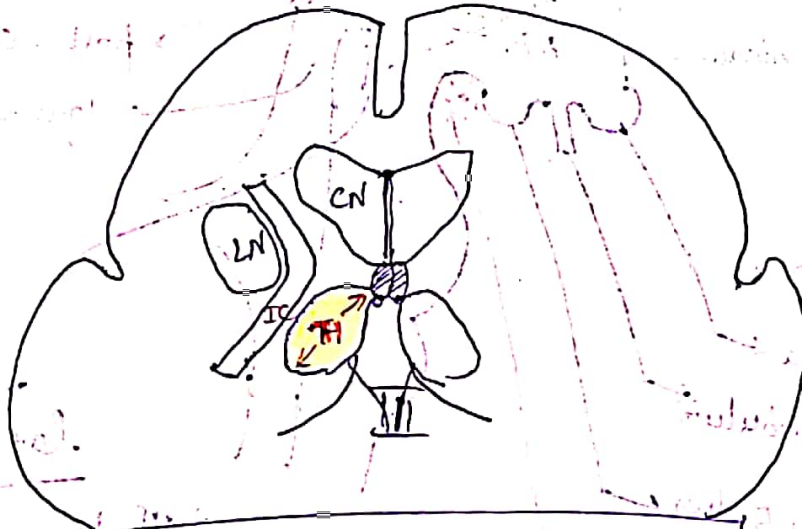


* Thalamus separated from MB by a neural tissue called SUBTHALAMUS.

* Thalamus is a part of Diencephalon

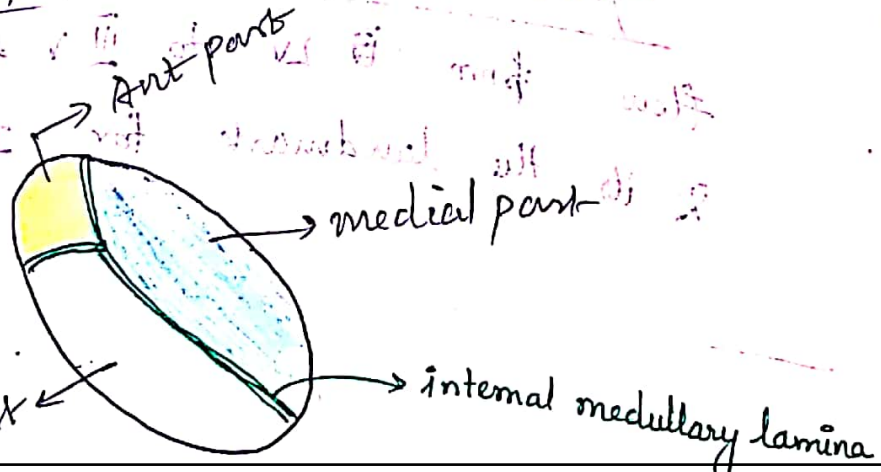
CORONAL SECⁿ



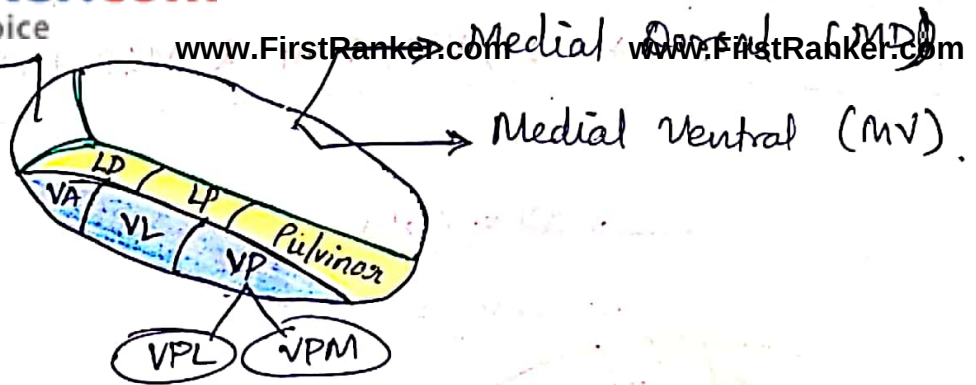
AXIS: Ant. end $\Rightarrow$ medially placed
post end $\Rightarrow$ lat. "

