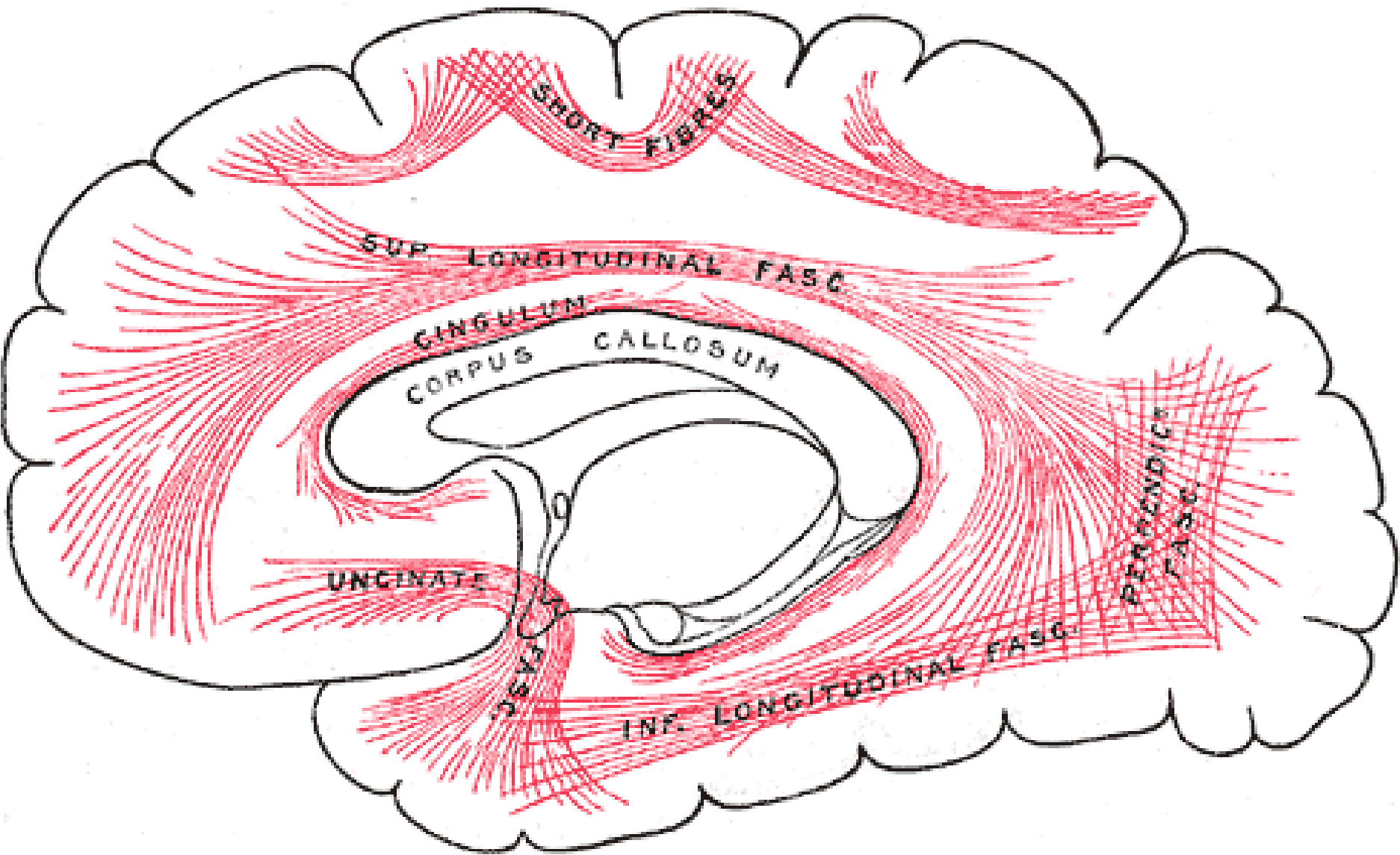


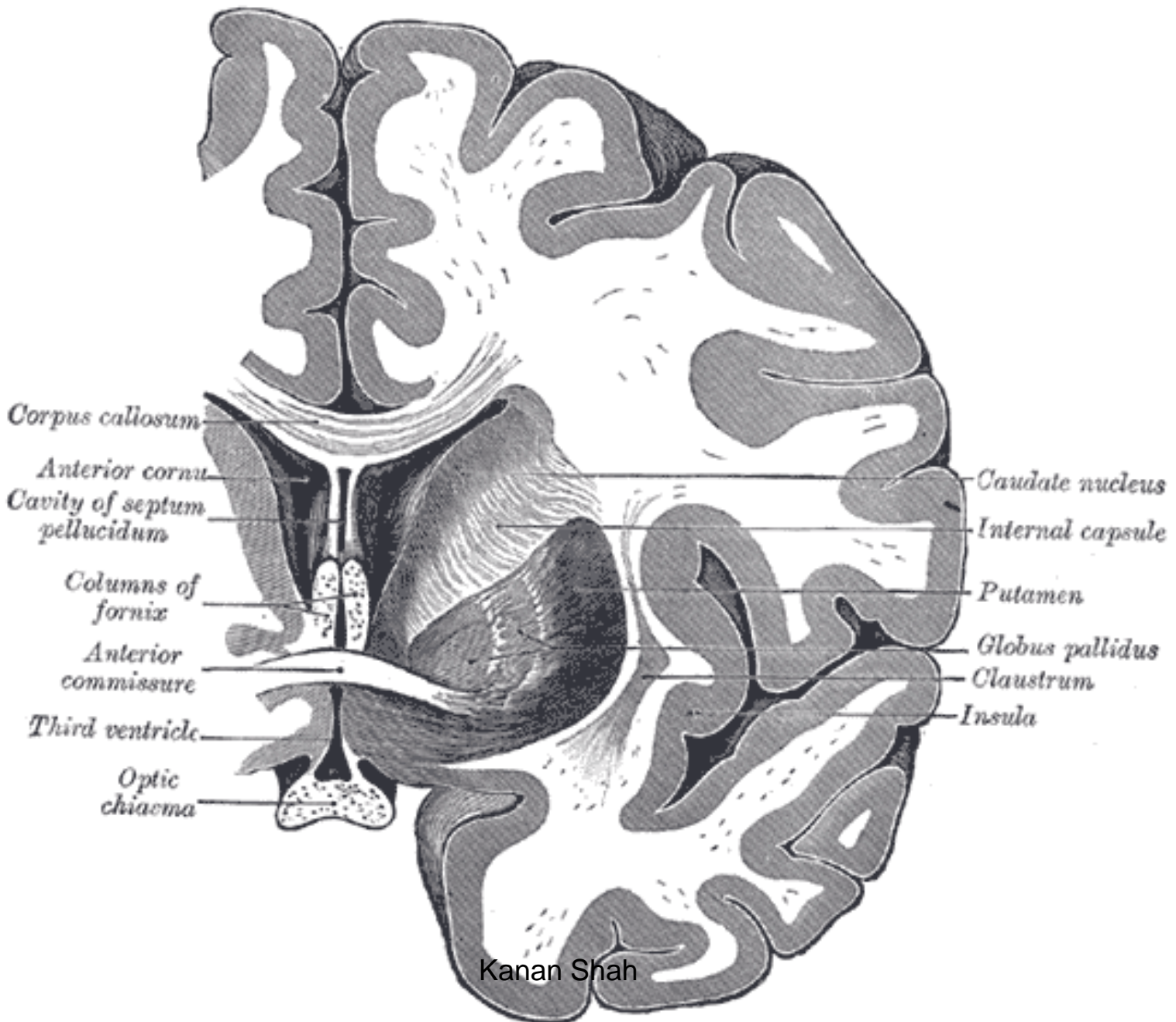
(b)

