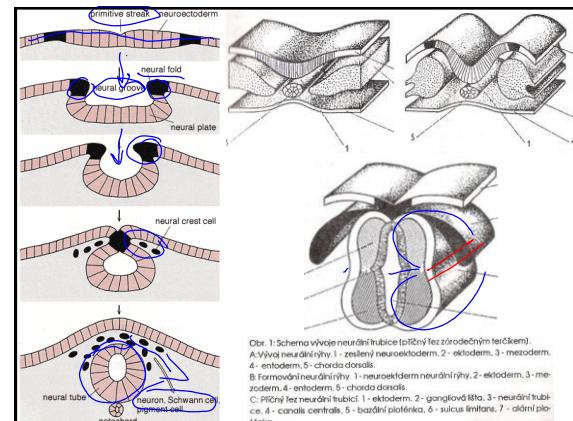
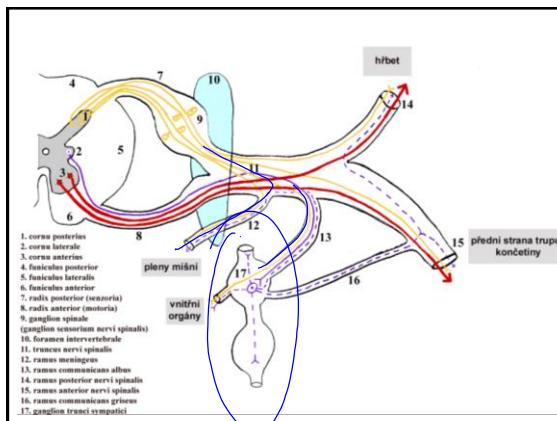
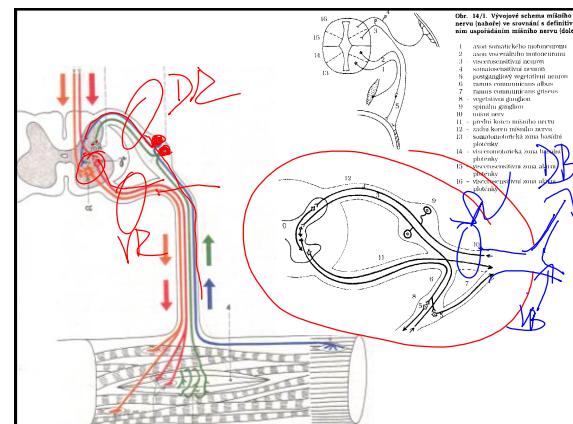
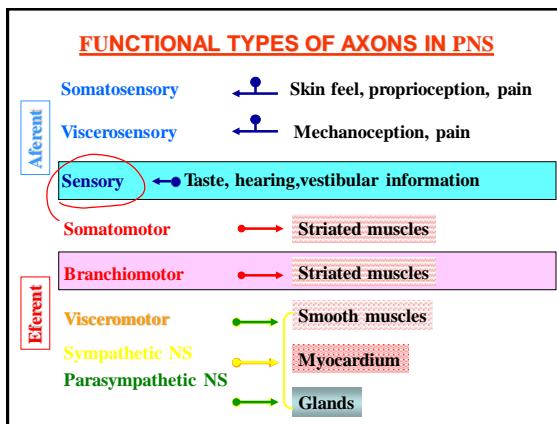
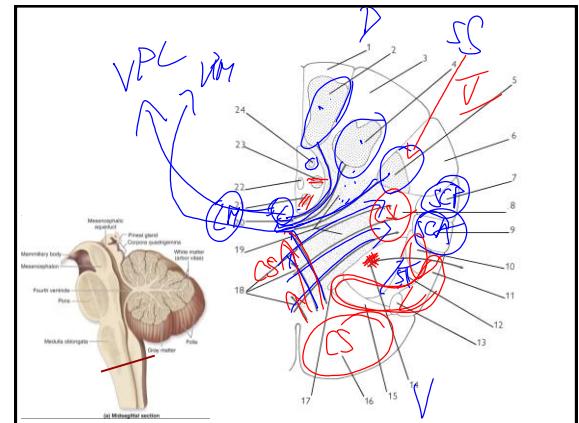
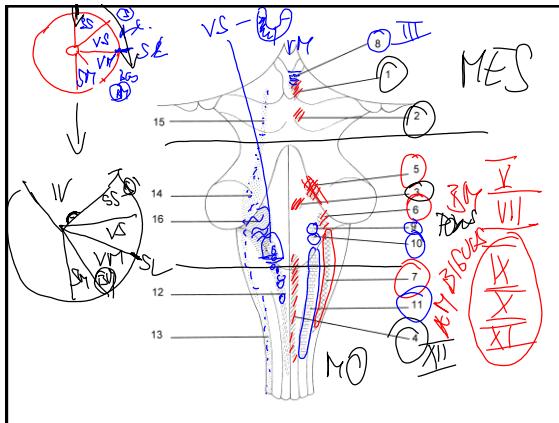
