

NN. CRANIALES

Osnova popisu HN:

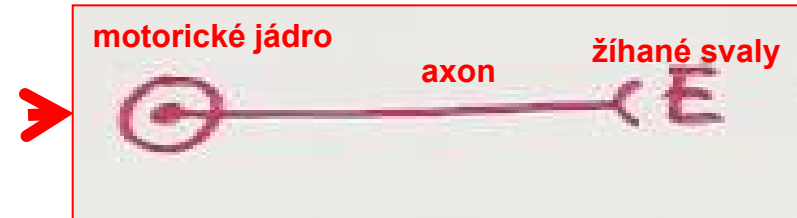
- 1. Název**
- 2. Jádro**
- 3. Výstup z mozku**
- 4. Prostup lebkou**
- 5. Spektrum vláken**
- 6. Ganglia**
- 7. Inervované struktury**

SPEKTRUM VLÁKEN HLAVOVÝCH NERVŮ

1. VLÁKNA MOTORICKÁ - eferentní

Axony neuronů motorických jader HN III, IV, V, VI, VII, IX-XII

Bez přerušení směřují k efektorům = příčně pruhovaným svalům v oblasti hlavy (a krku).



2. VLÁKNA PARASYMPATICKÁ: HN III, VII, IX, X - eferentní

Do jejich průběhu vložena **parasympatická ganglia**:

N. III - GANGLION CILARE (N.III)

N. VII - GANGLION PTERYGOPALATINUM ET SUBMANDIBULARE

N. IX - GANGLION OTICUM

N. X - GGL. u orgánů

Preganglioivá vlákna vystupují z **pasy jader**

Postgangliová vlákna vystupují z **pasy ganglií**: Směřují k efektorům = **hladké svalovině a žlázám** v oblasti hlavy



3. VLÁKNA SENZORICKÁ A SPECIÁLNÍ SENZORICKÁ

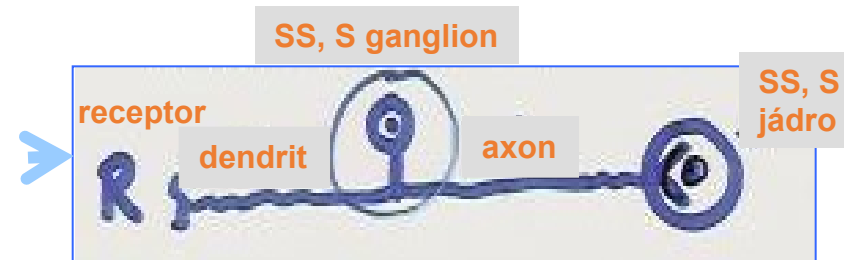
Dendrity + axony pseudounipolárních buněk

senzorických a speciálních senzorických ganglií:

N. V - GANGLION TRIGEMINALE

N. VII - GANGLION GENICULI

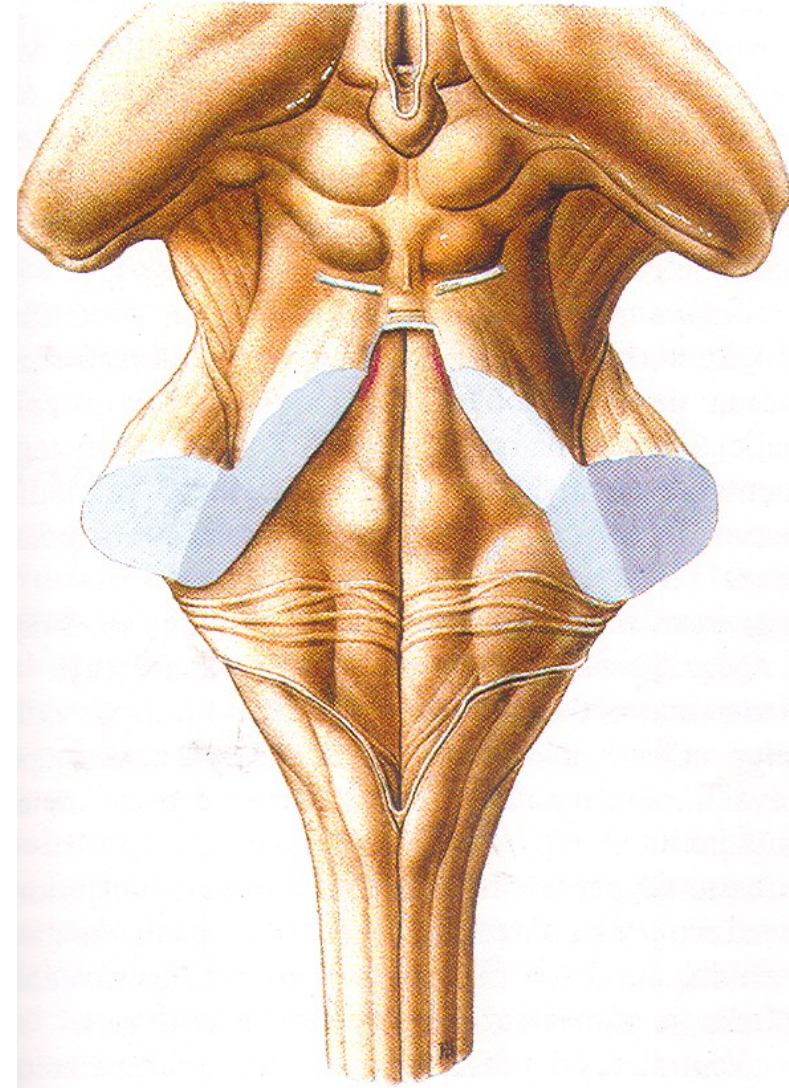
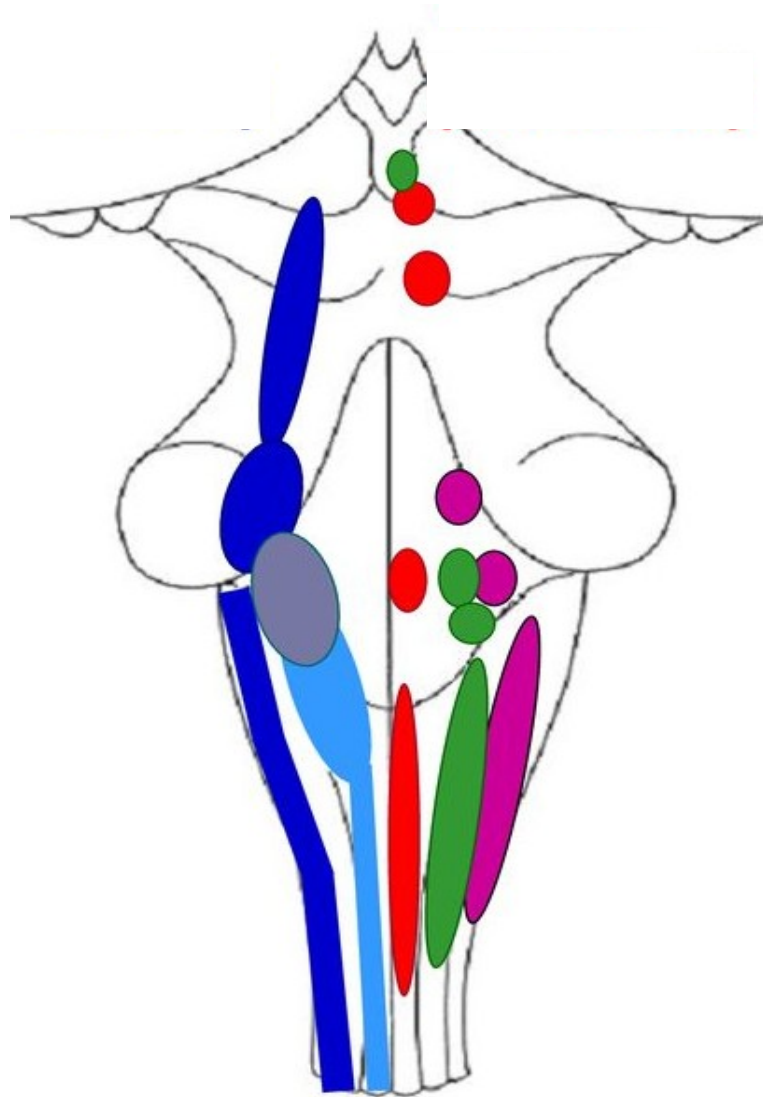
N. IX + X - GANGLION SUP. ET INF.



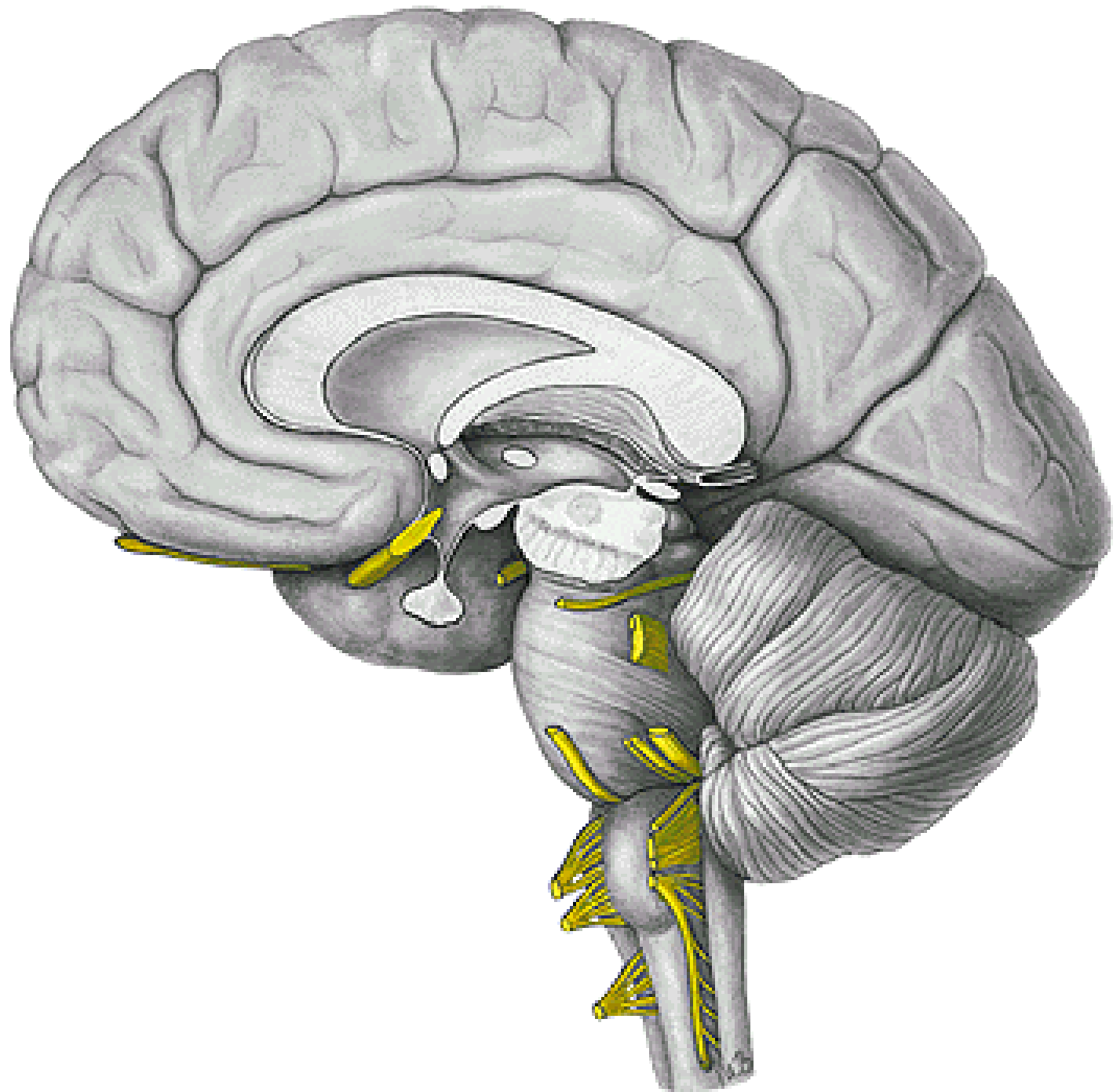
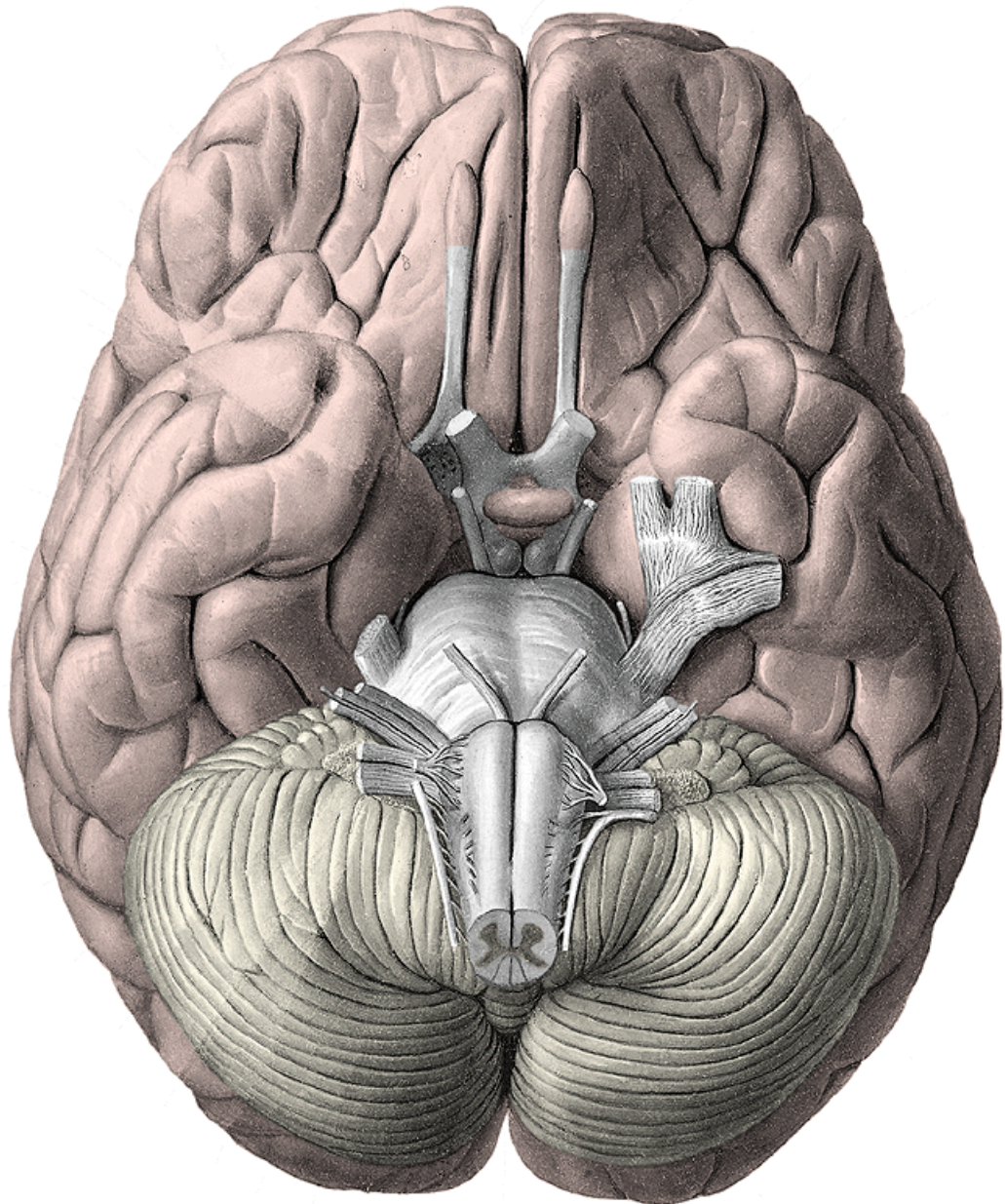
JÁDRA HLAVOVÝCH NERVŮ