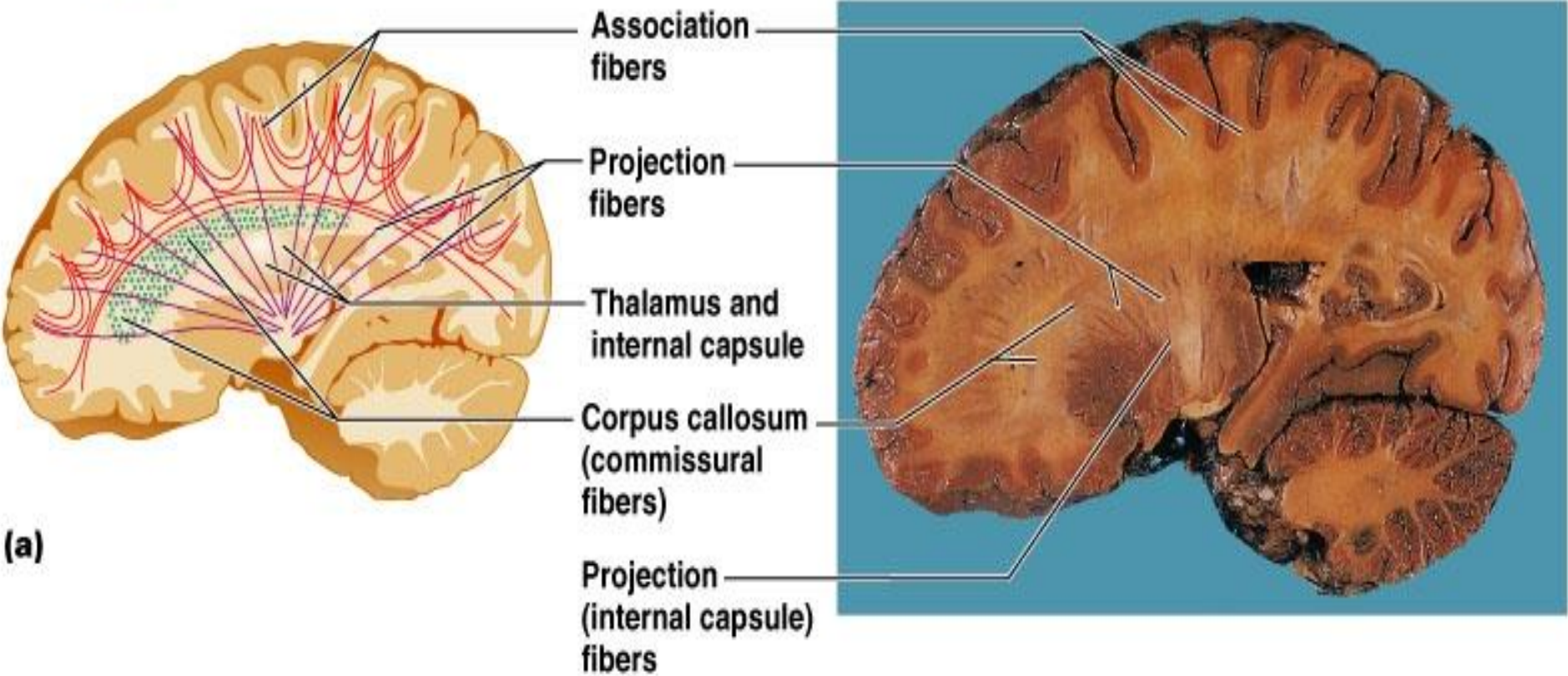
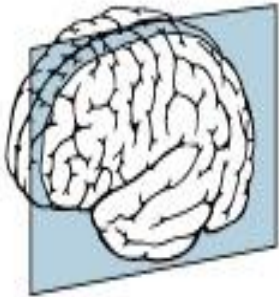
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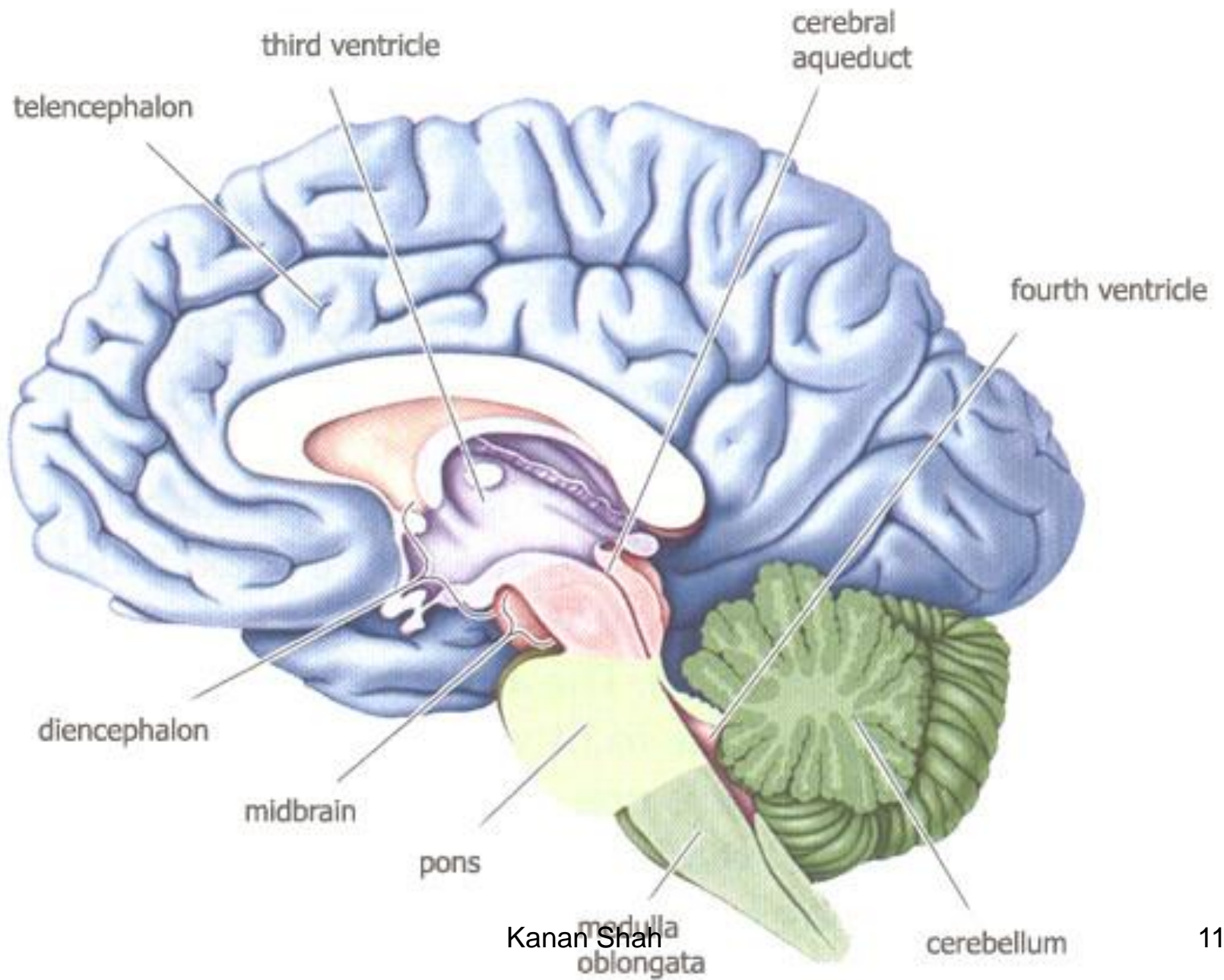
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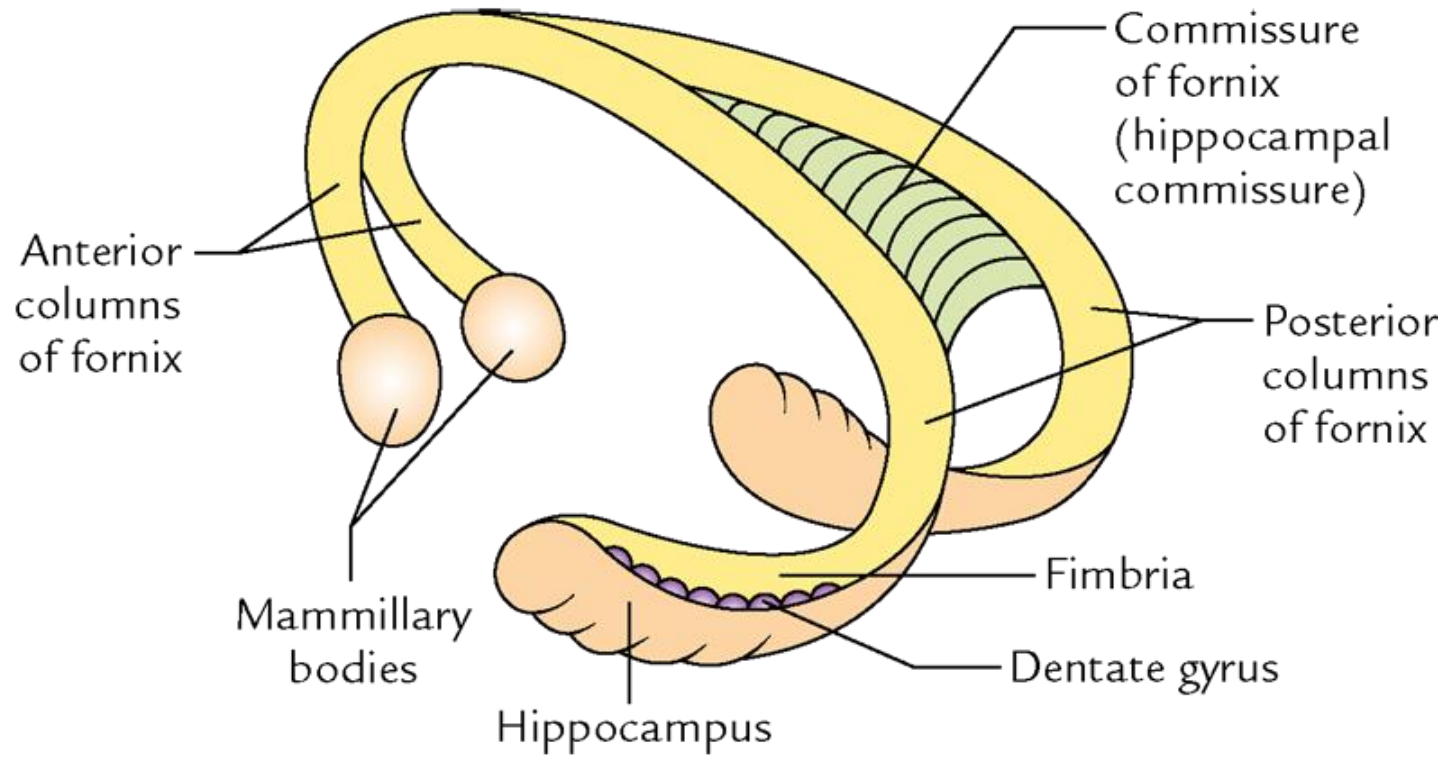


