

NN. CRANIALES

DESCRIPTION:

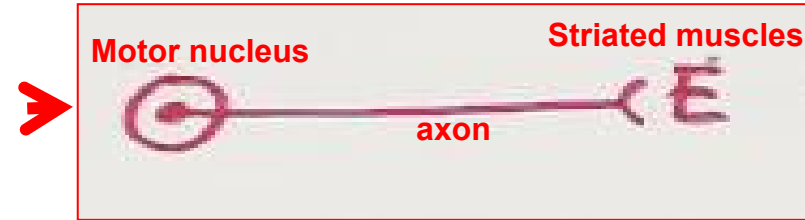
- 1. NAME**
- 2. NUCLEI**
- 3. OUTPUT FROM BRAIN**
- 4. OUTPUT THROUGH SKULL**
- 5. TYPE OF NERVE FIBERS**
- 6. GANGLIA**
- 7. INNERVATED STRUCTURES**

FIBERS OF THE CRANIAL NERVES

1. MOTOR - eferent

HN III, IV, V, VI, VII, IX-XII

effectors = striated muscles of the head and neck



2. PARASYMPATHETIC - eferent

N. III - GANGLION CILARE

N. VII - GANGLION PTERYGOPALATINUM ET
SUBMANDIBULARE

N. IX - GANGLION OTICUM

effectors = smooth muscles and glands of the head

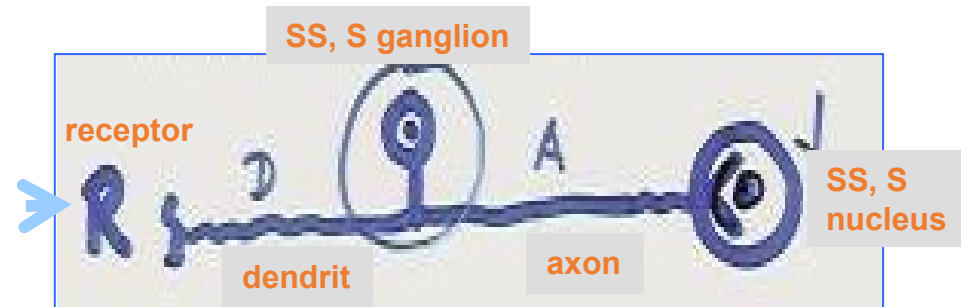


3. SENSORIC - aferent

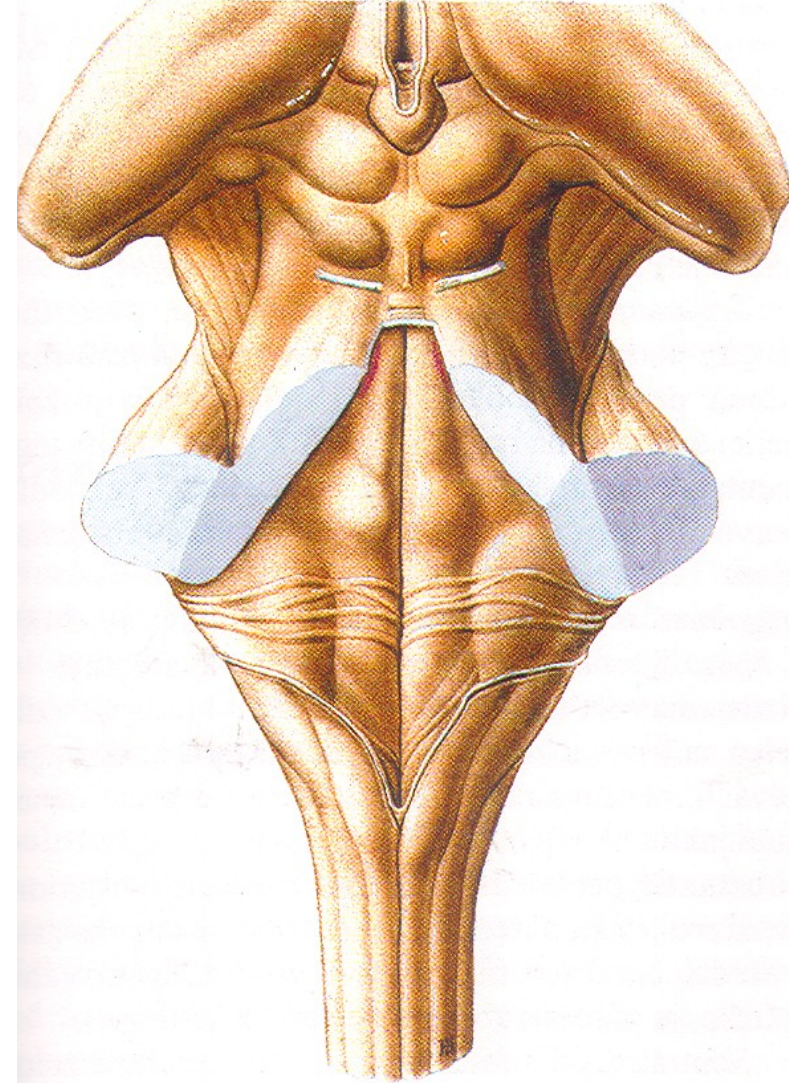
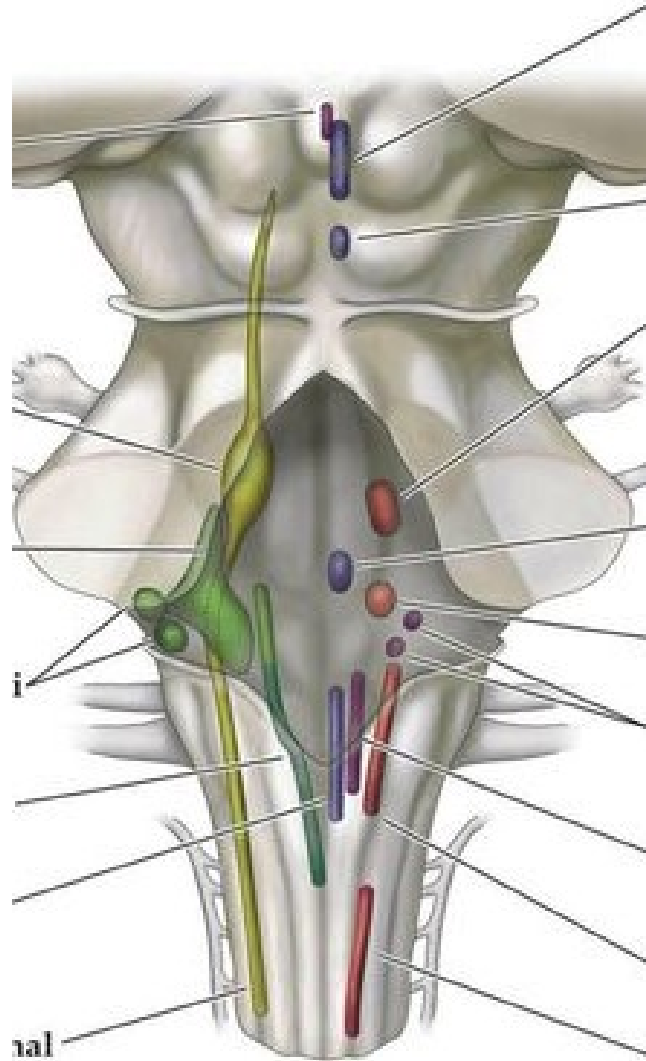
N. V - GANGLION TRIGEMINALE

N. VII - GANGLION GENICULI

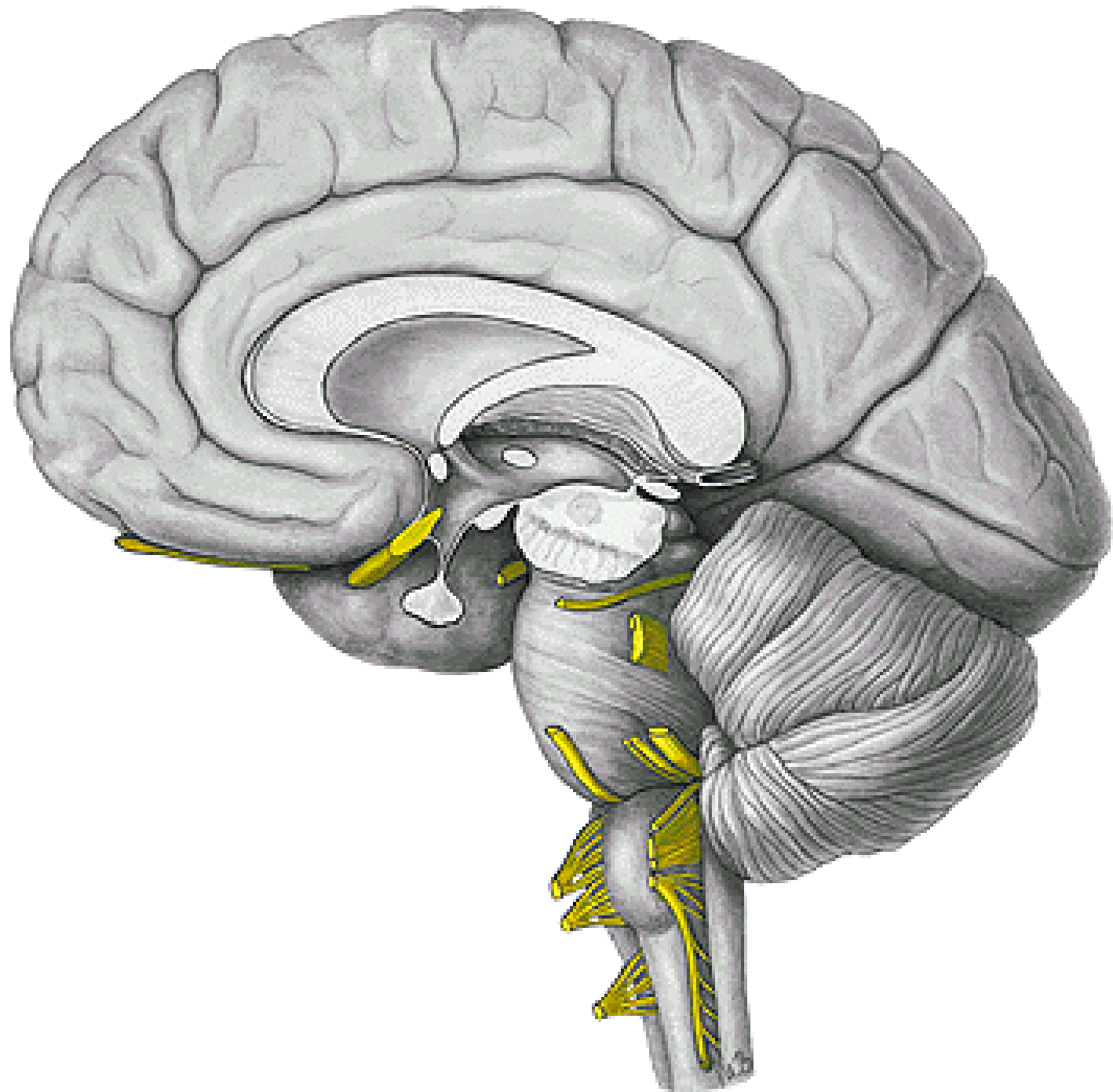
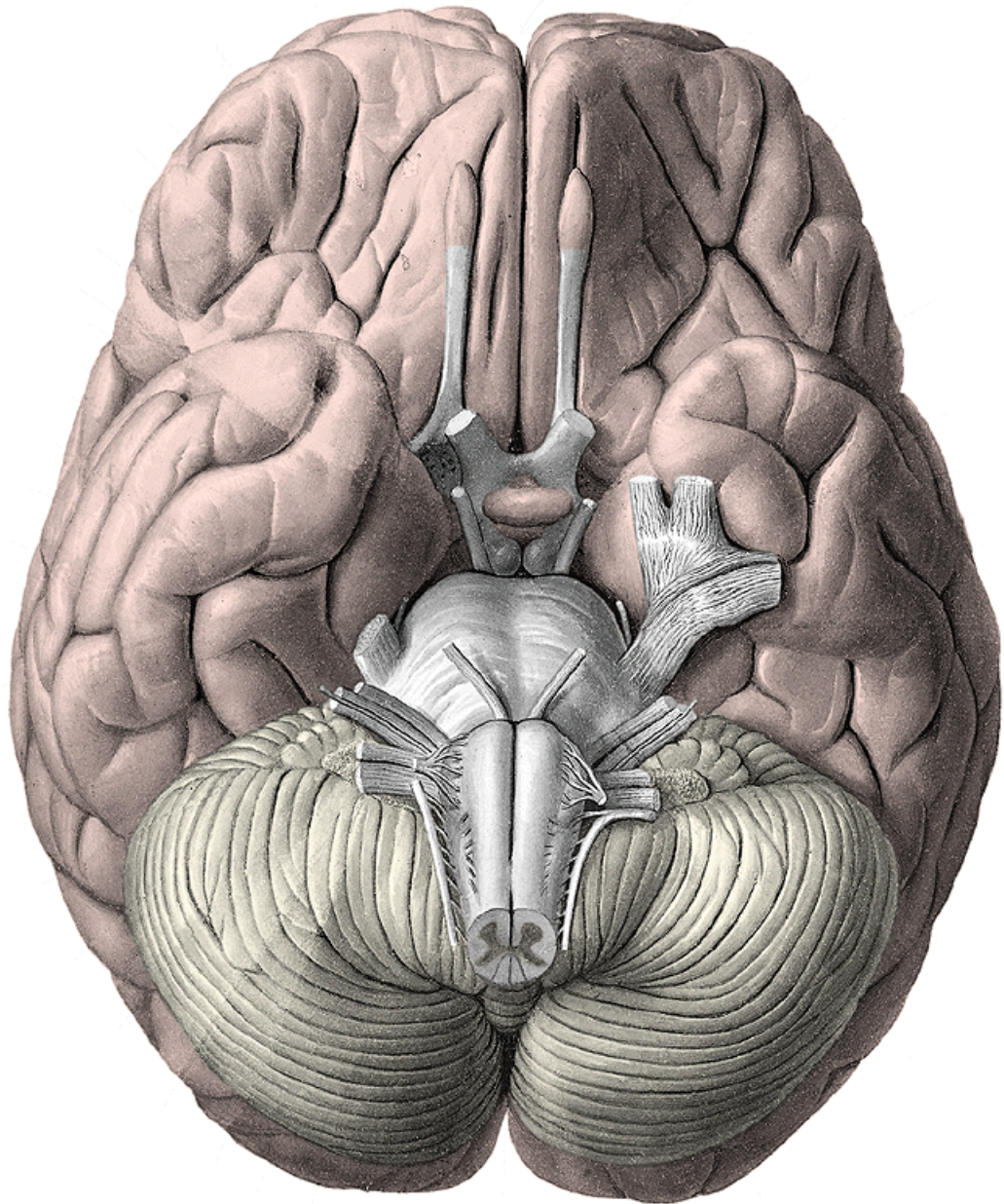
N. IX + X - GANGLION SUP. ET INF.