III – XII

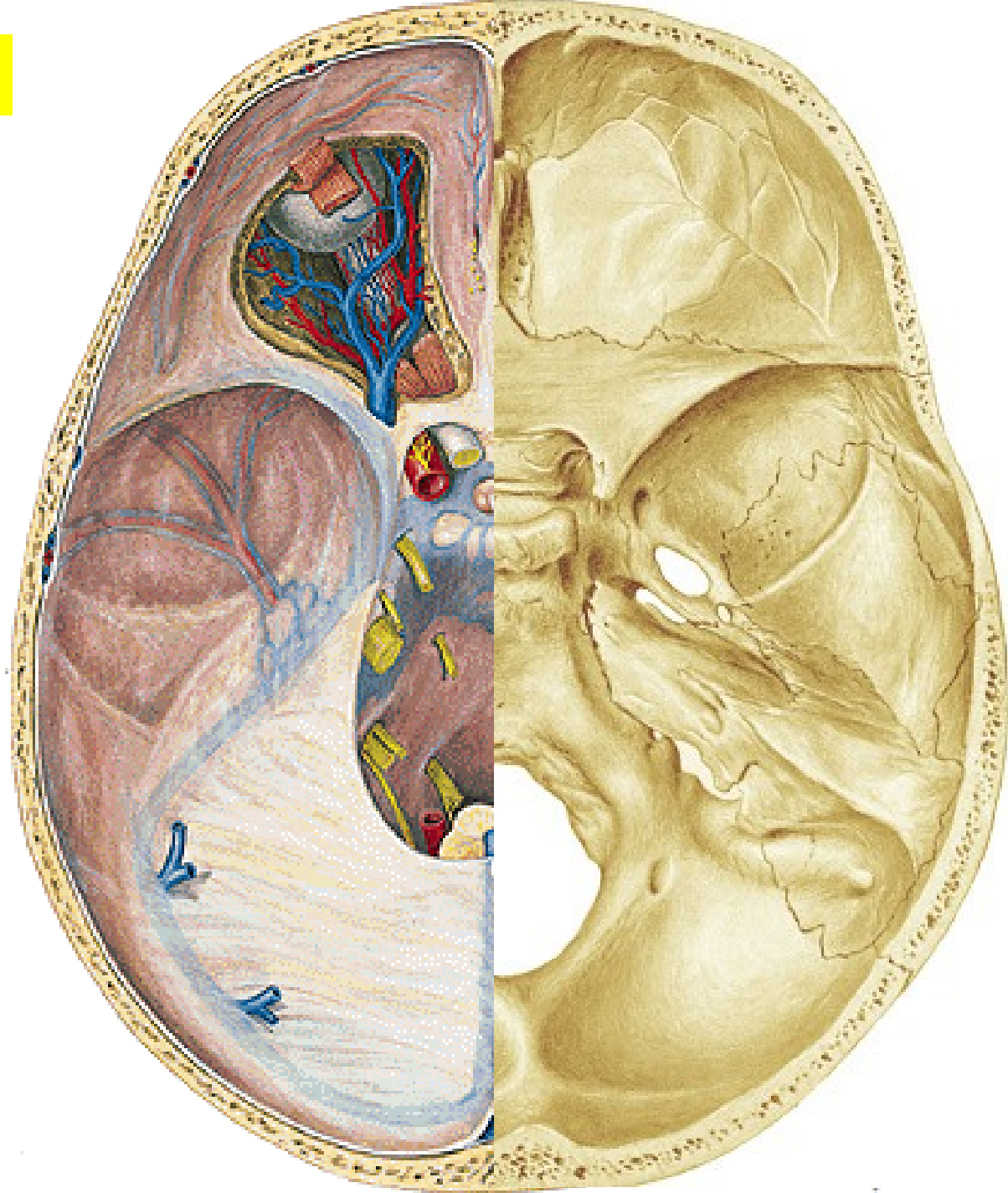
ve kmeni mozkovém - pod spodinou IV. komory



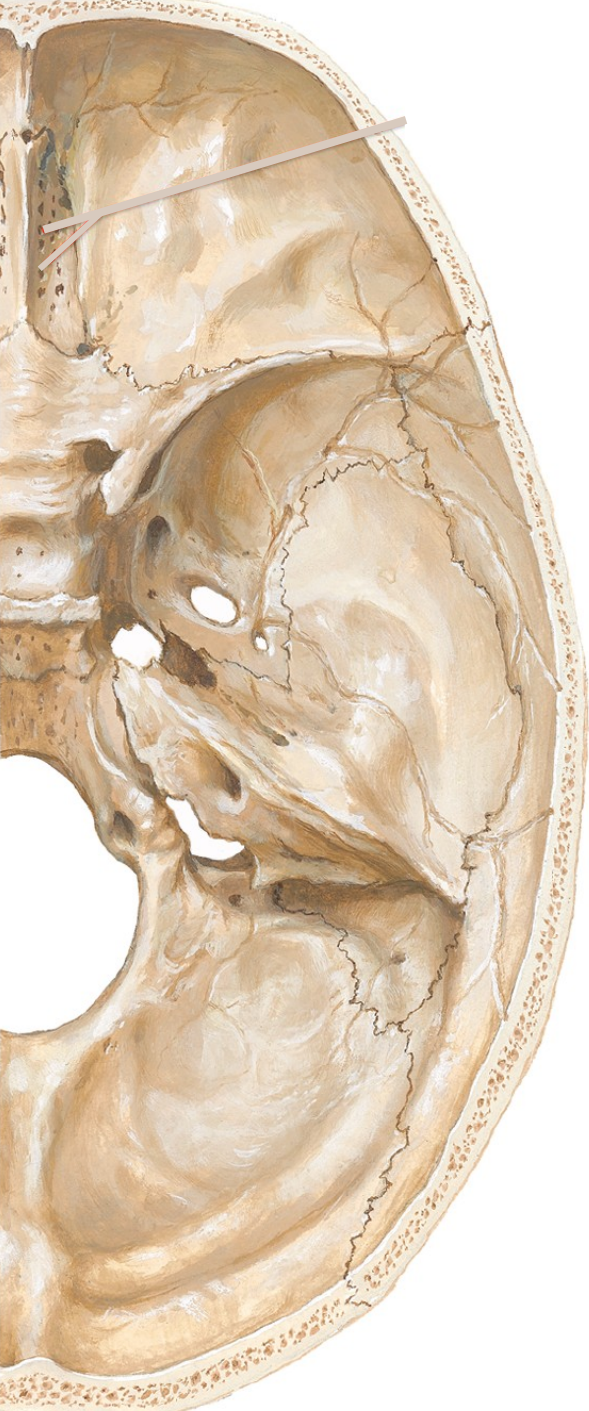
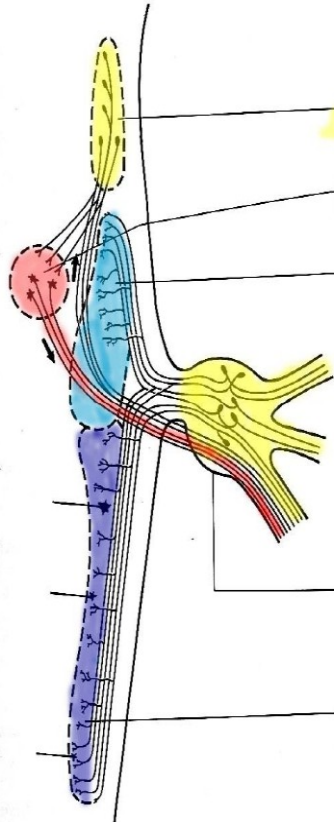
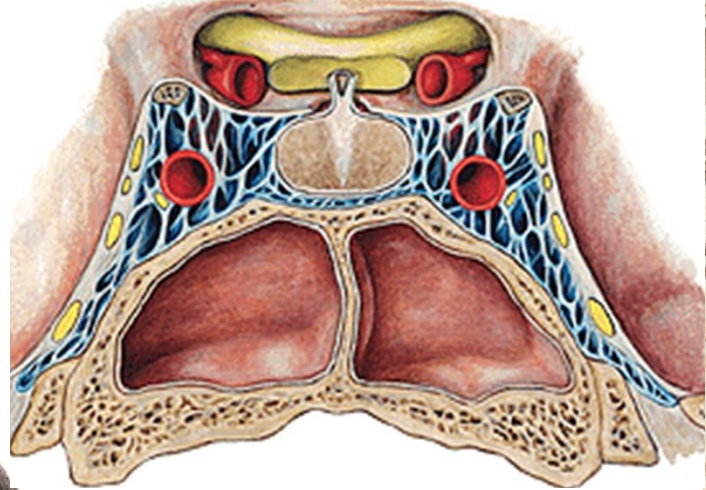
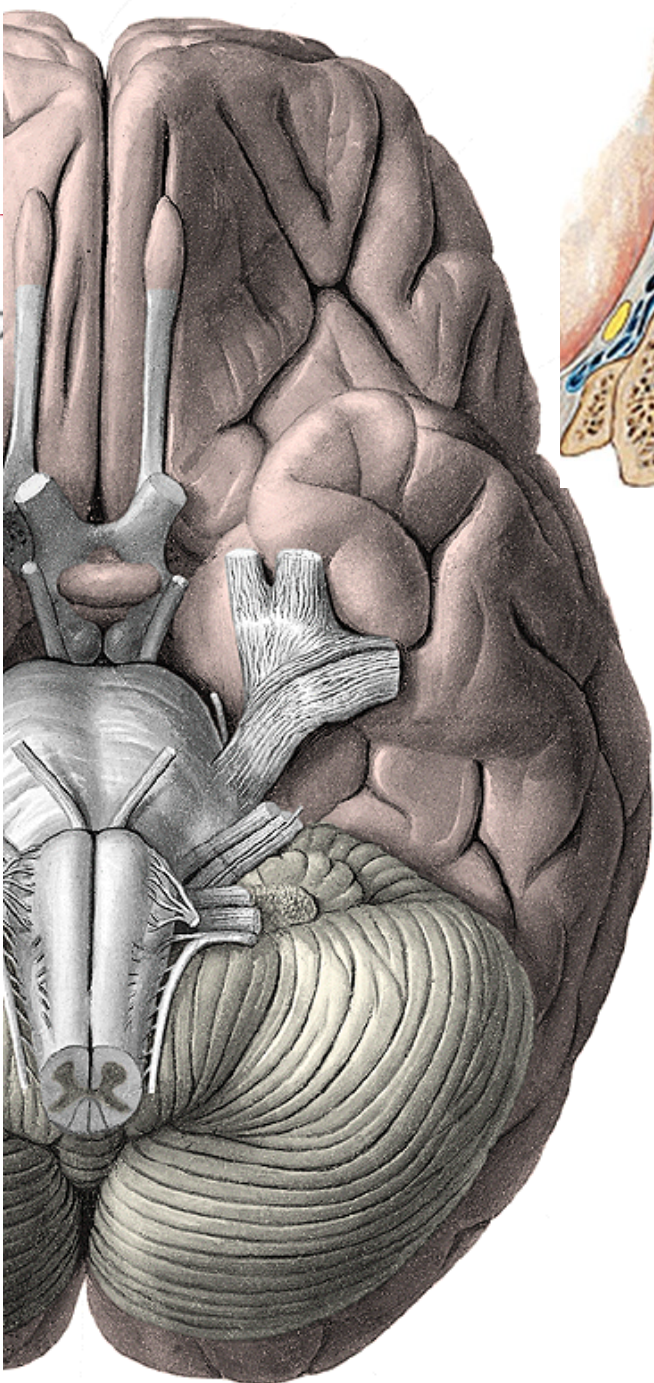
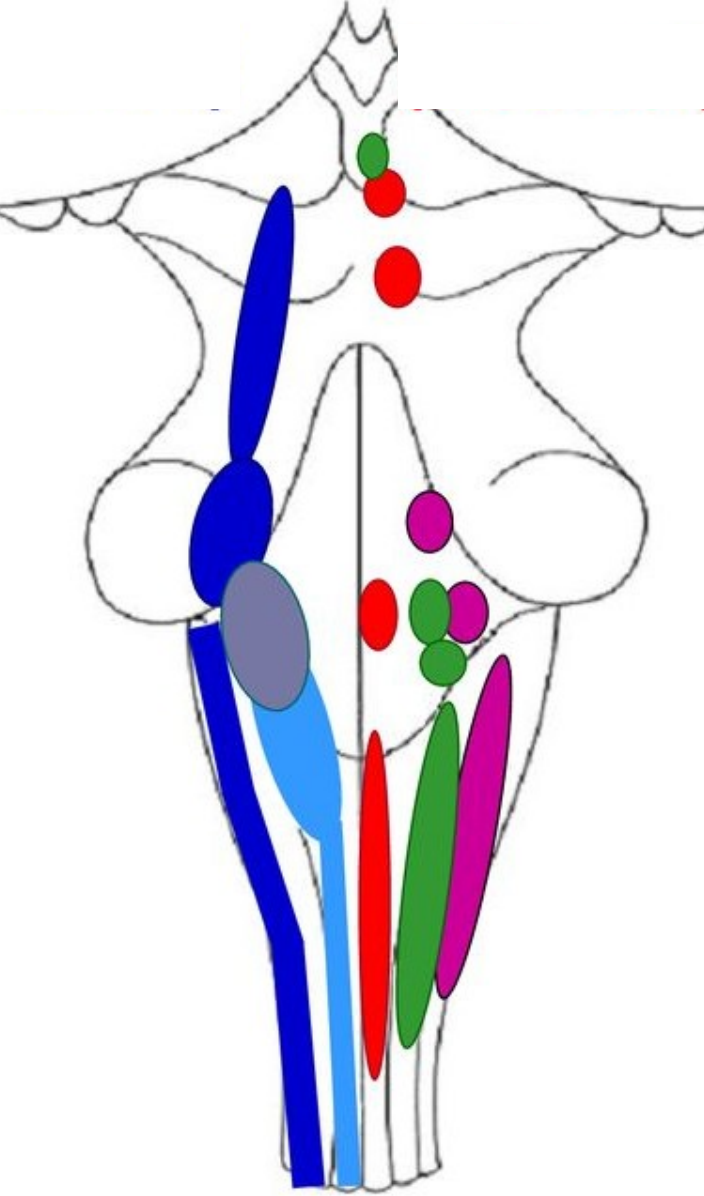
VÝSTUPY Z MOZKU



