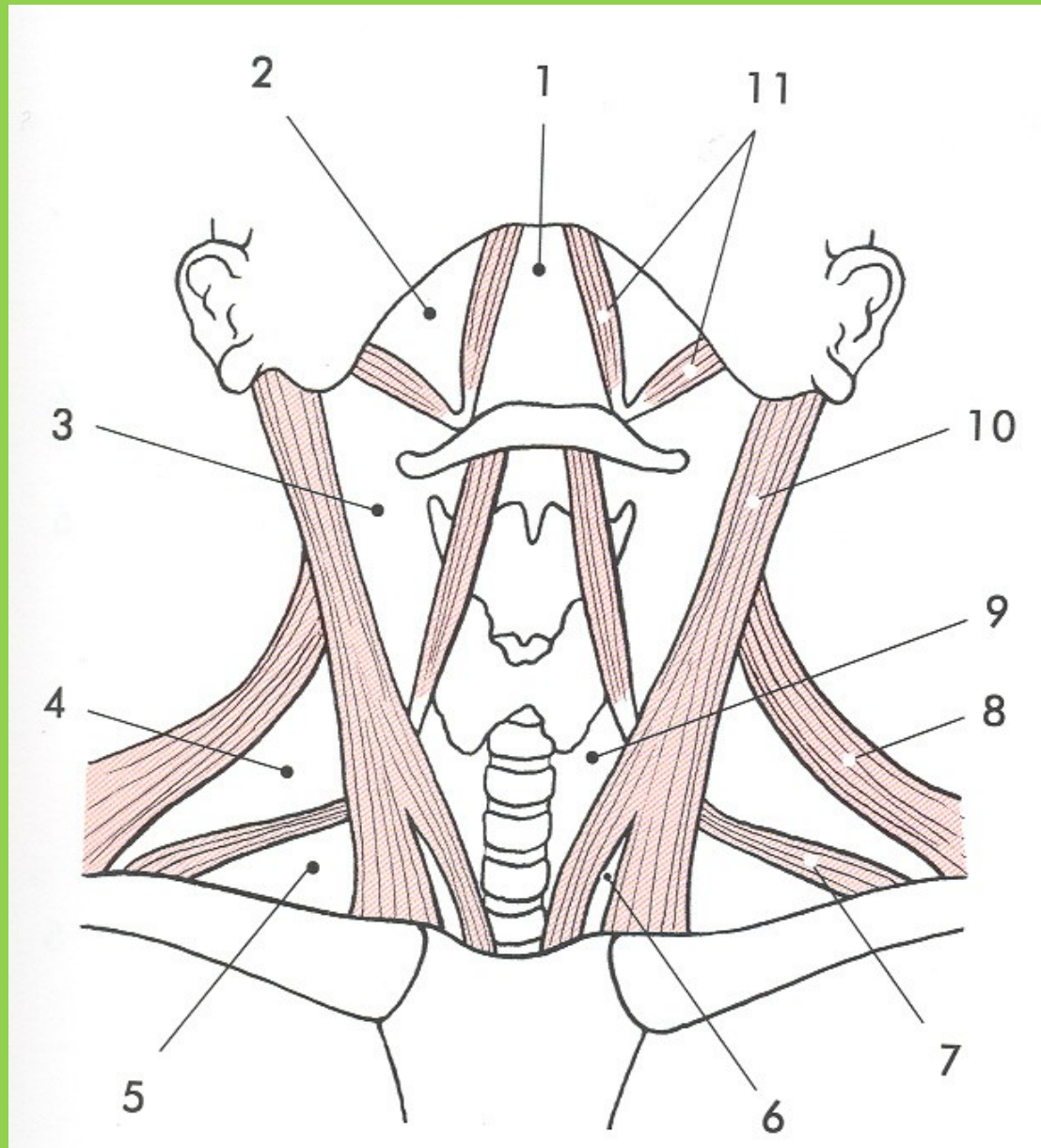


# TOPOGRAFIE KRKU



R.- anterior  
- lateralis

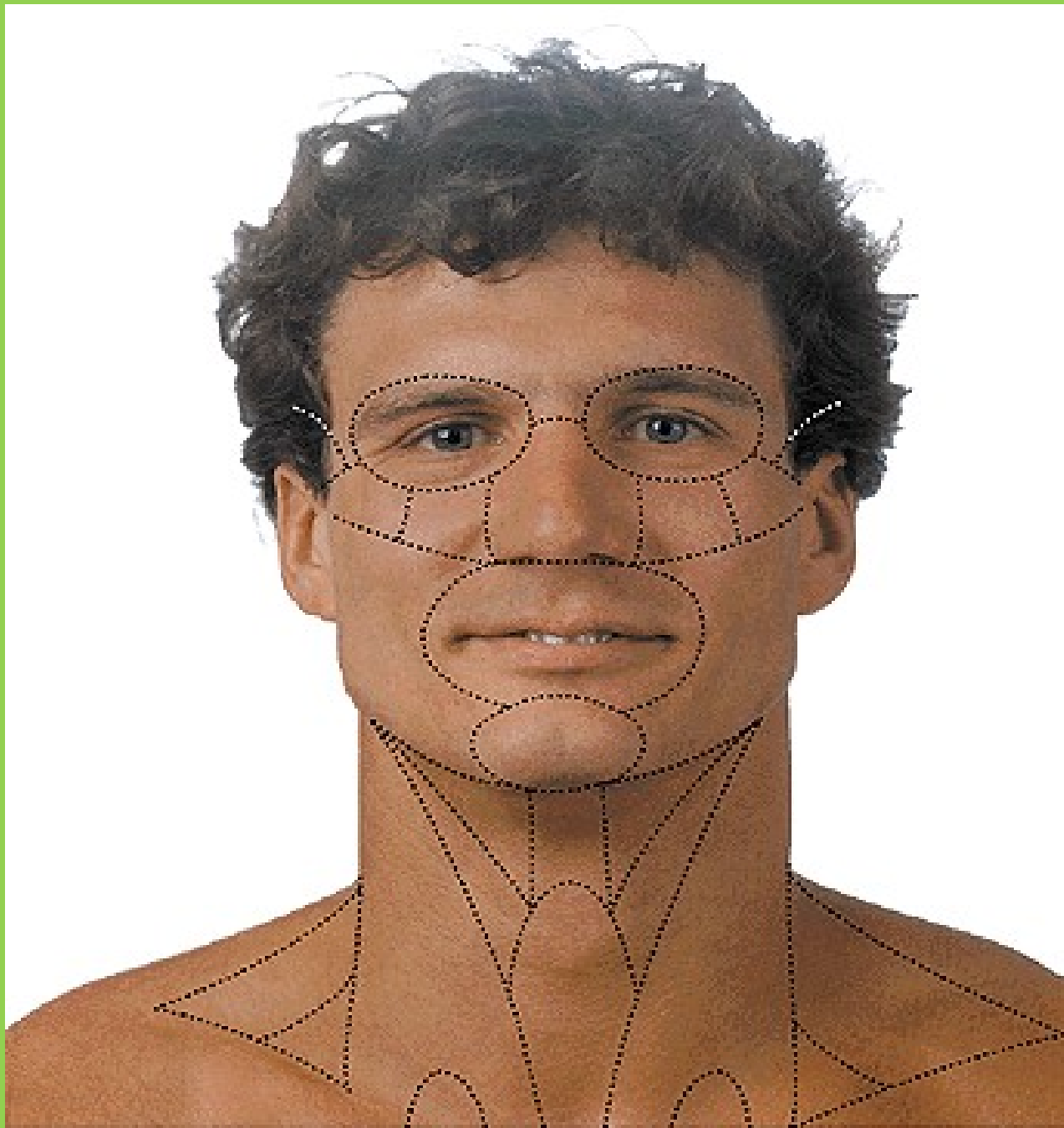