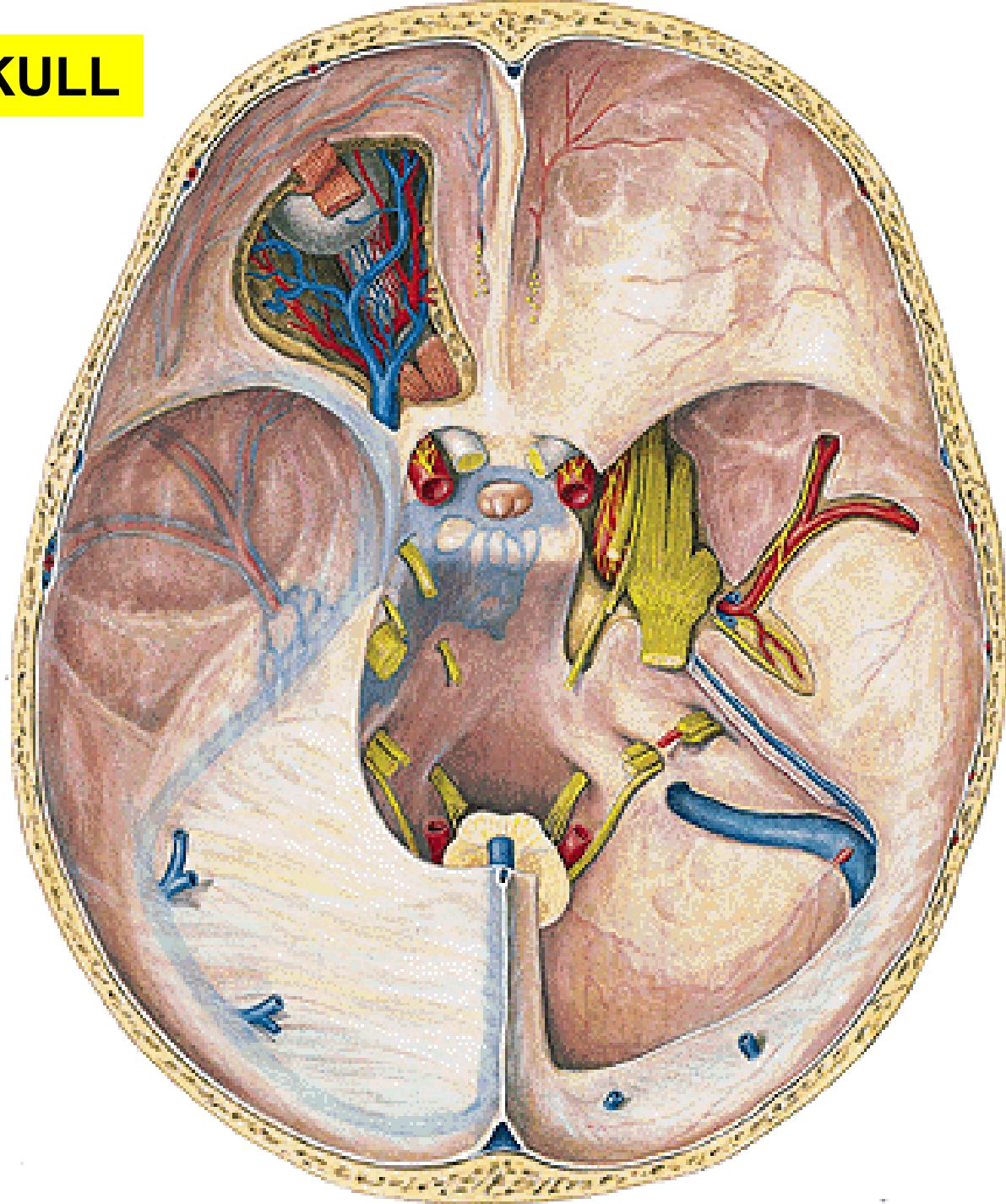
NUCLEI OF THE CRANIAL NERVES III – XII FOSSA RHOMBOIDEA



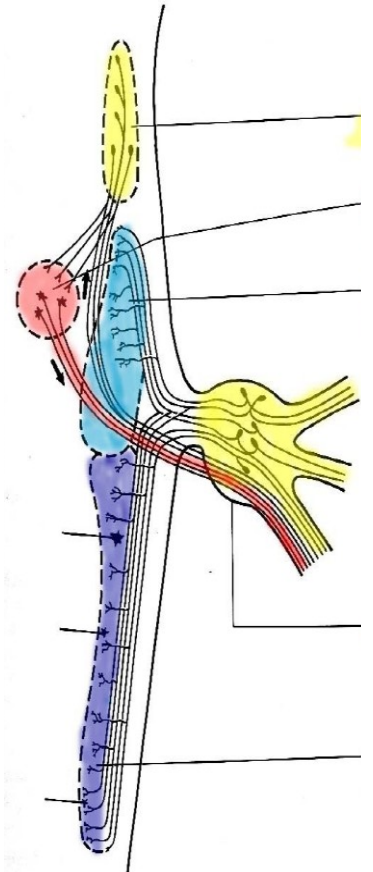
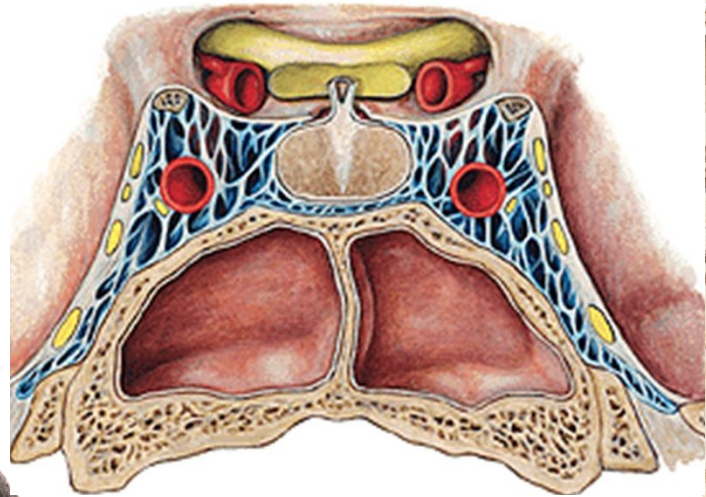
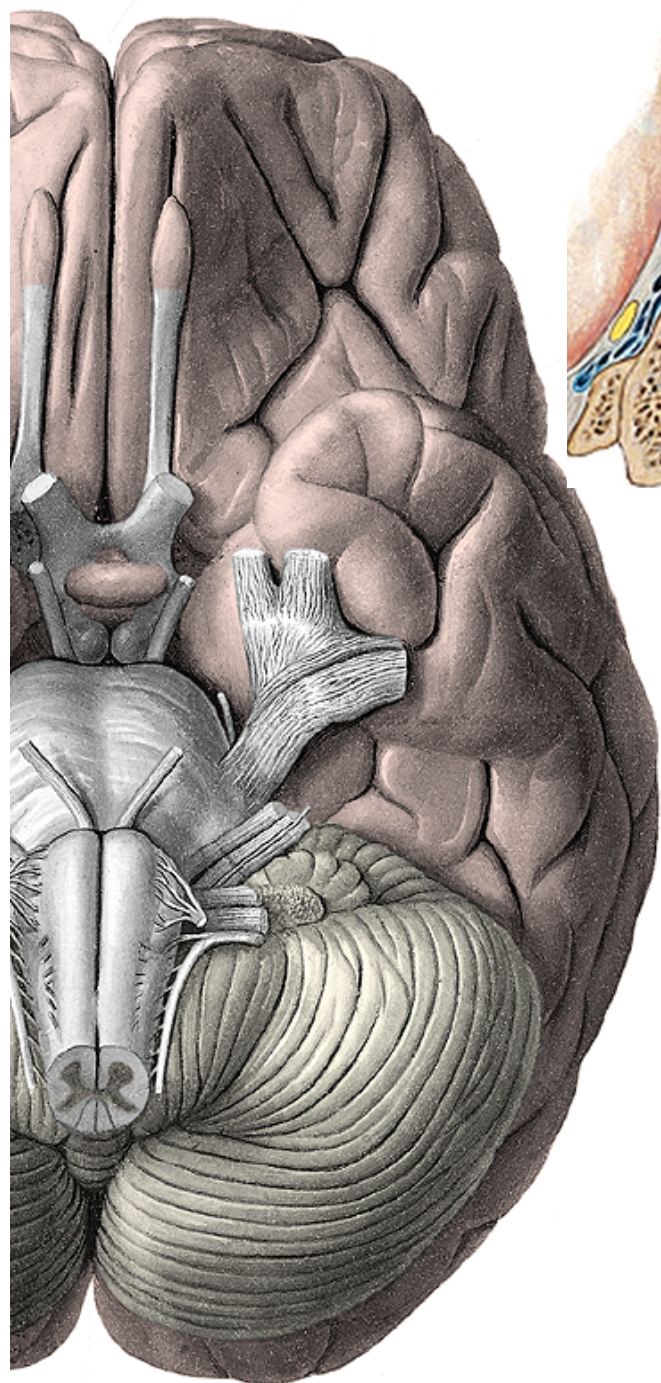
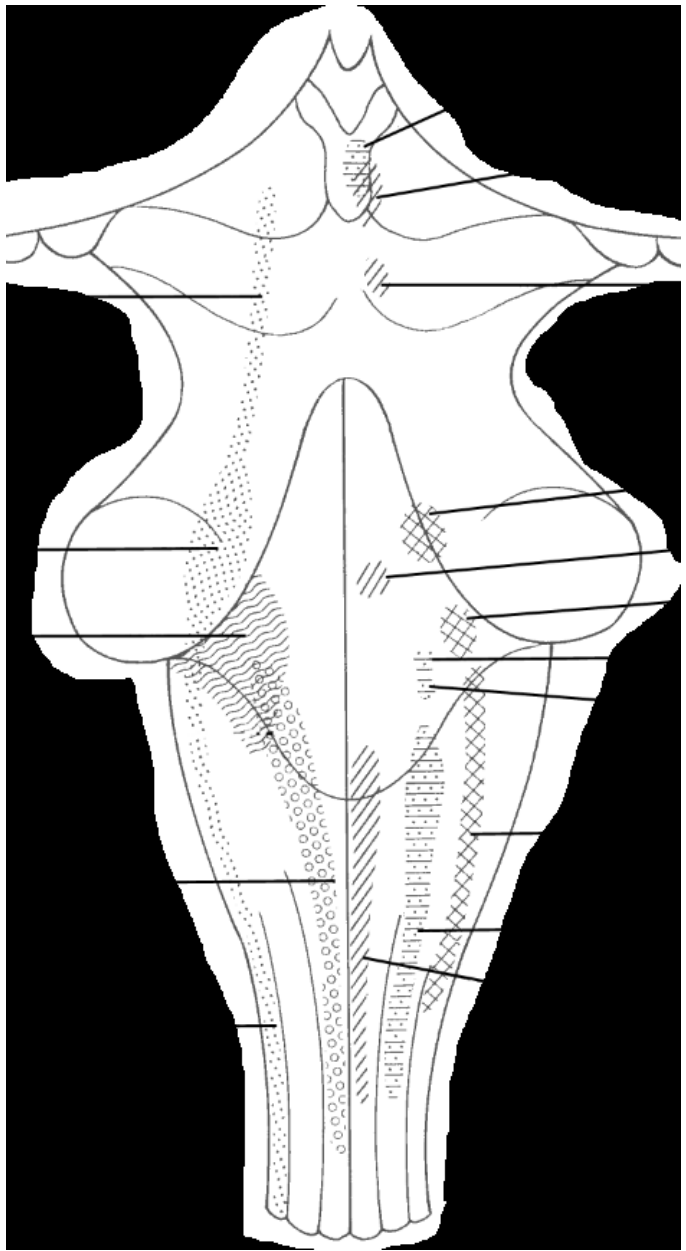
OUTPUTS FROM THE BRAIN



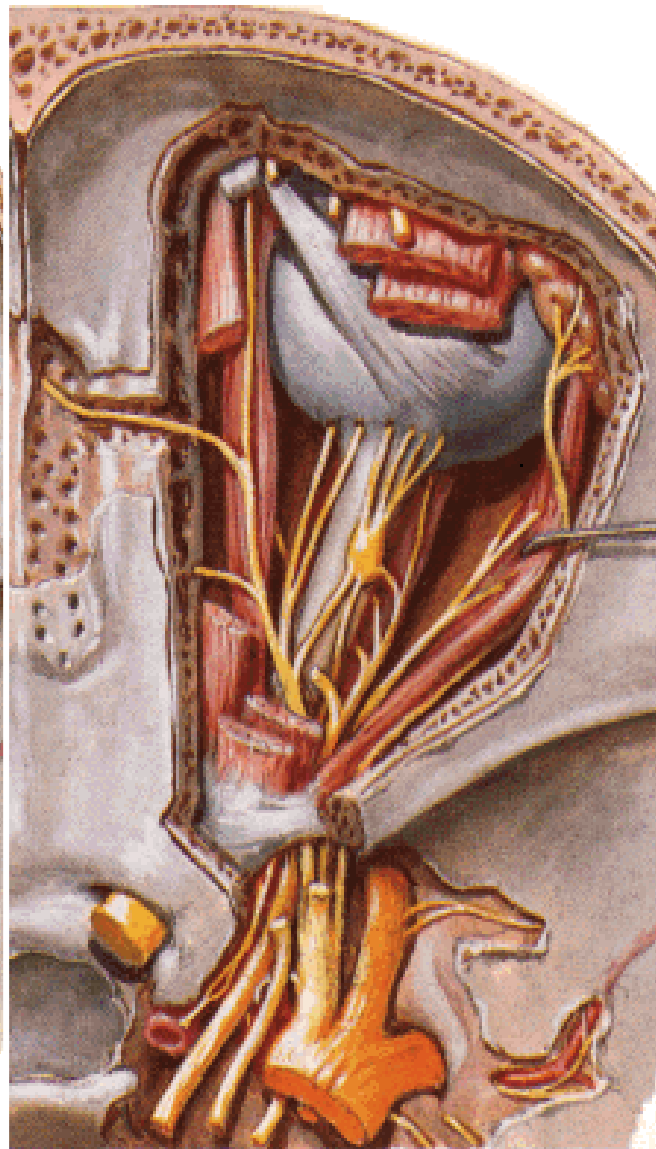
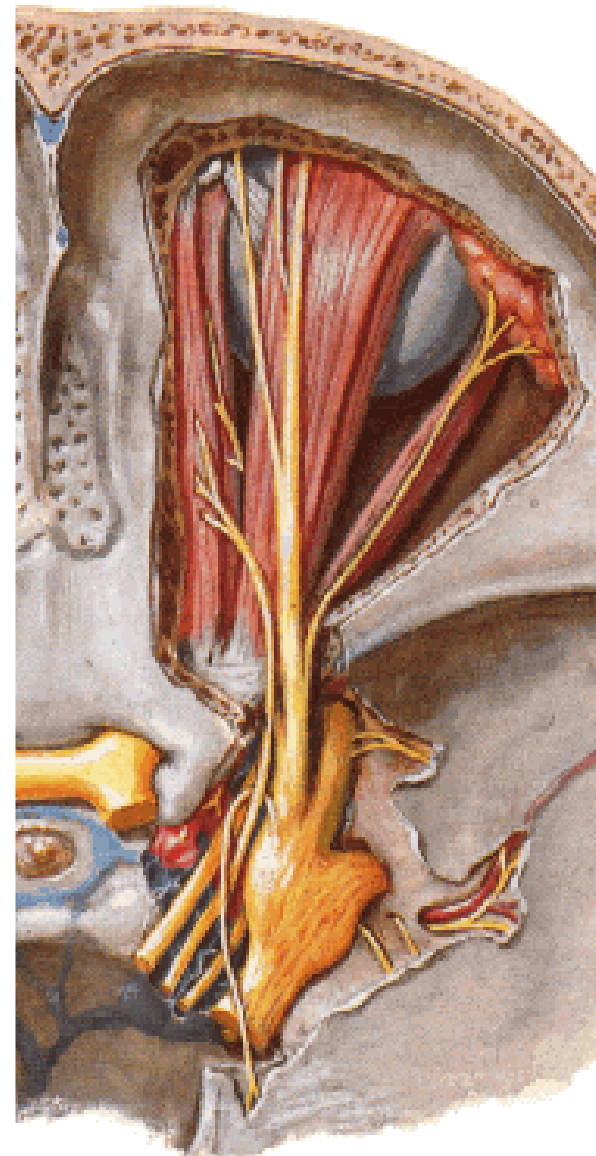
OUTPUTS FROM SKULL