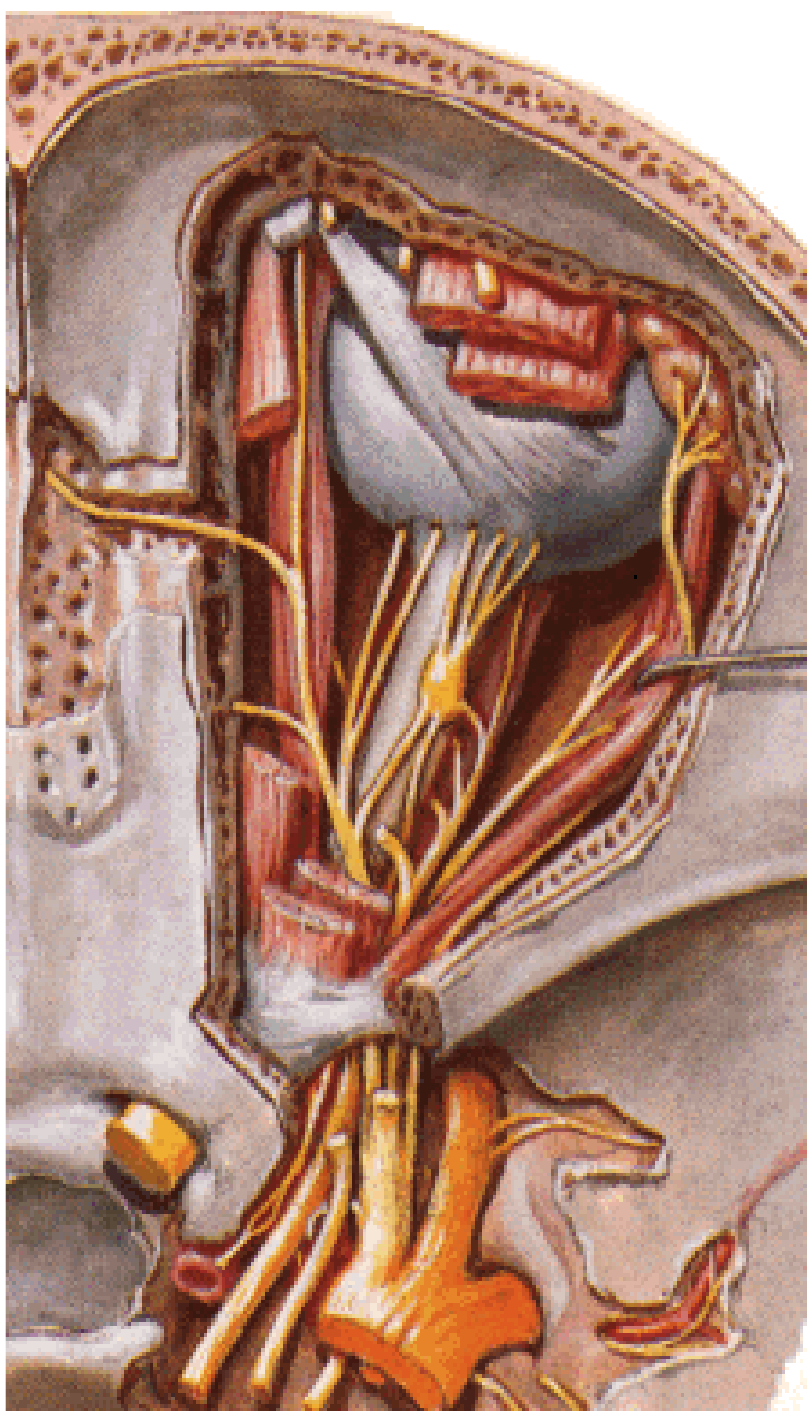
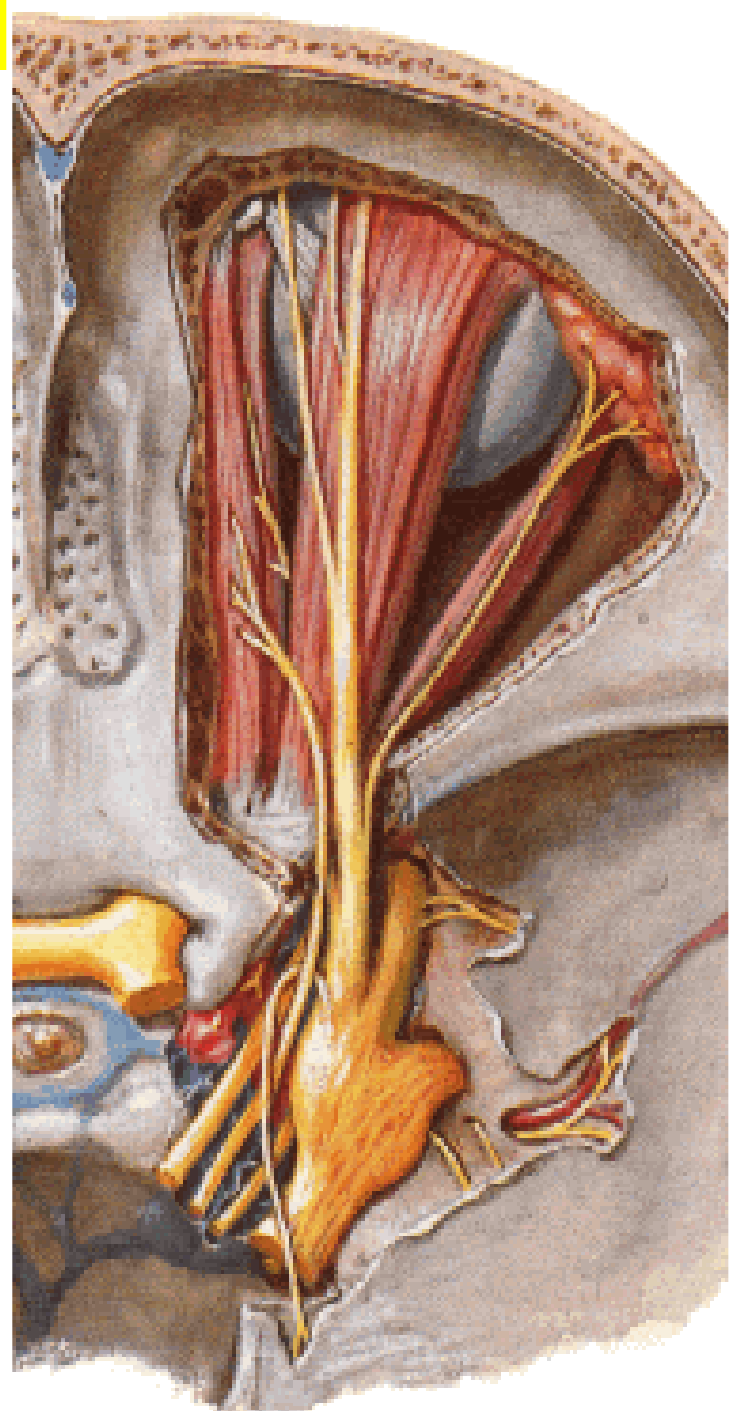
VÝSTUPY Z LEBKY



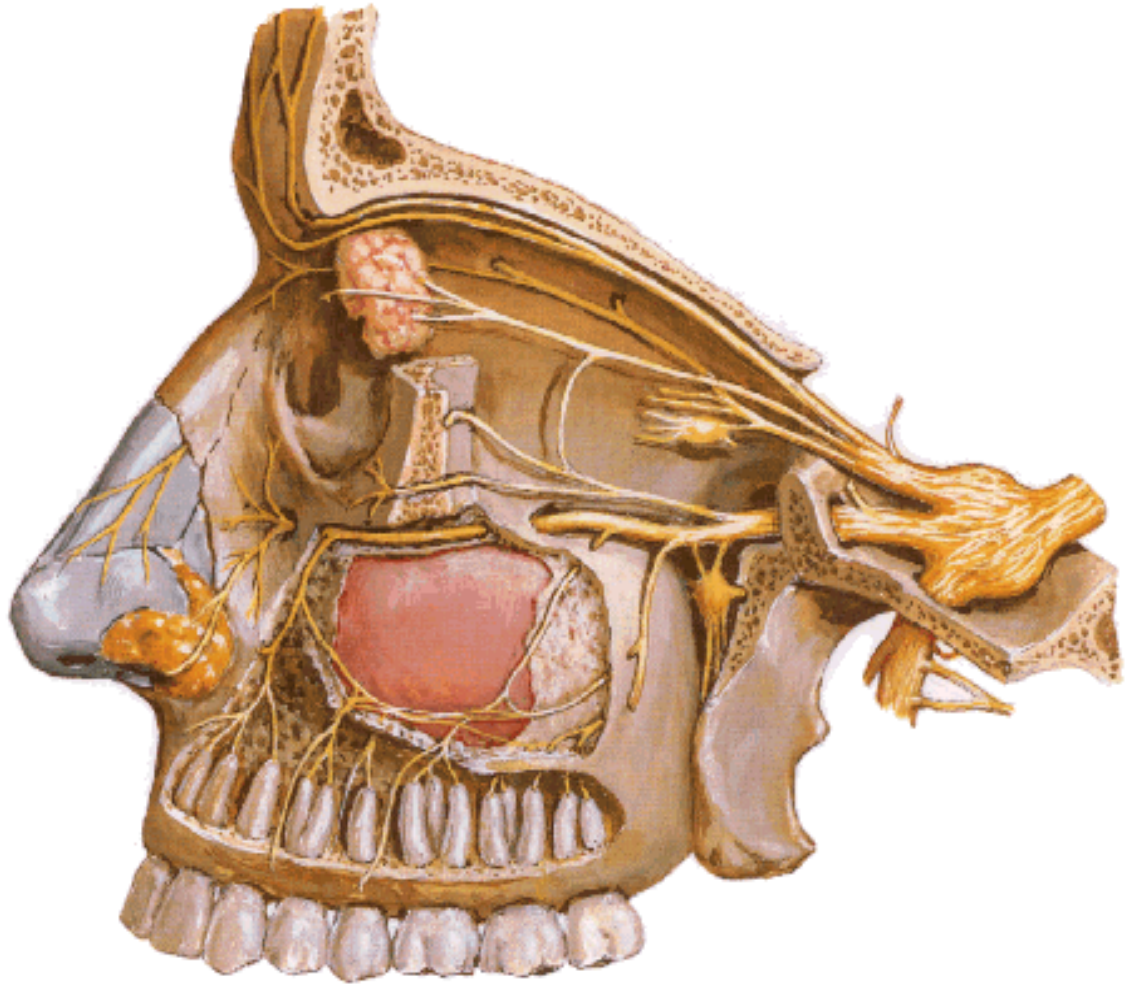
N.V.



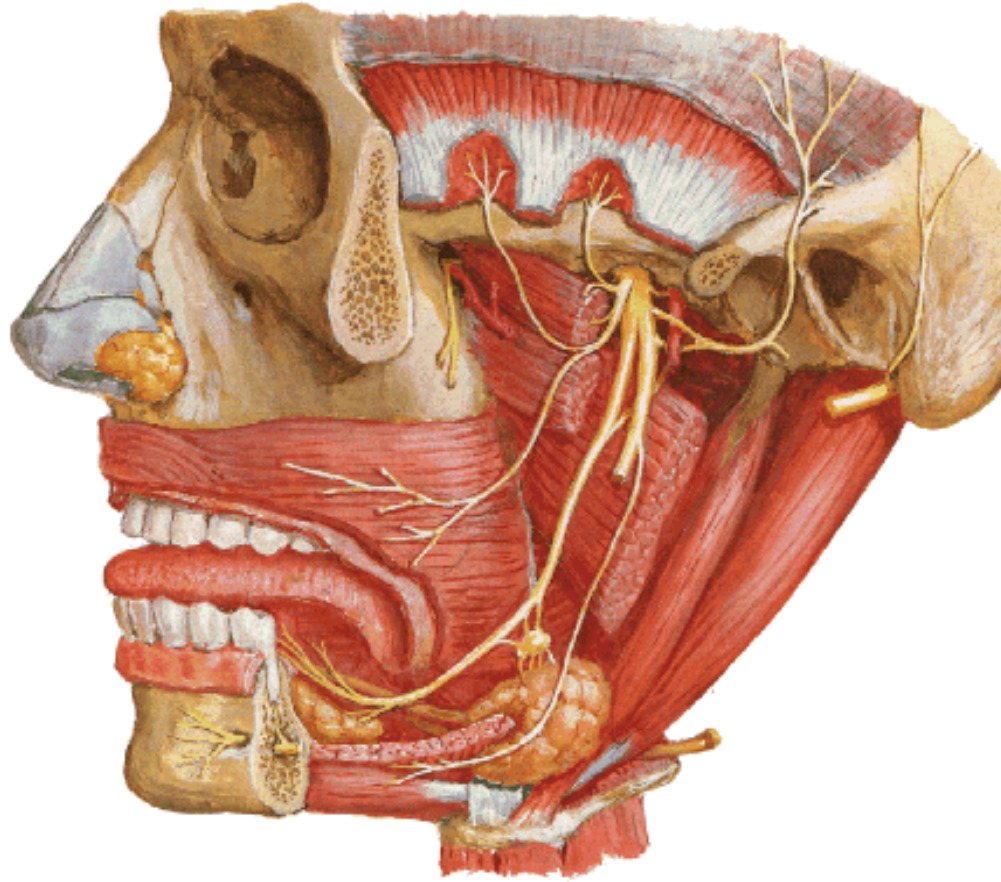
NERVUS OPHTHALMICUS (N. V₁)



NERVUS MAXILLARIS (N. V₂)

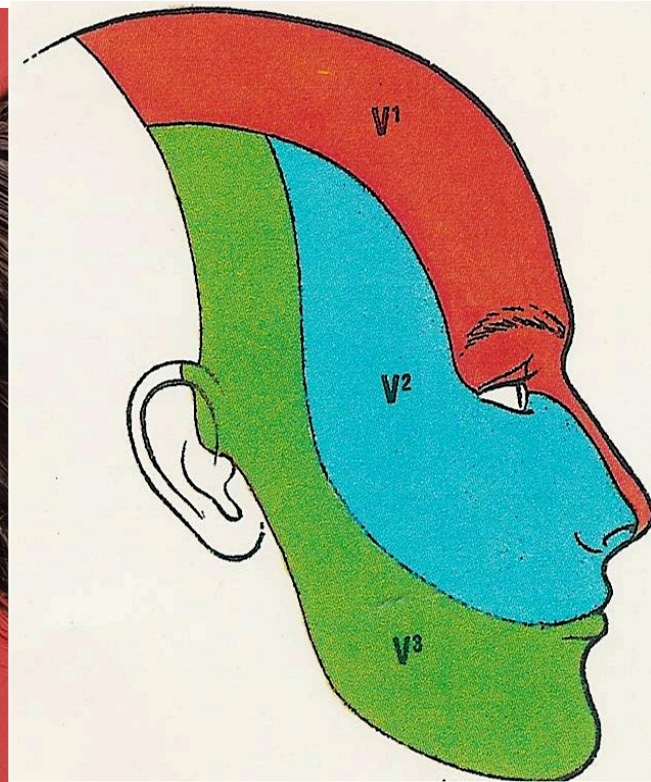


NERVUS MANDIBULARIS (N. V₃)





Inervační oblasti větví n.V.:



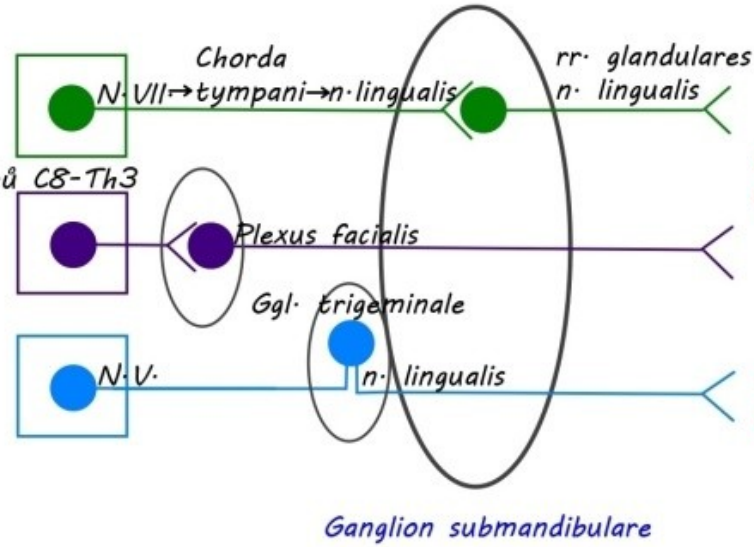
Palpační body větví n.V.:



Ncl. salivatorius sup.