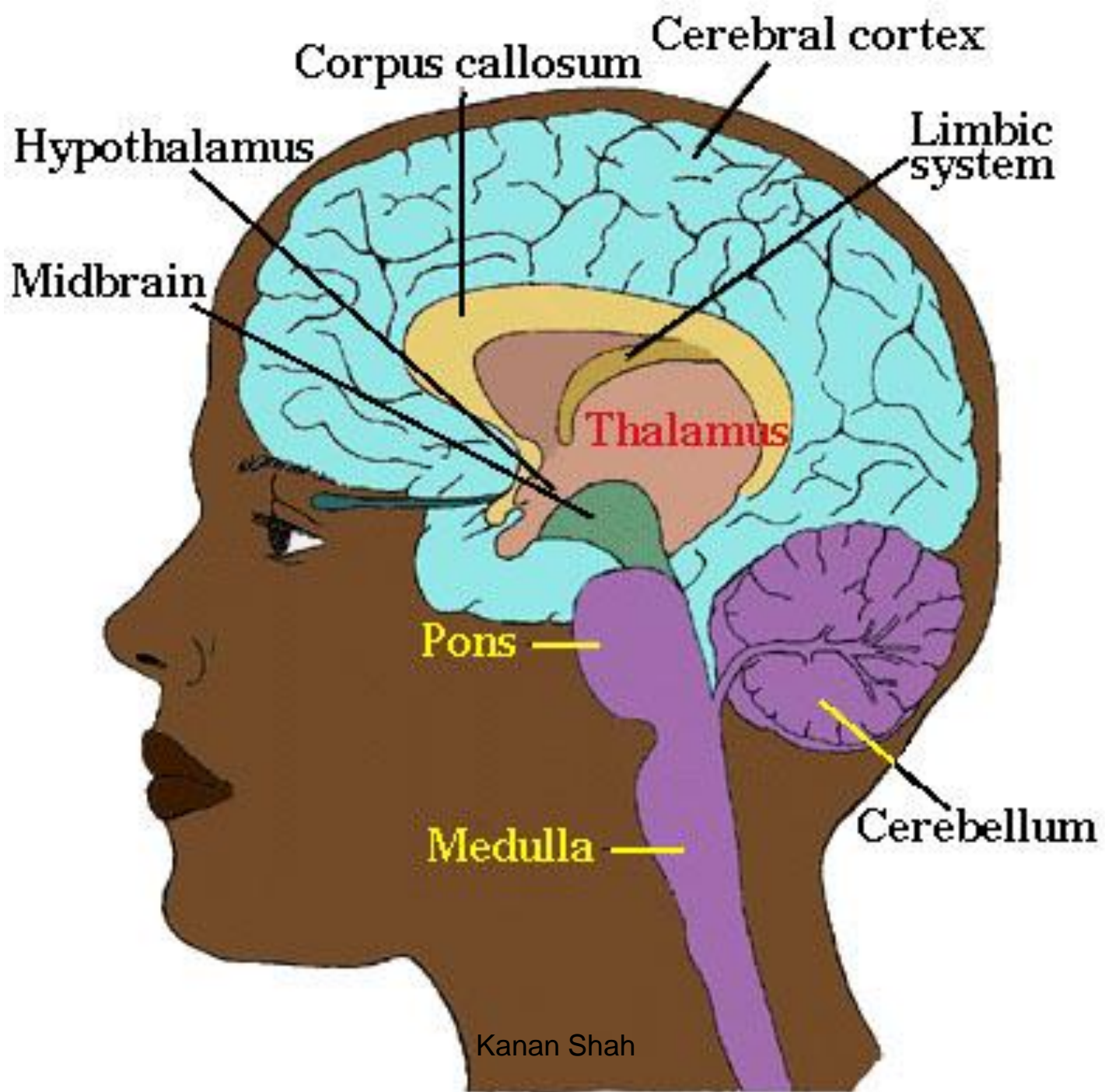




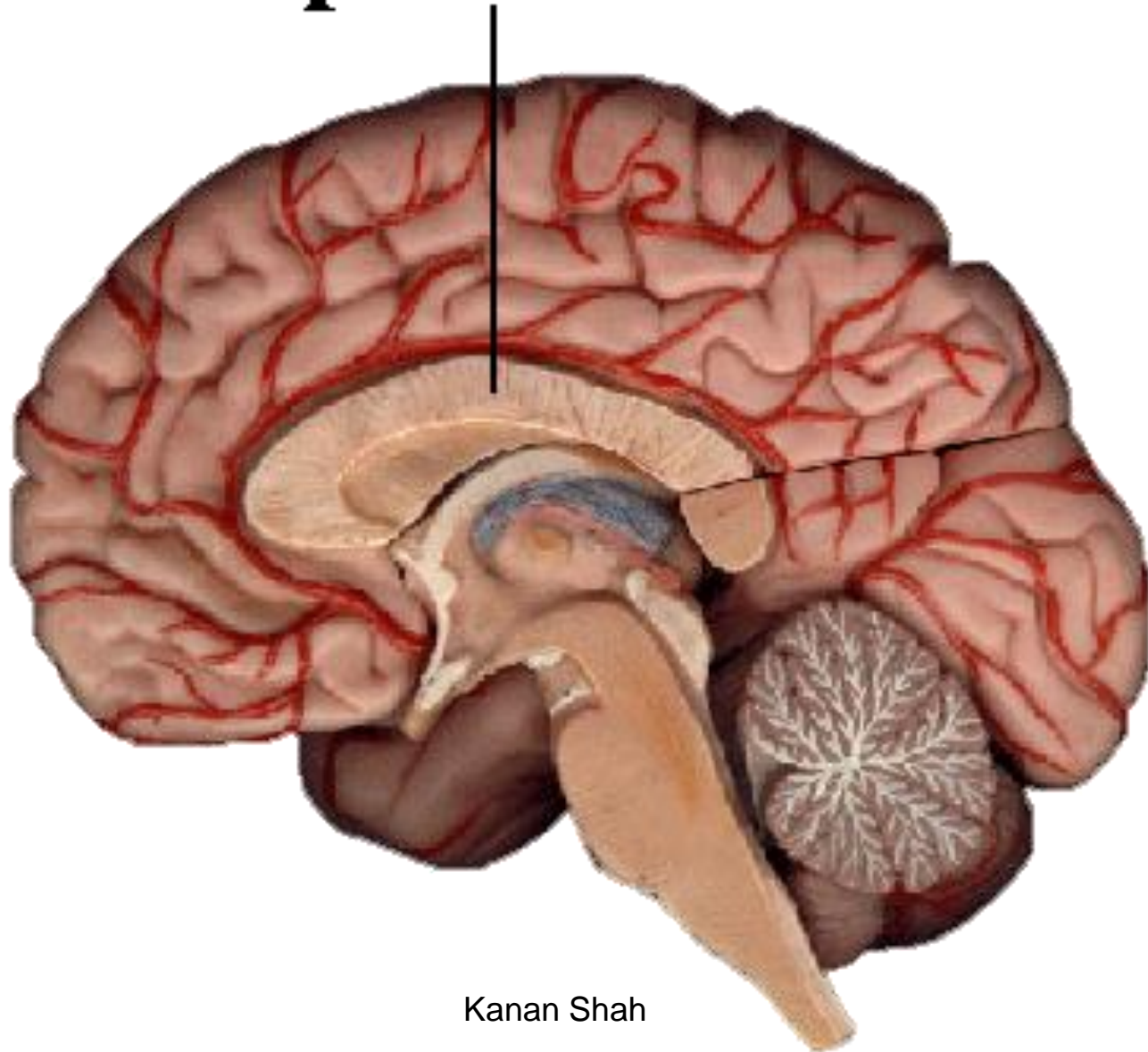
Commissural Fibres

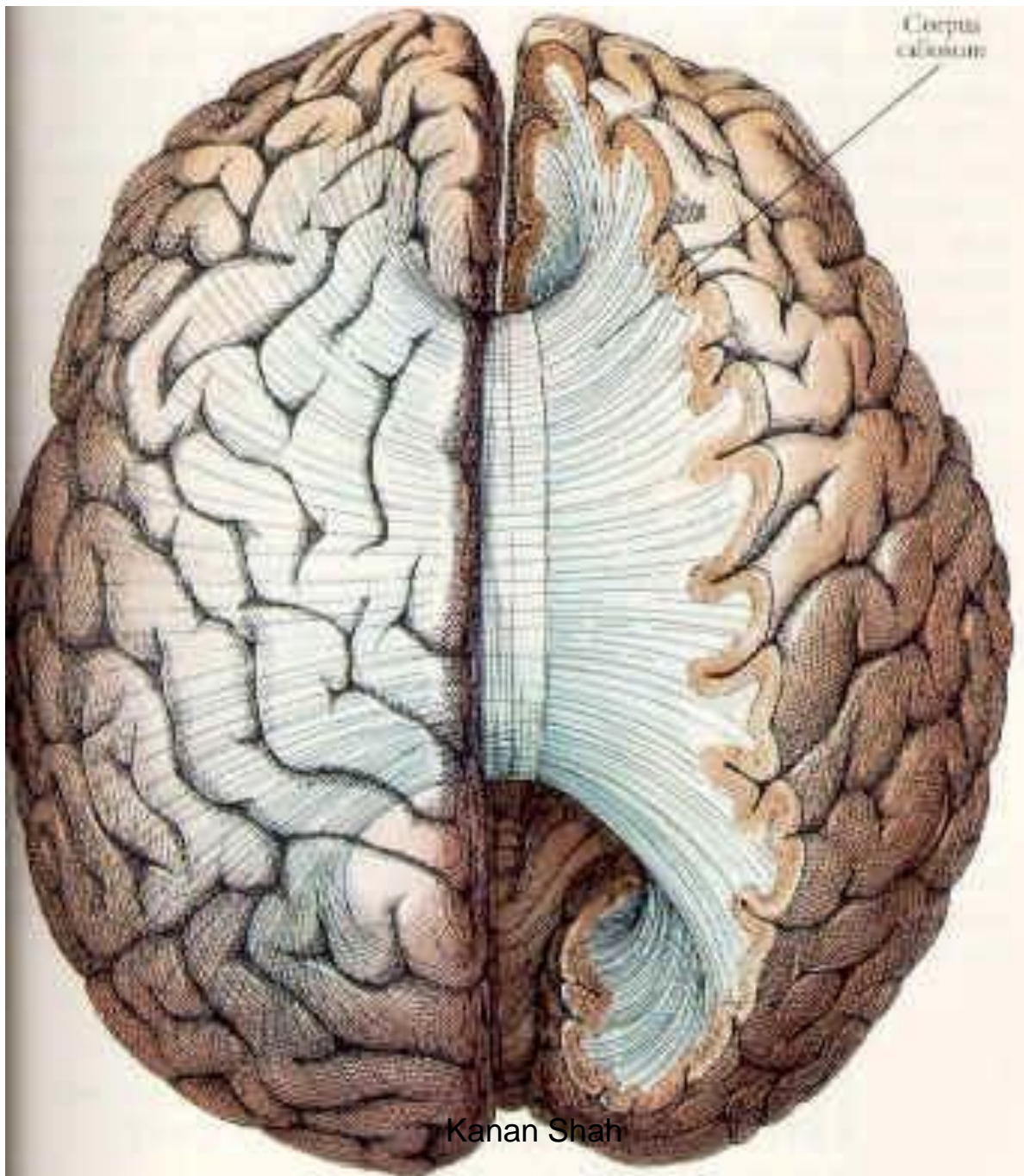