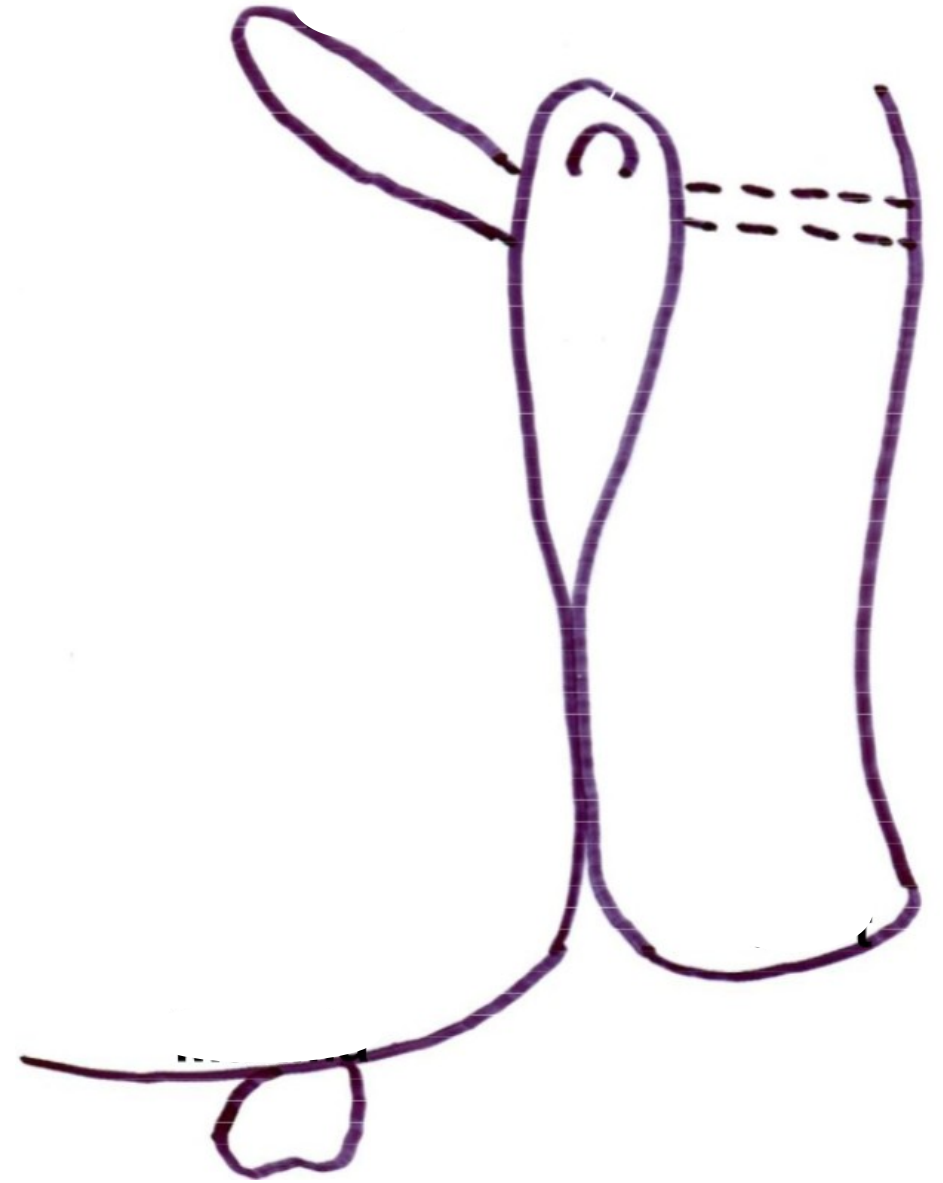
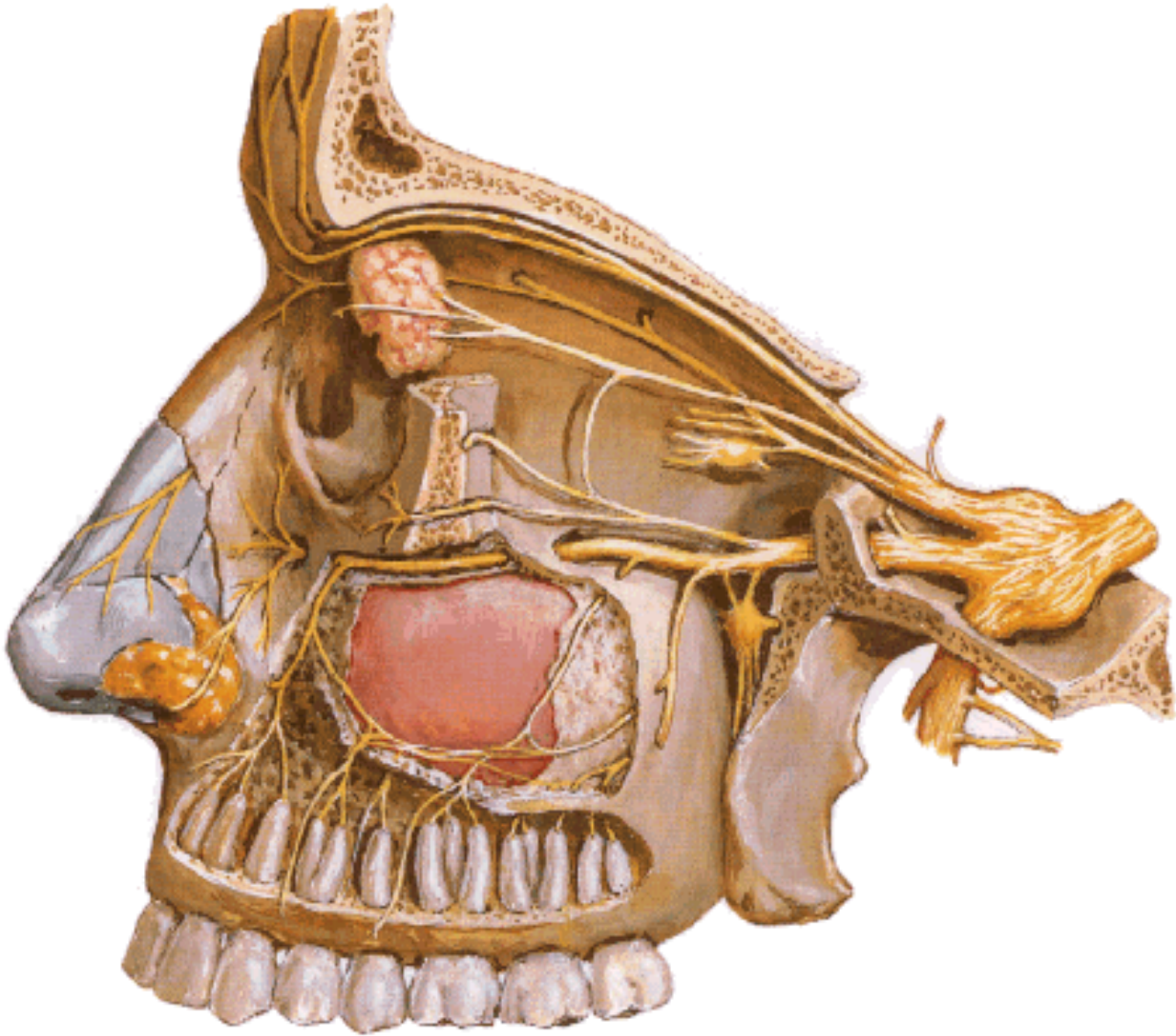
N.V.



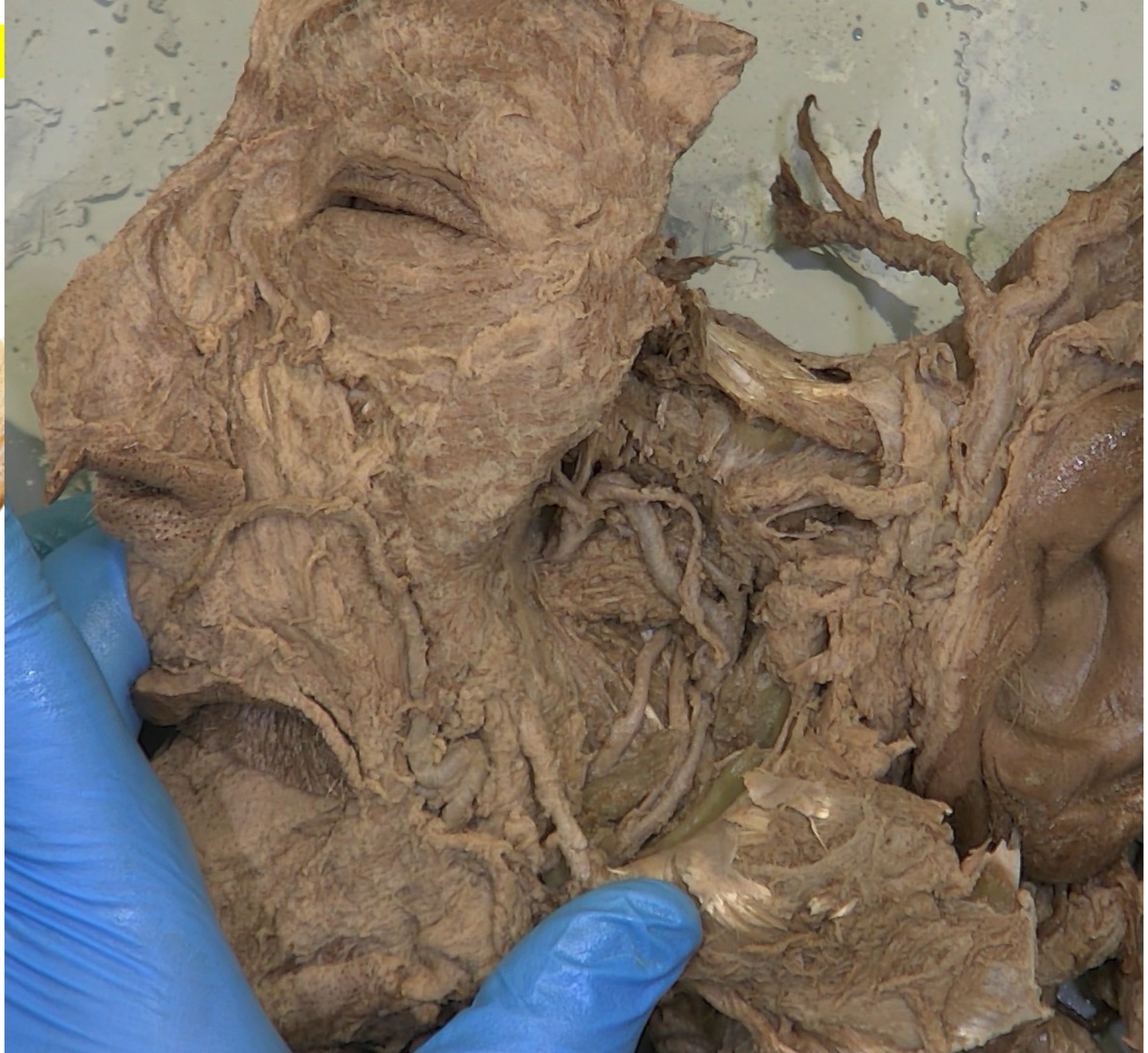
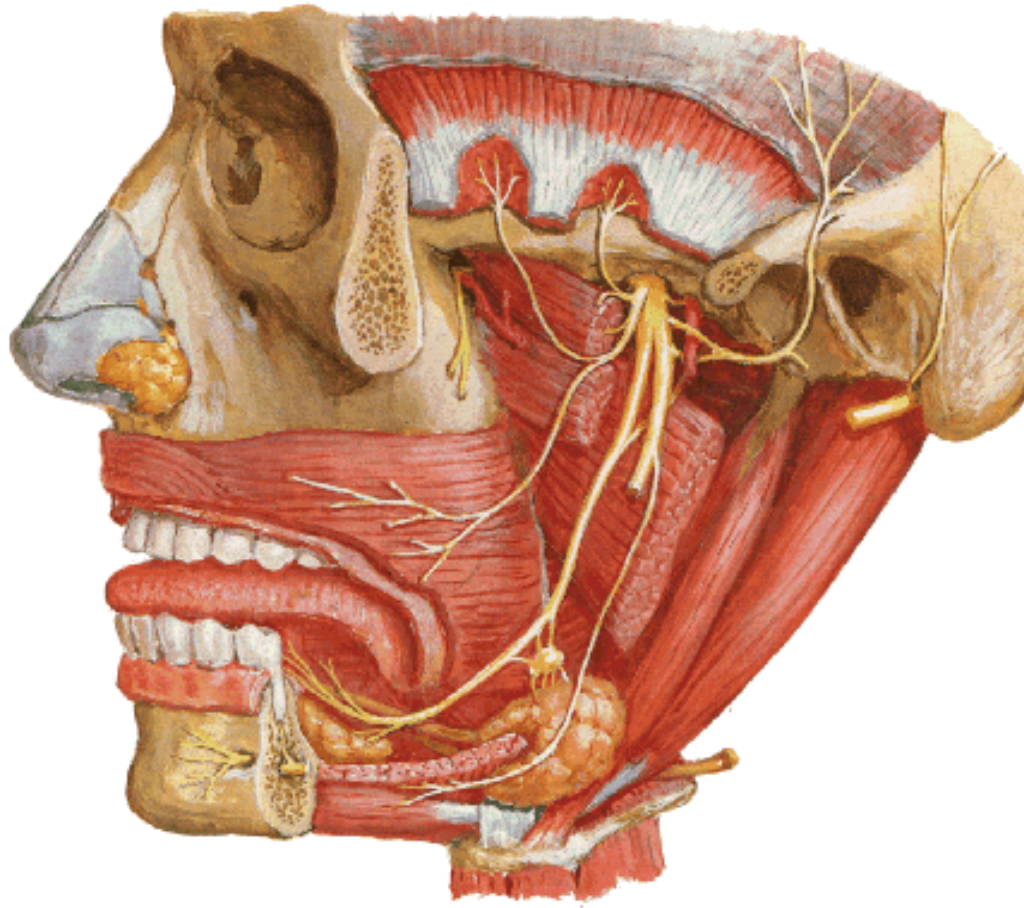
NERVUS OPHTHALMICUS (N. V₁)



NERVUS MAXILLARIS (N. V₂)

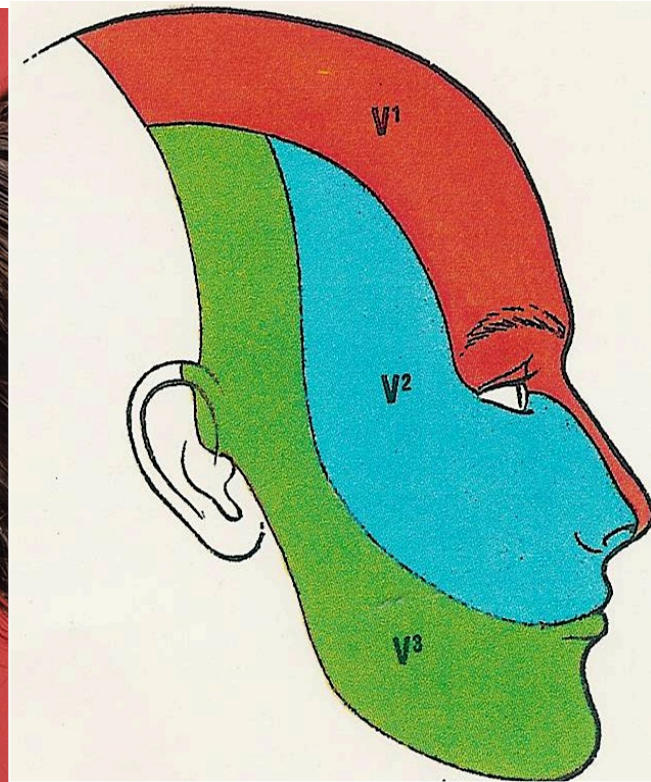


NERVUS MANDIBULARIS (N. V₃)





Inervační oblasti větví n.V.:



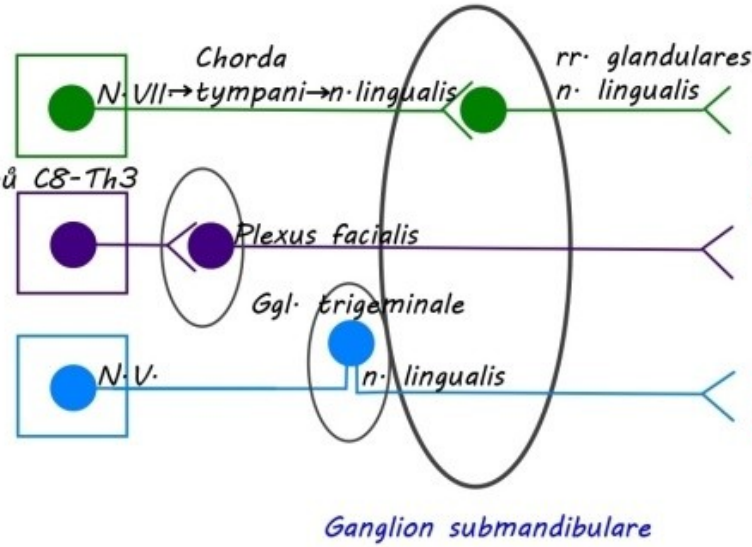
Palpační body větví n.V.:



Ncl. salivatorius sup.