$\Downarrow$
useful for understanding the Nu. of Thalamus

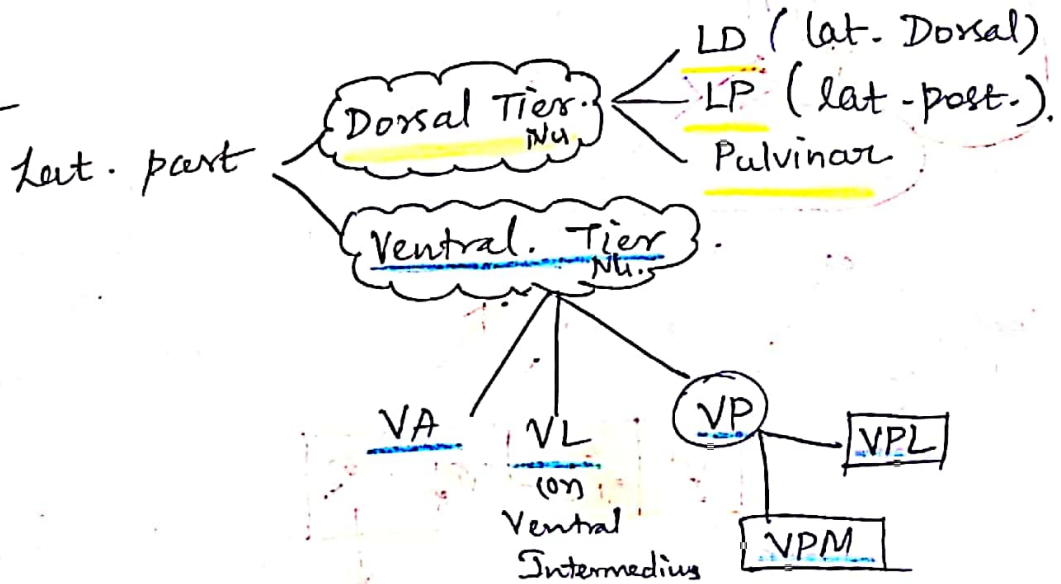
THALAMUS: parts:



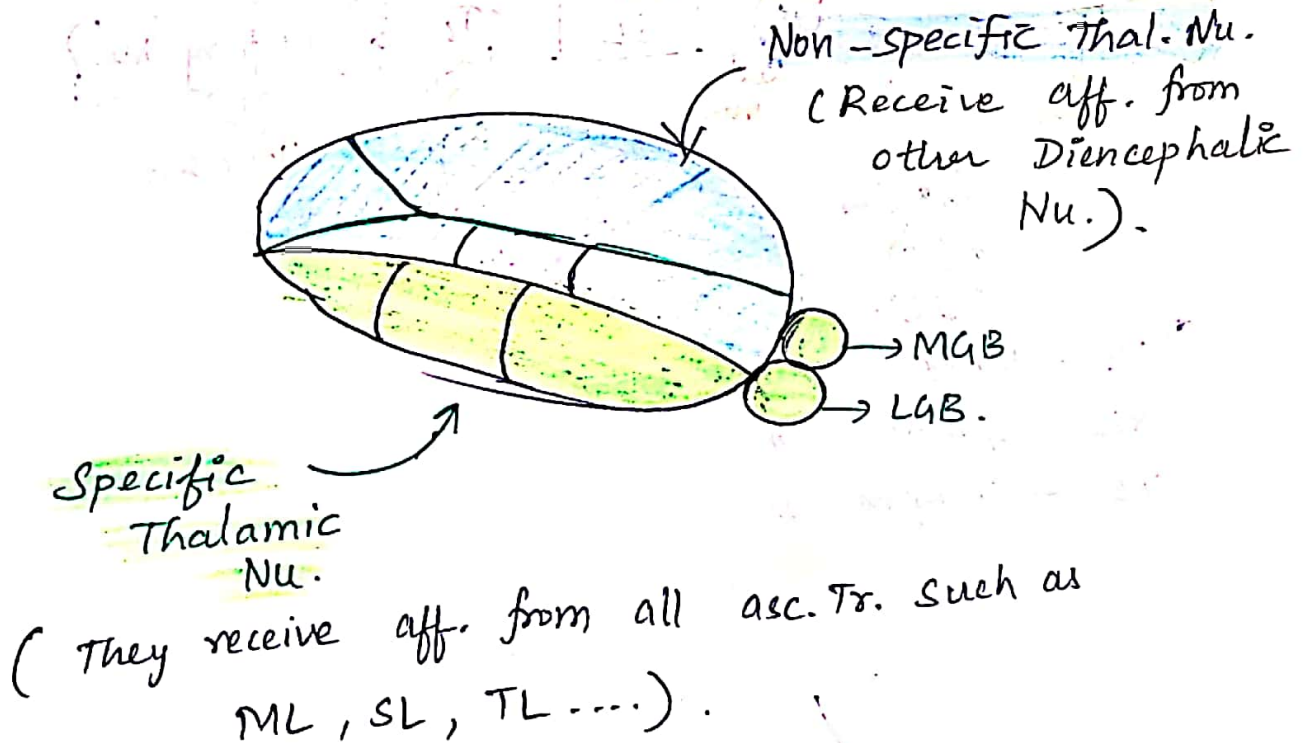
Ant. Nucleus