Ncl. intermediolateralis postr. miš. rohů C8-Th3

Ncl. spinalis et pontinus n. trigemini



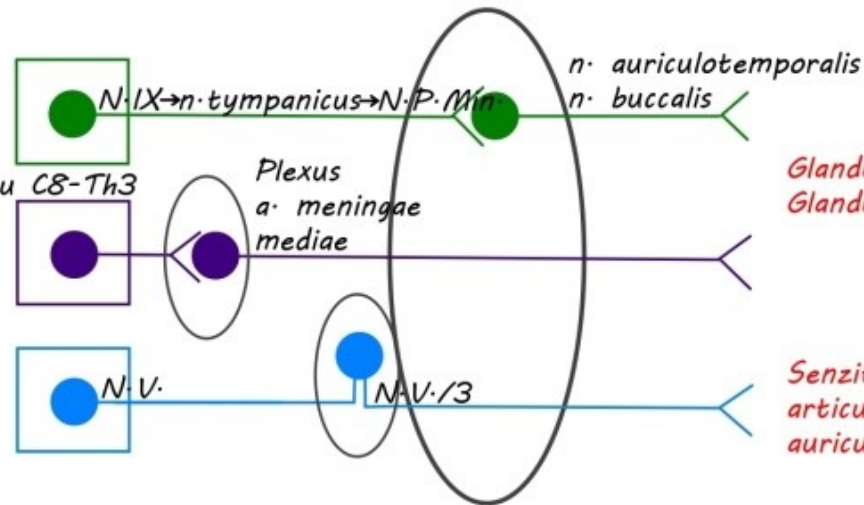
Glandula submandibularis et sublingualis, glandulae linguales

Senzitivita z apex et corpus linguae

Ncl. salivatorius inf.

Ncl. intermediolateralis postr. miš. rohu C8-Th3

Ncl. spinalis et pontinus n. trigemini



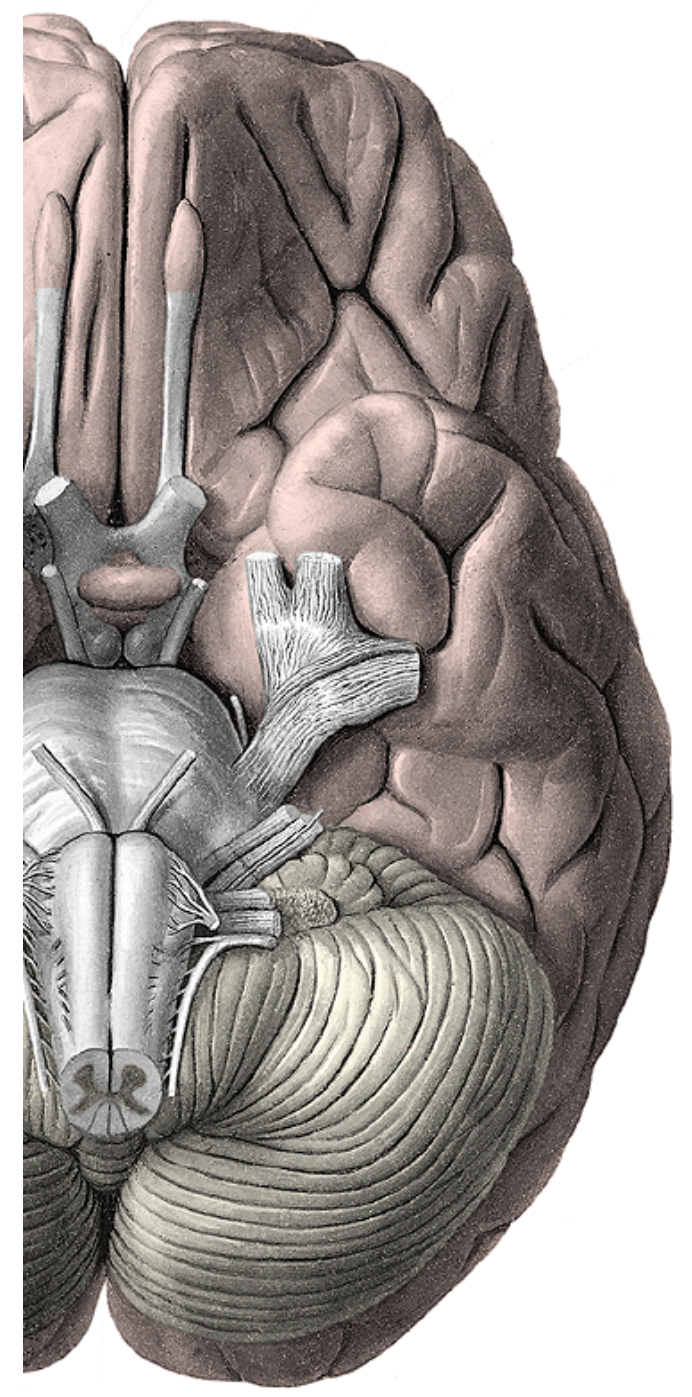
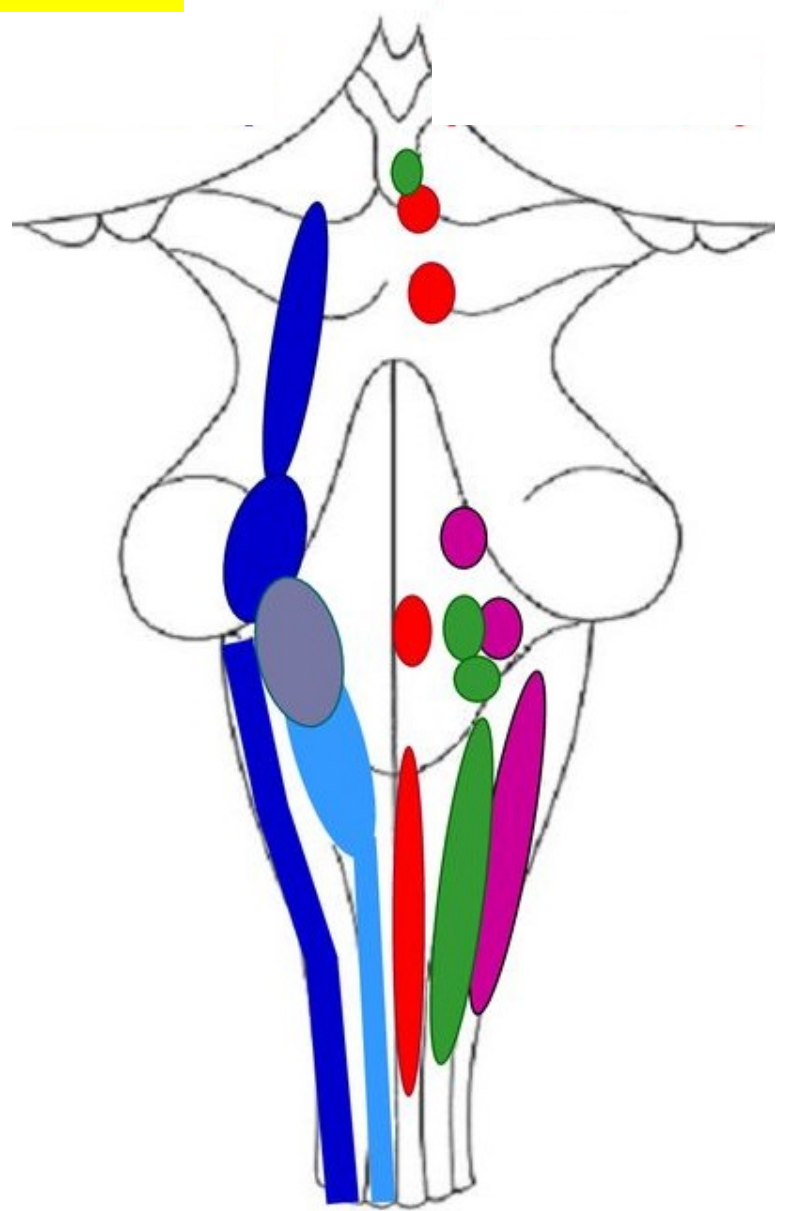
*Glandula parotis
Glandulae buccales*

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

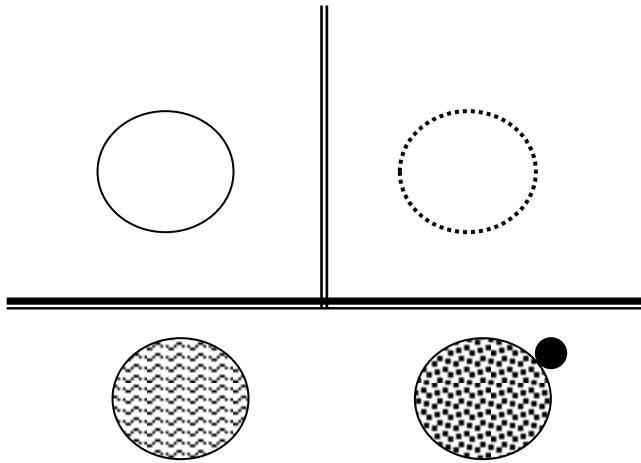
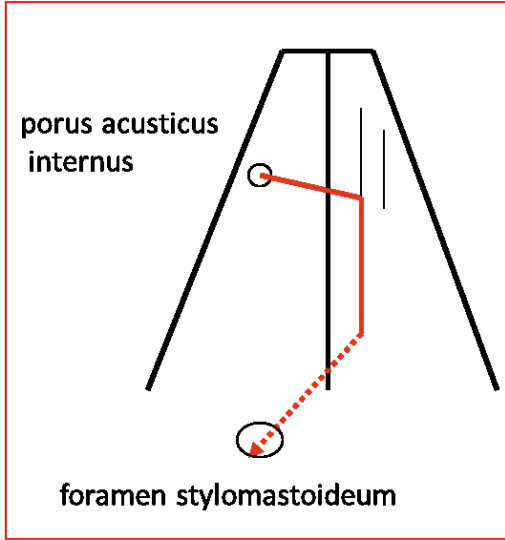
N.P.Min. = Nervus petrosus minor

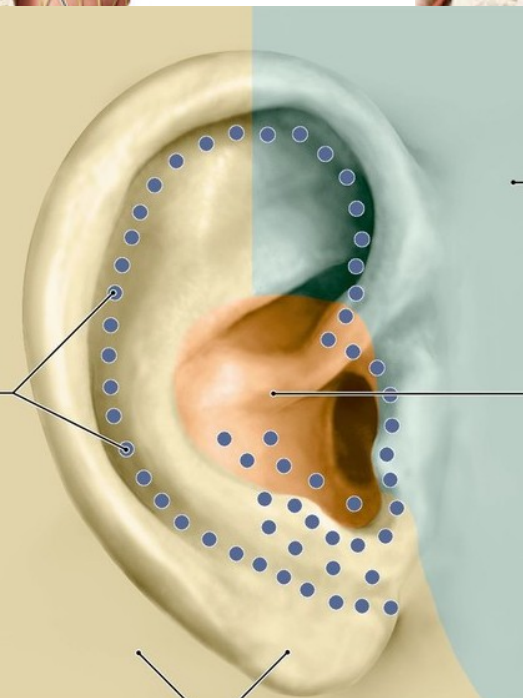
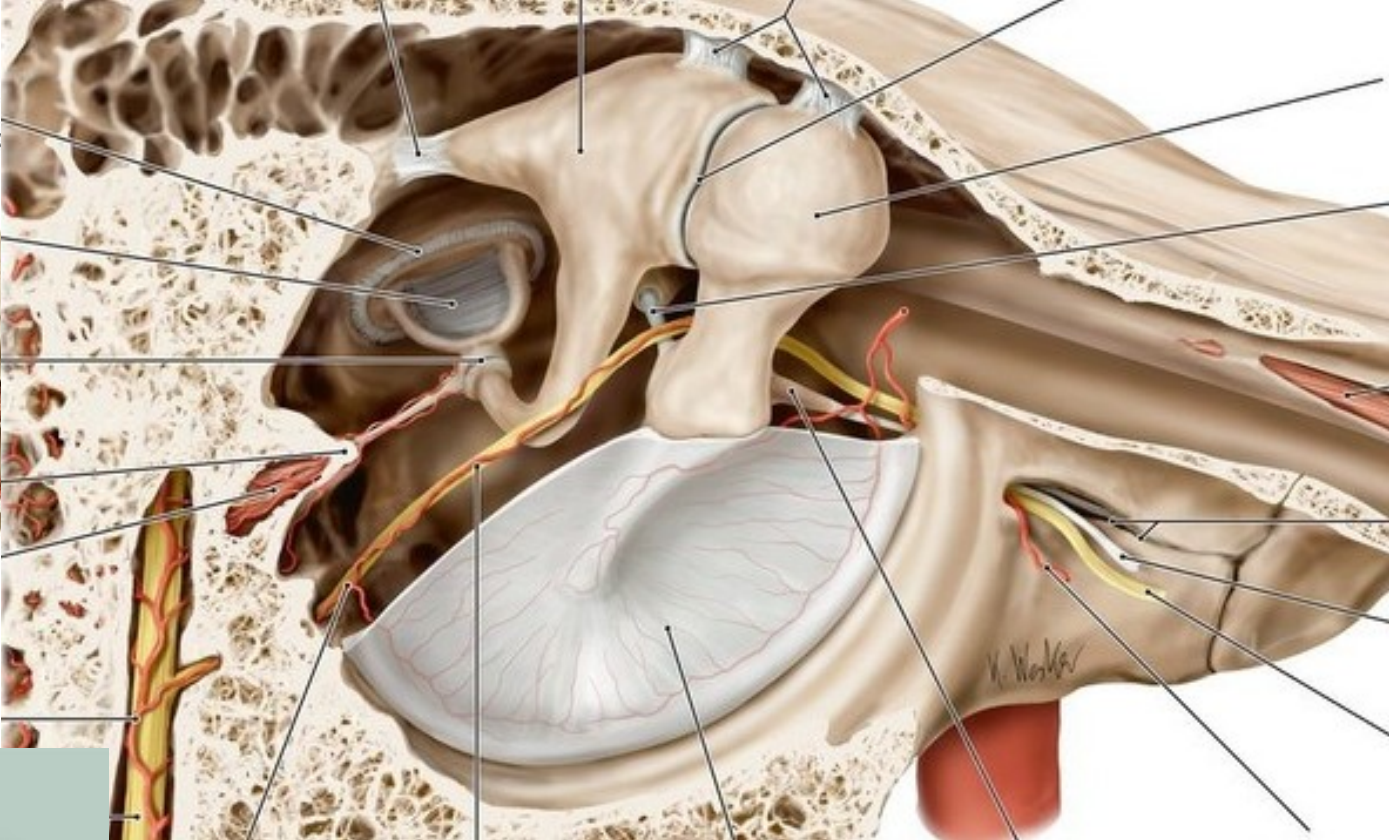
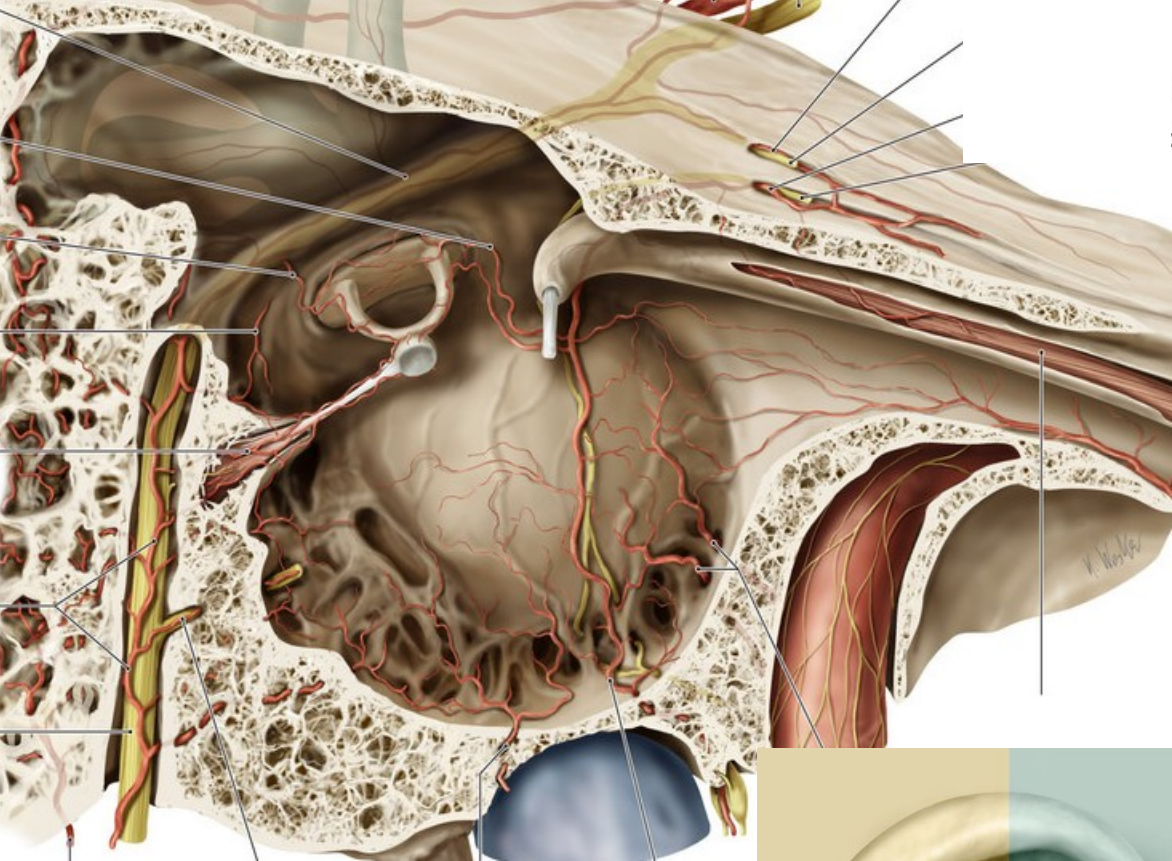
Jacobsonova anastomóza = odstup parasympatických vláken z plexus tympanicus cestou n. petrosus minor