Ncl. intermediolateralis postr. miš. rohů C8-Th3

Ncl. spinalis et pontinus n. trigemini



Glandula submandibularis et sublingualis, glandulae linguales

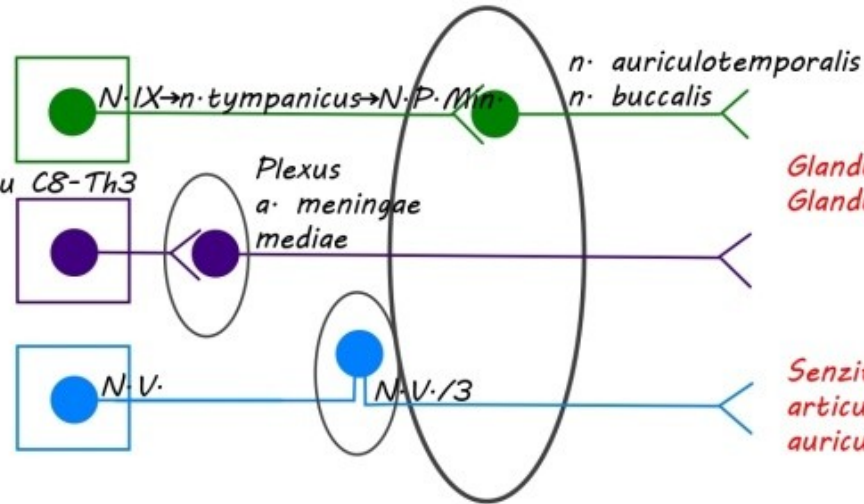
Senzitivita z apex et corpus linguae

Ganglion submandibulare

Ncl. salivatorius inf.

Ncl. intermediolateralis postr. miš. rohu C8-Th3

Ncl. spinalis et pontinus n. trigemini



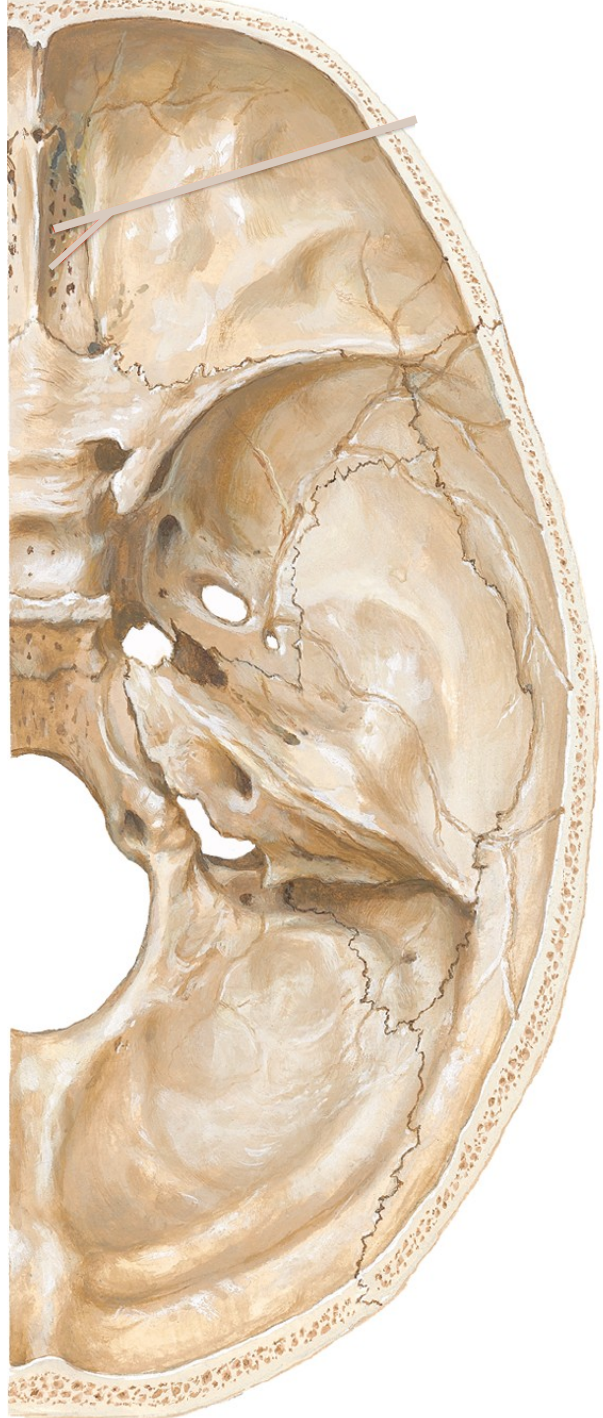
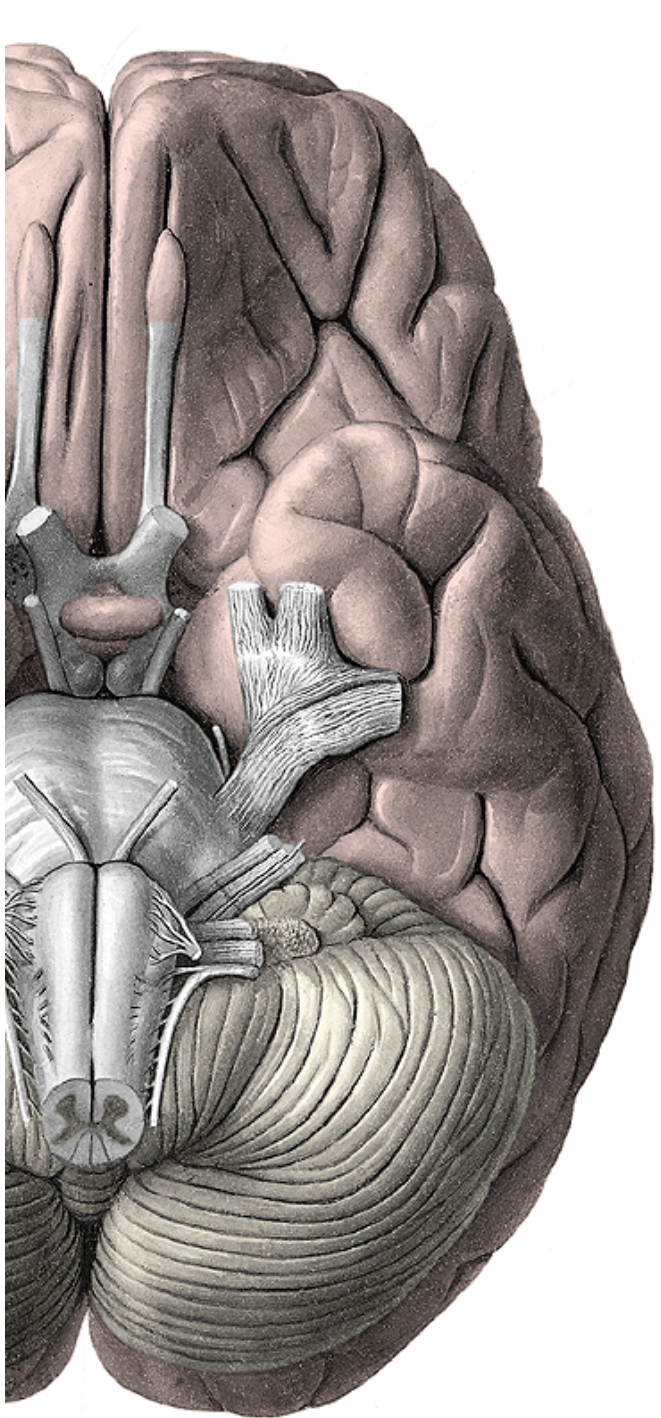
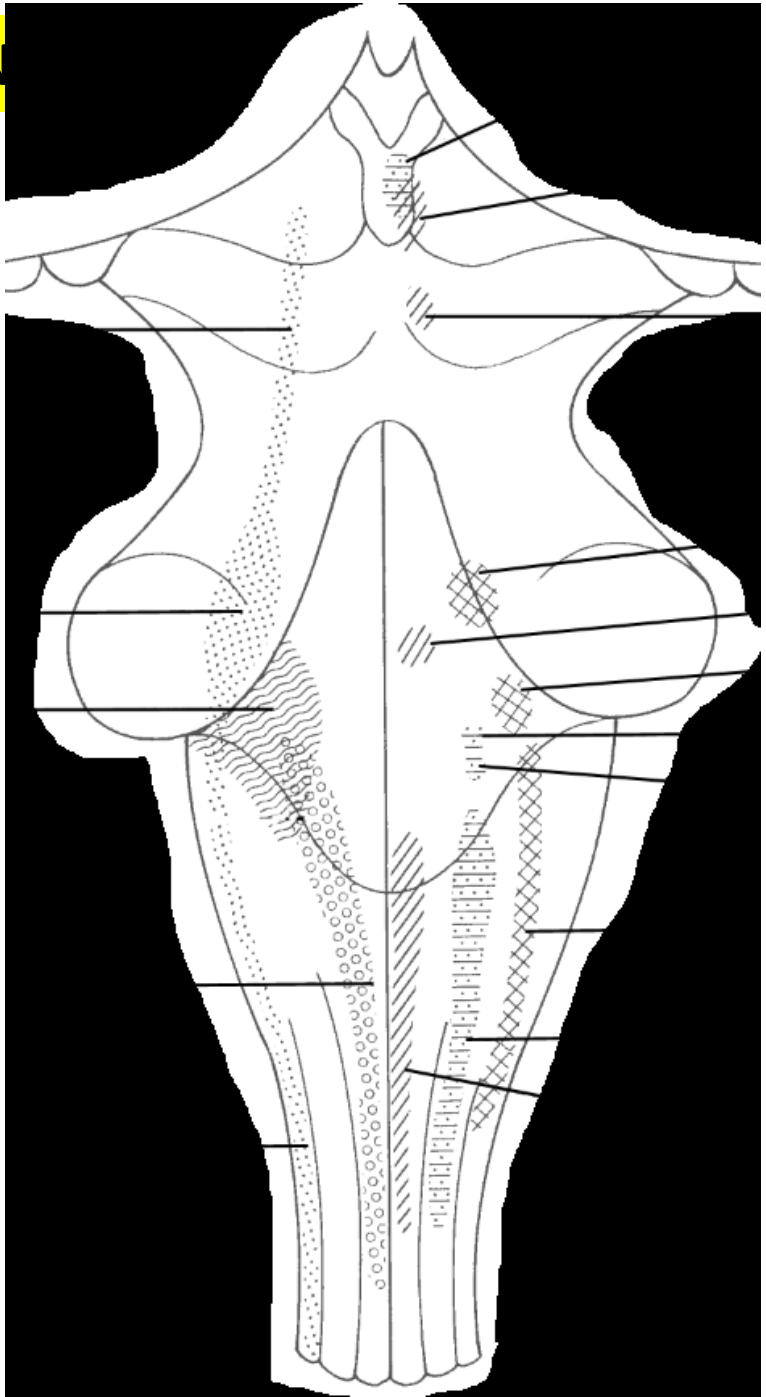
*Glandula parotis
Glandulae buccales*

*Senzitivita z buccae,
articulatio temporomandibularis,
auriculae, meatus acusticus ext.*

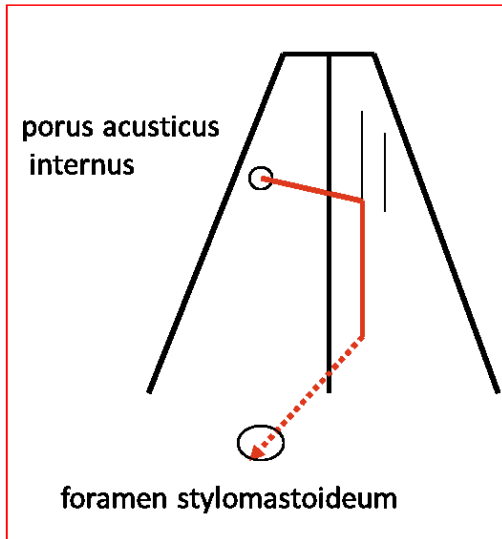
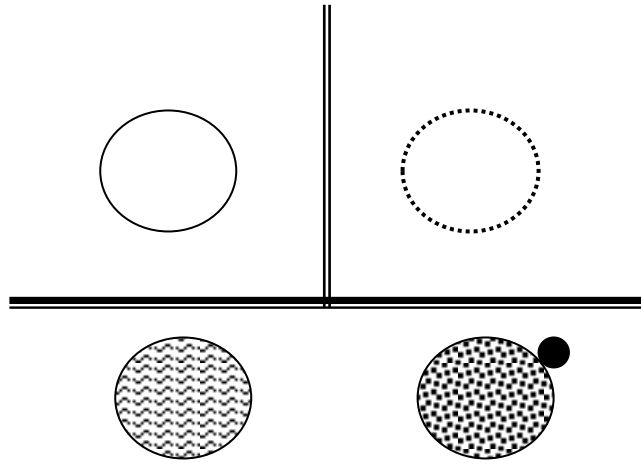
Ganglion oticum