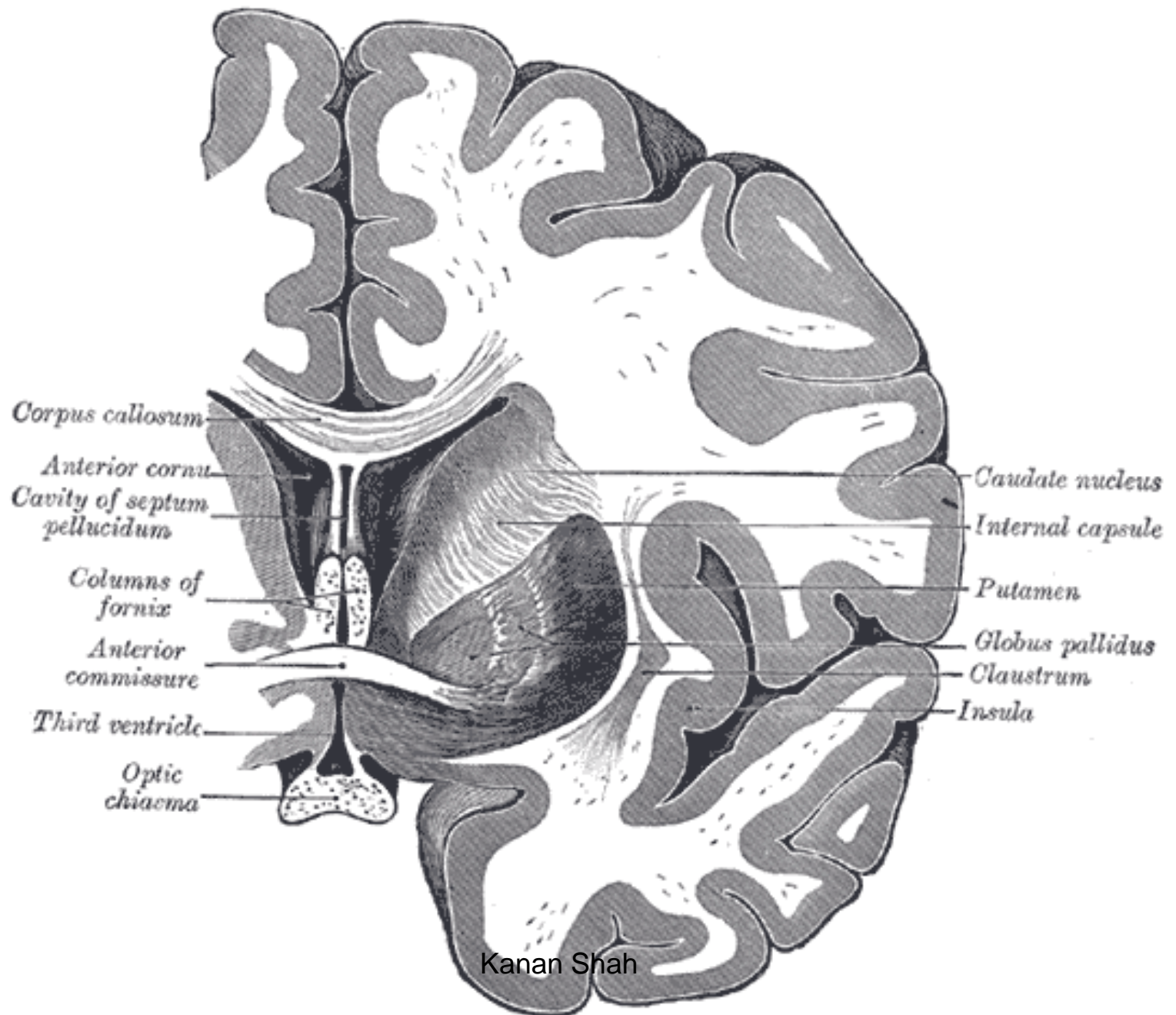




Corpus Callosum

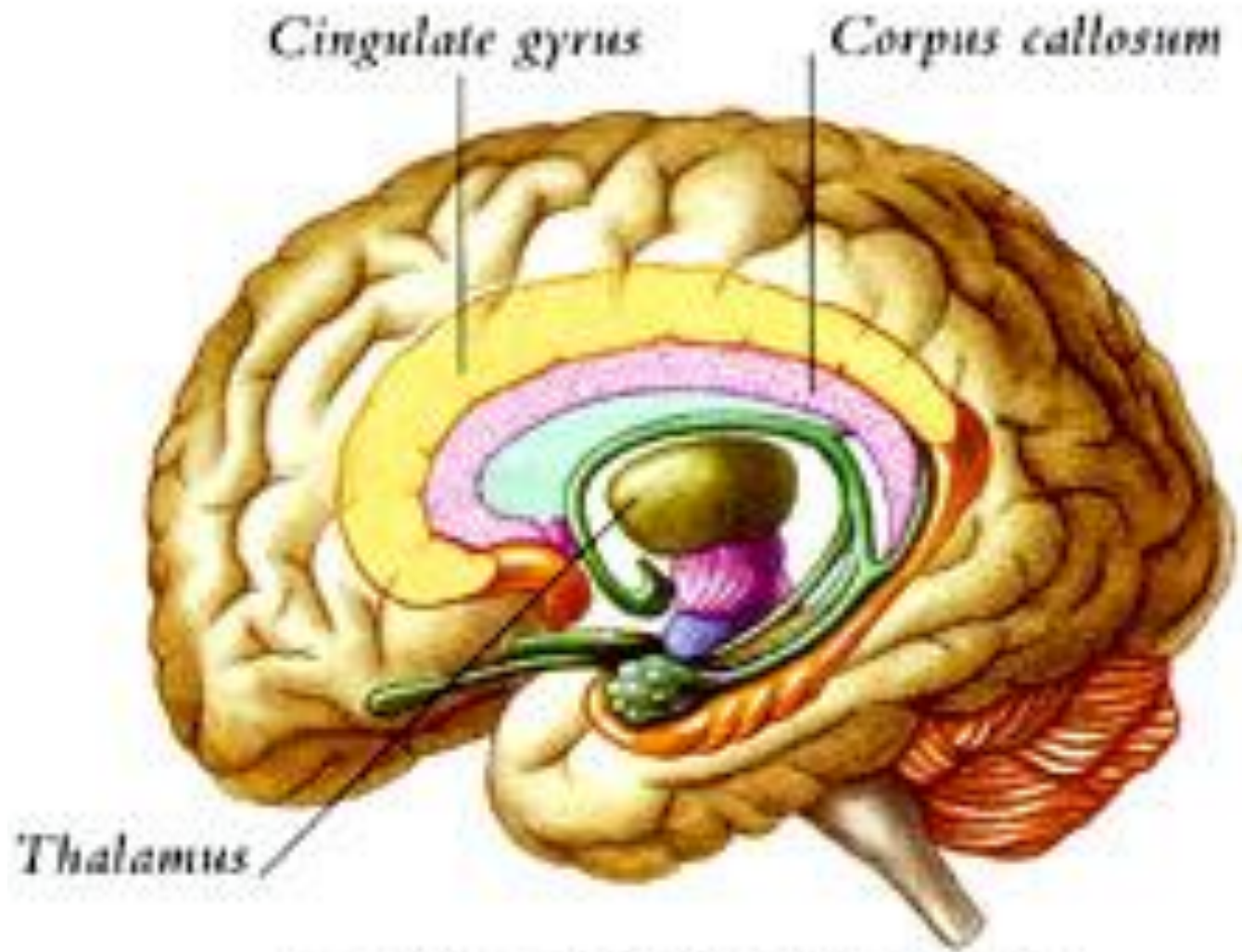




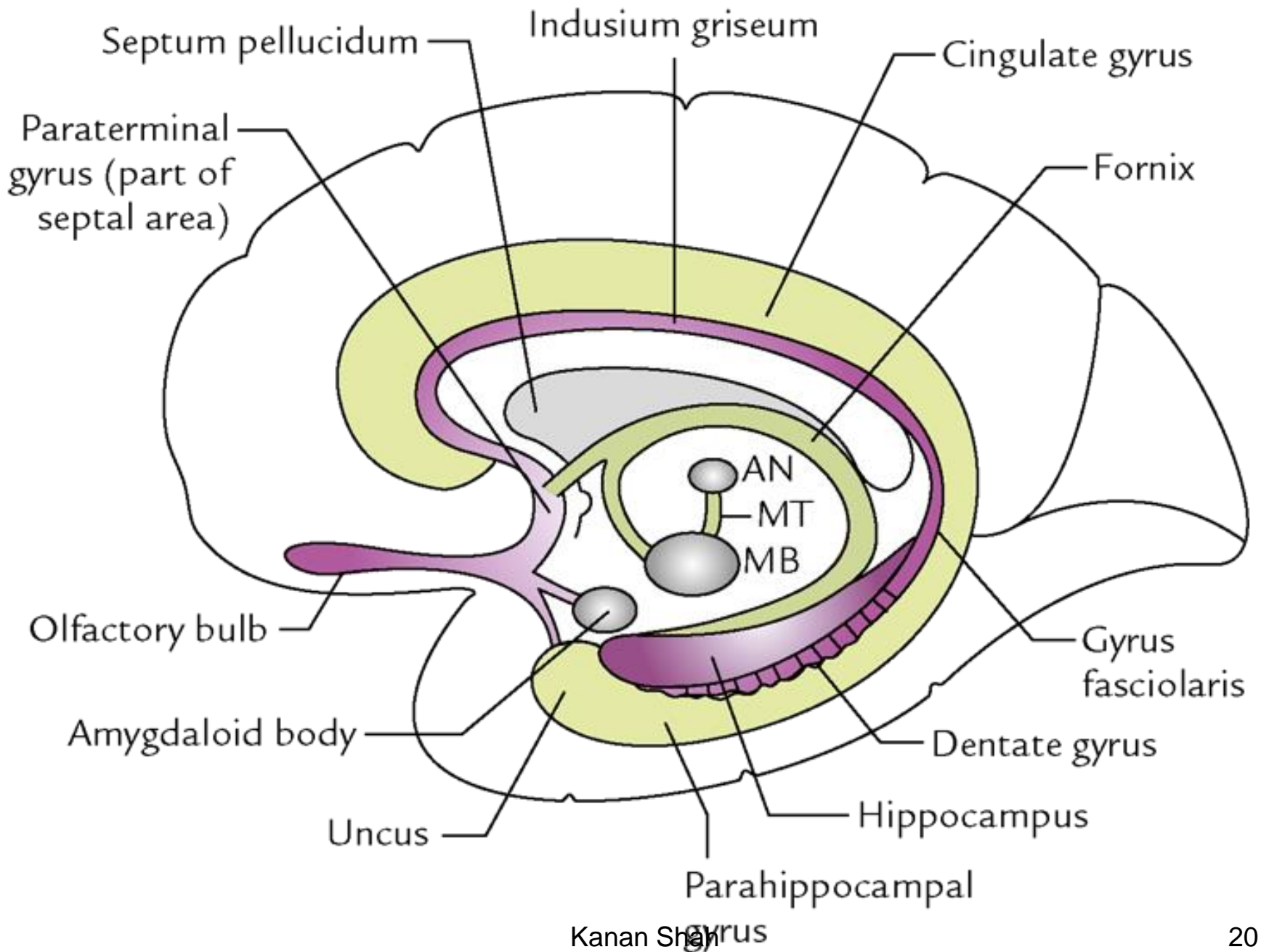