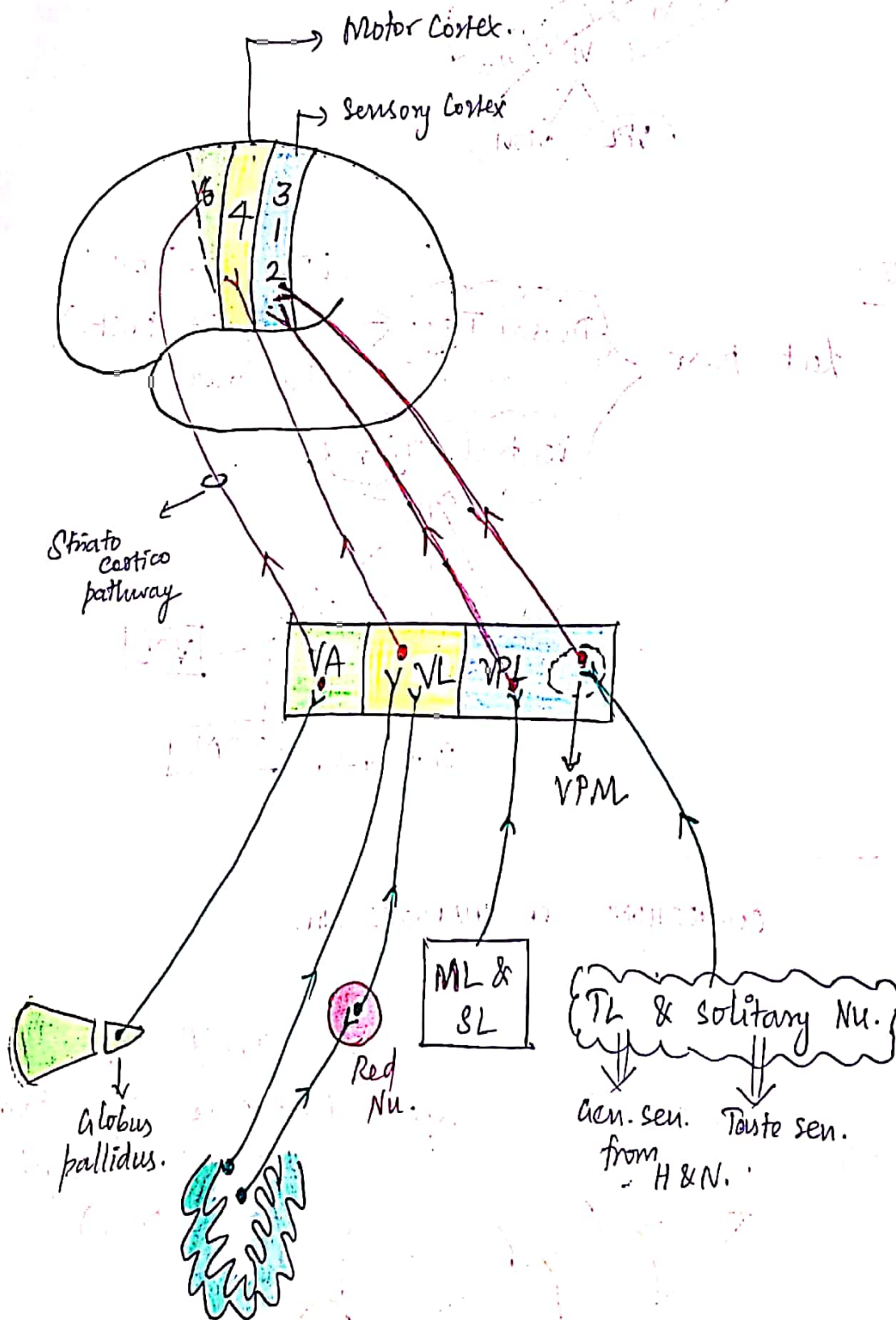


Note:

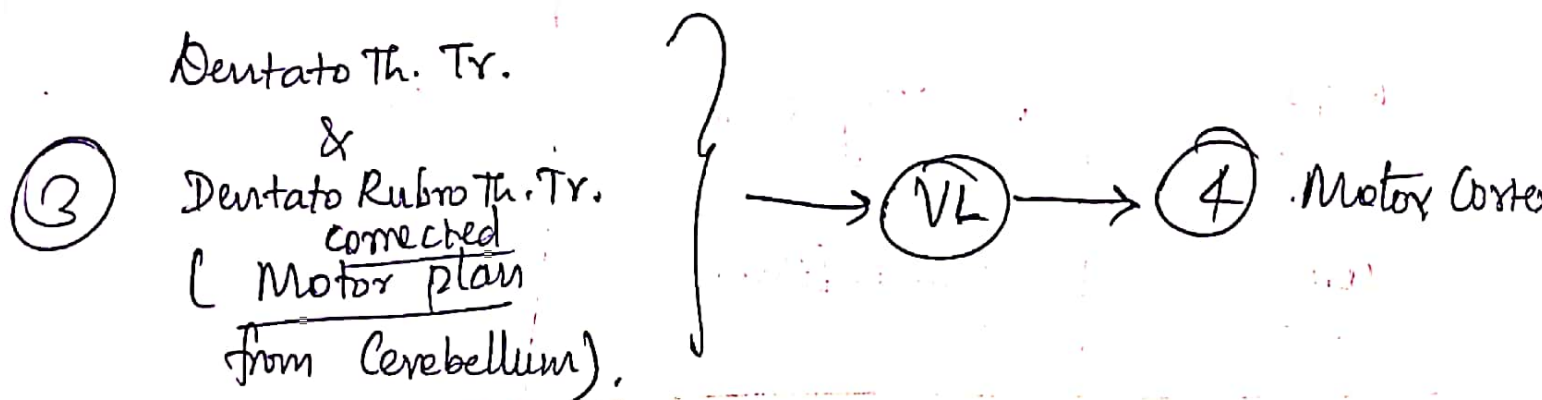
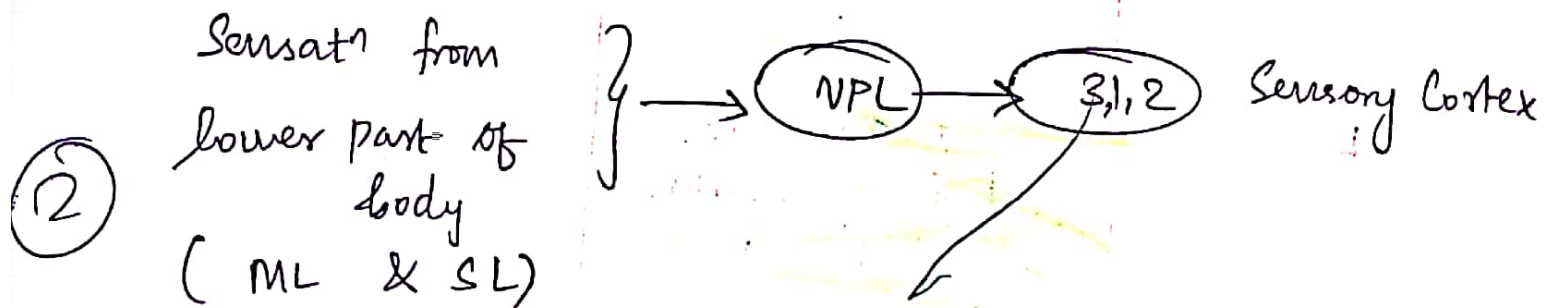
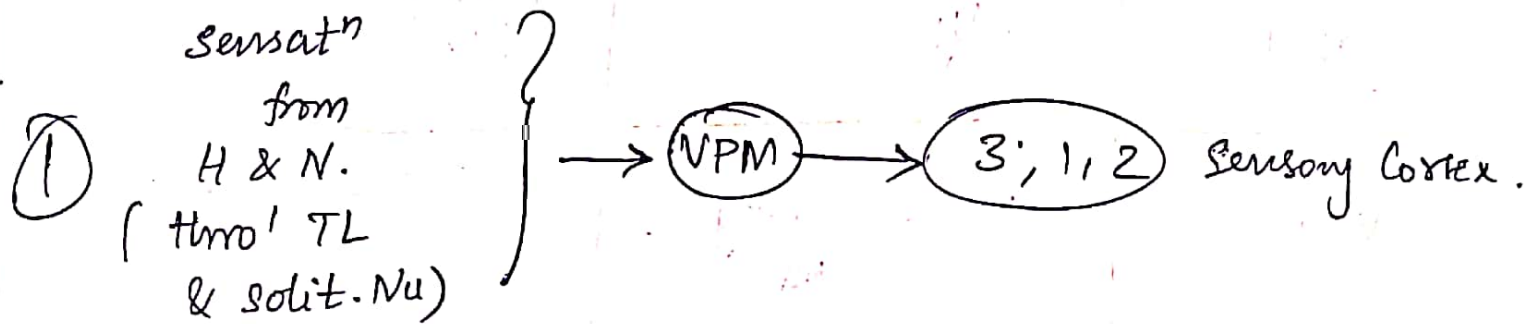


CONNECTIONS OF THALAMIC Nu.