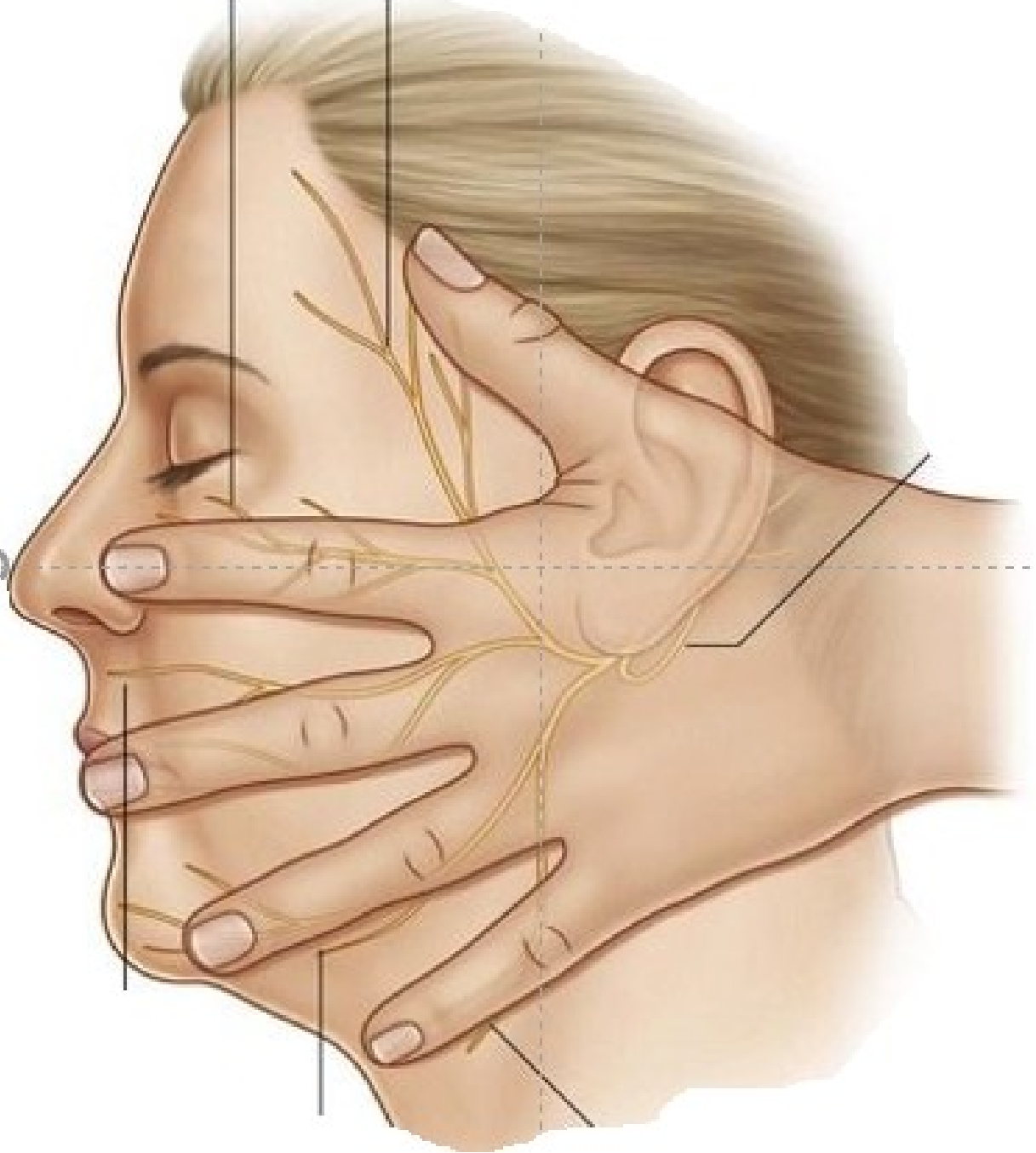
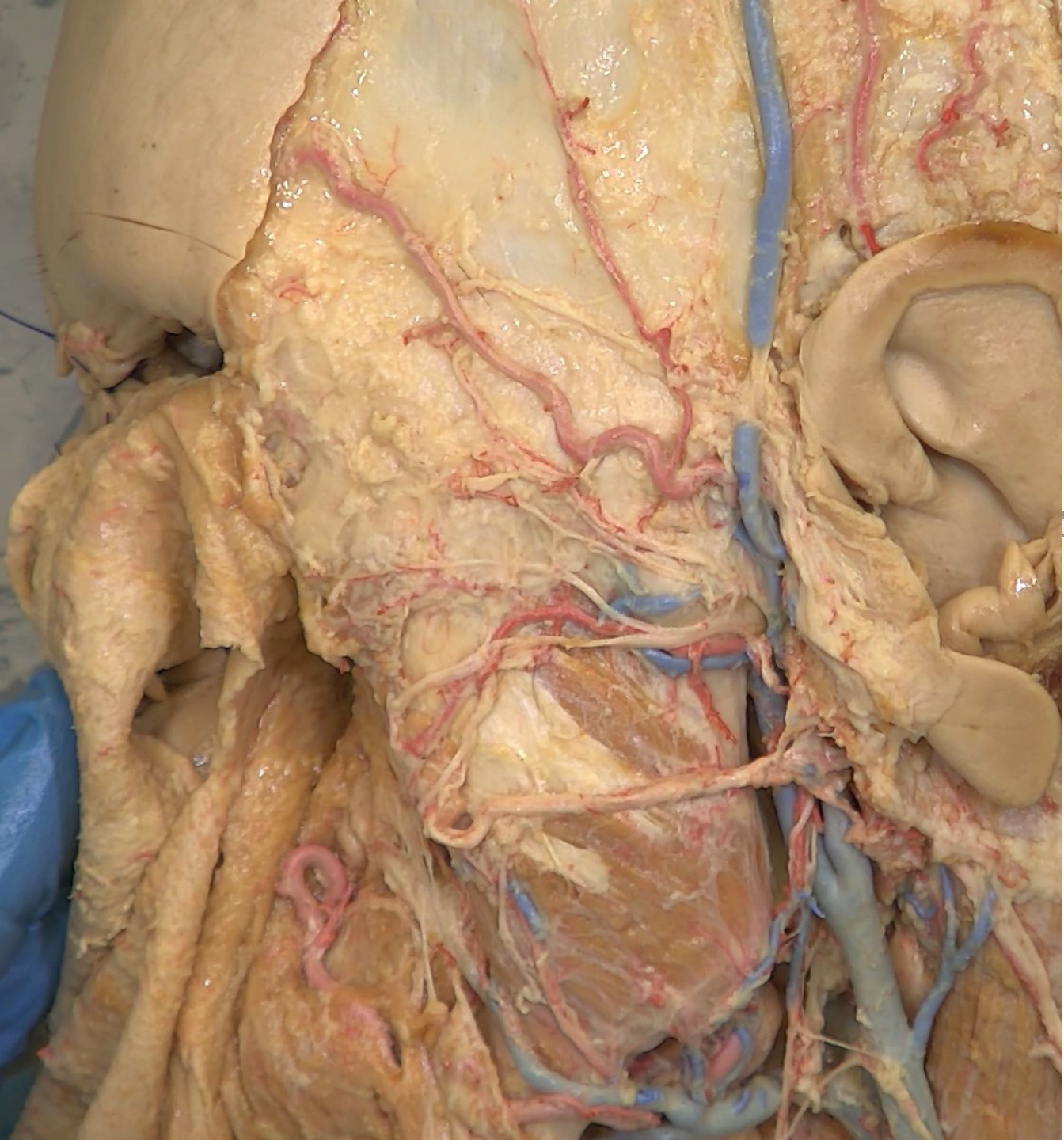
N.VII.



NERVUS FACIALIS in the canalis nervi facialis



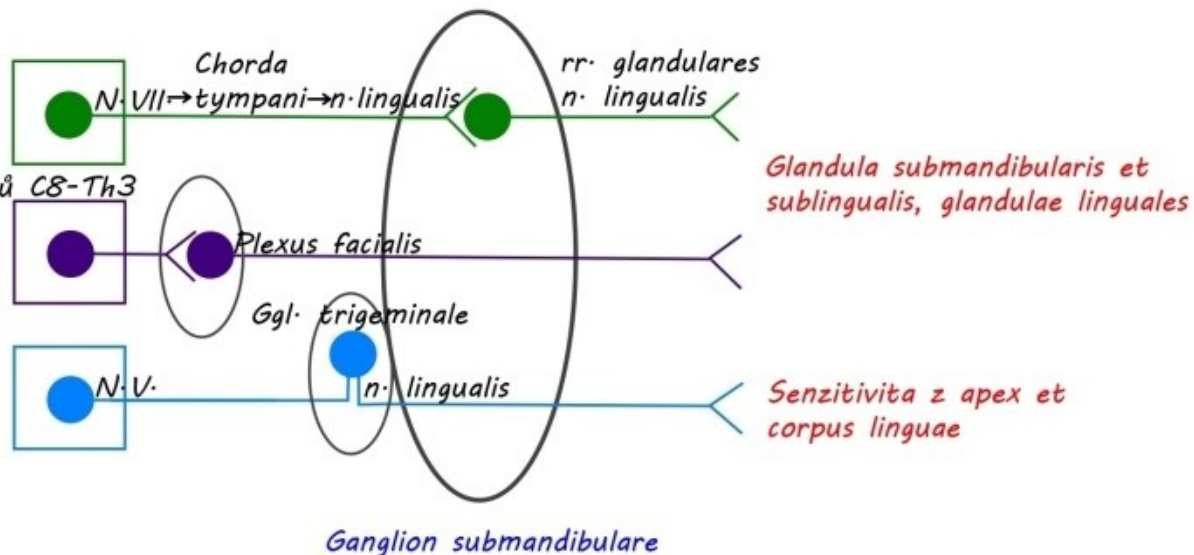




Ncl. salivatorius sup.

Ncl. intermediolateralis postr. míš. rohů C8-Th3

Ncl. spinalis et pontinus n. trigemini

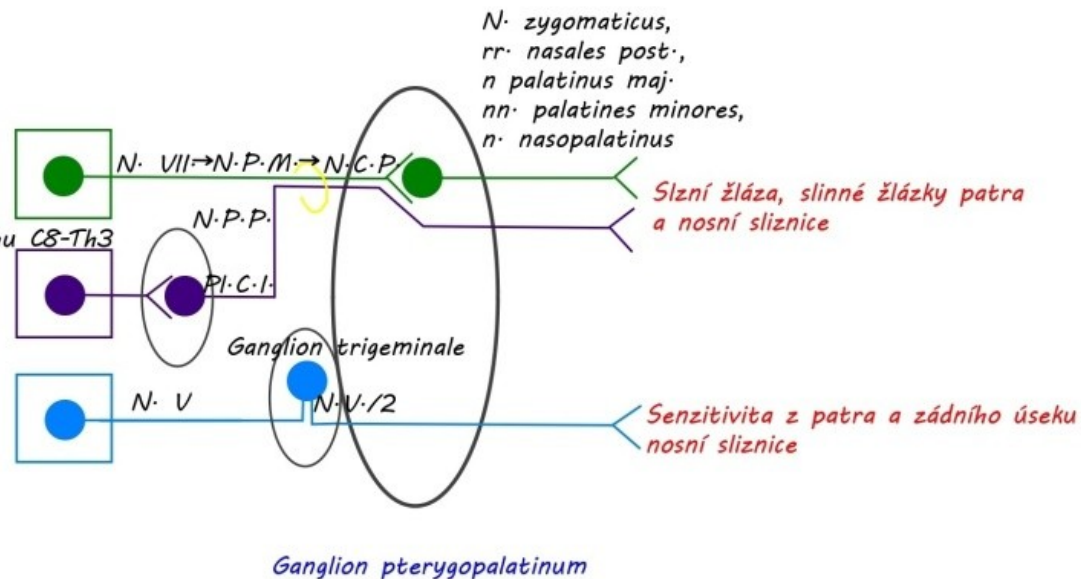


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Ncl. salivatorius sup.