▲ caroticum

submandi-  
bulare

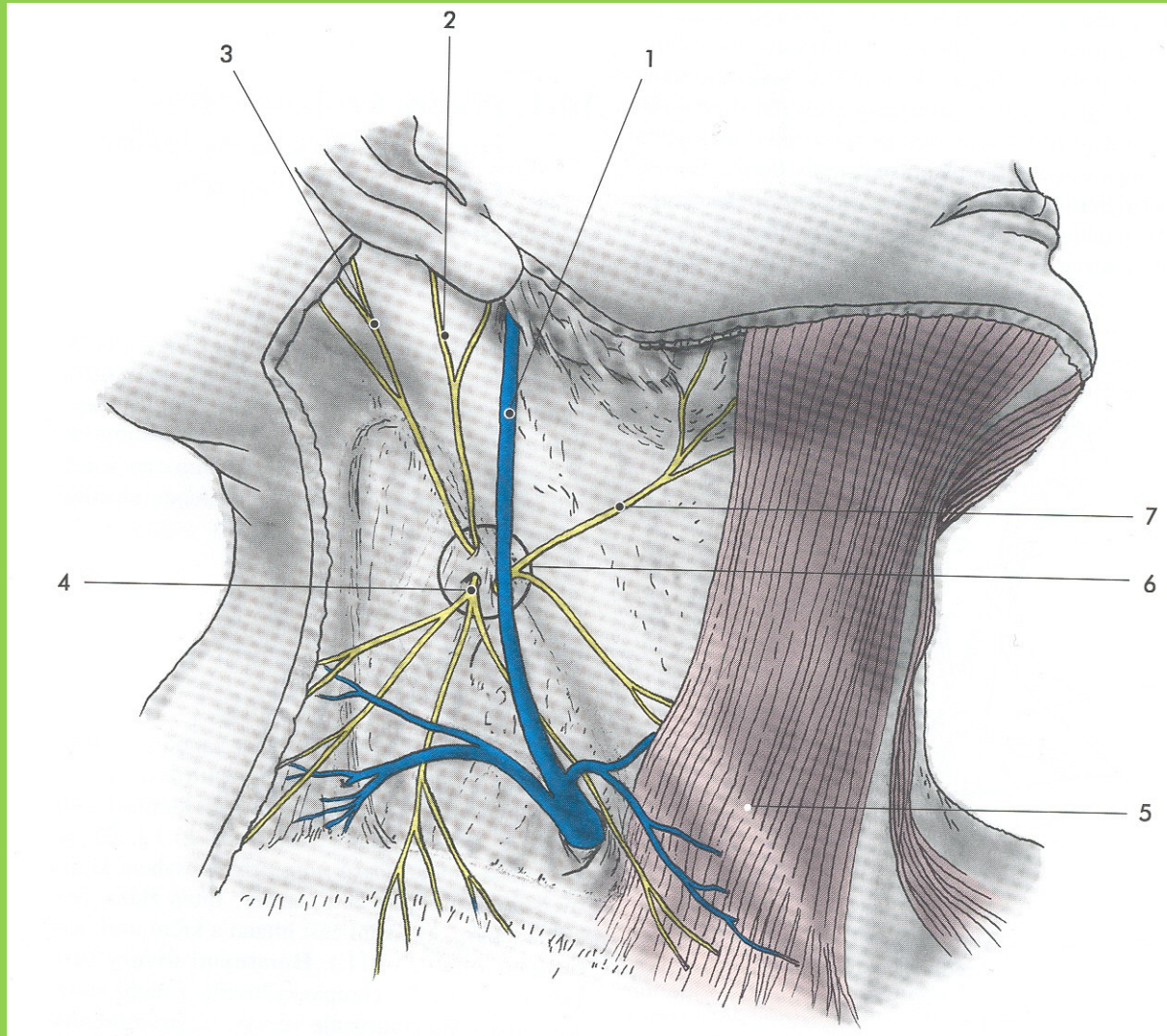
omotrape-  
zium

omoclavic.