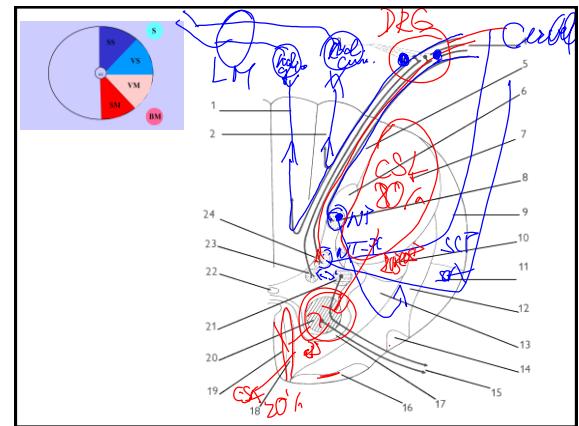
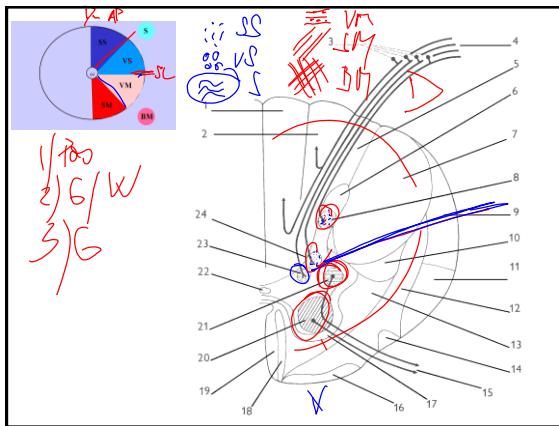
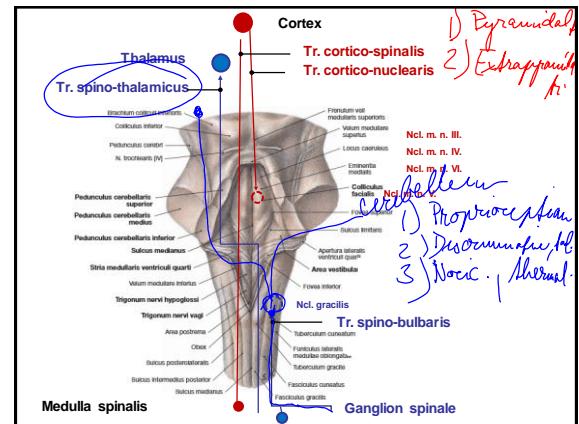
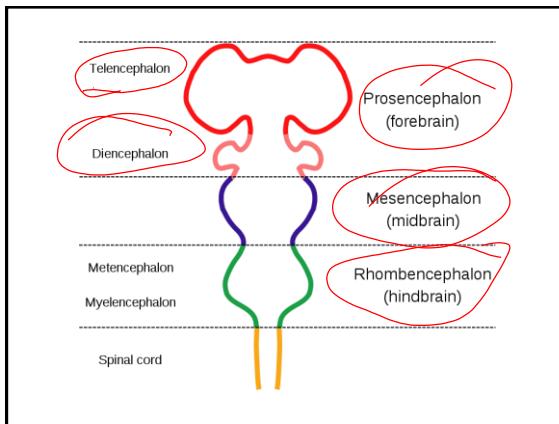
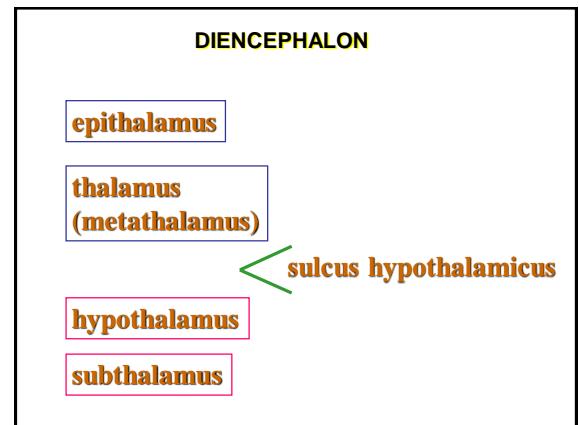