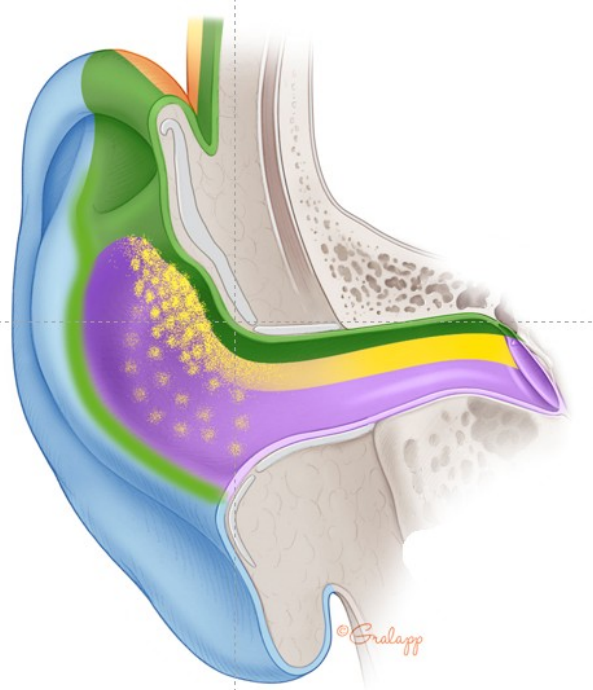
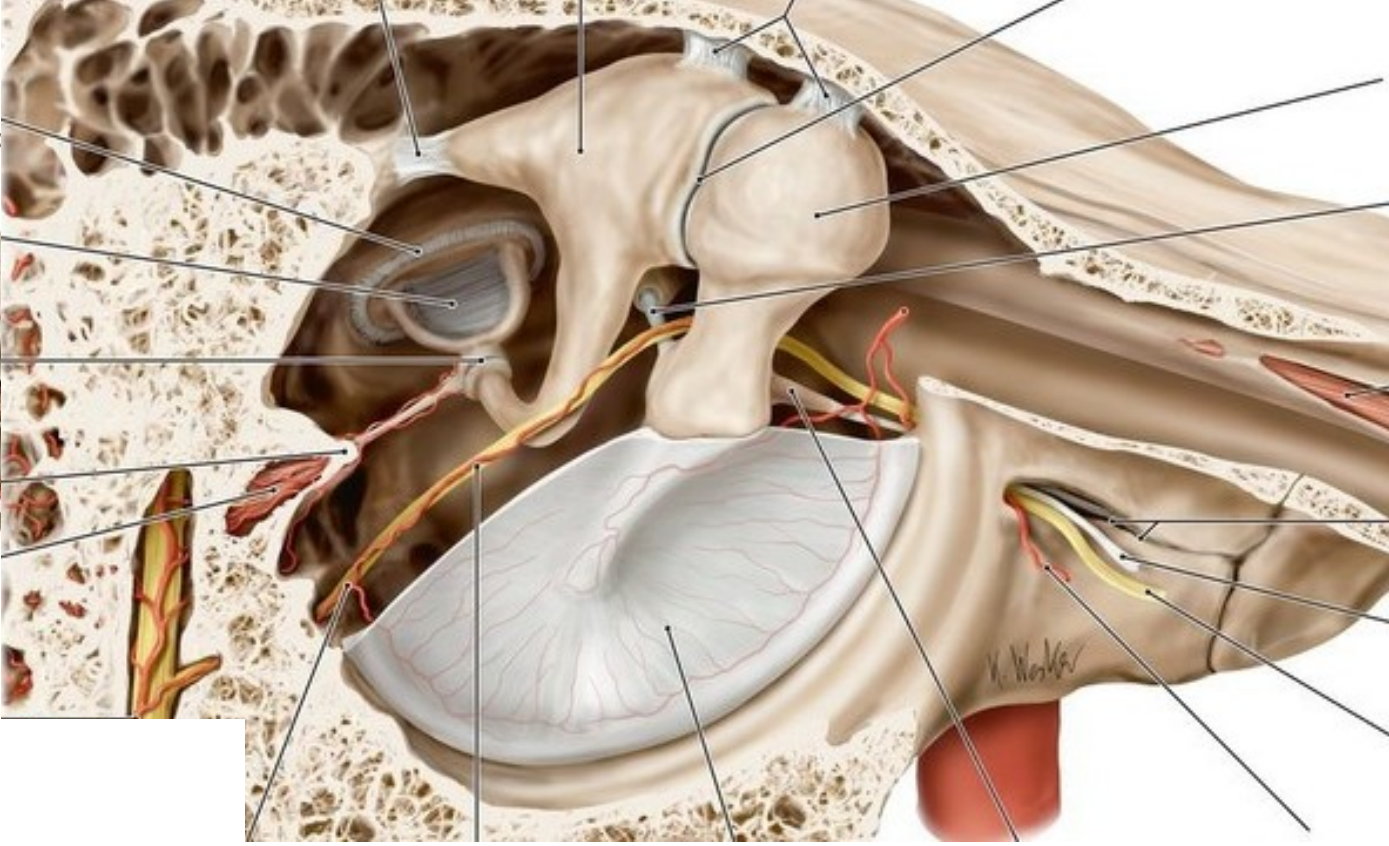
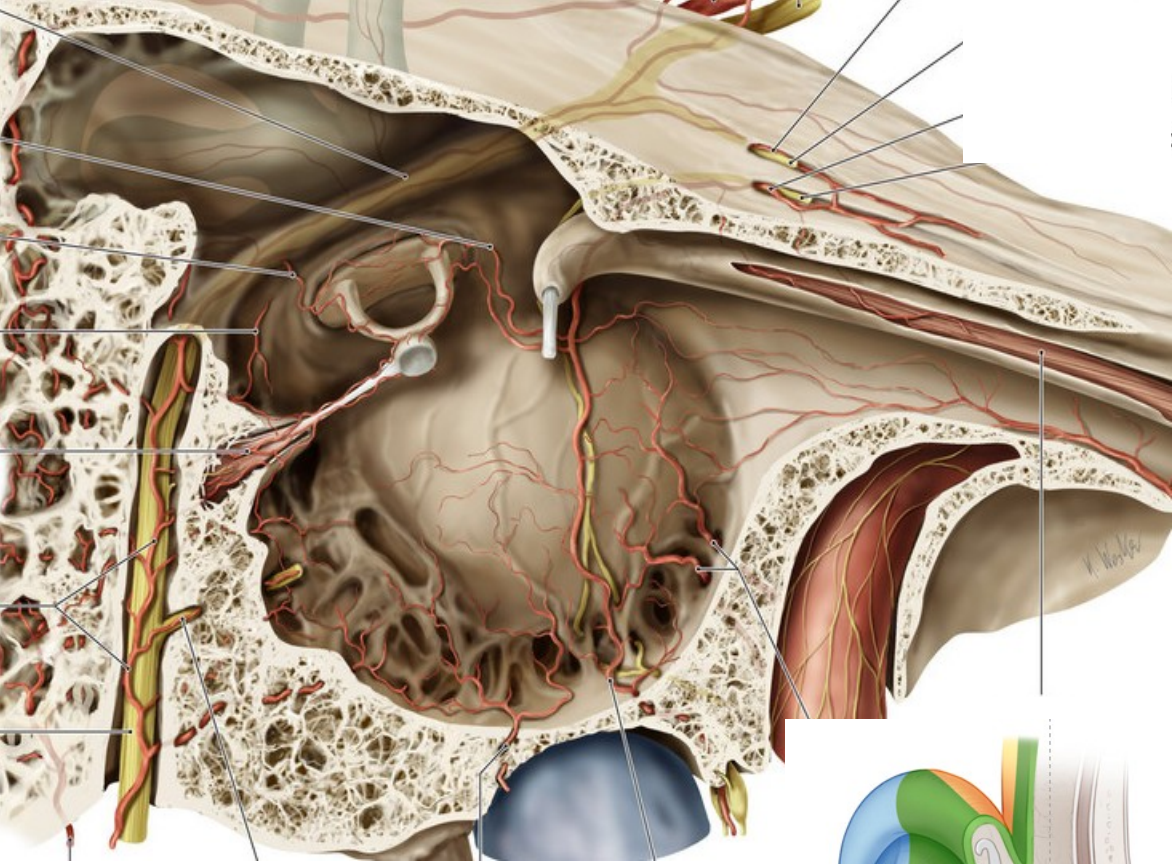
N. P. Min. = Nervus petrosus minor

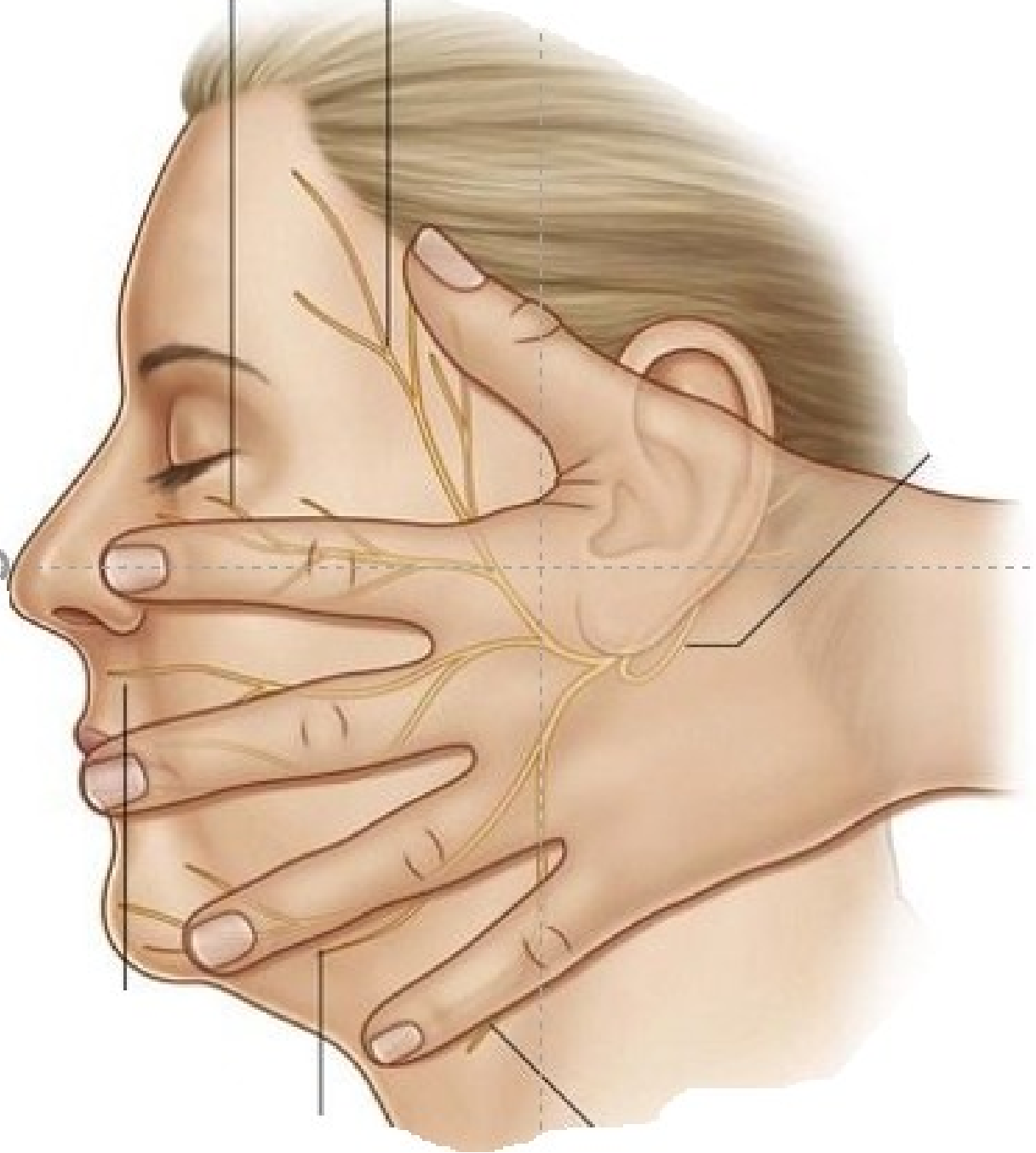
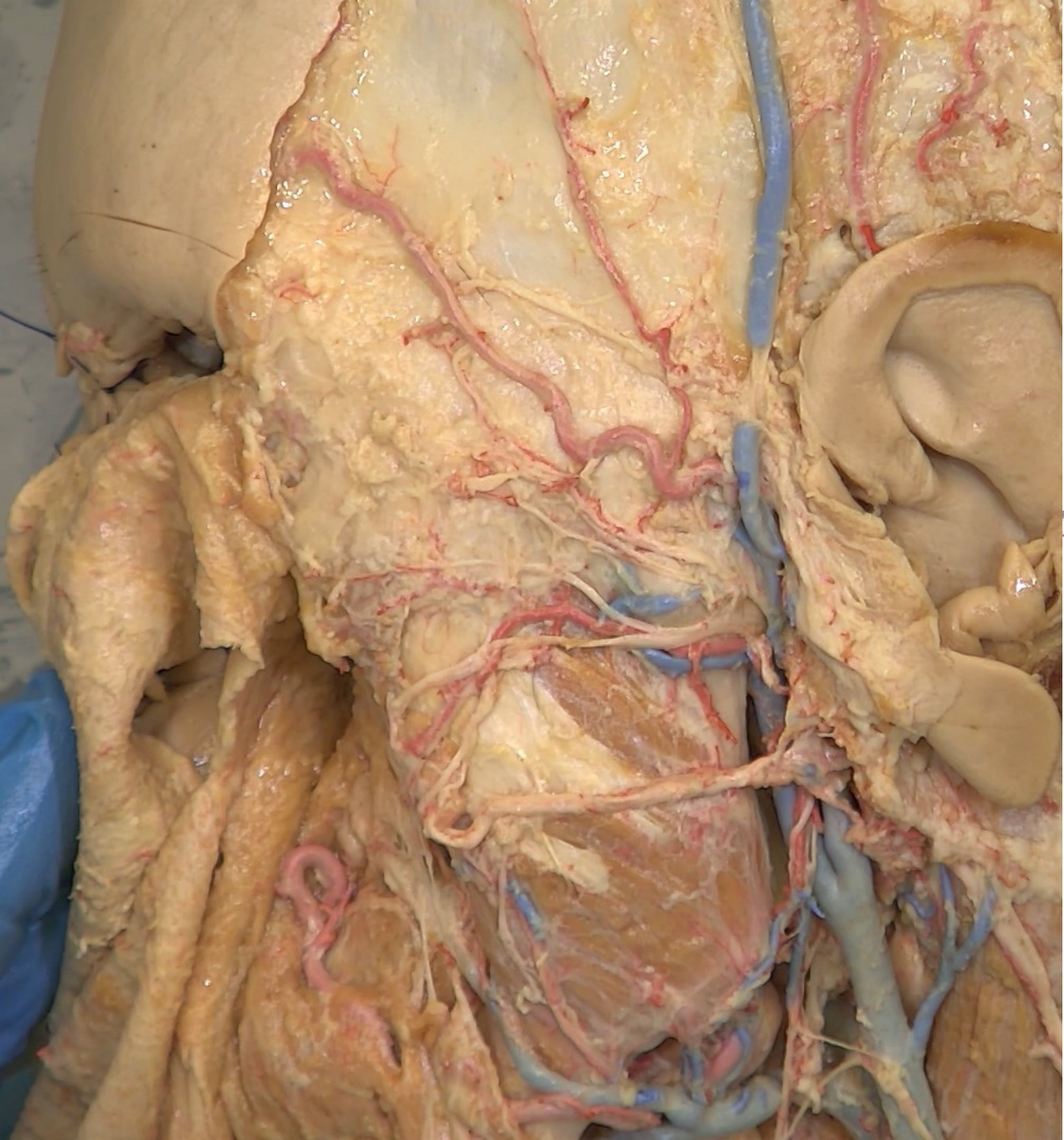
Jacobsonova anastomóza = odstup parasympatických vláken z plexus tympanicus cestou n. petrosus minor



NERVUS FACIALIS in the canalis nervi facialis



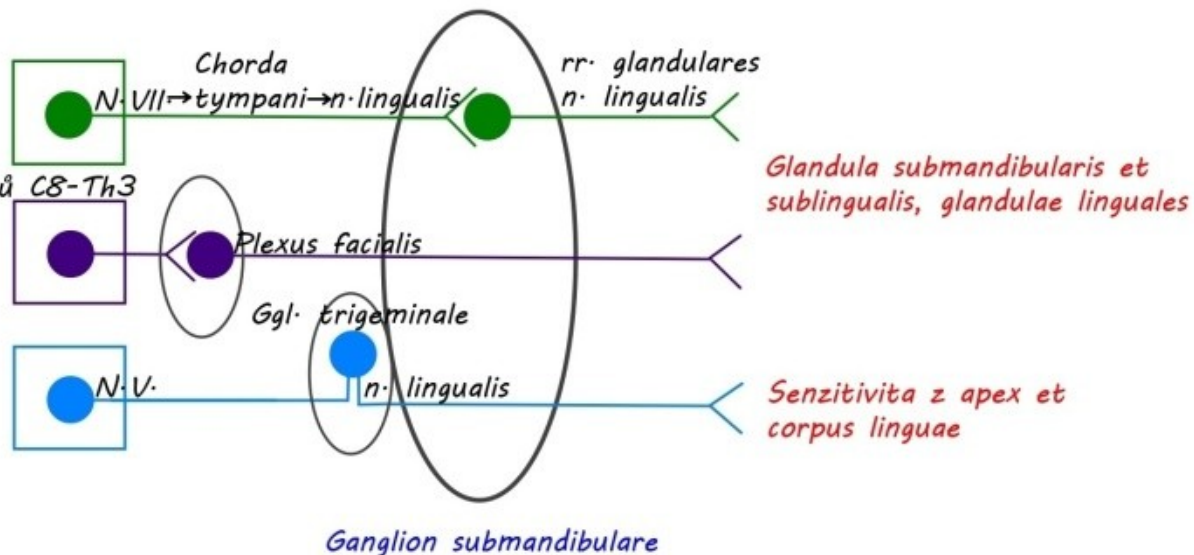




Ncl. salivatorius sup.

Ncl. intermediolateralis postr. míš. rohů C8-Th3

Ncl. spinalis et pontinus n. trigemini

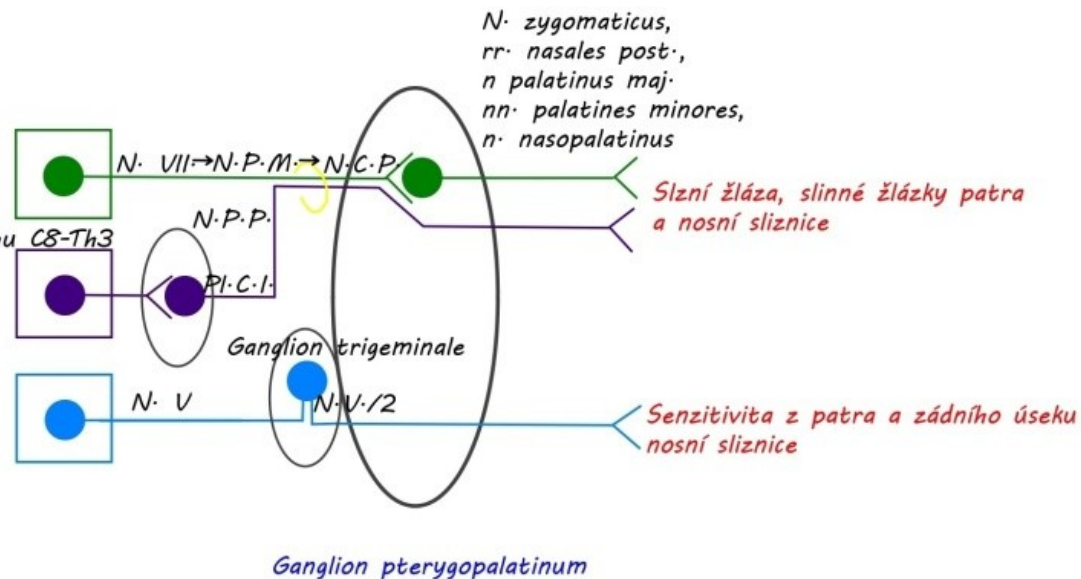


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Ncl. salivatorius sup.