Ncl. intermediolateralis postr. míš. rohu C8-Th3

Ncl. spinalis et pontinus n. trigemini

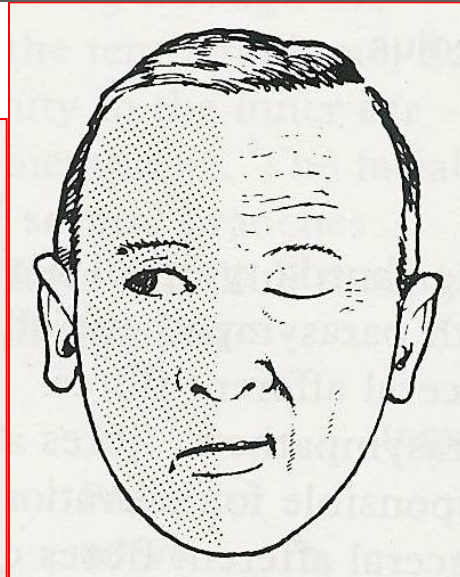
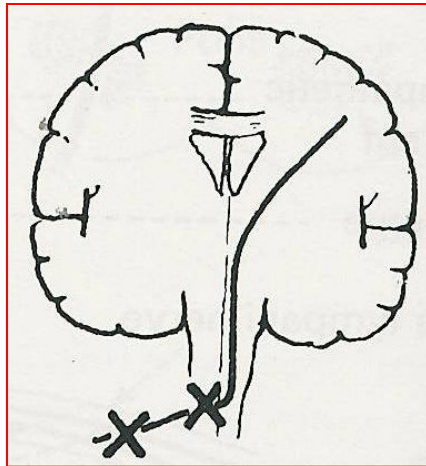


N. P. M. = Nervus palatinus major
N. C. P. = Nervus canalis pterygoidei
N. P. P. = Nervus petrosus profundus
Pl. C. I. = Plexus caroticus internus

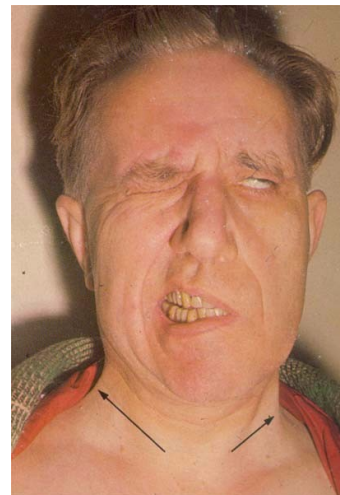
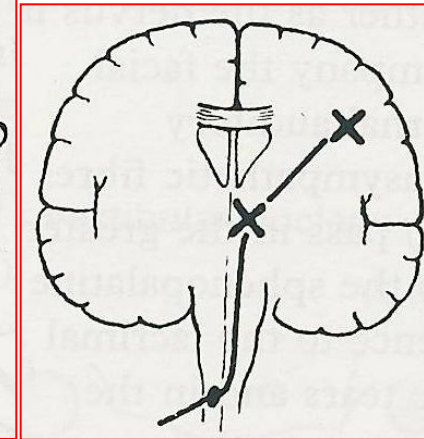
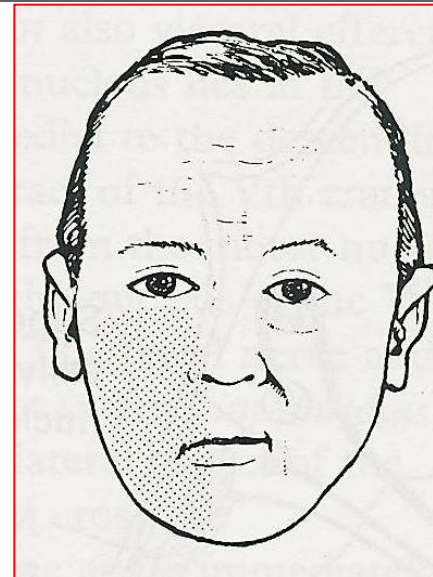
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PERIFERNÍ (A) + CENTRÁLNÍ OBRNA (B) N. VII

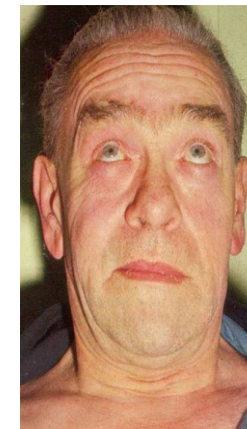
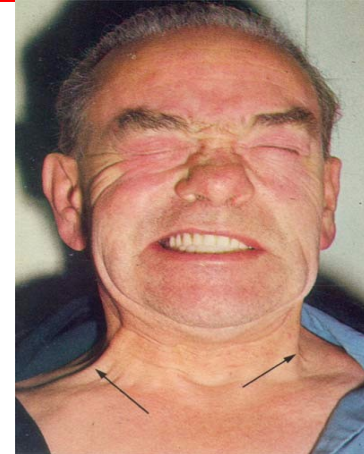
A



B

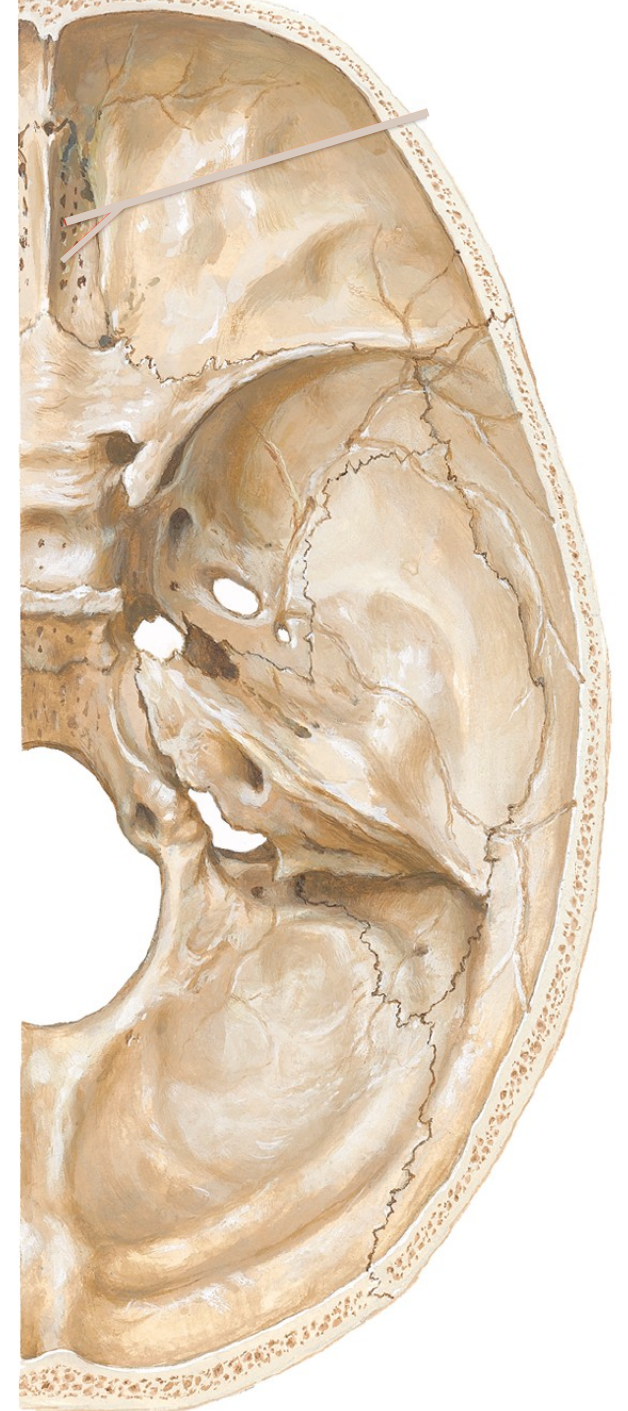
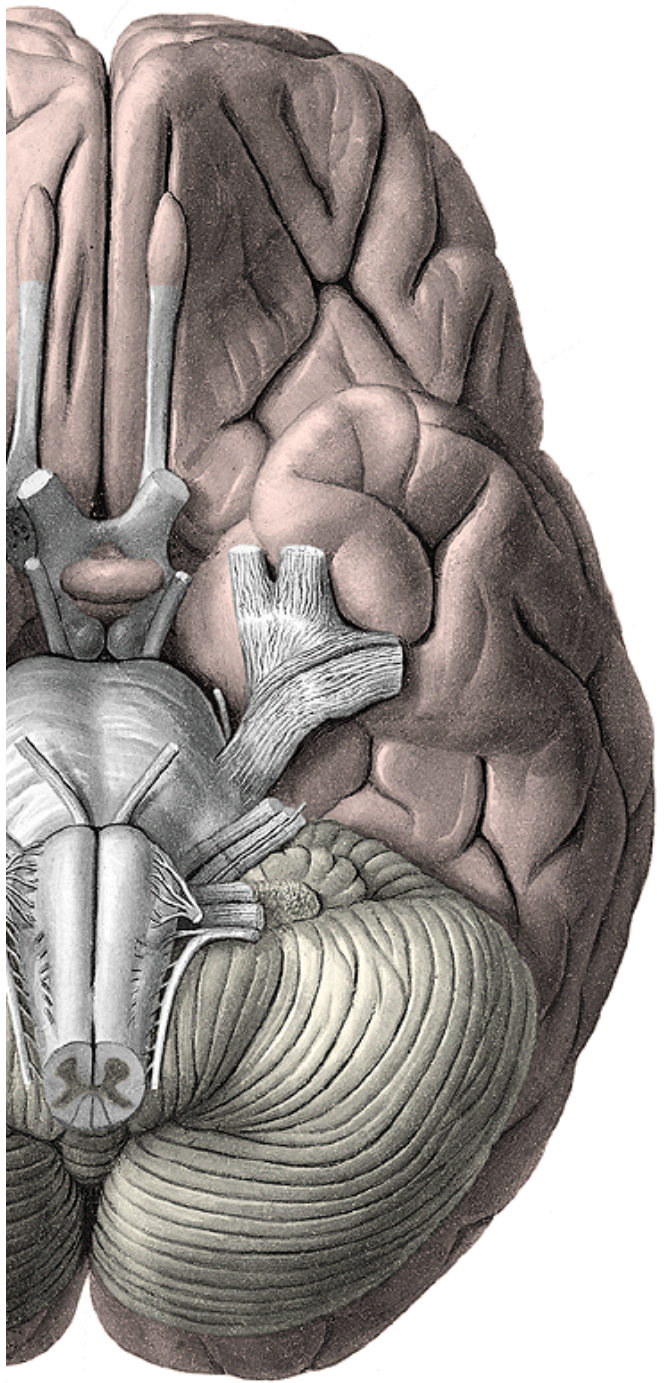
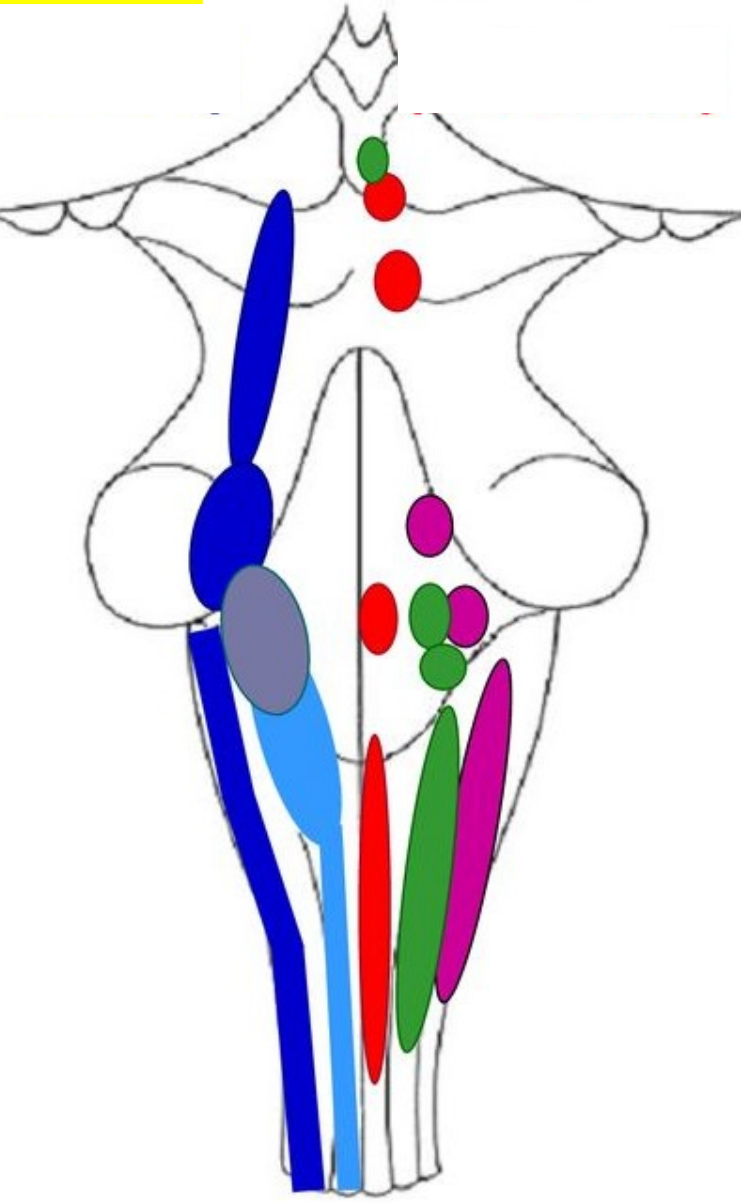