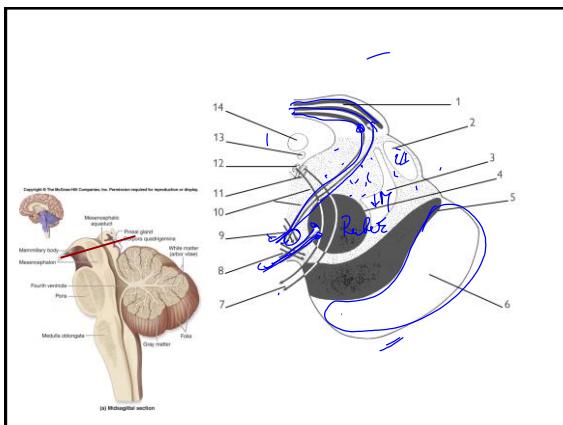
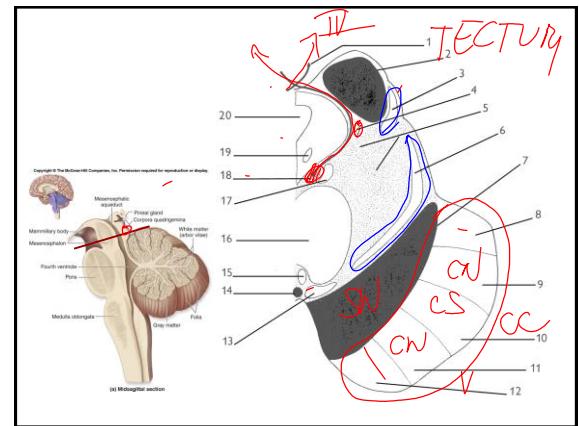
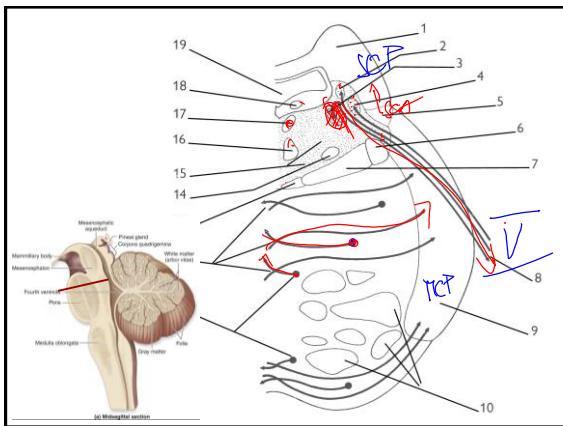
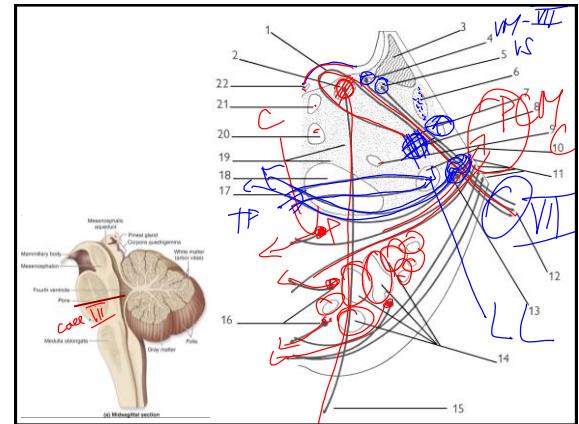
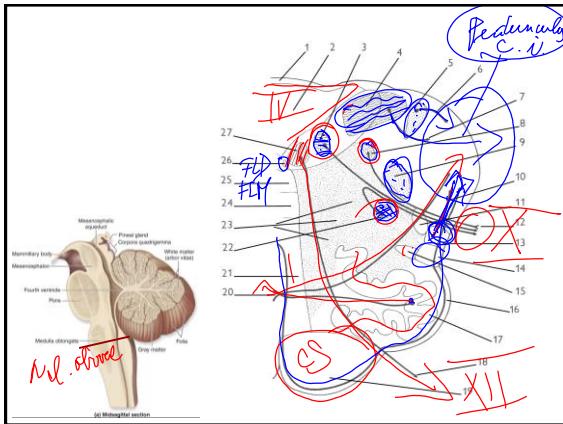
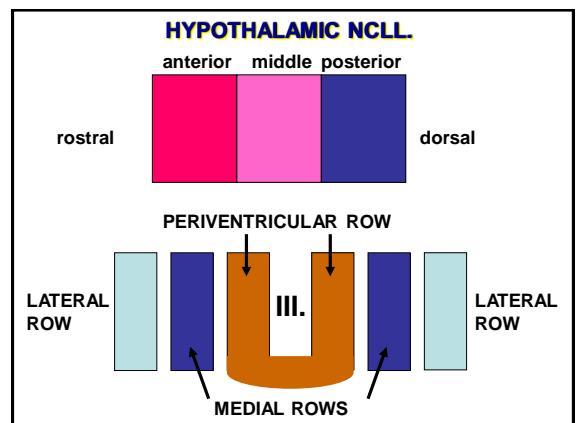