Regiones colli



Regiones colli

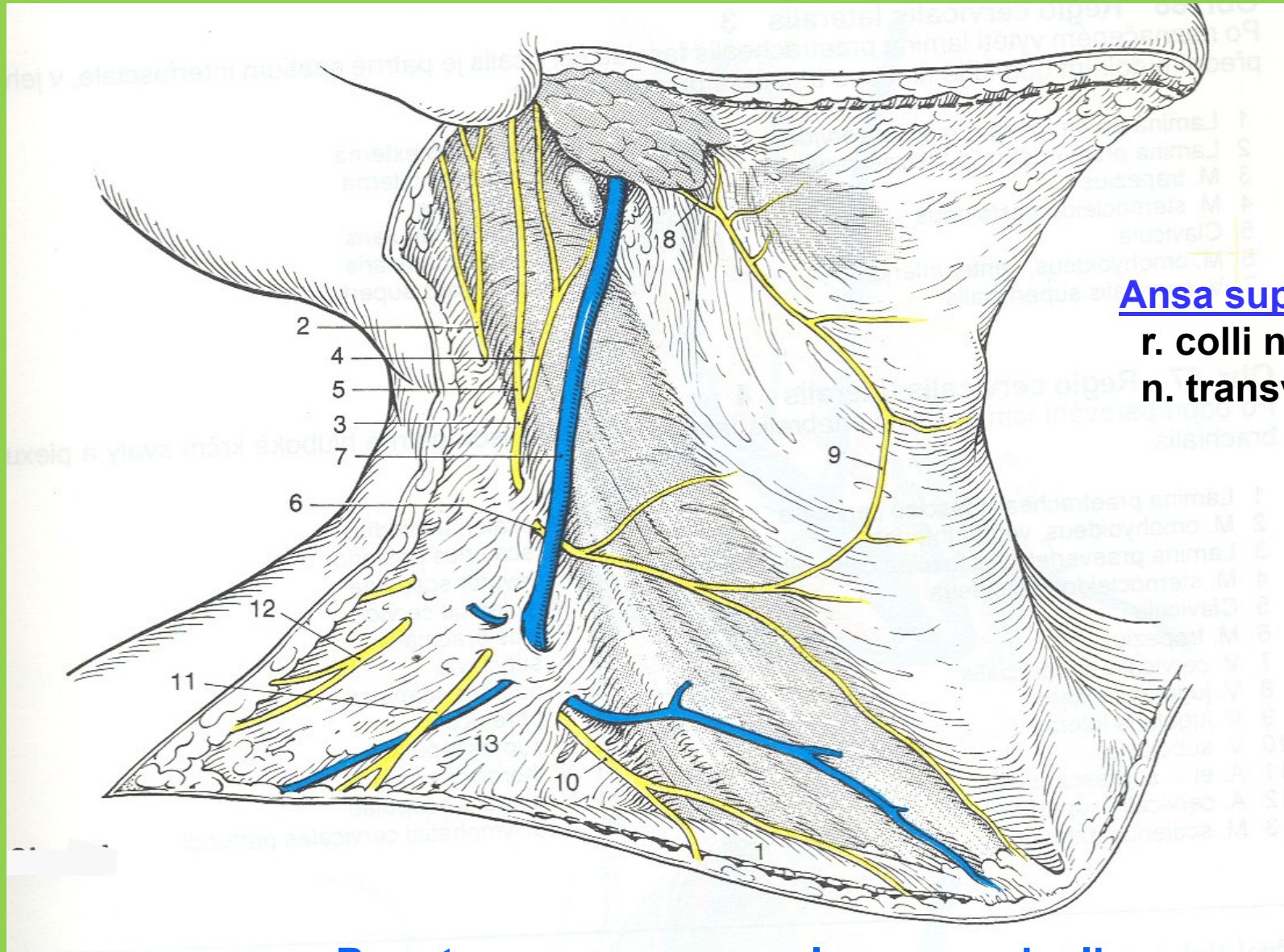


**Platysma  
v. jugularis  
ext.**

**Punctum  
nervosum  
( Erbův b. ):**

**occipit.min.  
auricul. mag.  
n.transv. colli  
supraclavic.**

**Regio colli lateralis- 1. vrstva  
povrchová krční fascie**



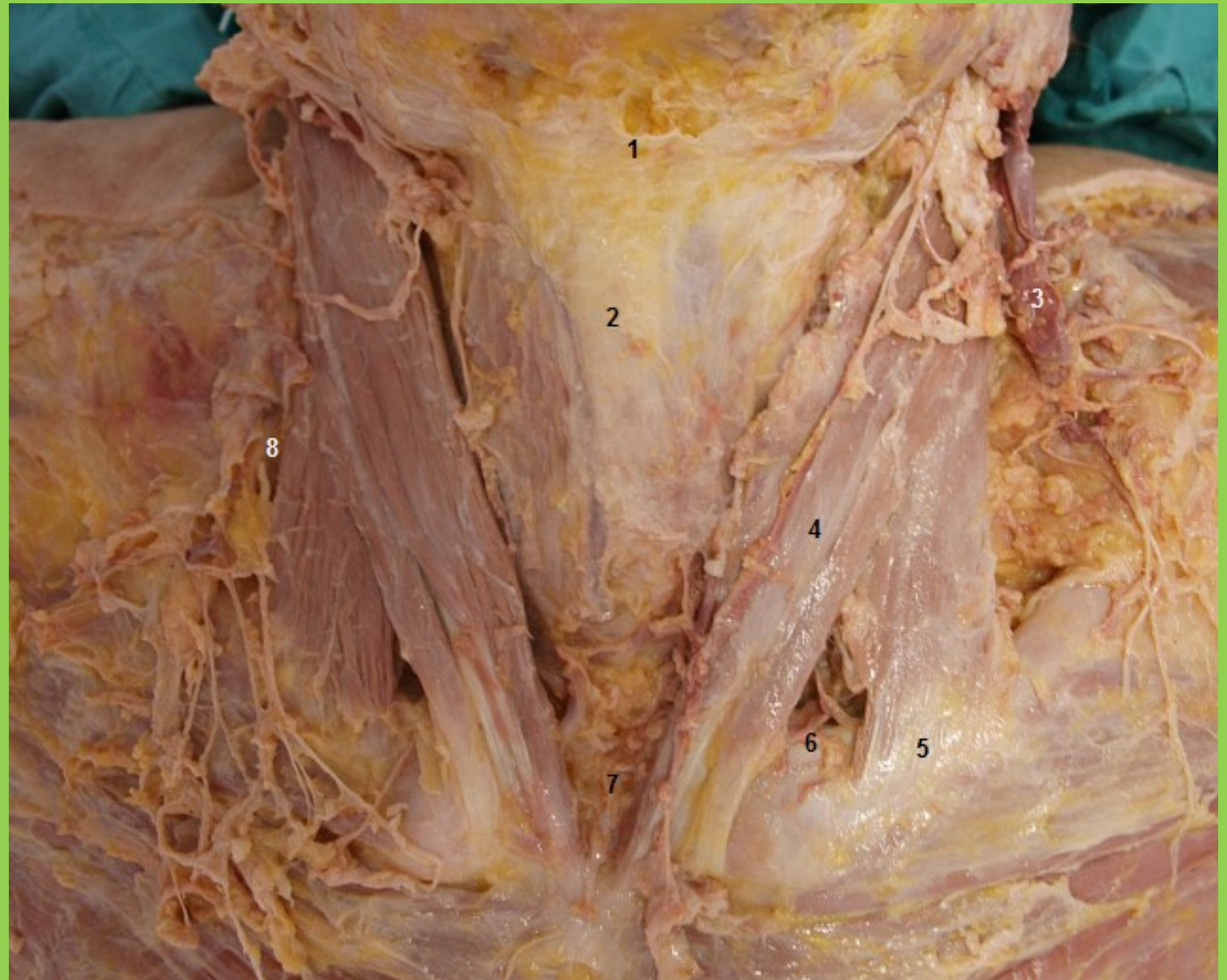
Ansa superficialis:  
r. colli n. VII.  
n. transv. colli