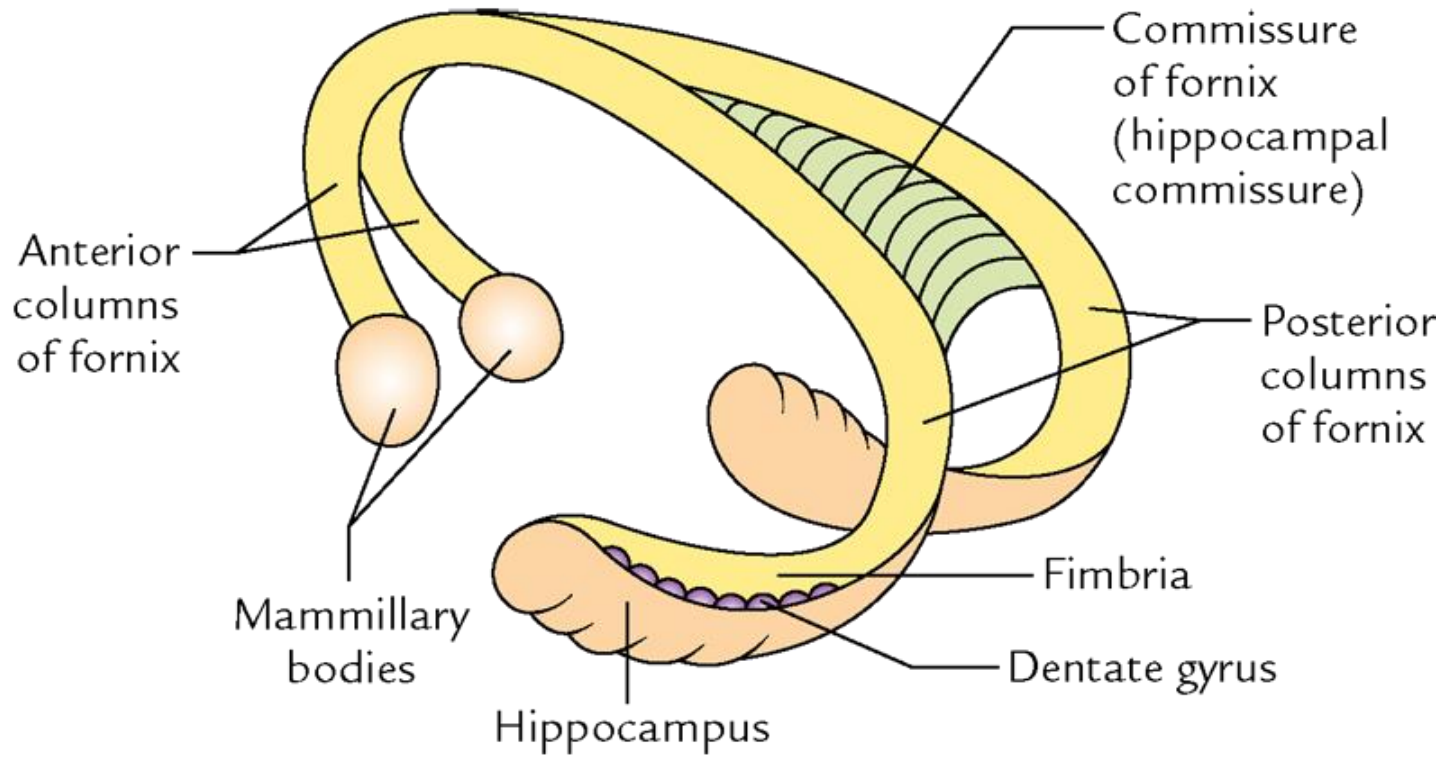
Projection Fibers

- Allocortex----- Fornix
Fimbria
- Neocortex-----Internal capsule
Corona radiata

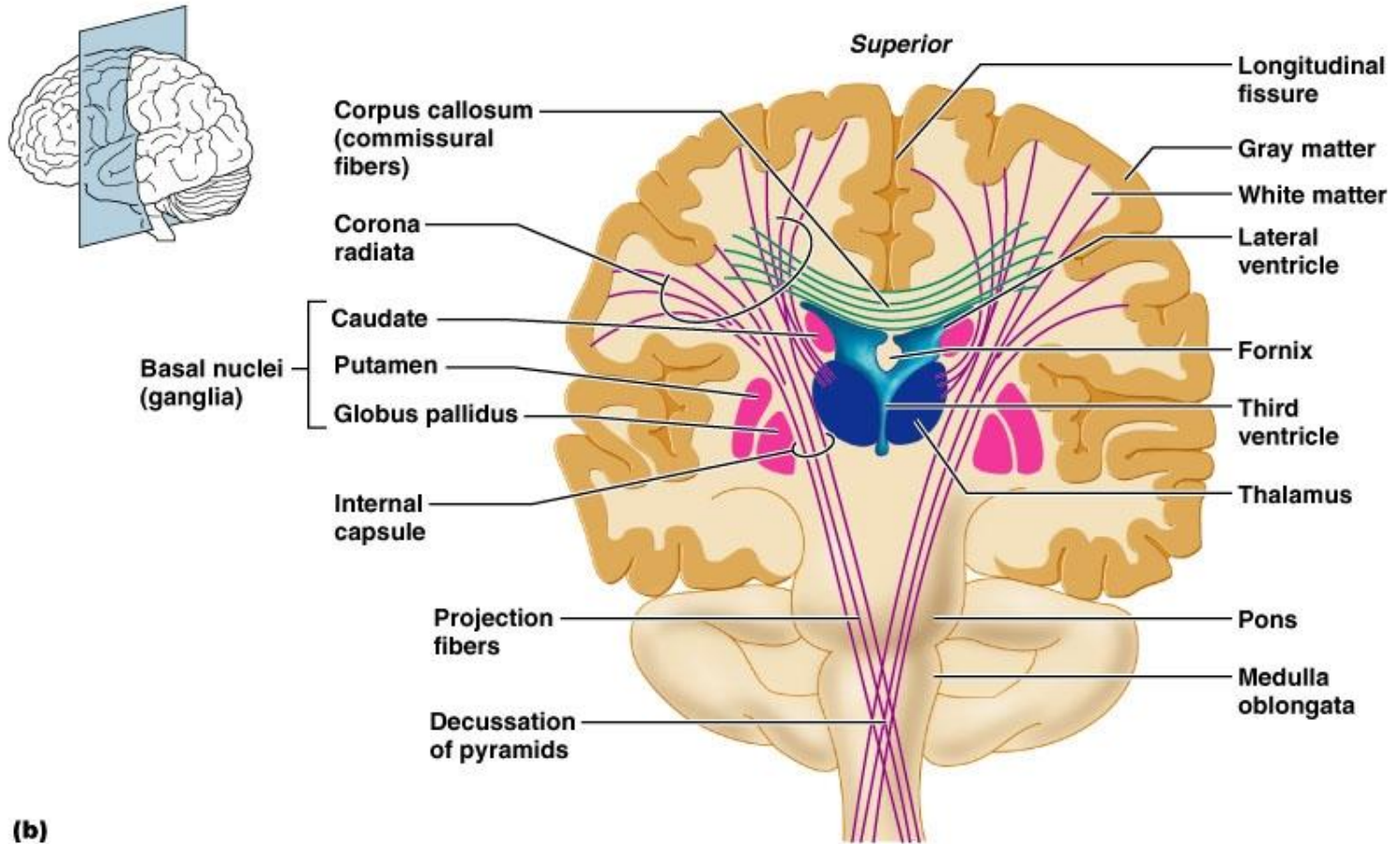