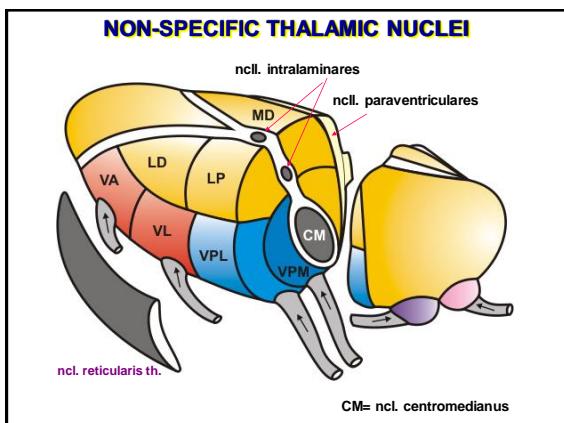
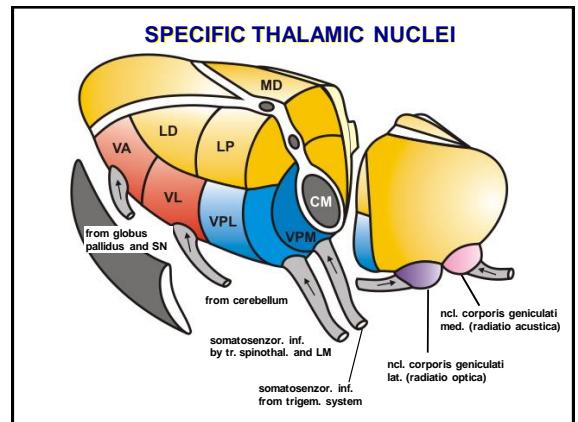
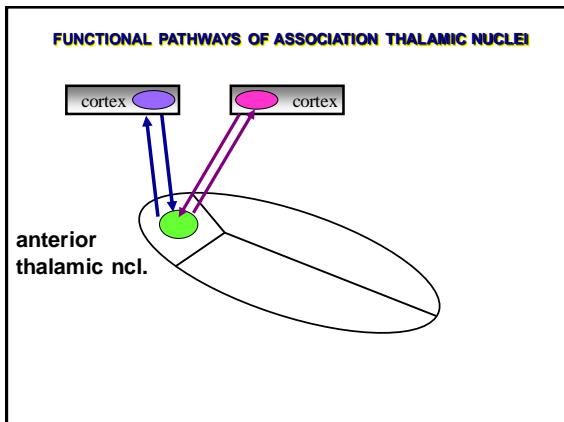
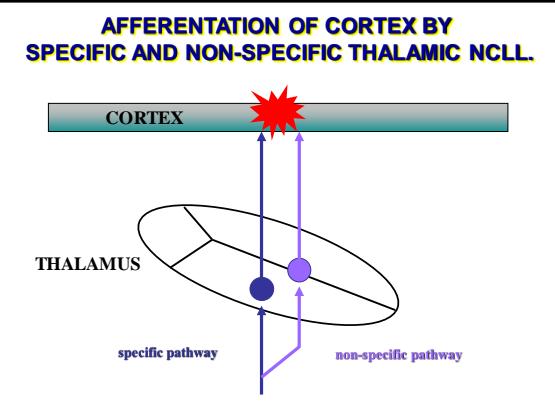
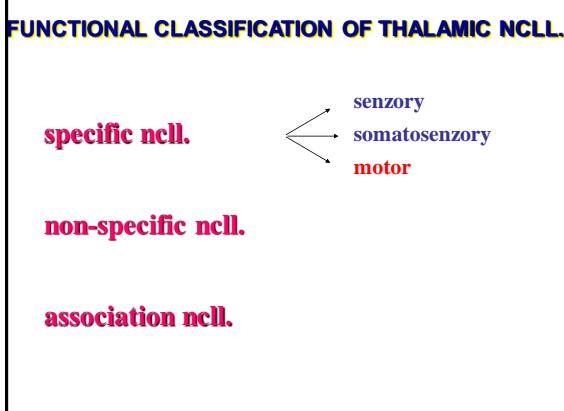