Punctum nervosum – plexus cervicalis

punctum nervosum

n. transv. colli

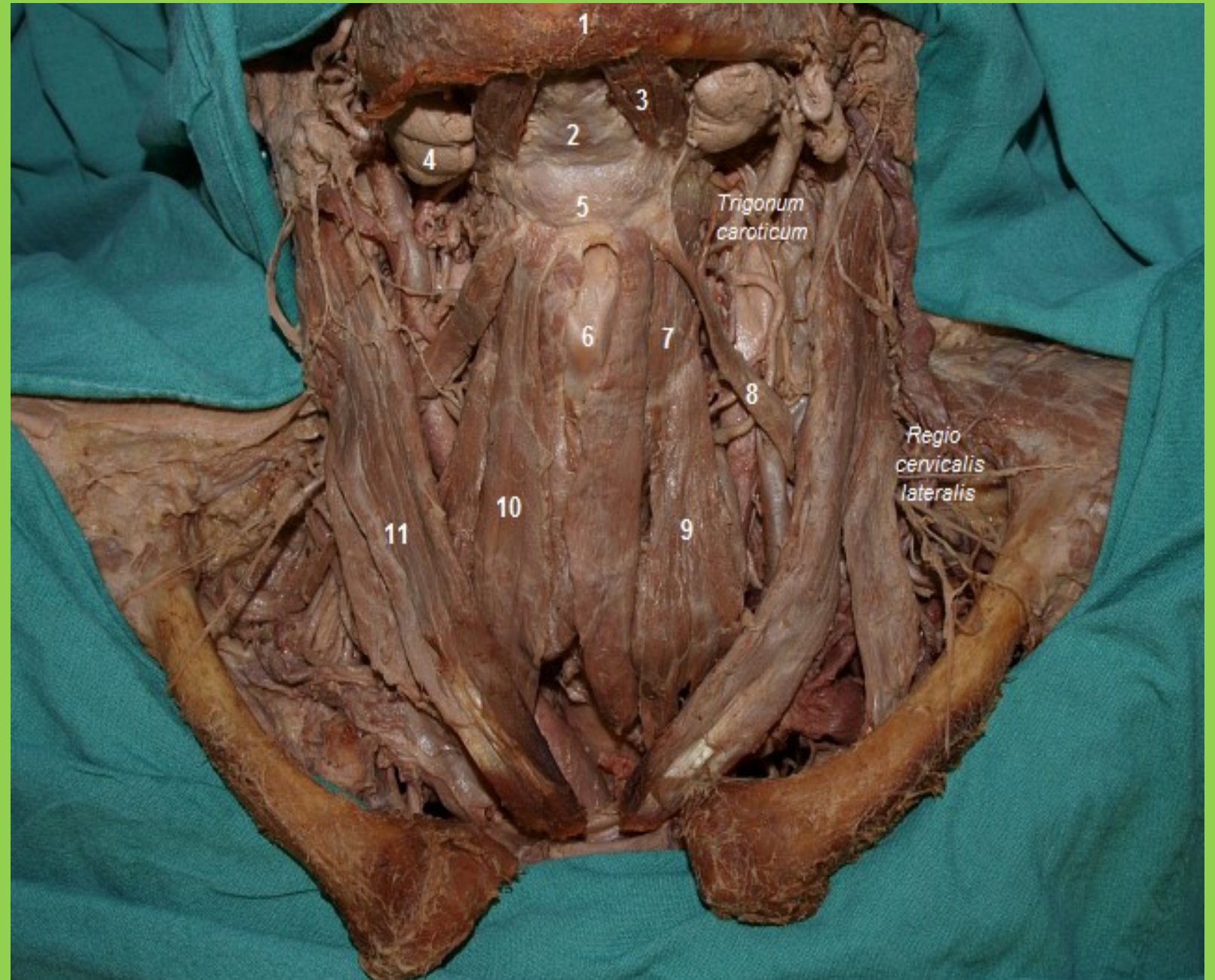
nn. supraclavicular.

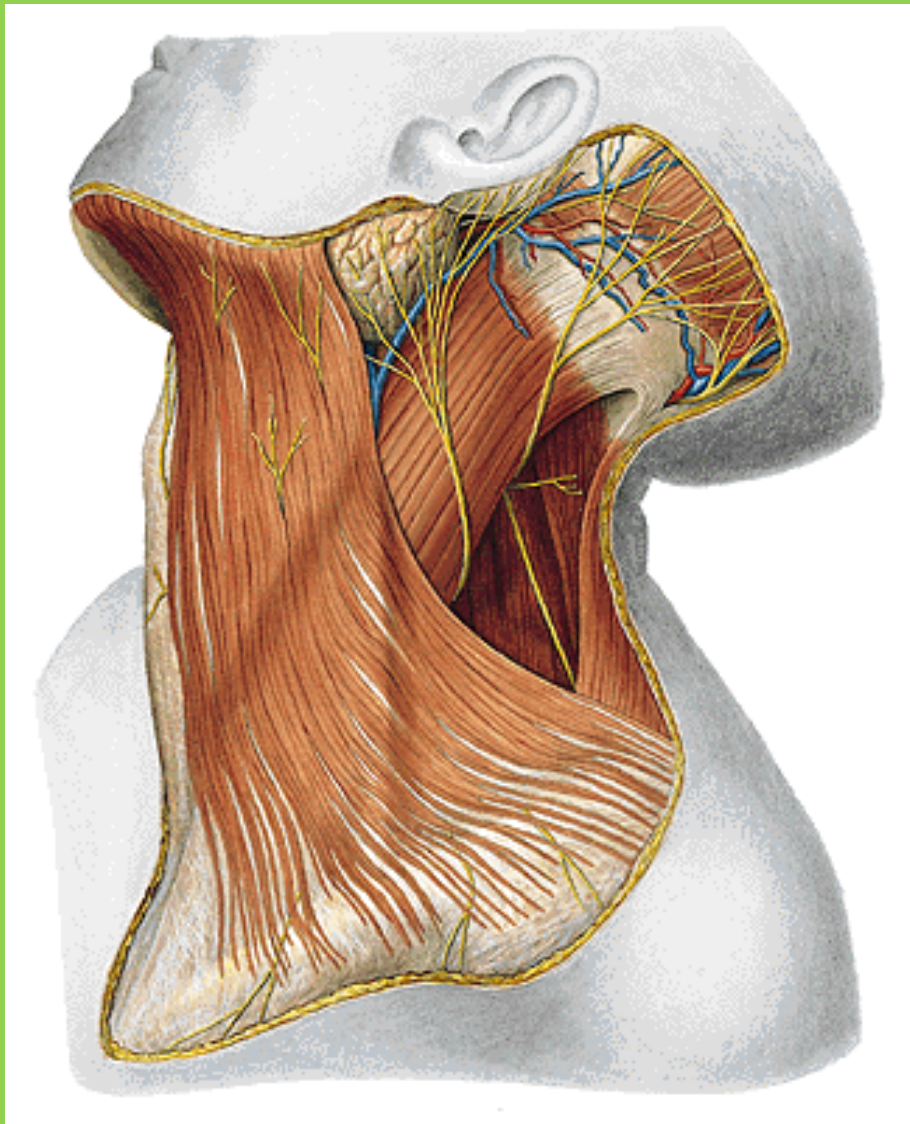


punctum nervosum:  
n. auric. magnus

n. transv. colli

nn. supraclavicular.