Location of the limbic system



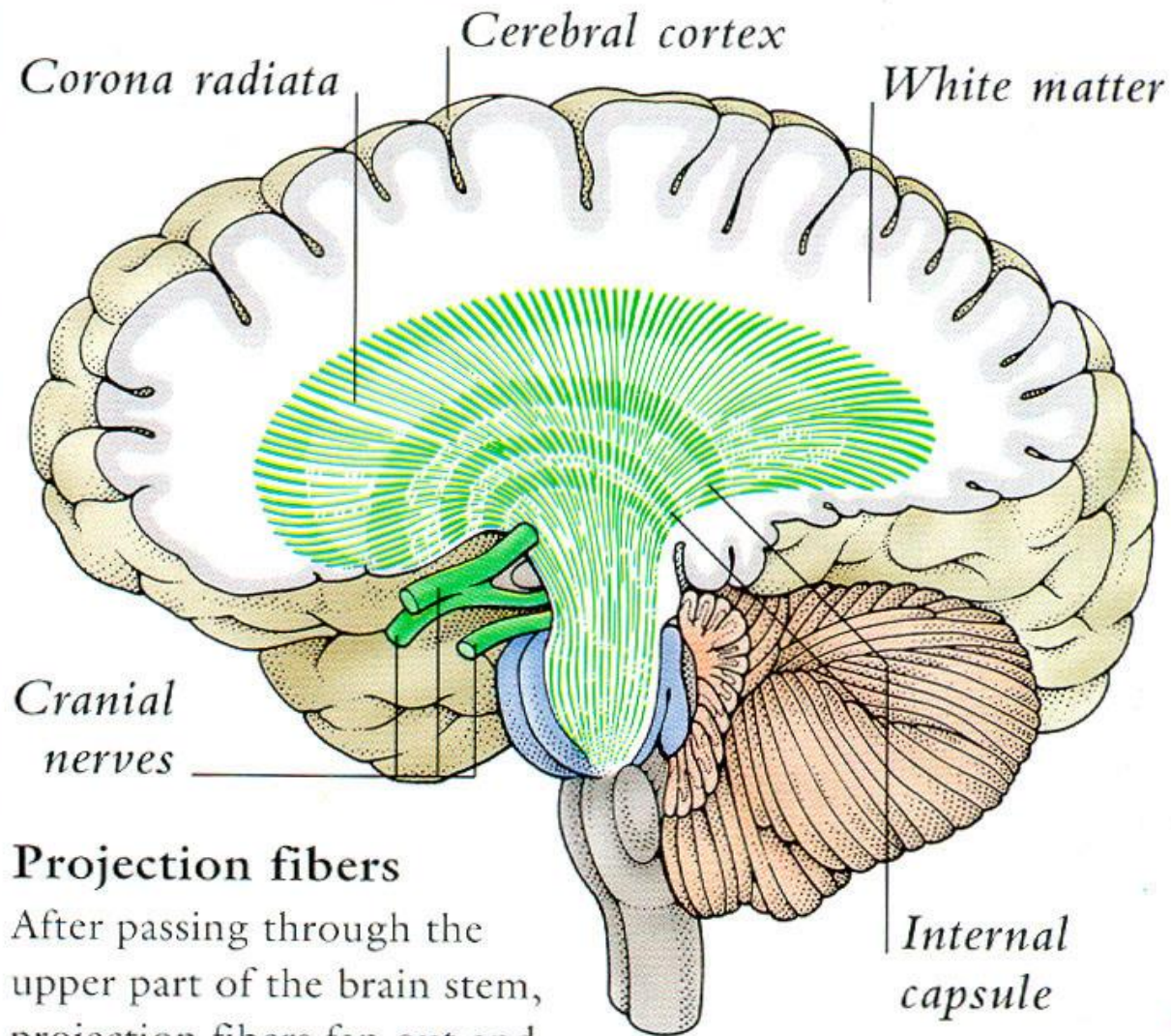


INTERNAL CAPSULE



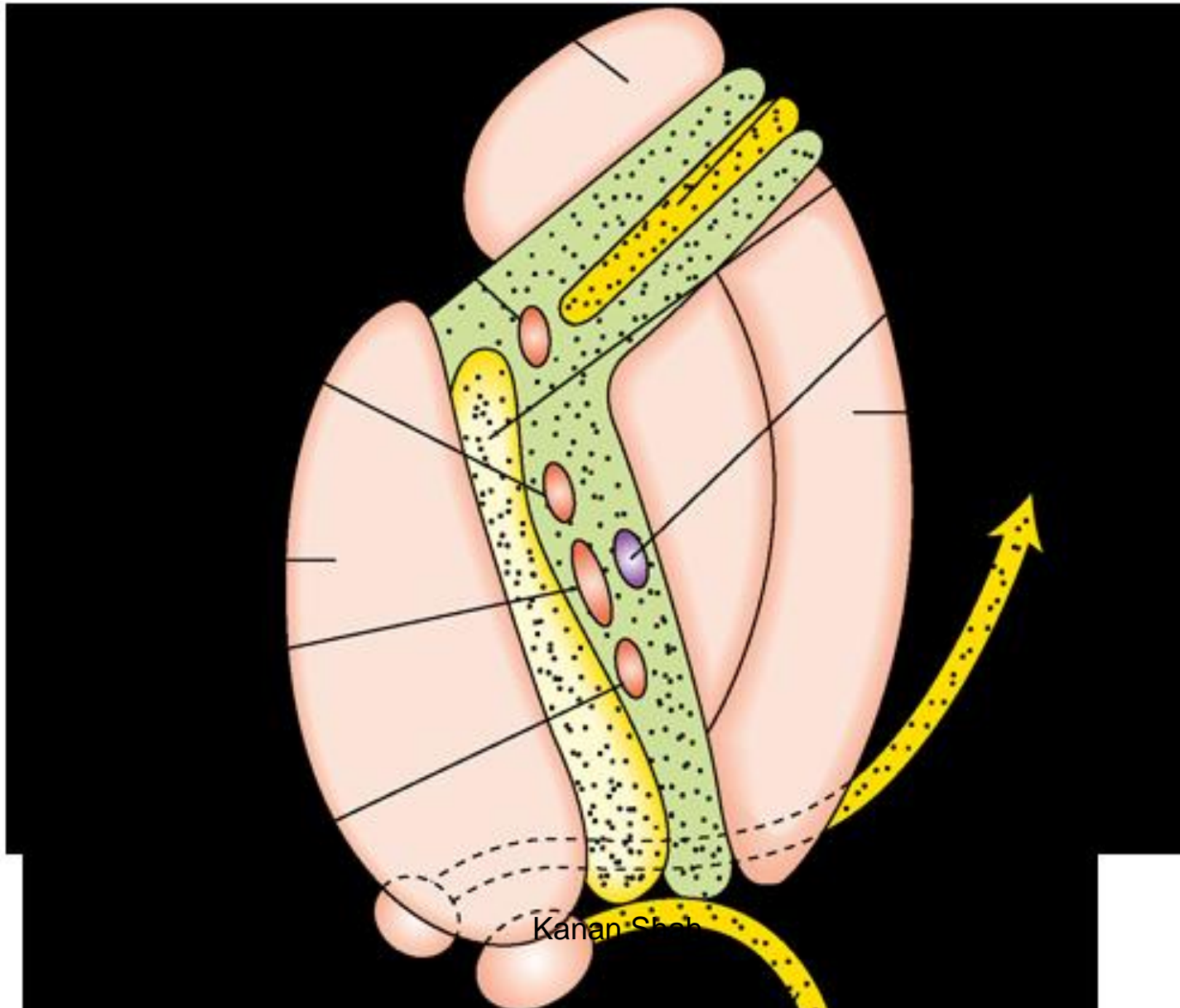
(b)