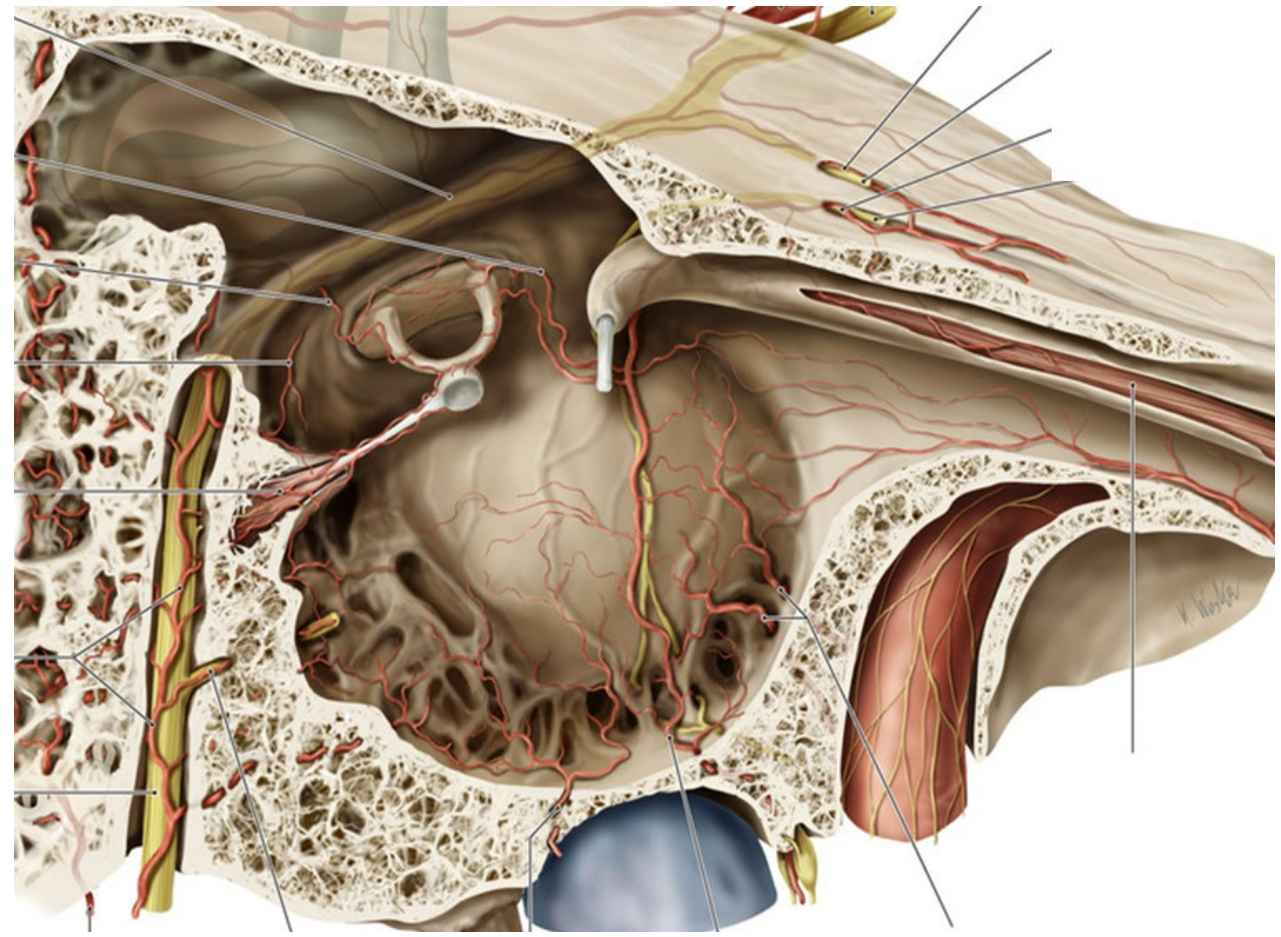
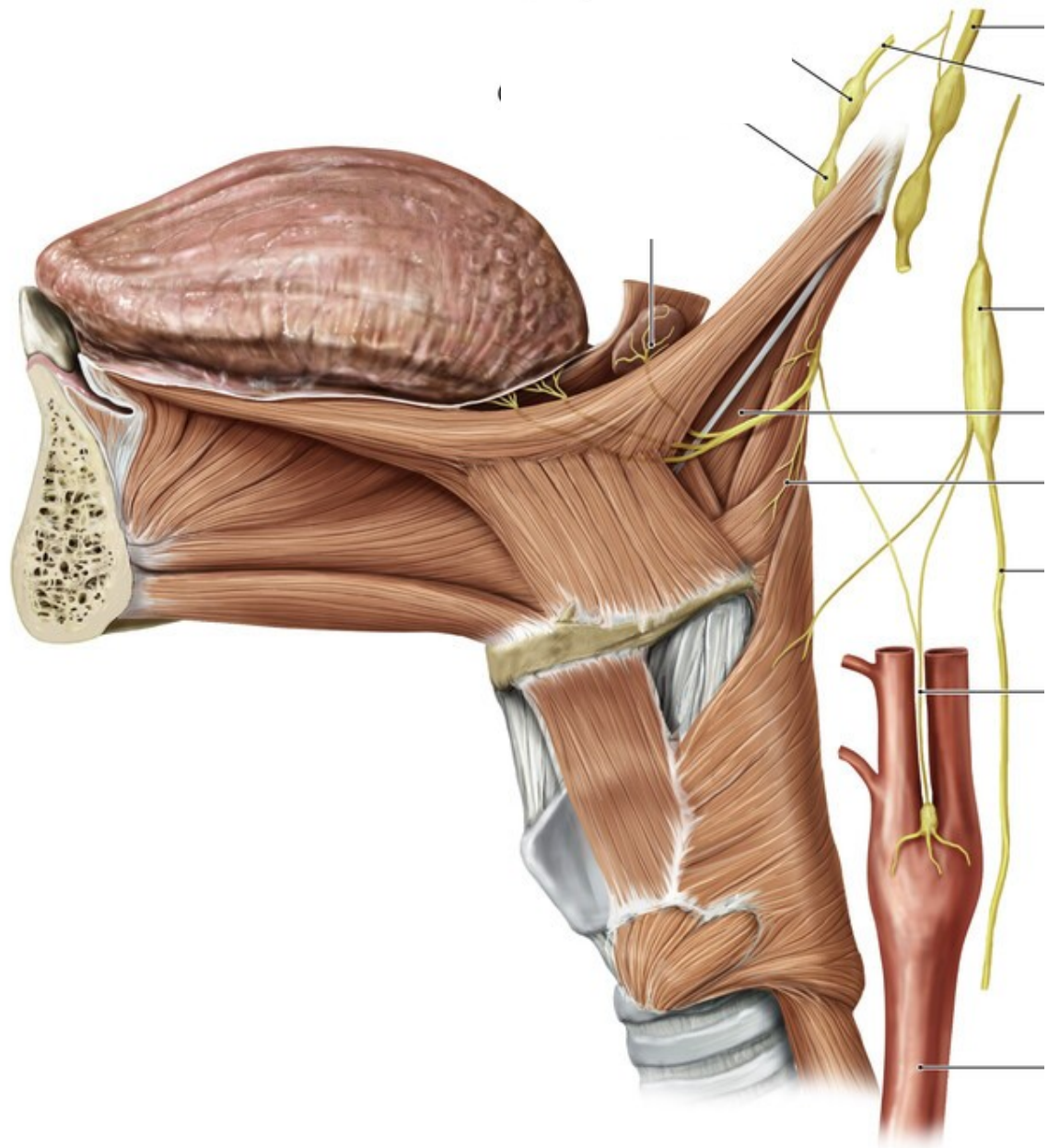
Obrna všech mimických svalů na homolaterální polovině obličeje při poškození motorického jádra n. VII nebo axonů jeho motorických buněk



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

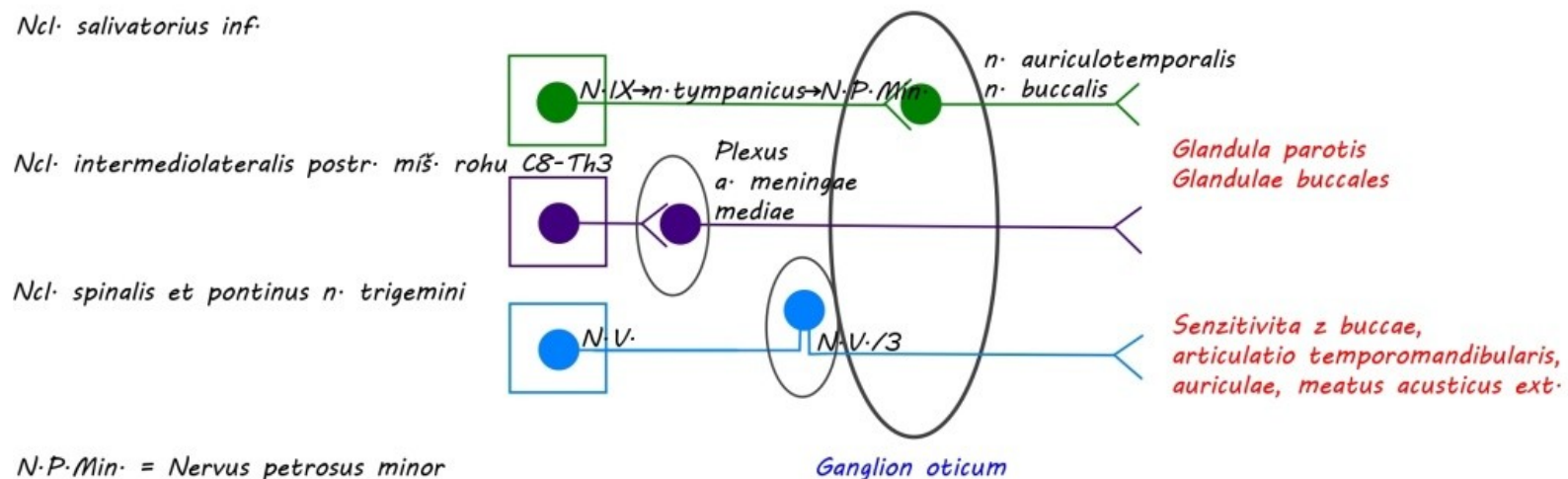
N.IX.





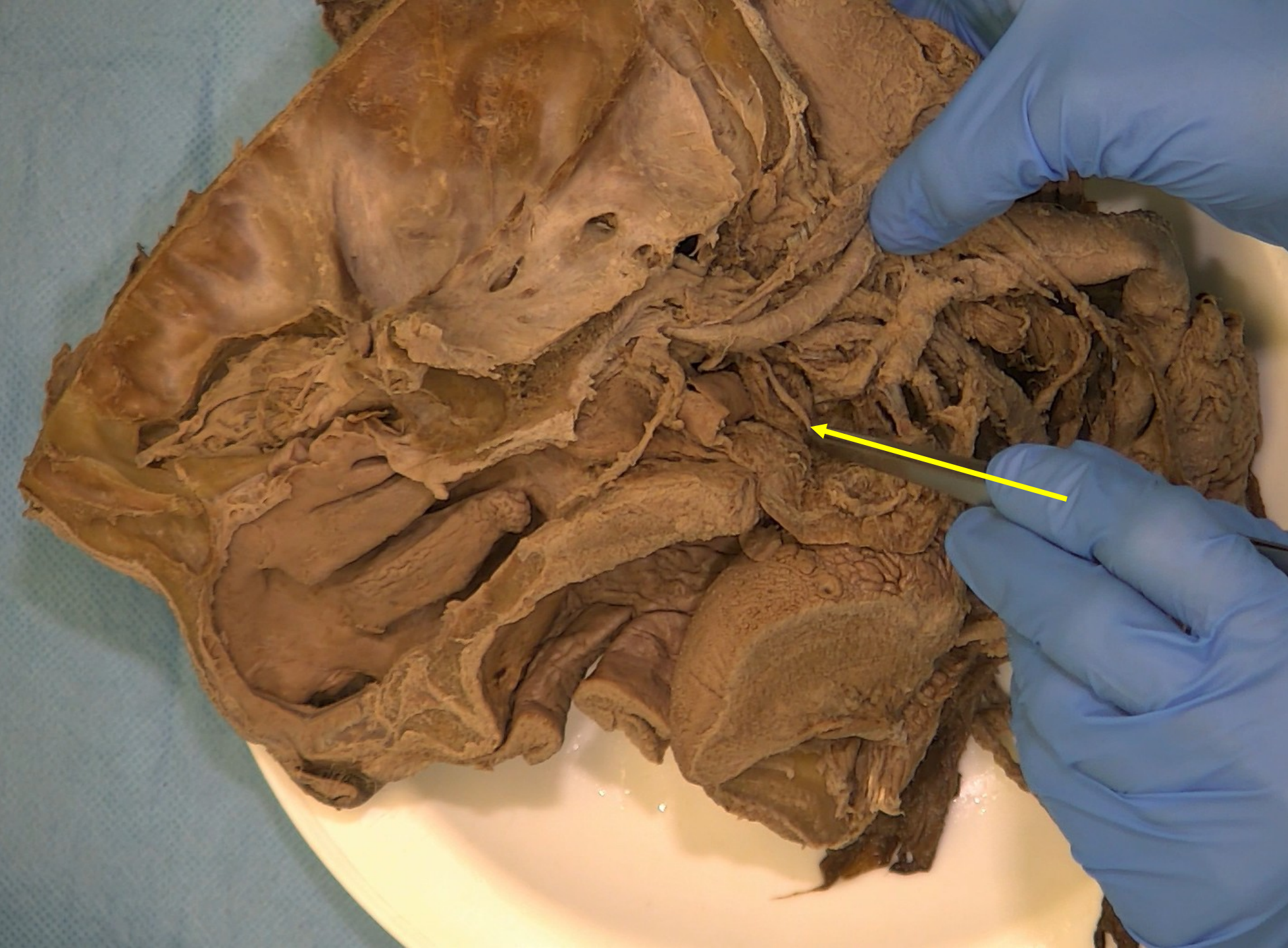


Ncl. salivatorius inf:

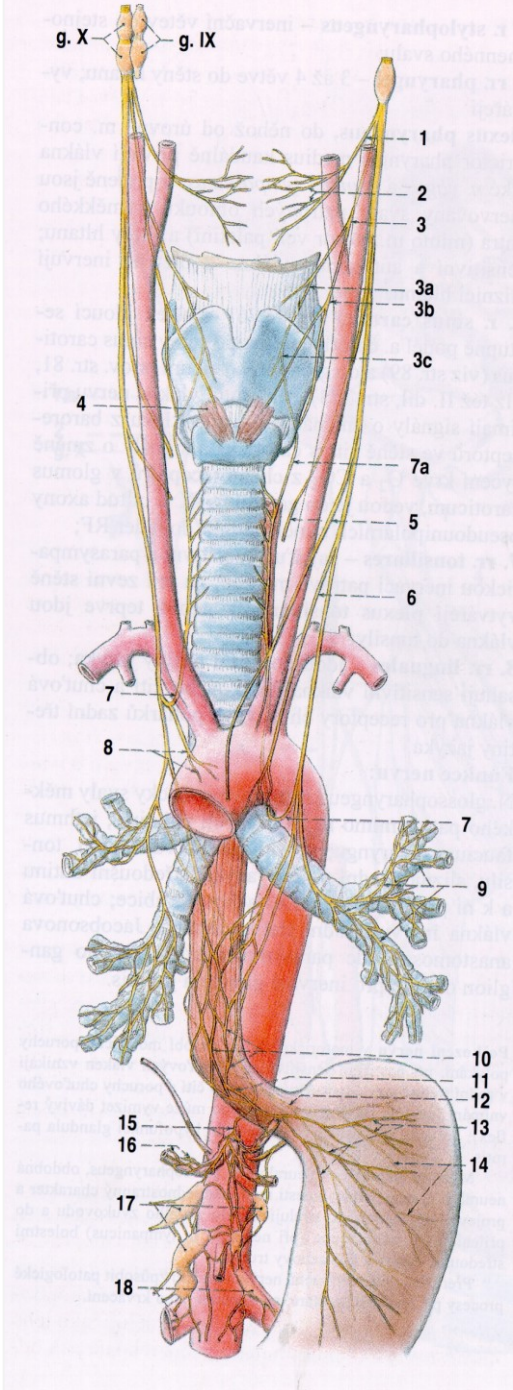
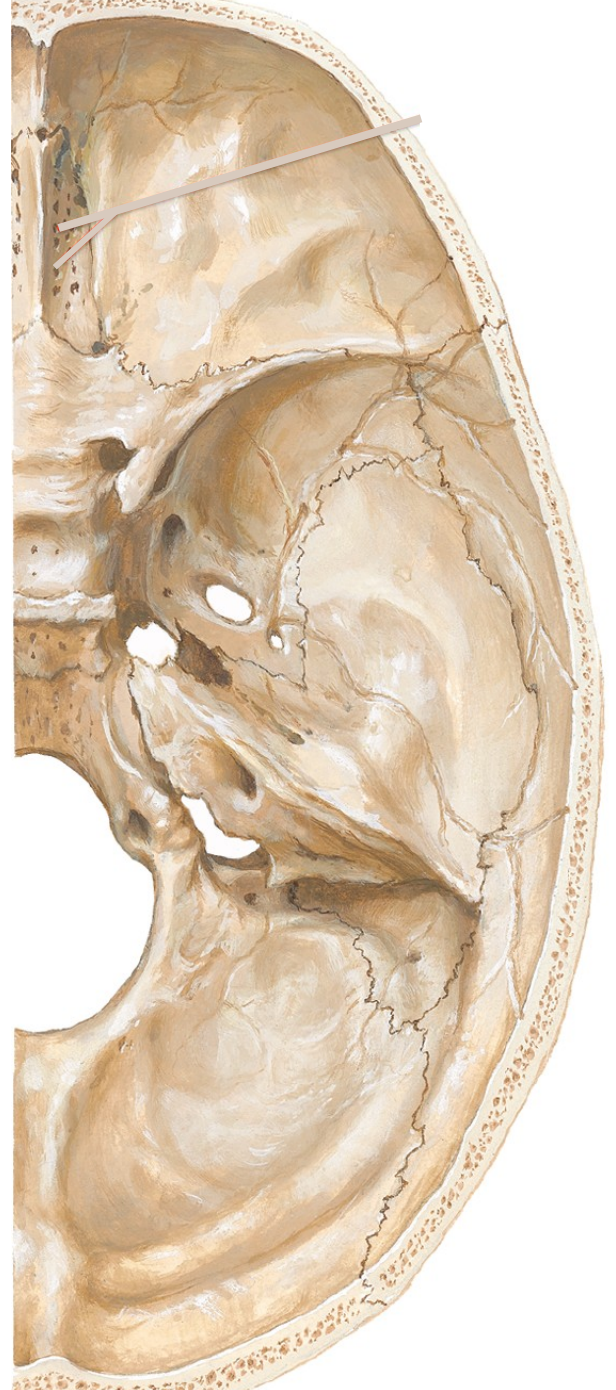
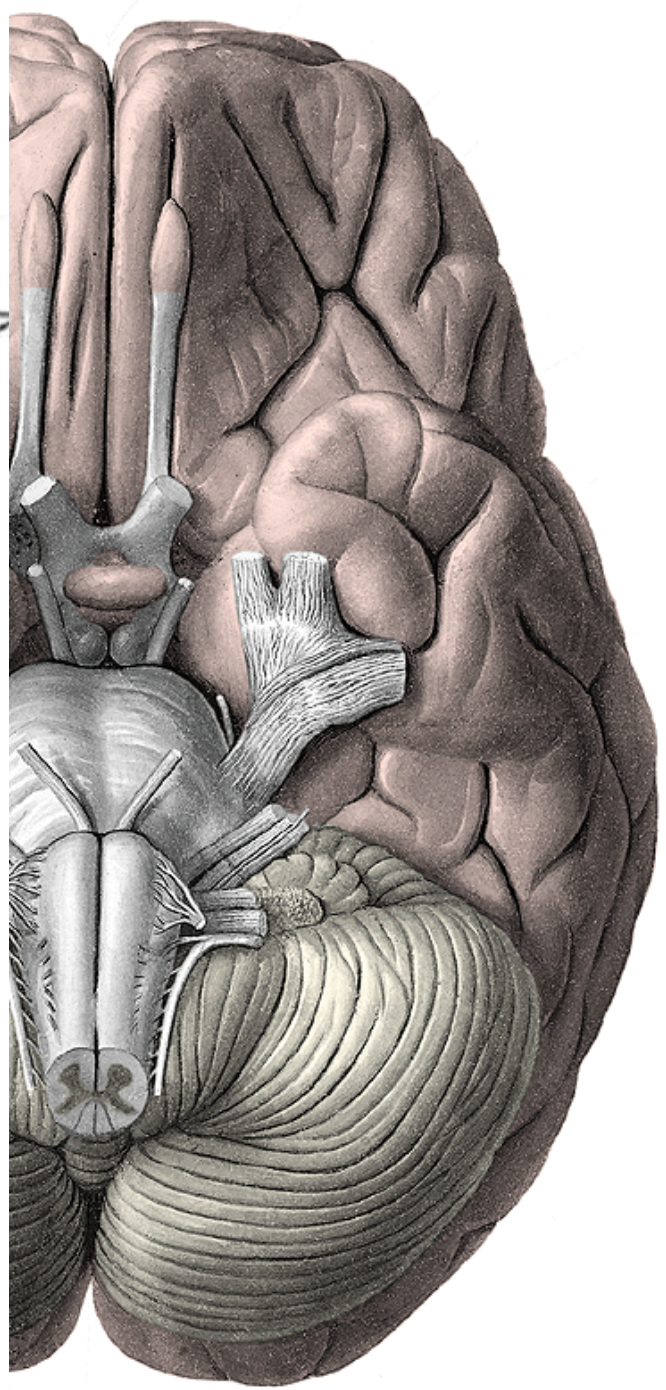
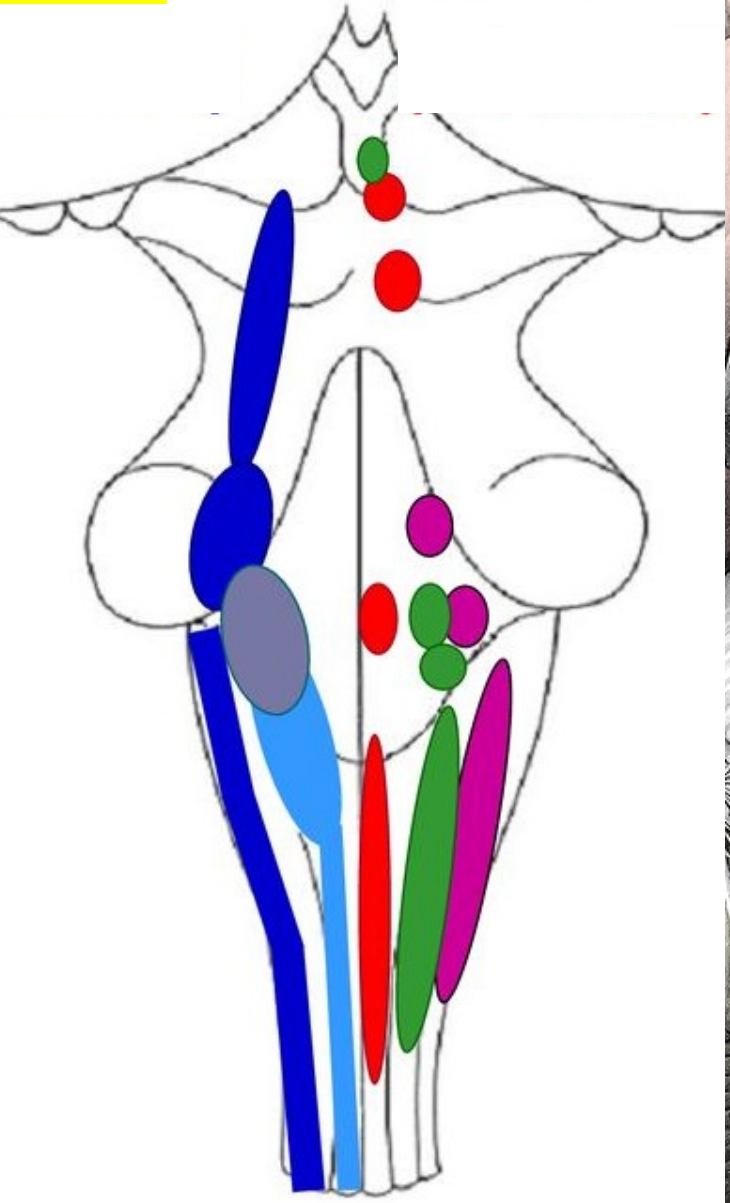


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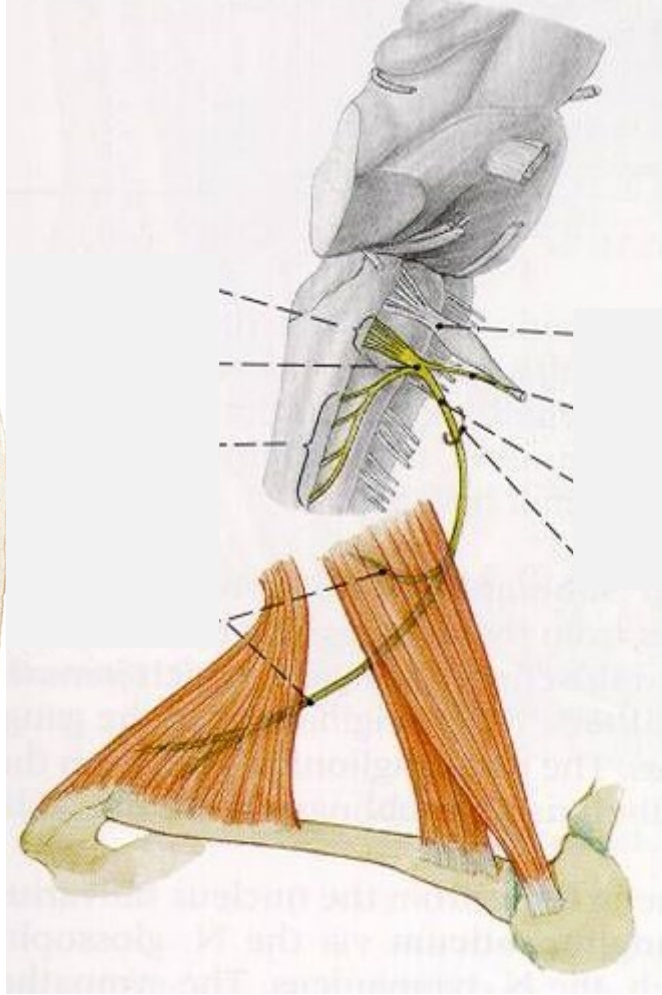
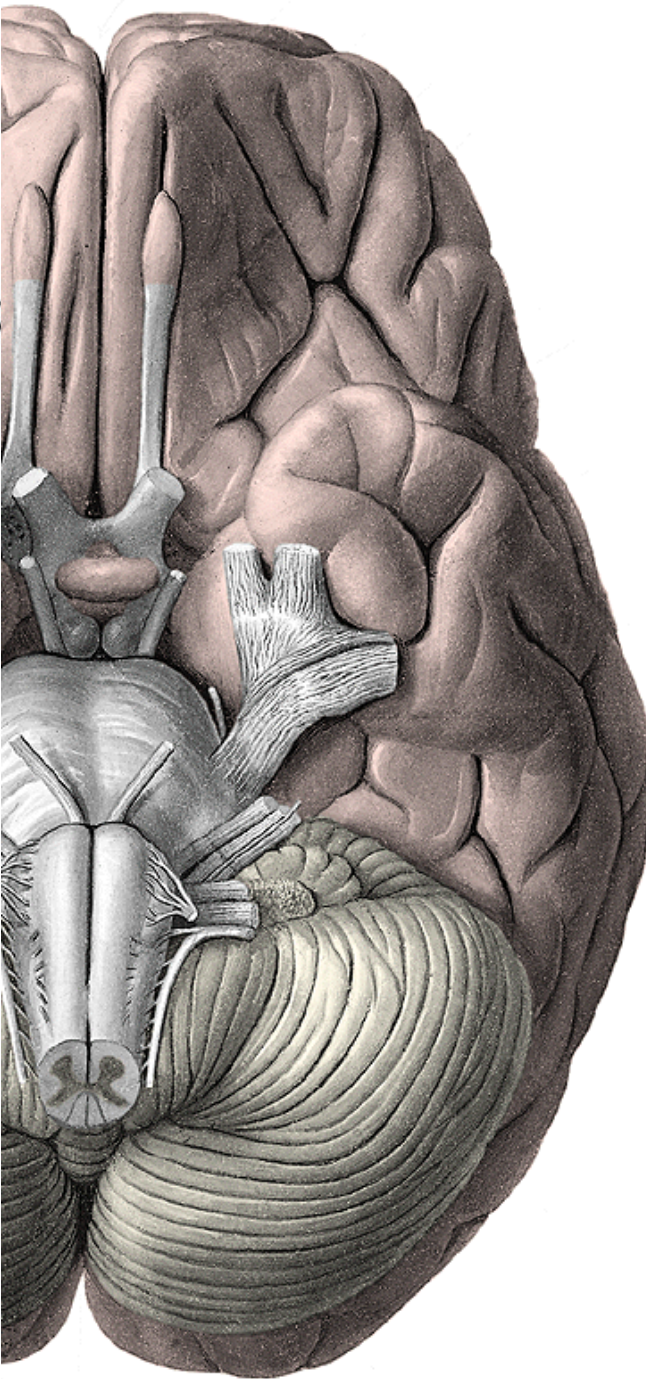
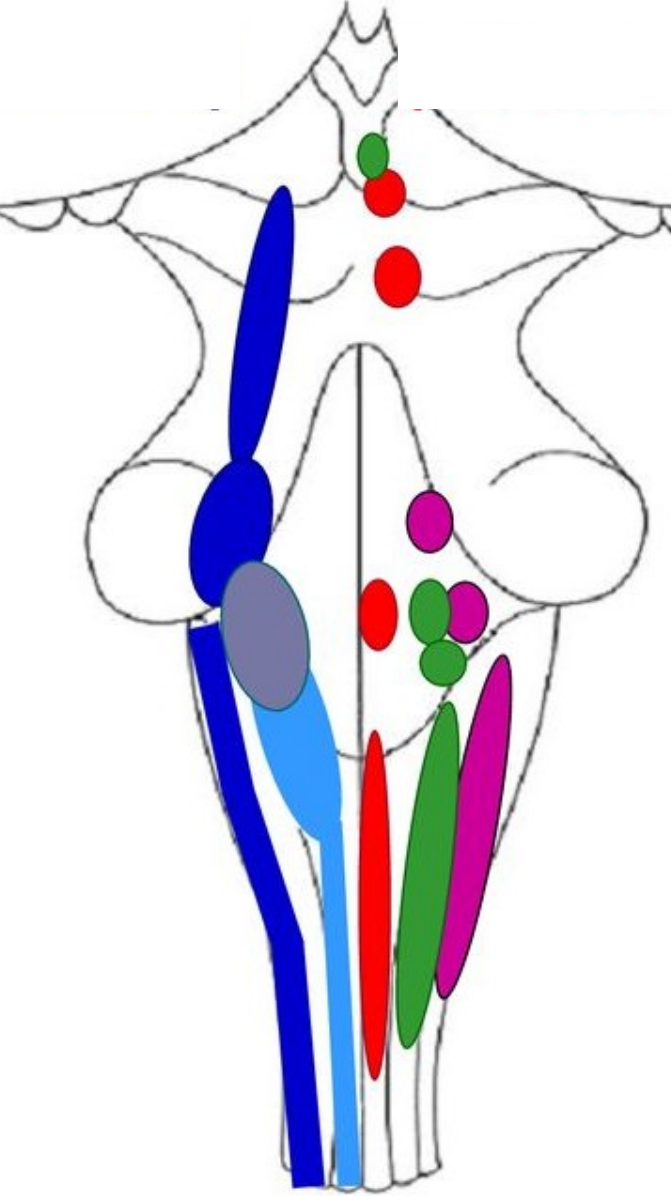
N.X.







N.XI.







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