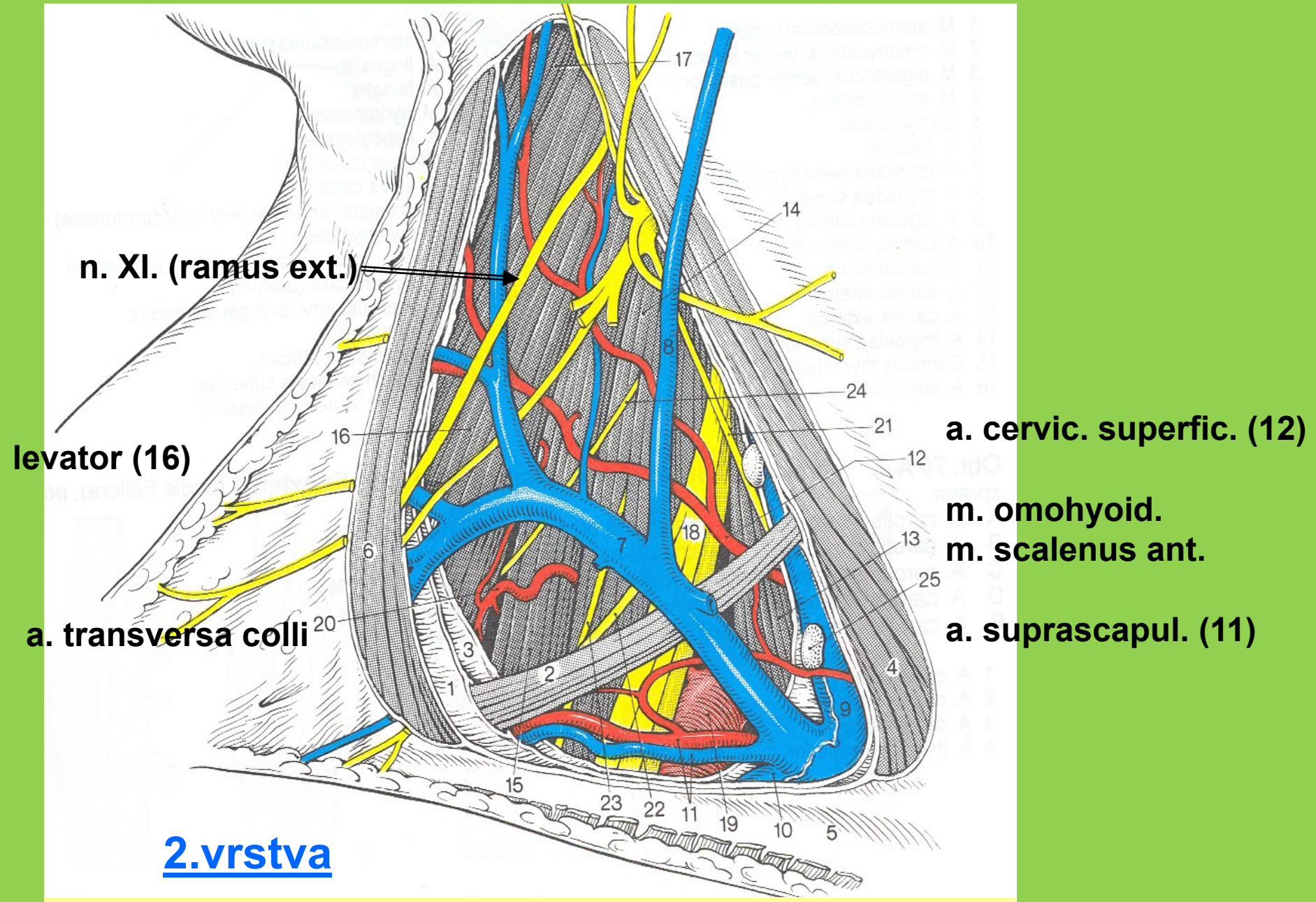


n. auricul. magnus  
occipitalis minor

supraclavicul., **m. platysma**

Punctum nervosum – plexus cervicalis