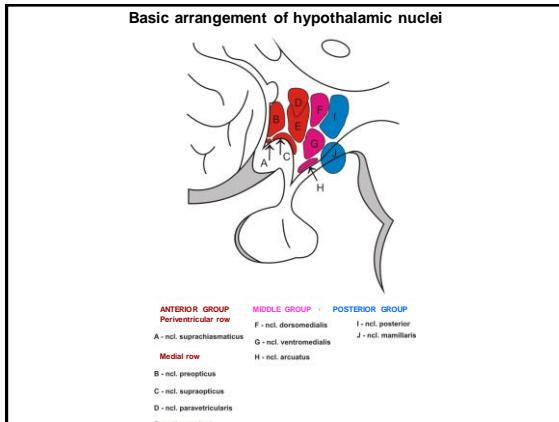
- ## Terminology
- **funiculus** = cordlike structure or part, especially one of the large bundle of nerve tracts that make up the white matter of the spinal cord.
 - **fasciculus** = an axon bundle -**HETEROGENOUS** struct. – it has the origin in different nuclei and form synapses in various structures
 - **tractus** = an axon bundle -**HOMOGENOUS** struct. – nerve fibres have the same origin and conclusion
 - **ipsilateral** x **contralateral**
 - **Rostral** x **caudal**
 - **Nucleus x ganglion**
 - **Proprioception x discriminative sensation x nociception**
x tactile sensation
 - **Somato/viscero-motor x Somato/viscero-sensor**