Ncl. intermediolateralis postr. míš. rohu C8-Th3

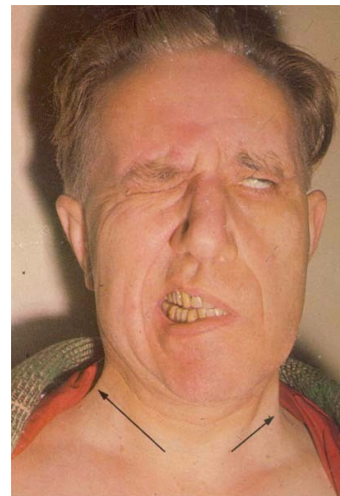
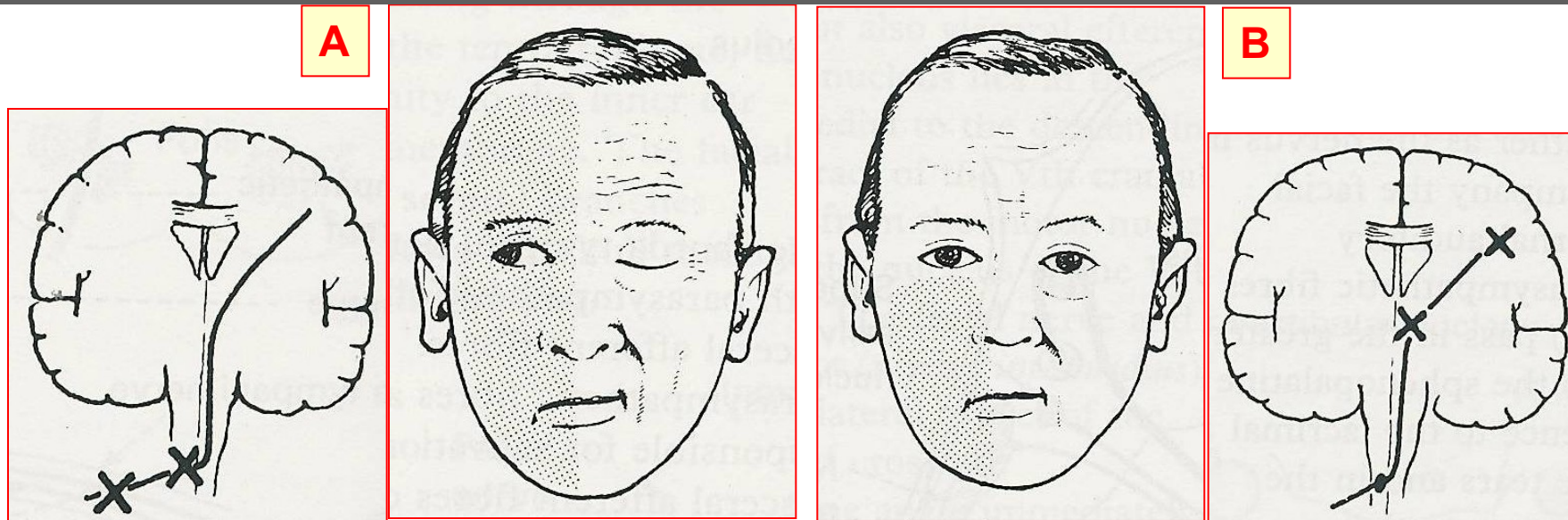
Ncl. spinalis et pontinus n. trigemini



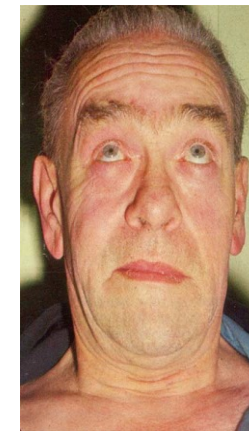
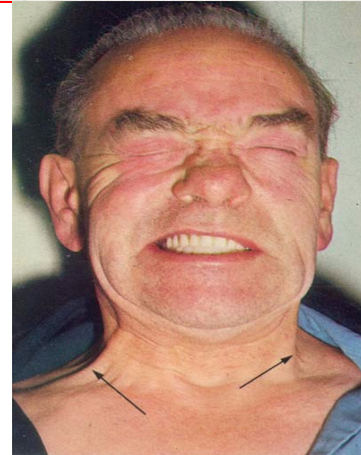
N.P.M. = Nervus palatinus major
 N.C.P. = Nervus canalis pterygoidei
 N.P.P. = Nervus petrosus profundus
 Pl.C.I. = Plexus caroticus internus

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PERIFERNÍ (A) + CENTRÁLNÍ OBRNA (B) N. VII

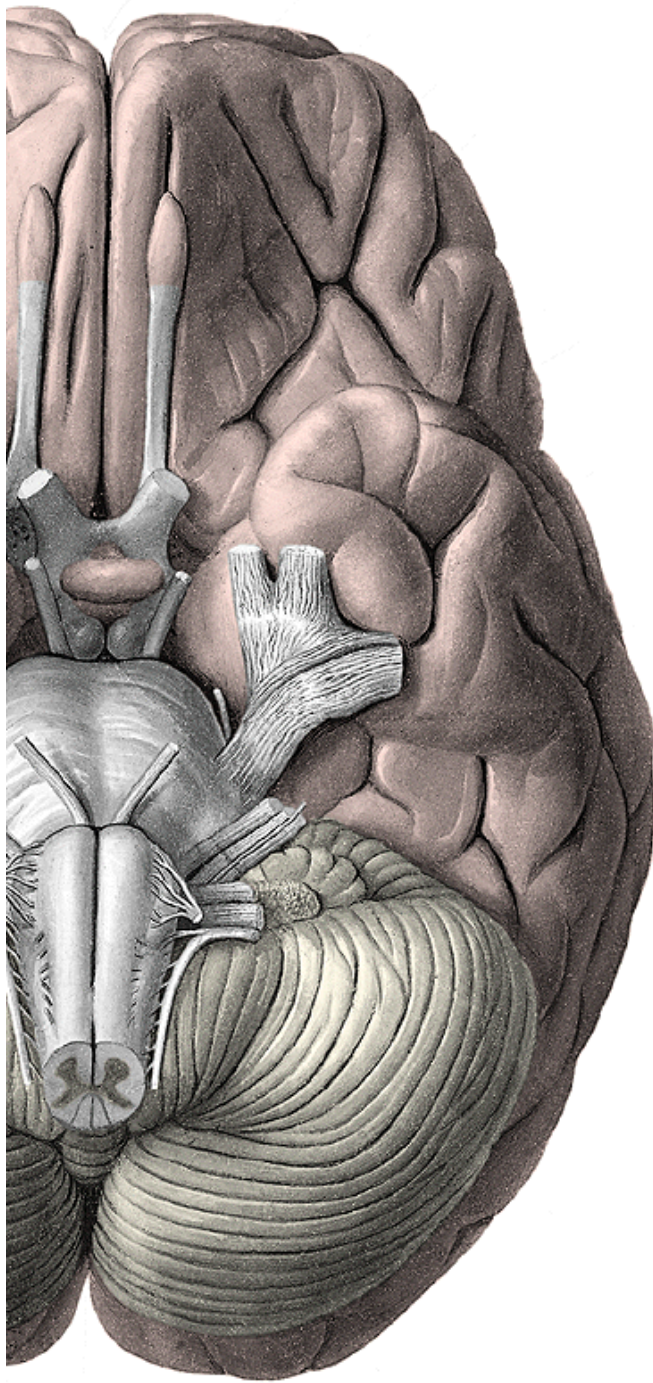
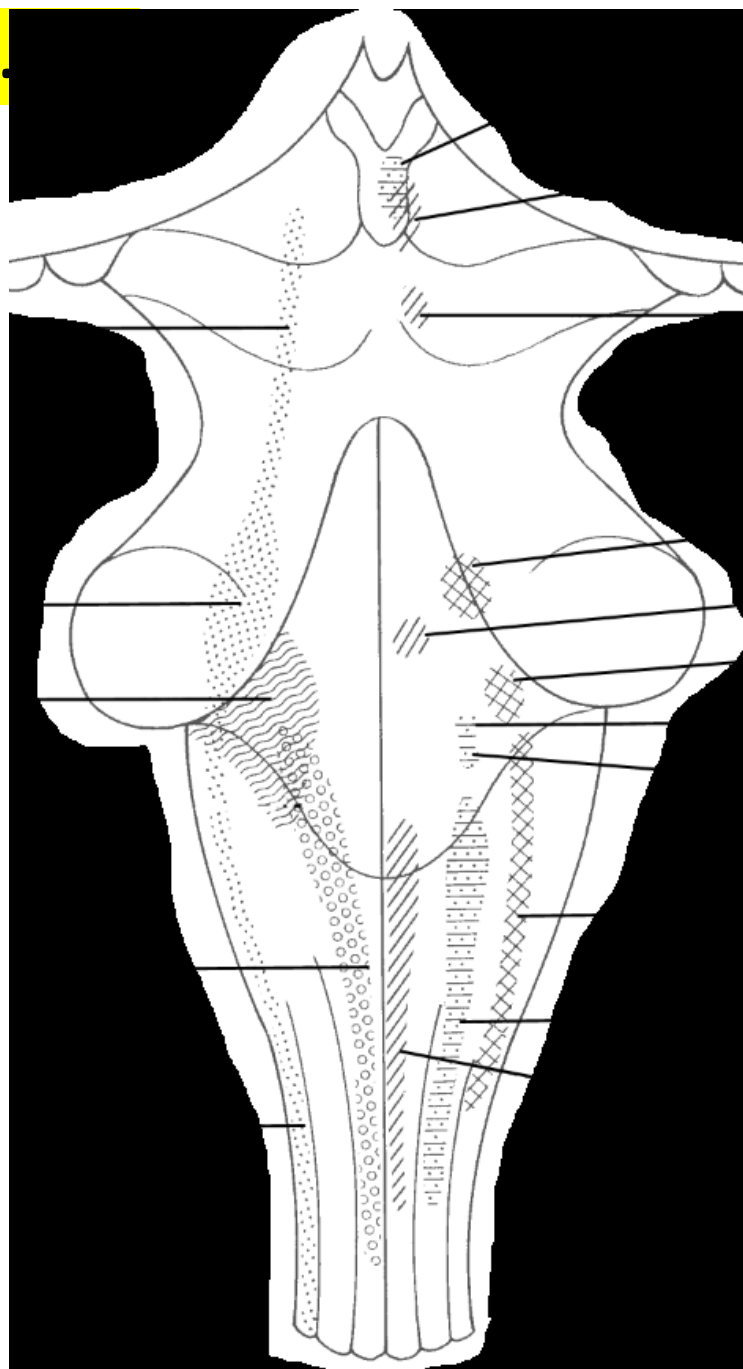


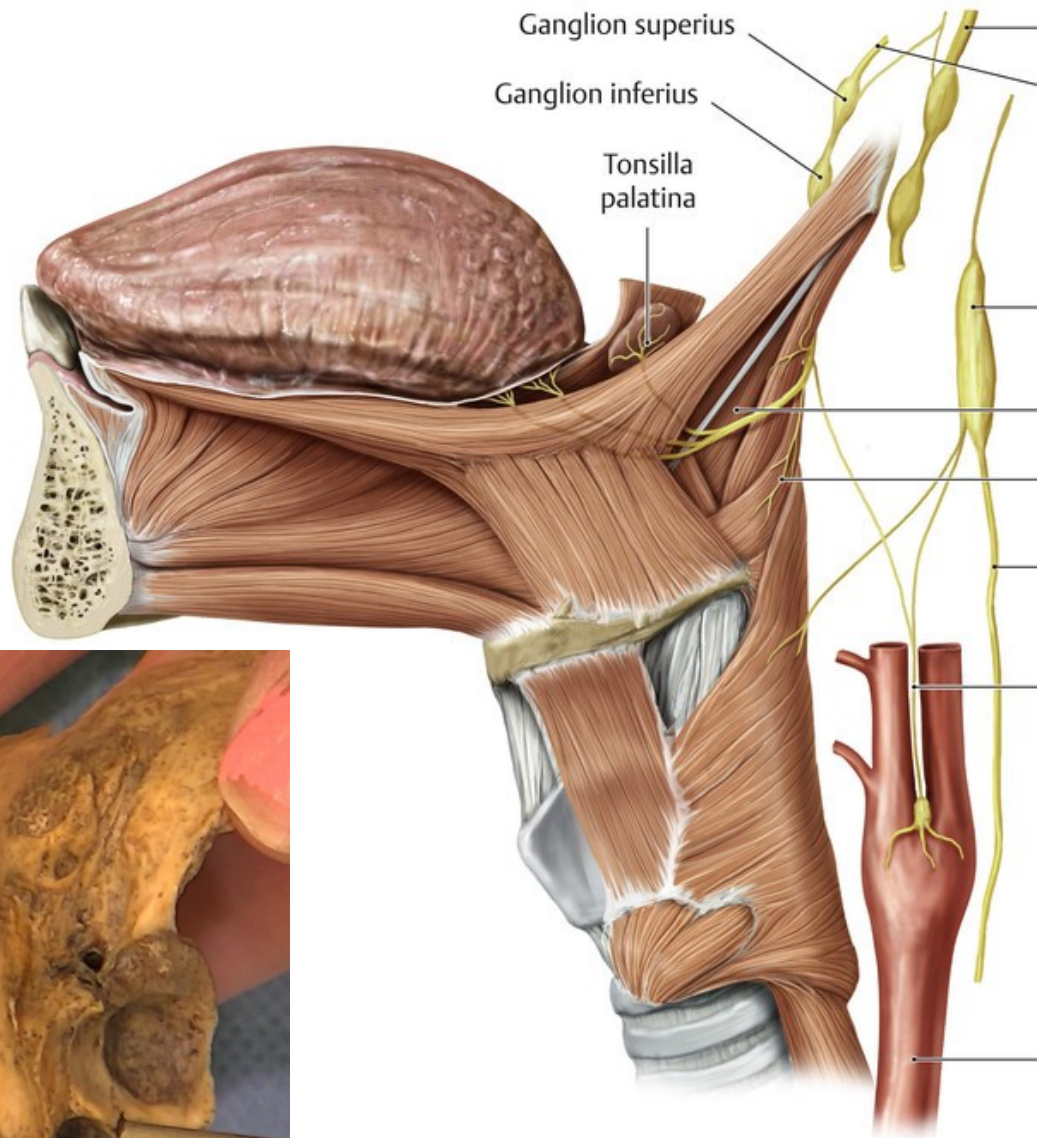
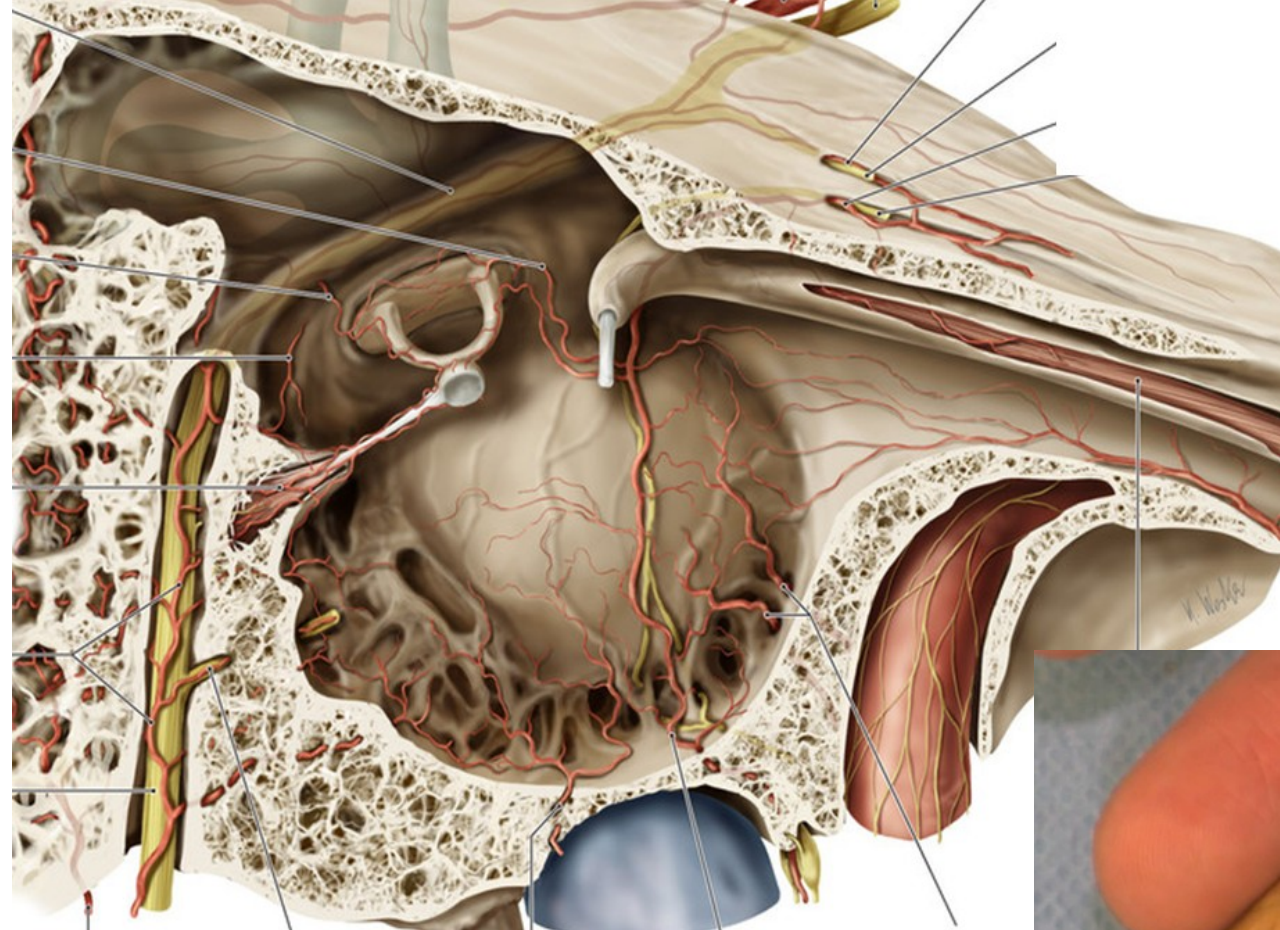
Obrna všech mimických svalů na homolaterální polovině obličeje při poškození motorického jádra n. VII nebo axonů jeho motorických buněk