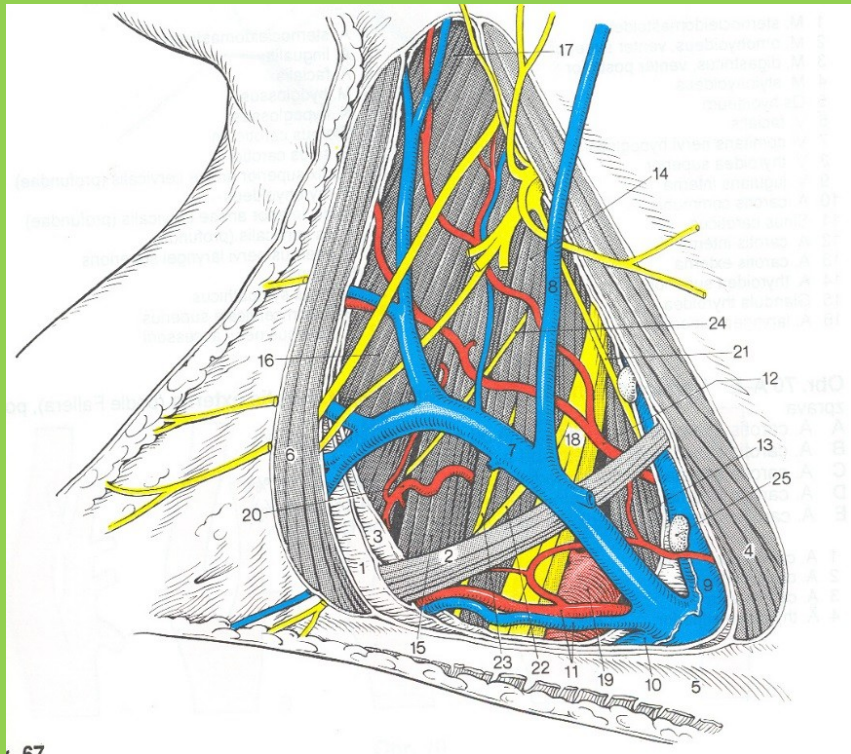




**2.vrstva**

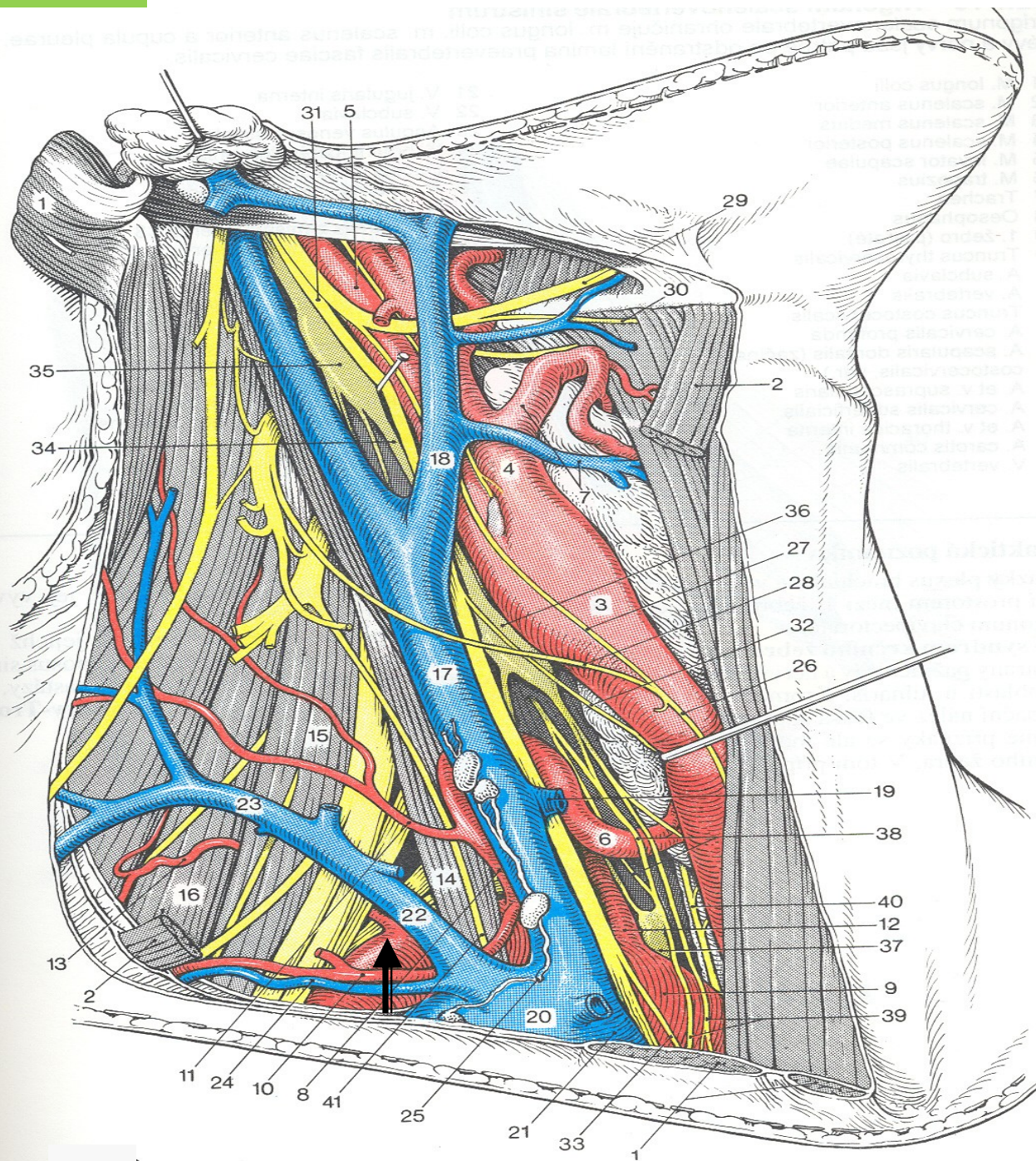
n.XI. – ramus ext.