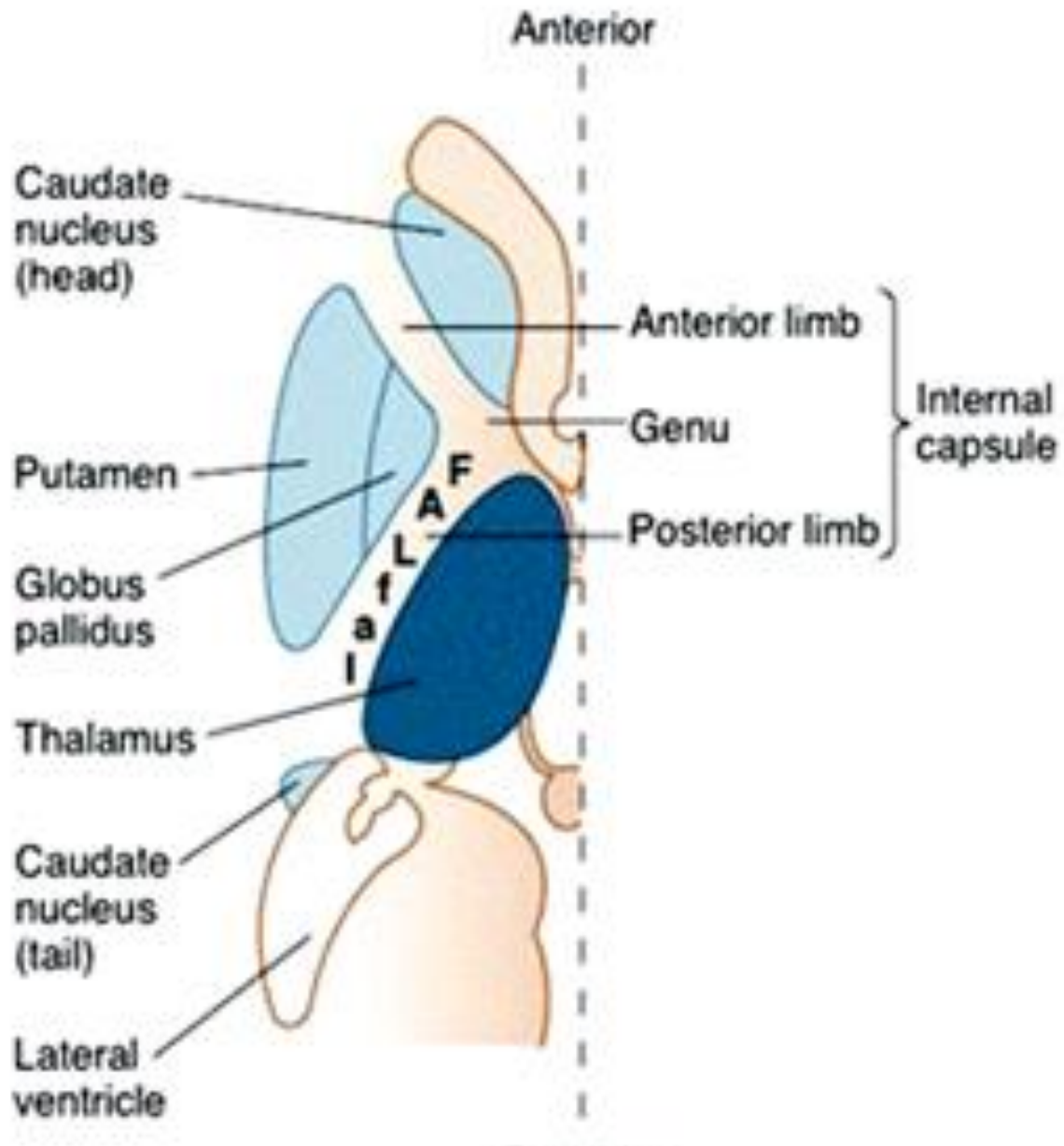
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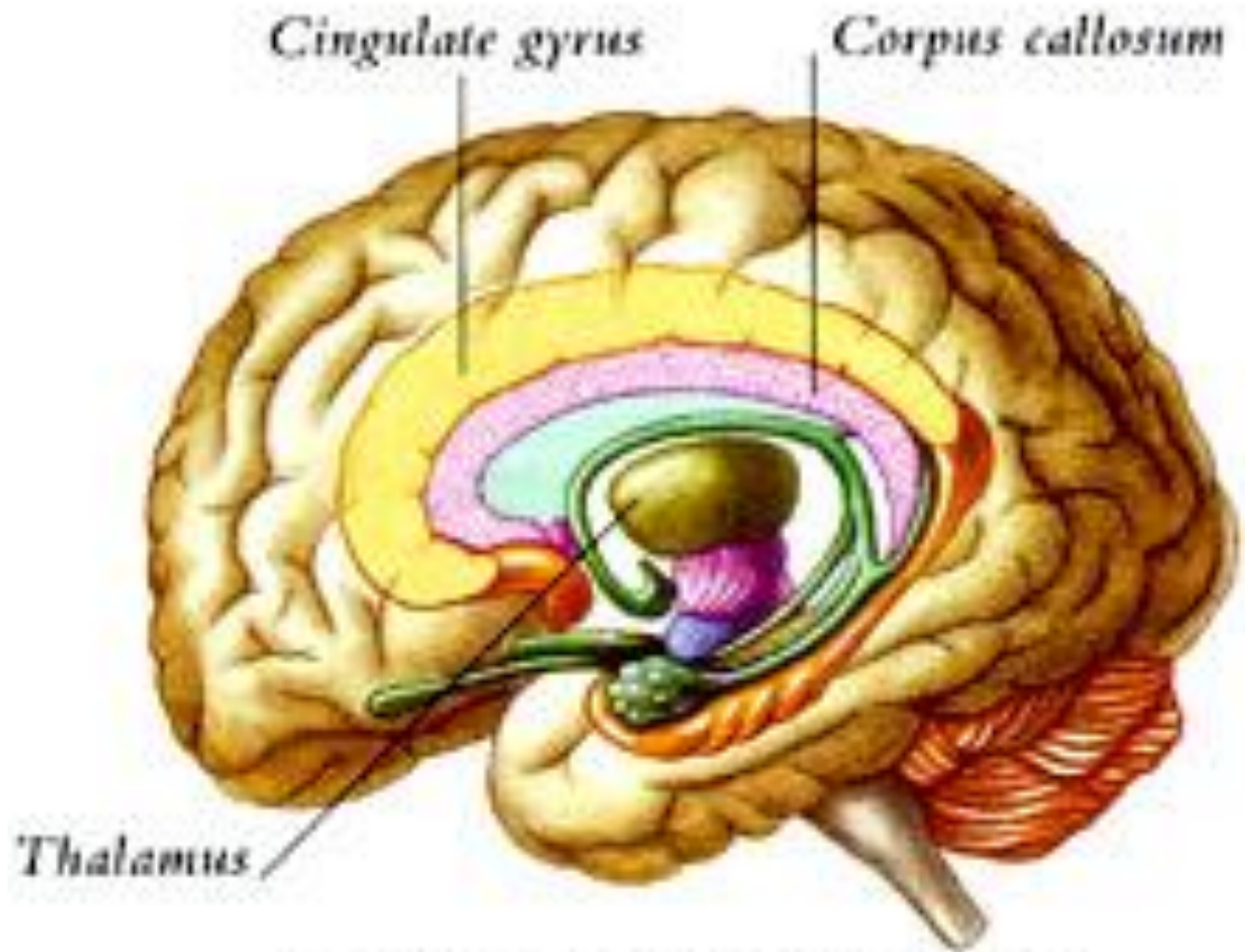


Projection fibers

After passing through the upper part of the brain stem, projection fibers fan out and extend to the cerebral cortex, forming the corona radiata.