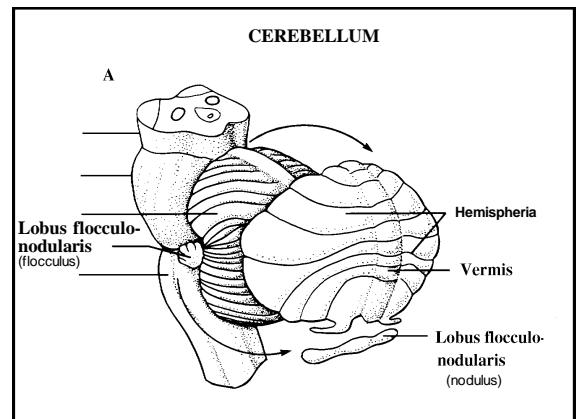
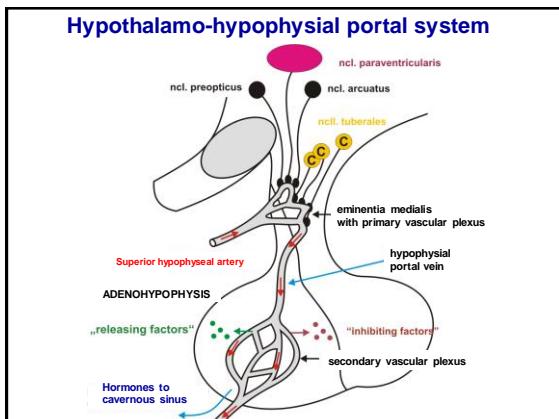
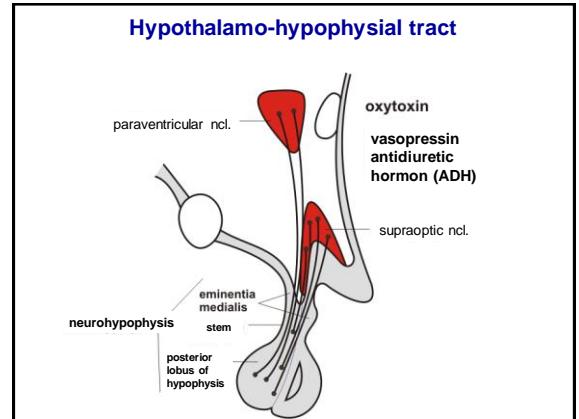
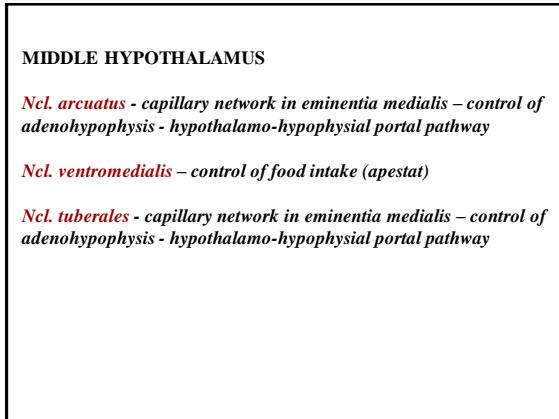
ANTERIOR HYPOTHALAMUS