Punctum nervosum



a. cervicalis superficialis



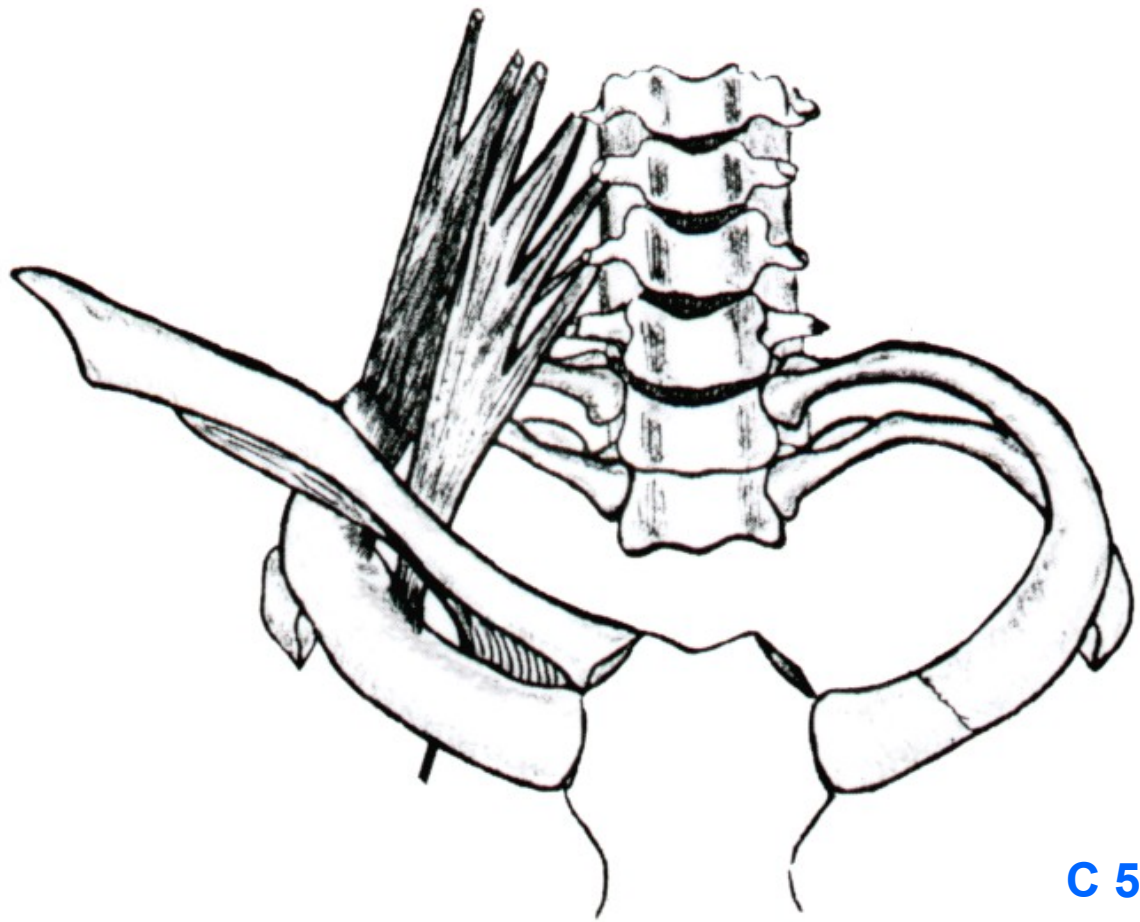


16  
15  
14  
m. scalenus ant.  
+ n. phrenicus

fi<sup>3</sup>ssura scalenorum  
+ n. dorsalis scap.  
n. thorac. longus

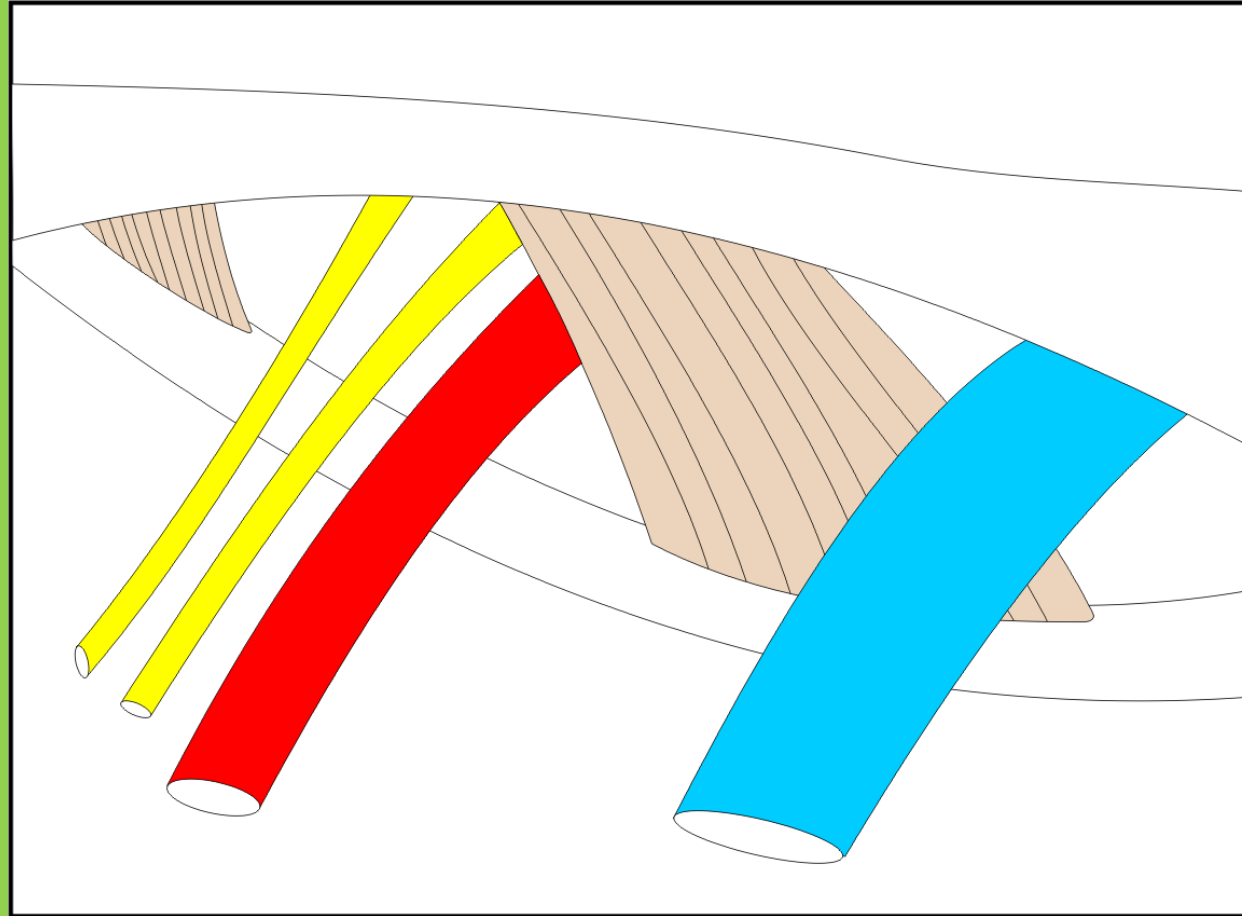
a. transversa colli  
1 (proráží plexus)