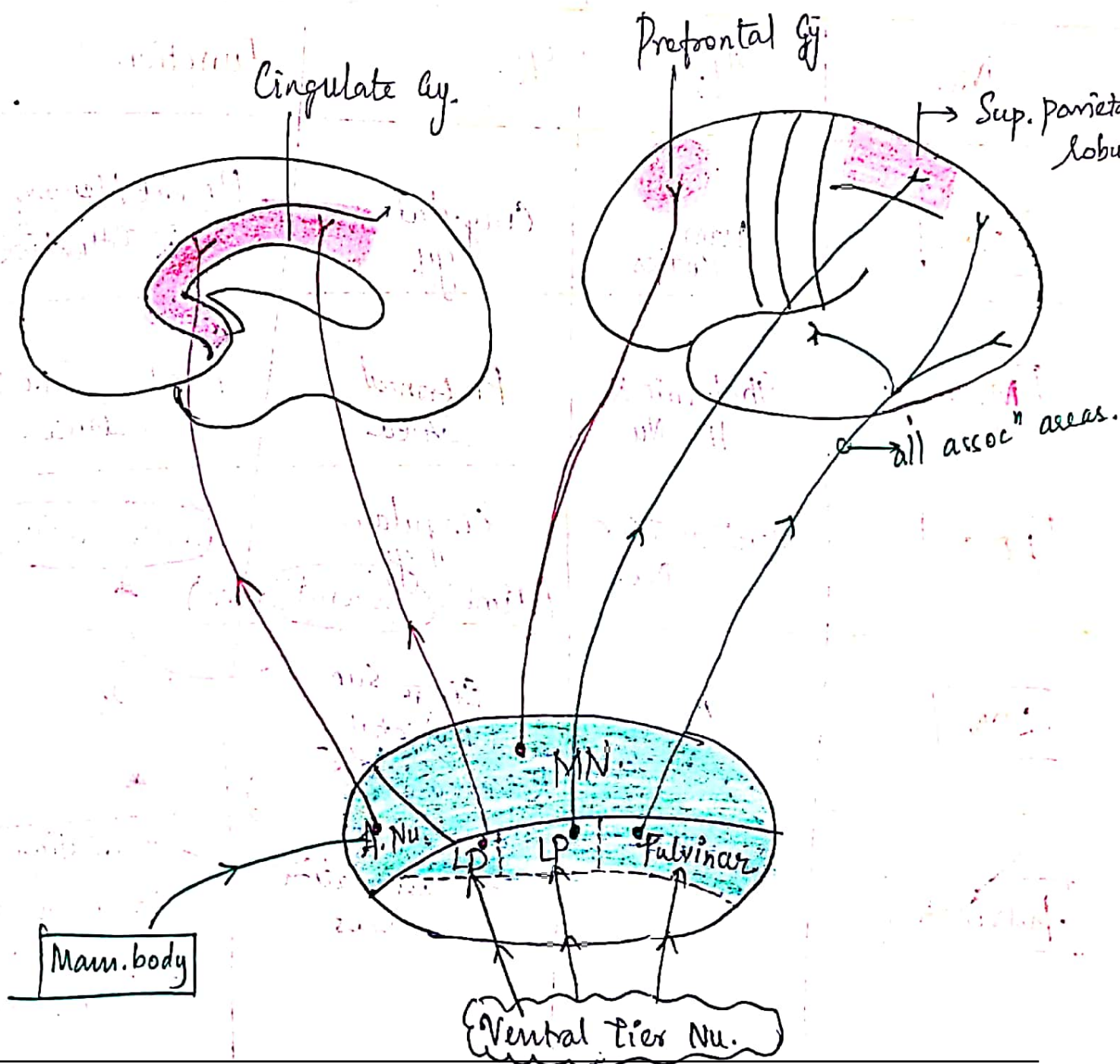
* ML - Medial Lemniscus
SL - Spinal
TL - Trigem.



Specific Thalamic Nu. & their Conn.

Nu.	Aff.	Eff.
VPM	TL & solitary Nu.	3, 1, 2.
VPL	ML & SL	3, 1, 2.
VL	DentatoThal. Tr. & Dentato Rubro Thal. Tr.	4.
VA	Globus pallidus.	6.
MGB → music	Auditory fibres	41, 42
LGB → light	Visual fibres	17

NON SPECIFIC THALAMIC Nu. & their connections



Non specific Thalamic Nu. Connections.

Nu.	Aff.	Eff.	Function
<u>A. Nu.</u>	Mam. Bodies	Cingulate gy.	Recent Memory & Attention
<u>M. Nu.</u>	Thalamic & HT Nu.	Prefrontal Area	Mood & Emotion Balance.
<u>LDN.</u>	Ventral Tier Nu.	Cingulate gy. (limbic associat ⁿ area)	Integration
<u>LPN</u>	"	Cing. Sup. parietal lobe. (sens. assoc. area)	"
<u>Pulvinar</u>	"	All association areas.	Correlating & integ. various sens. with visual informat ⁿ .