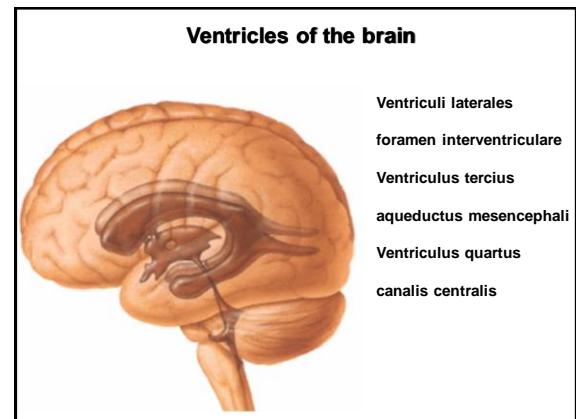
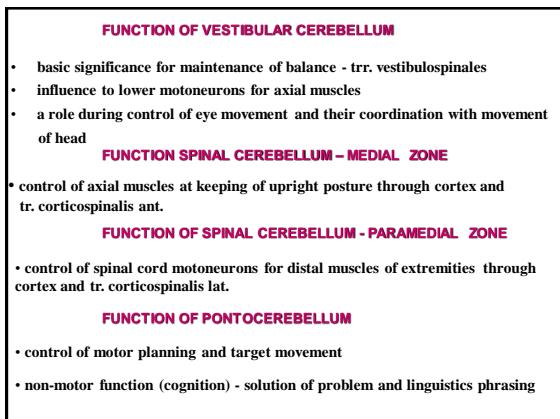
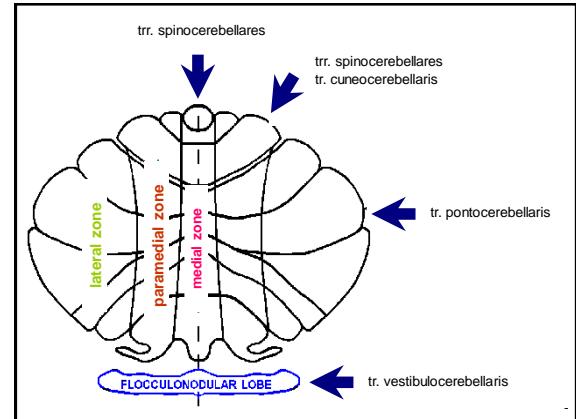
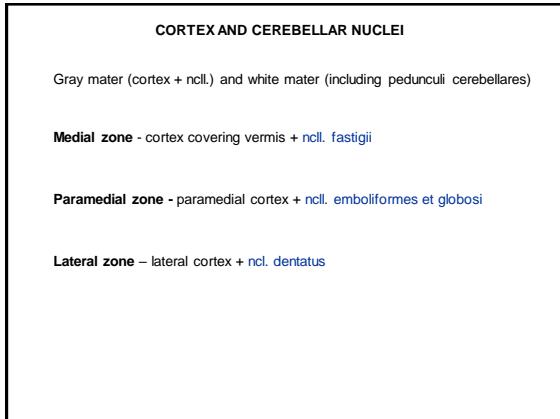
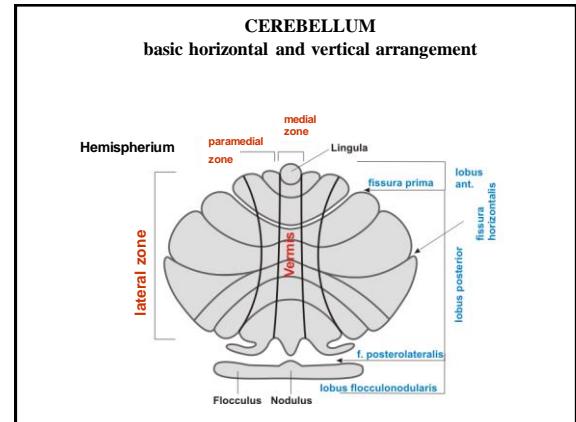
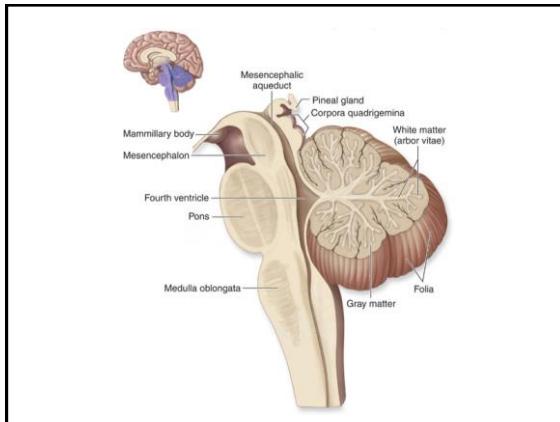
Ncl. suprachiasmaticus – afferentation from retina - generator of circadian rhythms