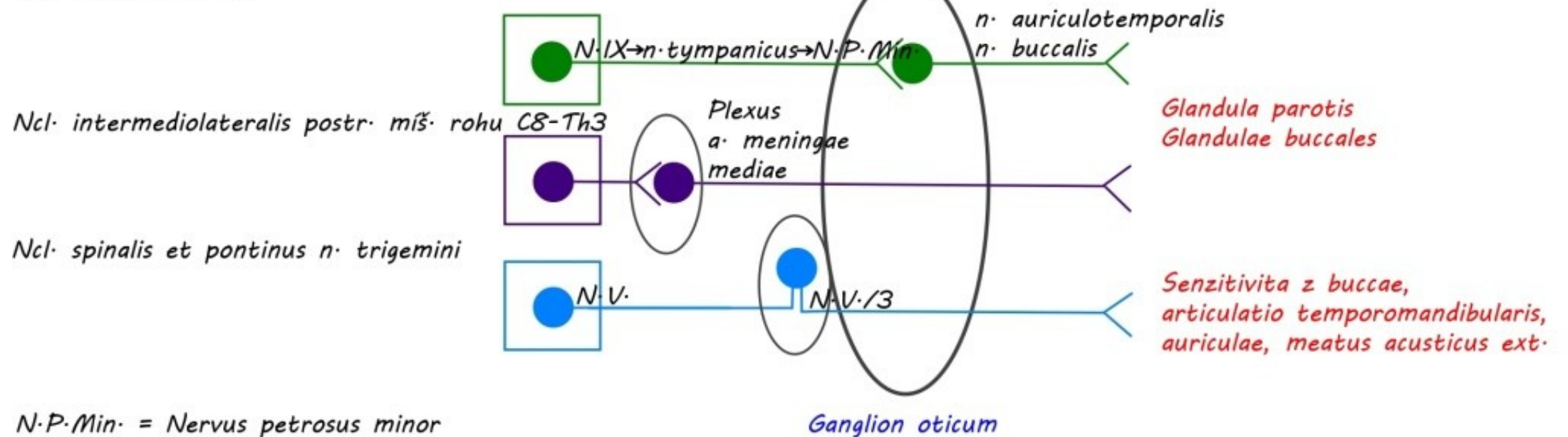
Kontralaterální obrna dolních mimických svalů při poškození supranukleární inervace motorického jádra n. VII: pokleslý koutek ústní. Horní mimické svaly zůstávají intaktní.

N.





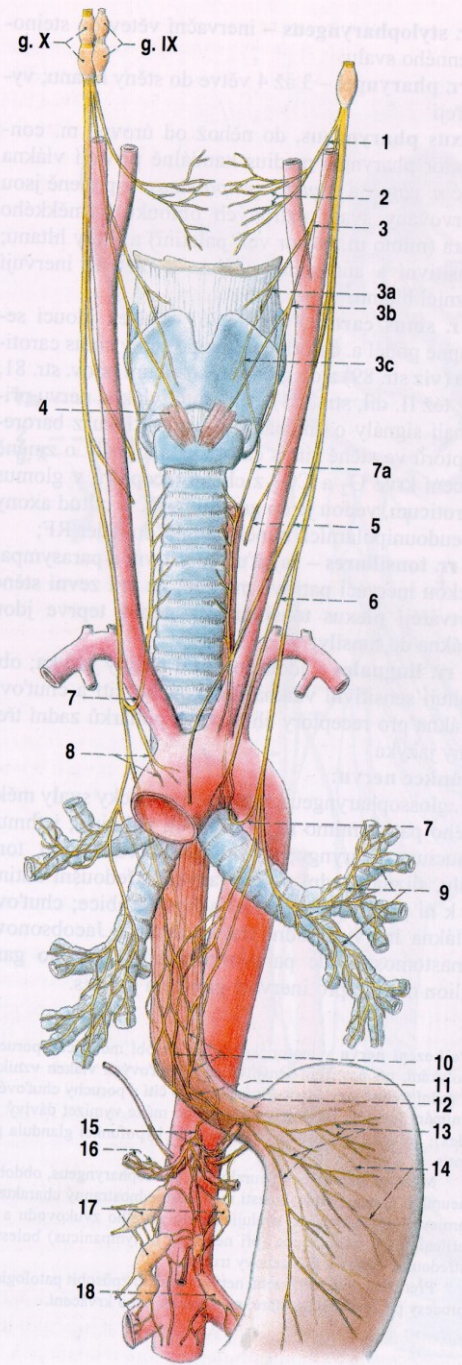
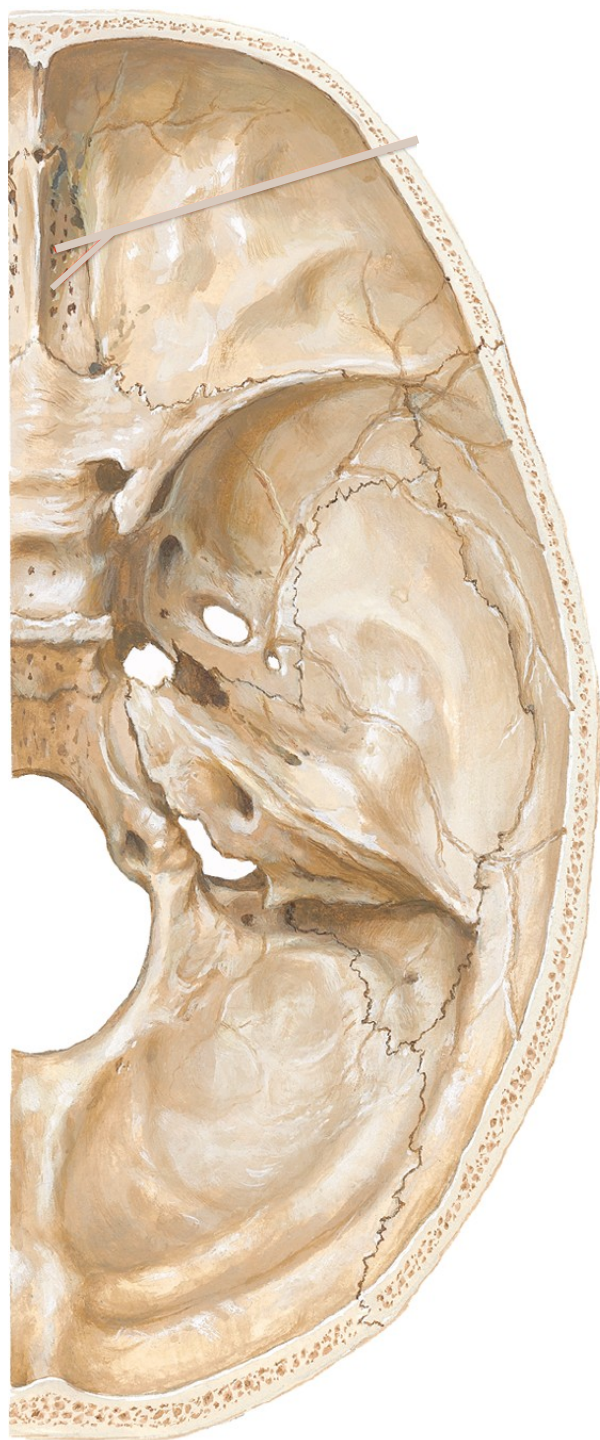
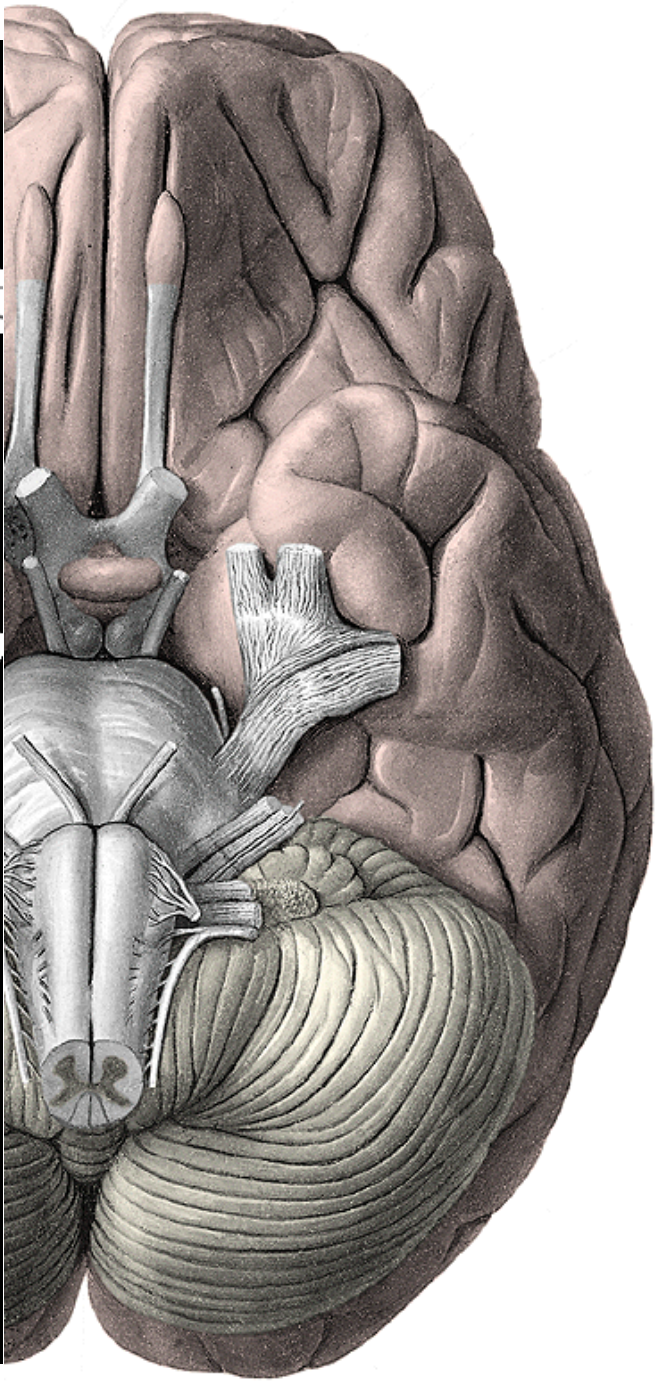
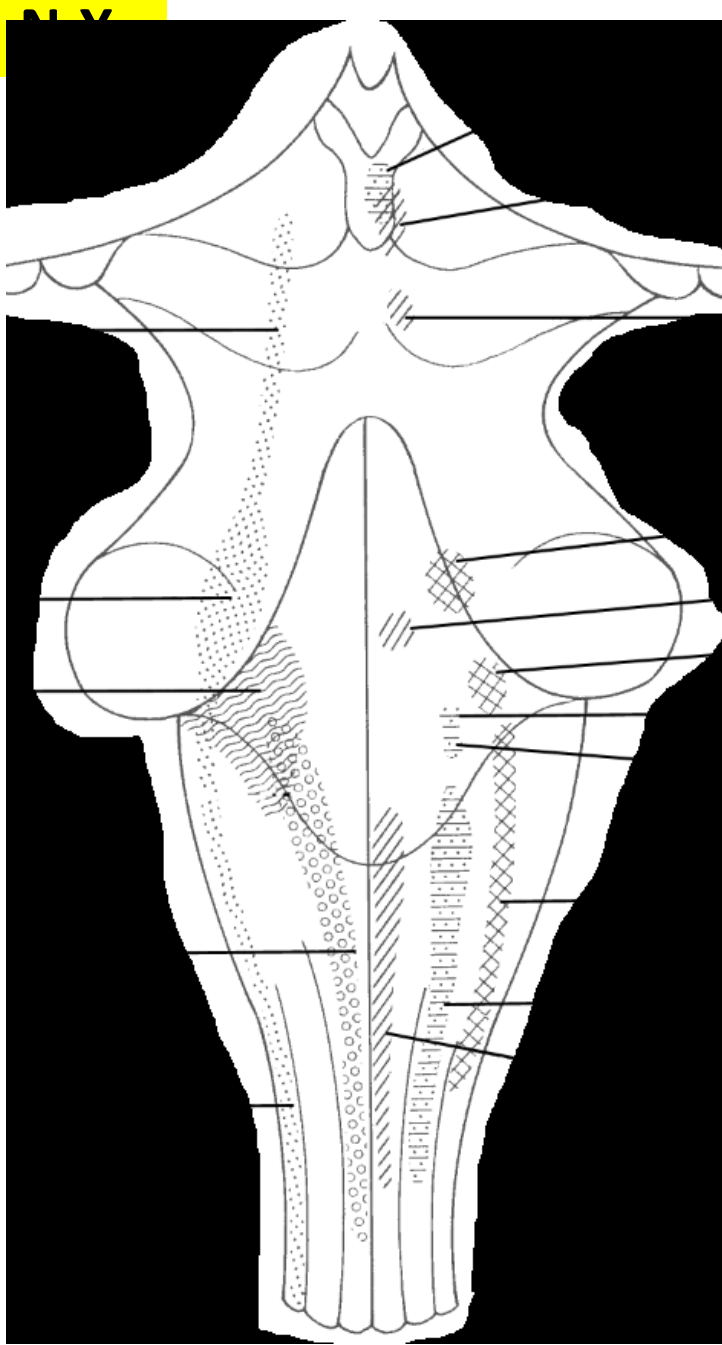
Ncl. salivatorius inf.