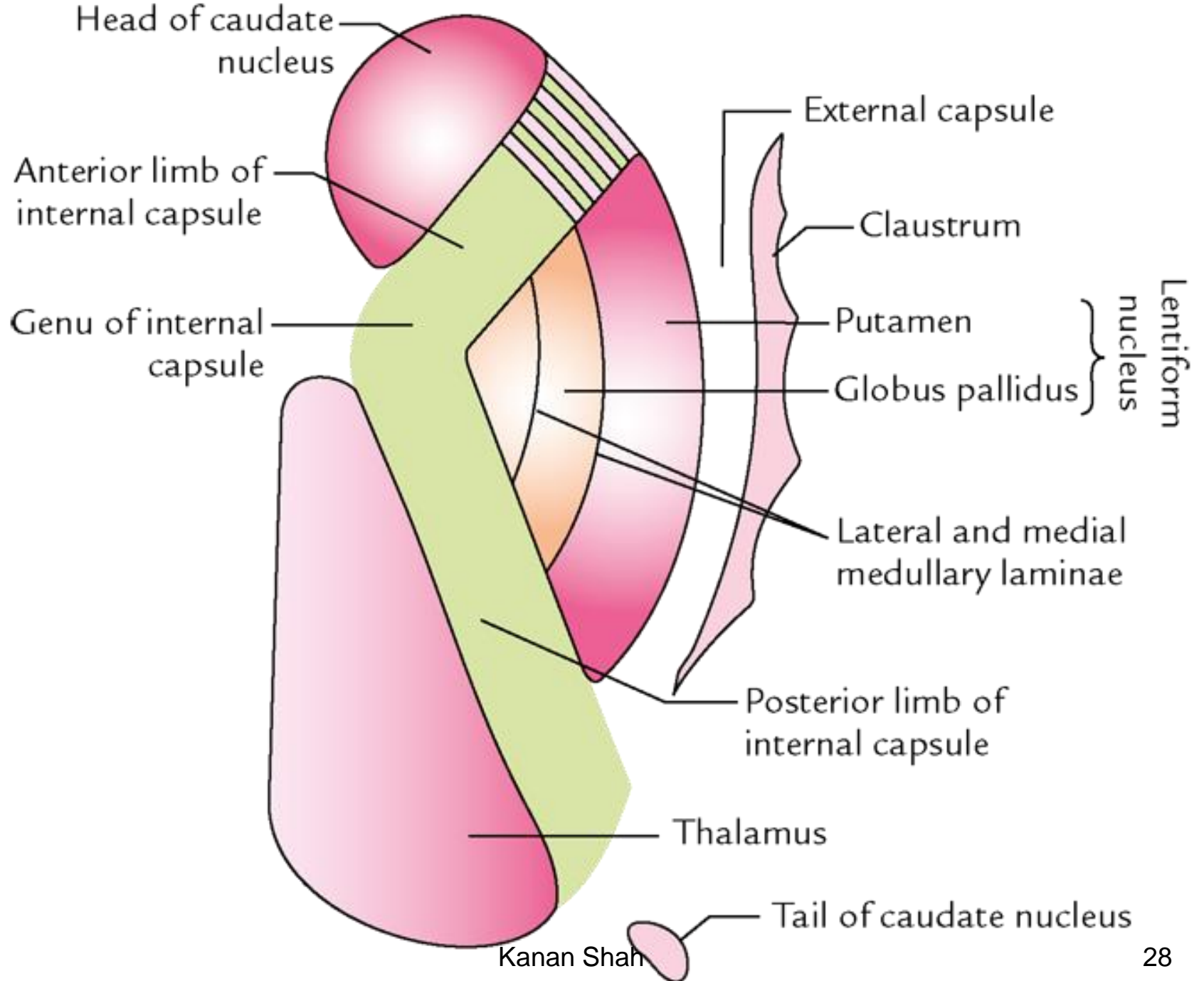


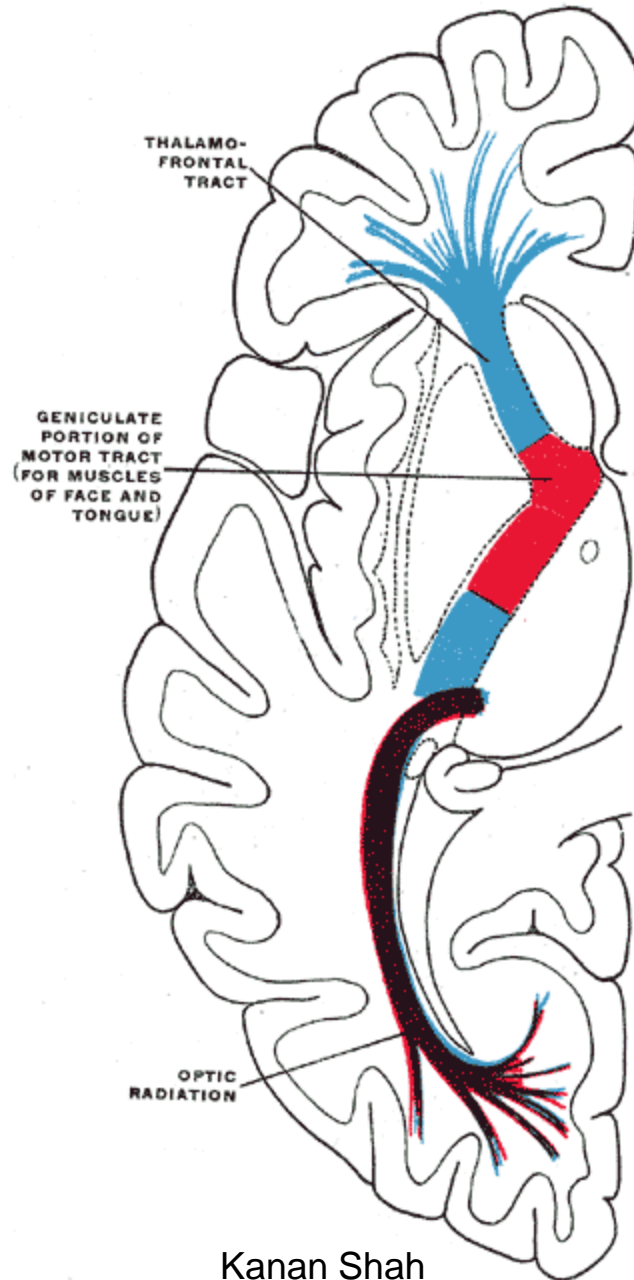


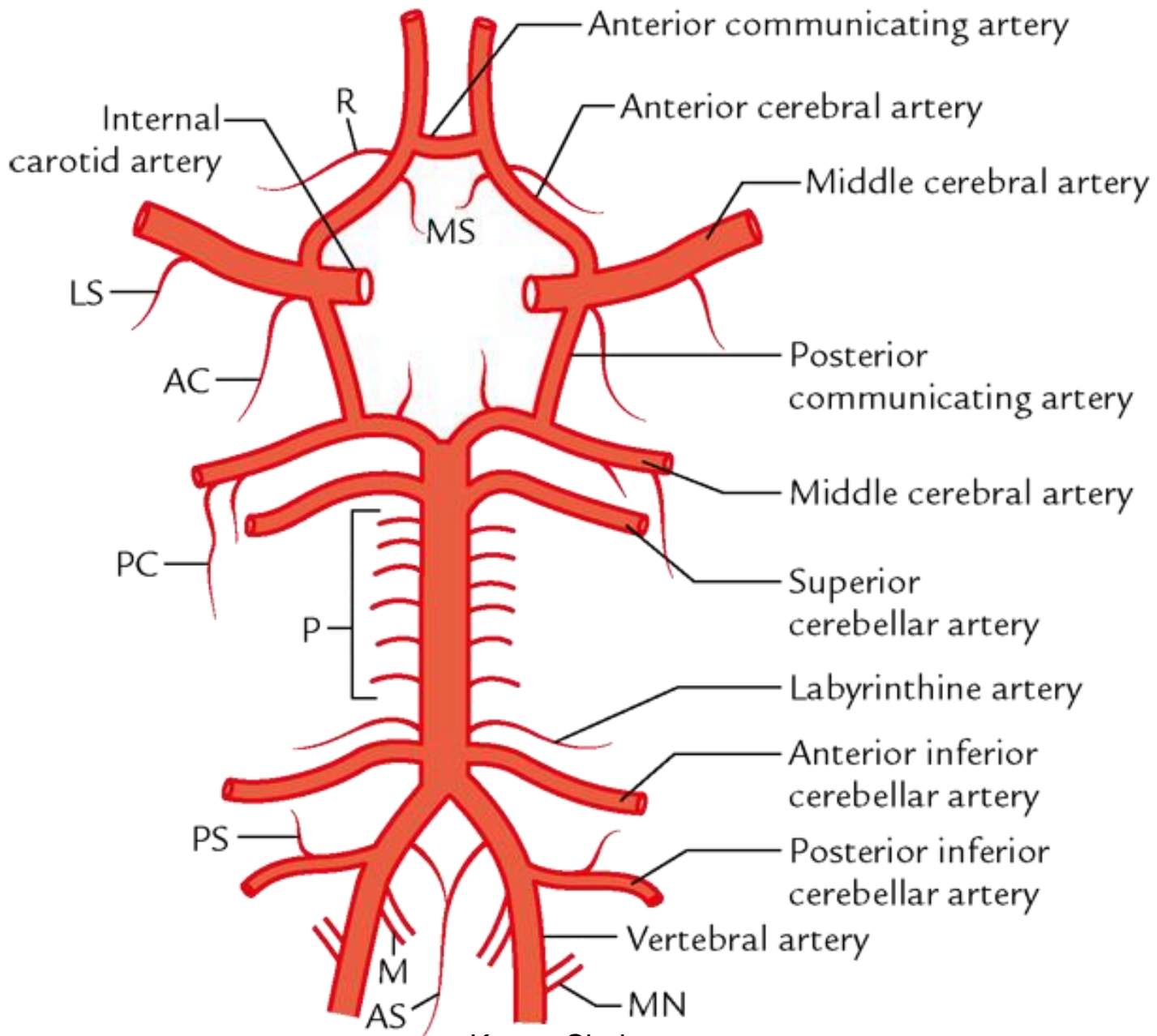


Location of the limbic system

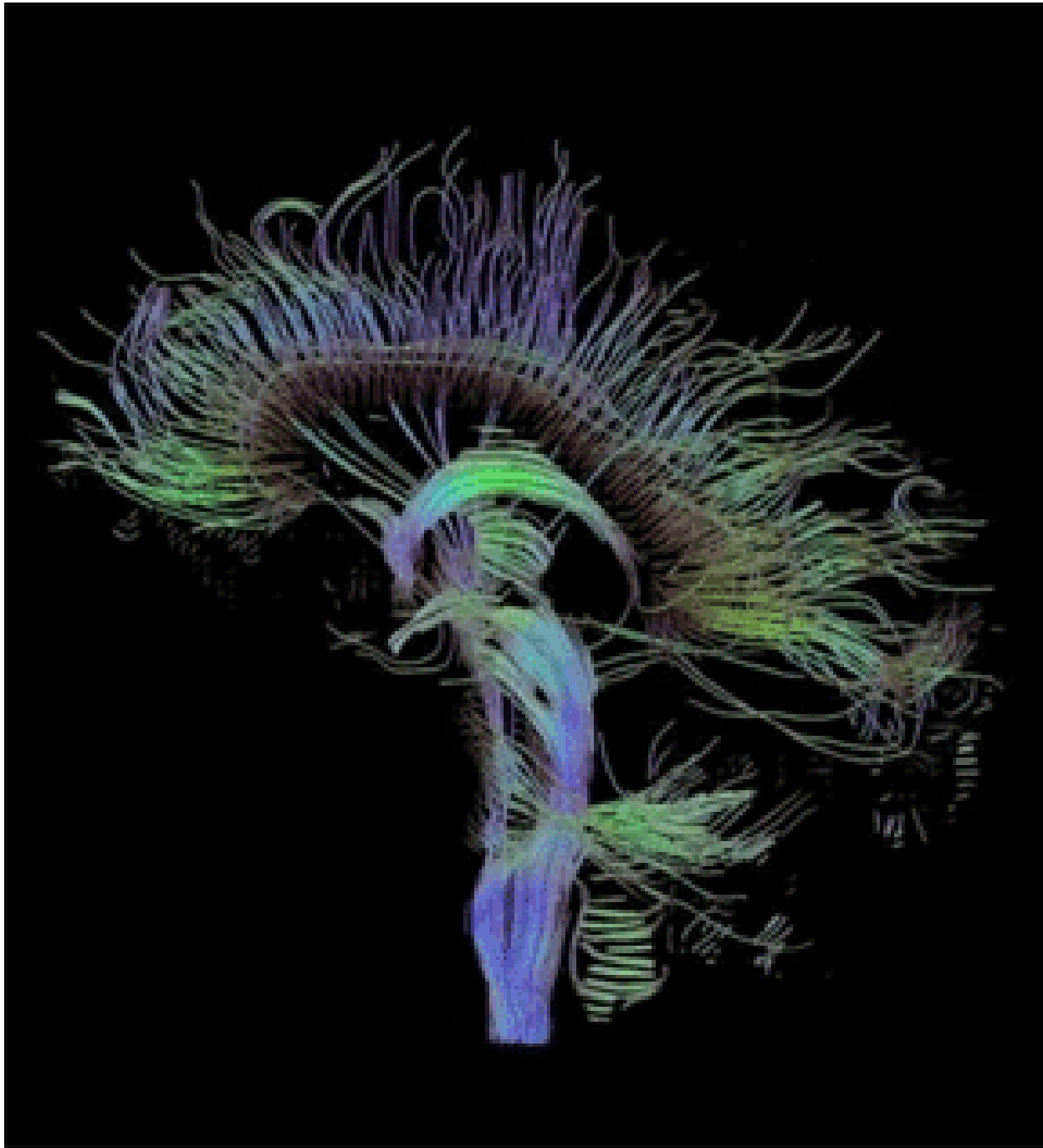
	Descending fibres			Ascending fibres
ANTERIOR LIMB		Fronto-thalamic	Fronto-pontine	Thalamofrontal
GENU	Cortico-nuclear fibers		Fronto-pontine	Thalamo parietal
POSTERIOR LIMB	Cortico-spinal fibers	Cortico rubral	Parito thalamic Cortico-reticular	Other Thalamo parietal Sub thalamic fasciculus
RETRO-LENTIFORM PART	Cortico tectal	Occipito-pontine Occipito thalamic	Parito pontine	Optic radiation Thalamo parietal
SUB-LENTIFORM	Temporo pontine	Temporo-thalamic		Acoustic radiation ₂₇ Thalamo temporal







Kanan Shah



Aknowledgement

- Essentials of Head,Neck & Brain
AsimKumar Dutta
- Human Anatomy –B D Chaurasia