Ncl. preopticus – different structure in female and male – control of individual sexual behavior, behavior associated with maternity; regulation of body temperature

Ncl. supraopticus and paraventricularis (magnocellular component) – tractus hypothalamo-hypophysialis – transport of hormones into neurohypophysis

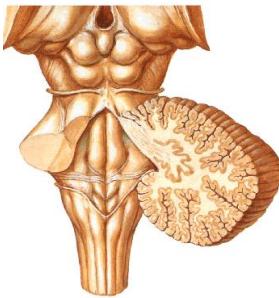
Ncl. paraventricularis (parvocellular component) - capillary network in eminentia medialis – control of adenohypophysis - hypothalamo-hypophysial portal pathway





THE FOURTH VENTRICLE

Fossa rhomboidea
 sulcus medianus
 sulci limitantes
 eminencia medialis
 pars superior, intermedia, inferior
 Tegmen ventriculi quarti
 velum medullare superius
 fastigium
 velum medullare inferius

**Pars superior**

fovea superior (n. V.)

locus coeruleus

Pars intermedia

stria medullaris, recessus lat.

colliculus facialis (n. VI.)

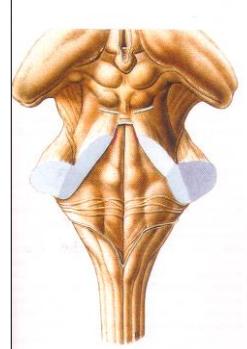
area vestibularis

tuberculum acusticum

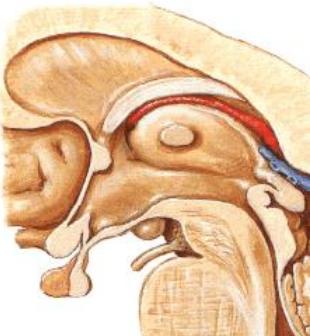
Pars inferior

trigonum nervi hypoglossi

trigonum nervi vagi (fovea inferior)

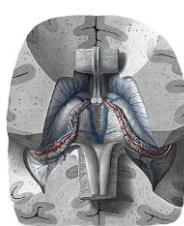
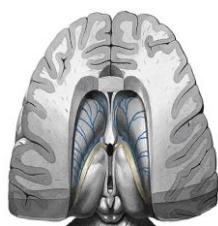
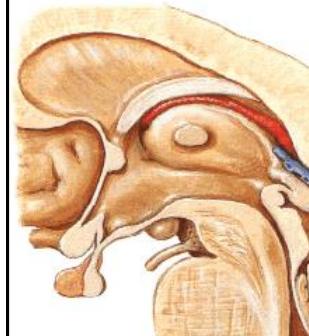
**THE THIRD VENTRICLE**Lateral wall:

Thalamus
 adhesio interthalamicæ
 sulcus hypothalamicus
 foramen interventriculare
 Hypothalamus
Basal wall:
 Hypothalamus
 Recessus opticus
 Recessus infundibularis

Anterior wall:

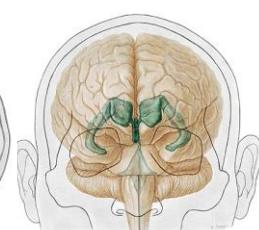
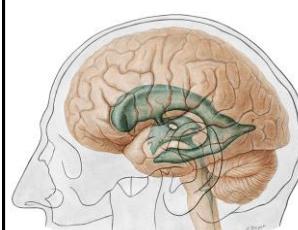
lamina terminalis
 commisura ant.
 pars libera columnæ fornici

Posterior wall:
 recessus suprapinealis
 commisura habenularum
 recessus pinealis
 commisura posterior
 aquaeductus cerebri

**Roof:**

tela choroidae ventriculi III. (stria medullaris thalami, trigonum habenulae, commisura habenularum)

recessus suprapinealis

LATERAL VENTRICLE

Cornu anterius (lobus frontalis), pars centralis (lobus parietalis),
 cornu posterius (lobus occipitalis), cornu inferius (lobus temporalis)