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Jacobsonova anastomóza = odstup parasympatických vláken z plexus tympanicus cestou n. petrosus minor

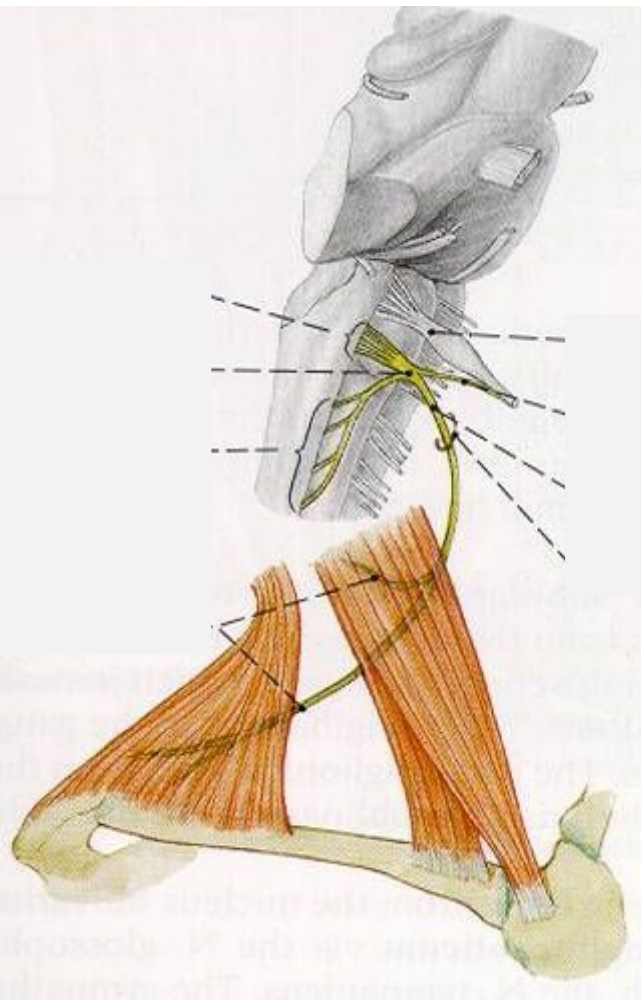
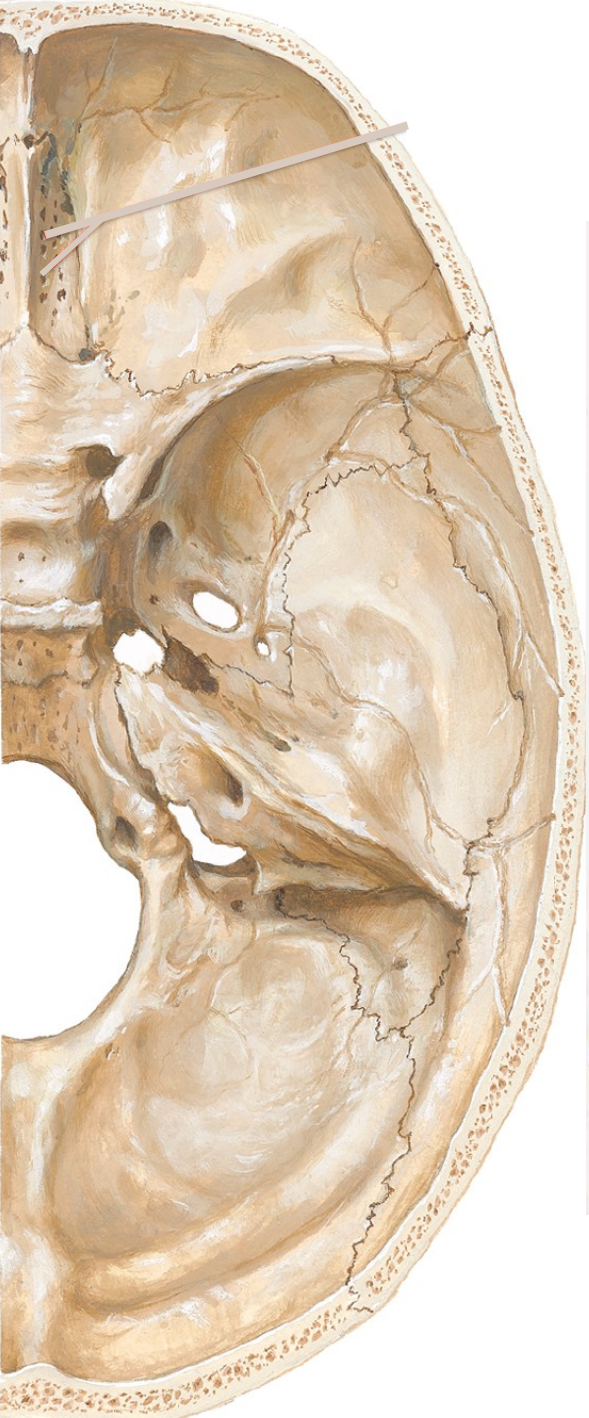
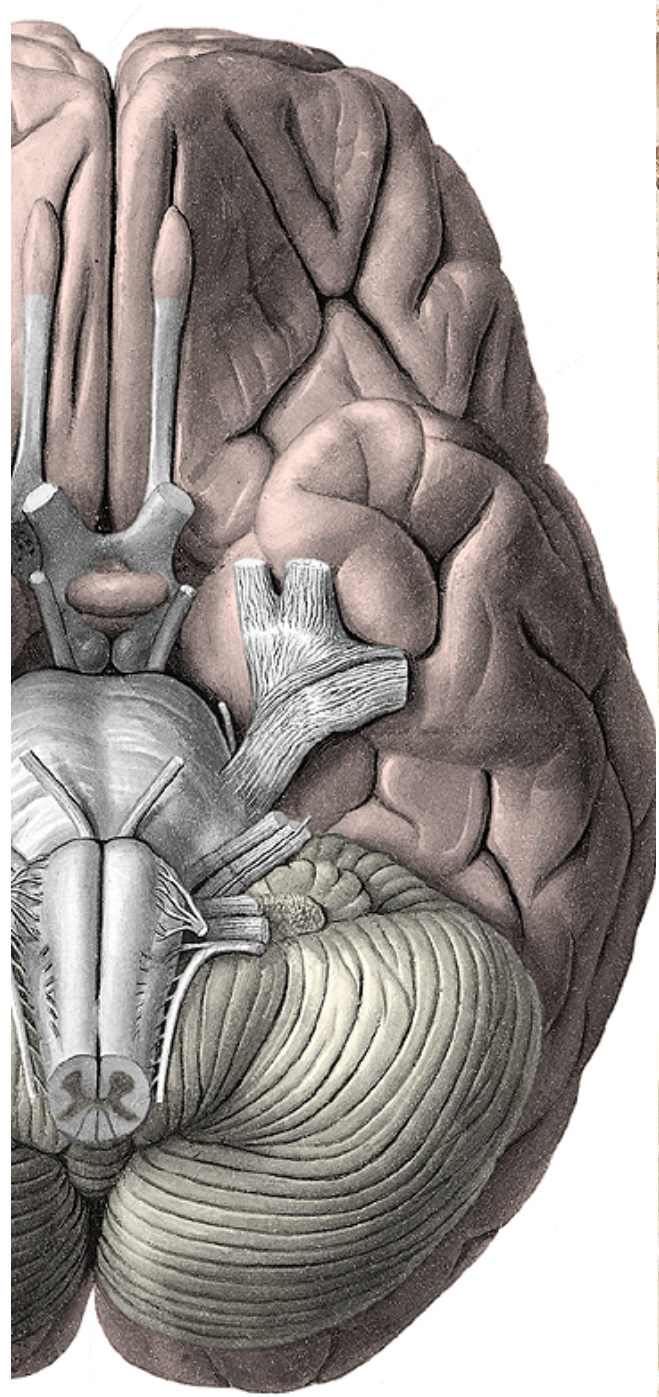
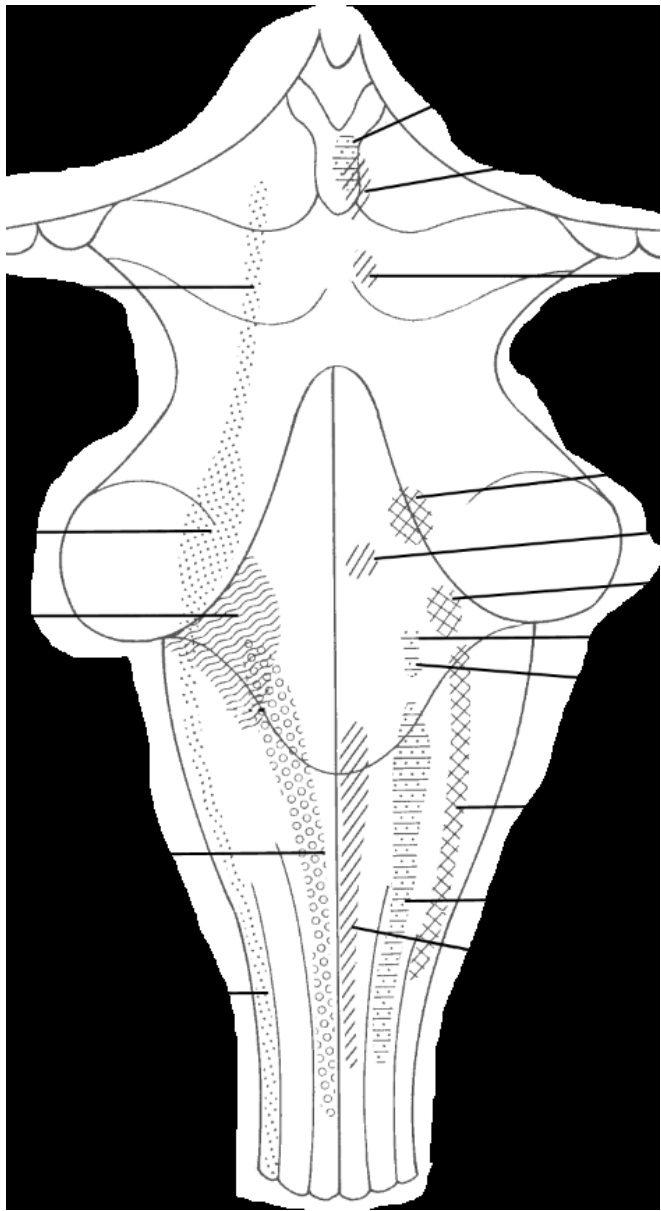






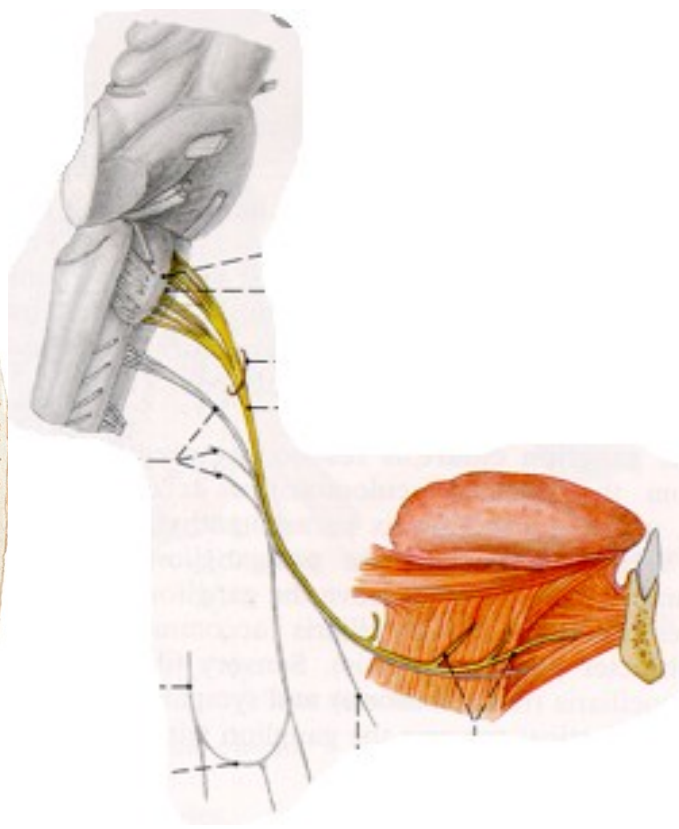
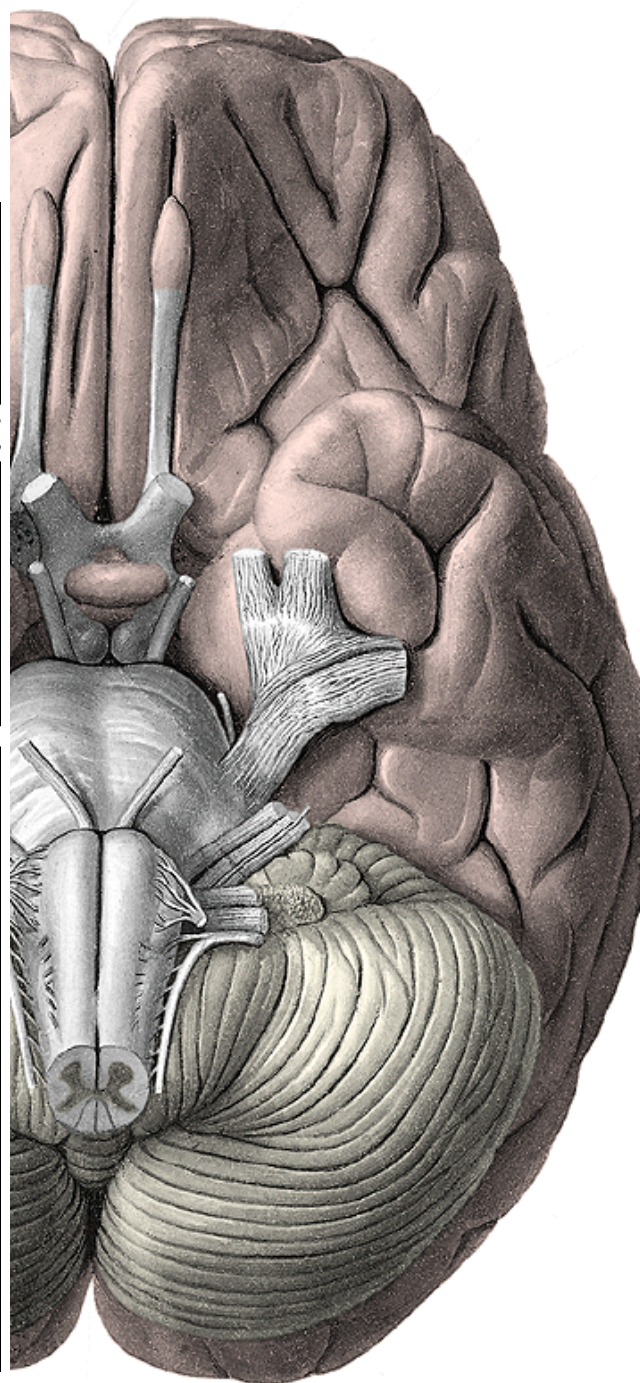
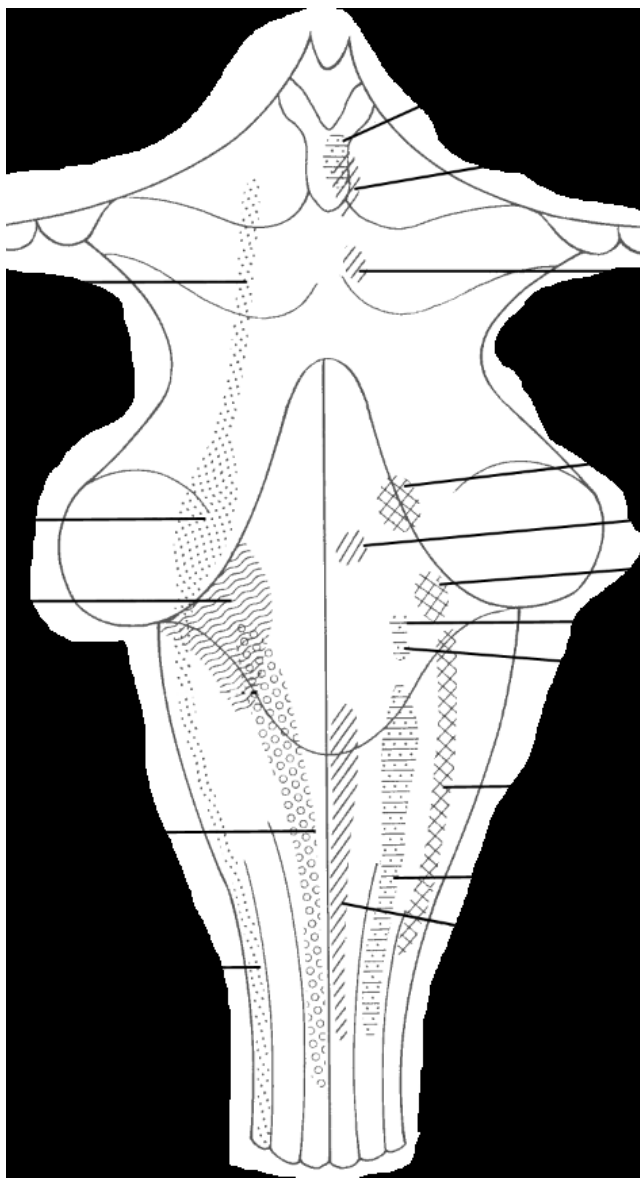


N.XI.





N.XII.





Hemiglossoplegie - jazyk vychýlen v klidu na zdravou stranu a při vyplazení na stranu postižení!