3.vrstva

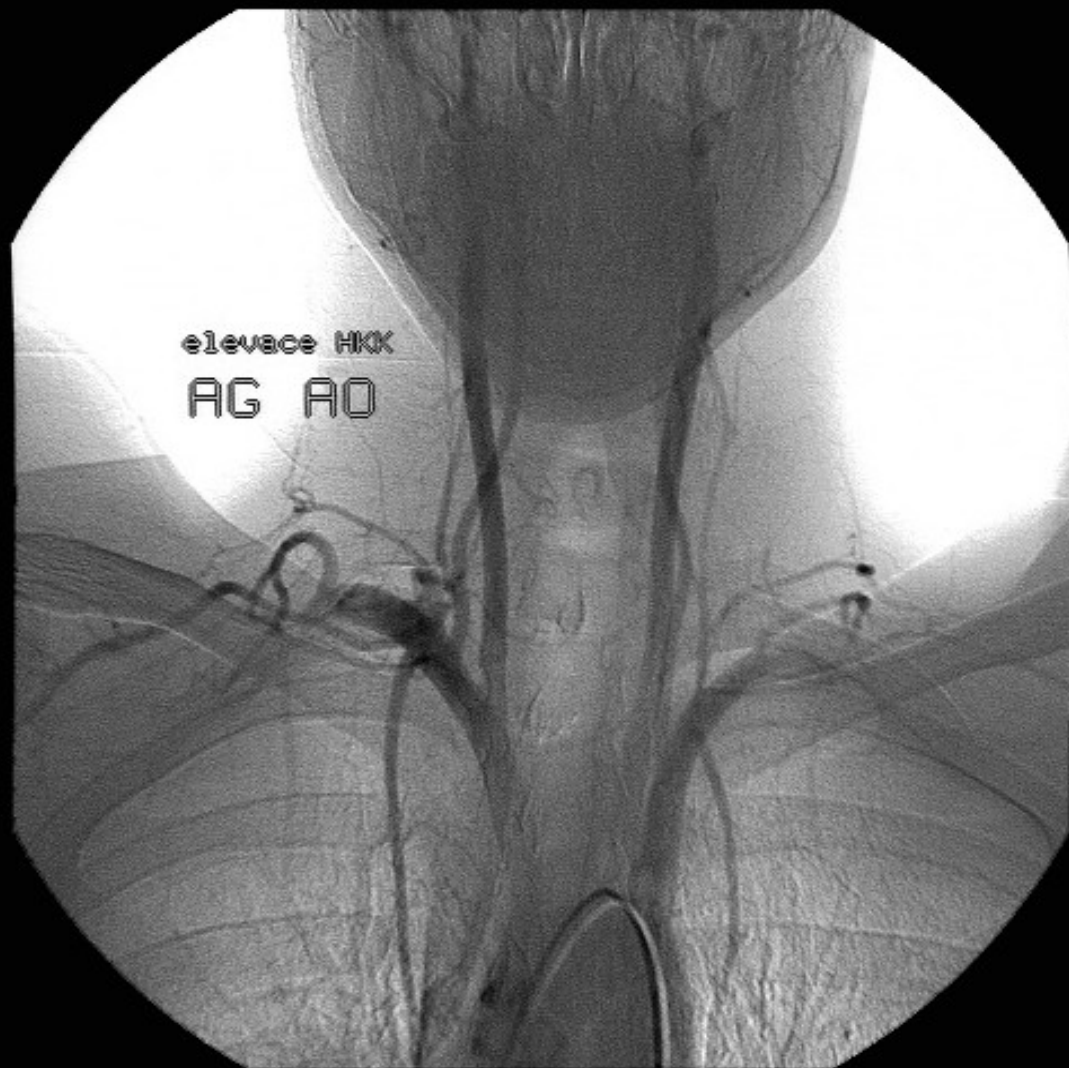


*fissura scalenorum*

(Žlábek, Čihák)



*fissura scalenorum* - a. + v. subclavia, plexus brachialis



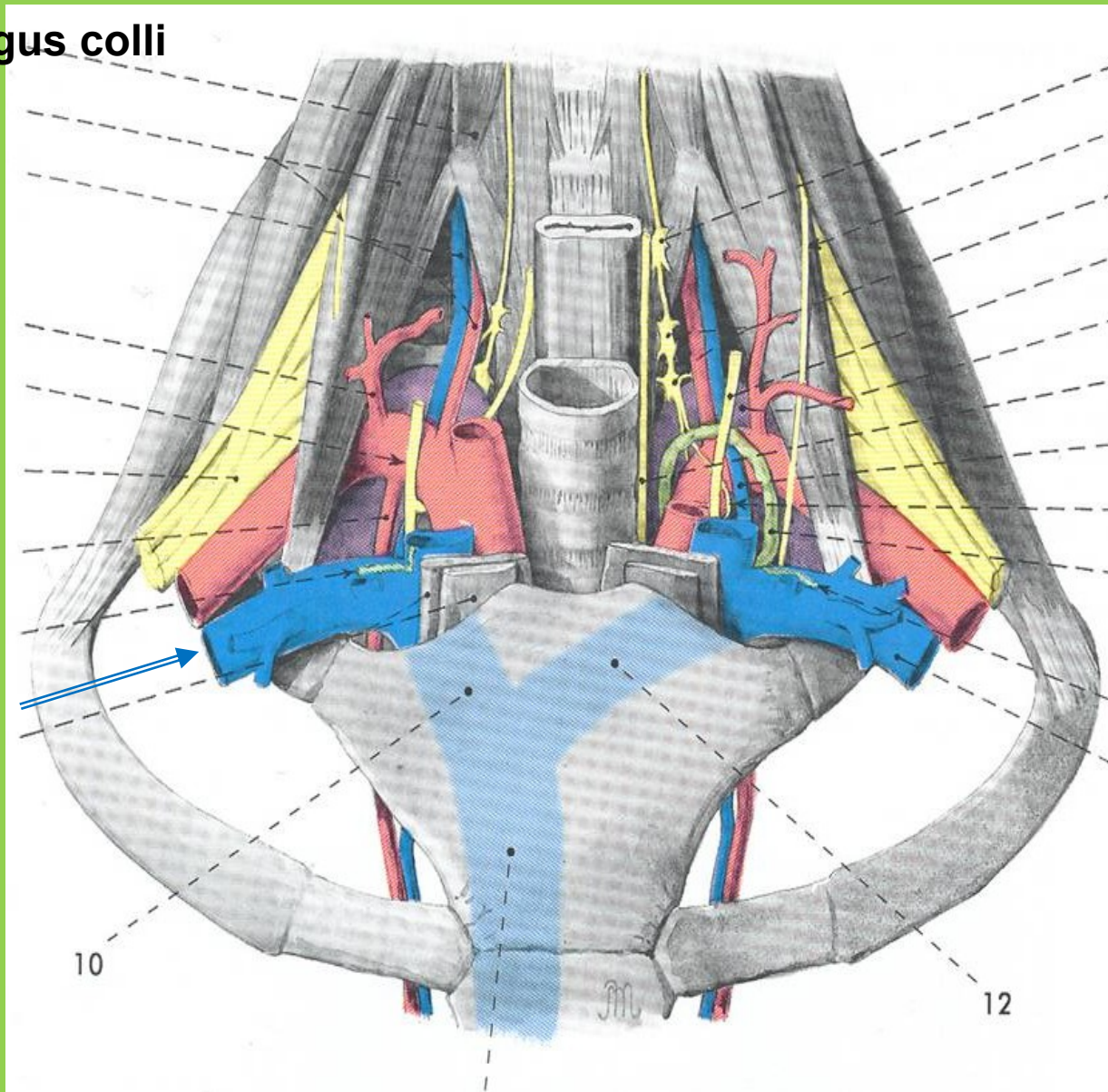
**thoracic outlet syndrom ( TOS ) - syndrom horní hrud. apertury**

C VI – tub. caroticum + longus colli

scalenus

cupula

kanylace



truncus symp.  
+ ggl. + ansa subcl.  
(*Vieussens*)

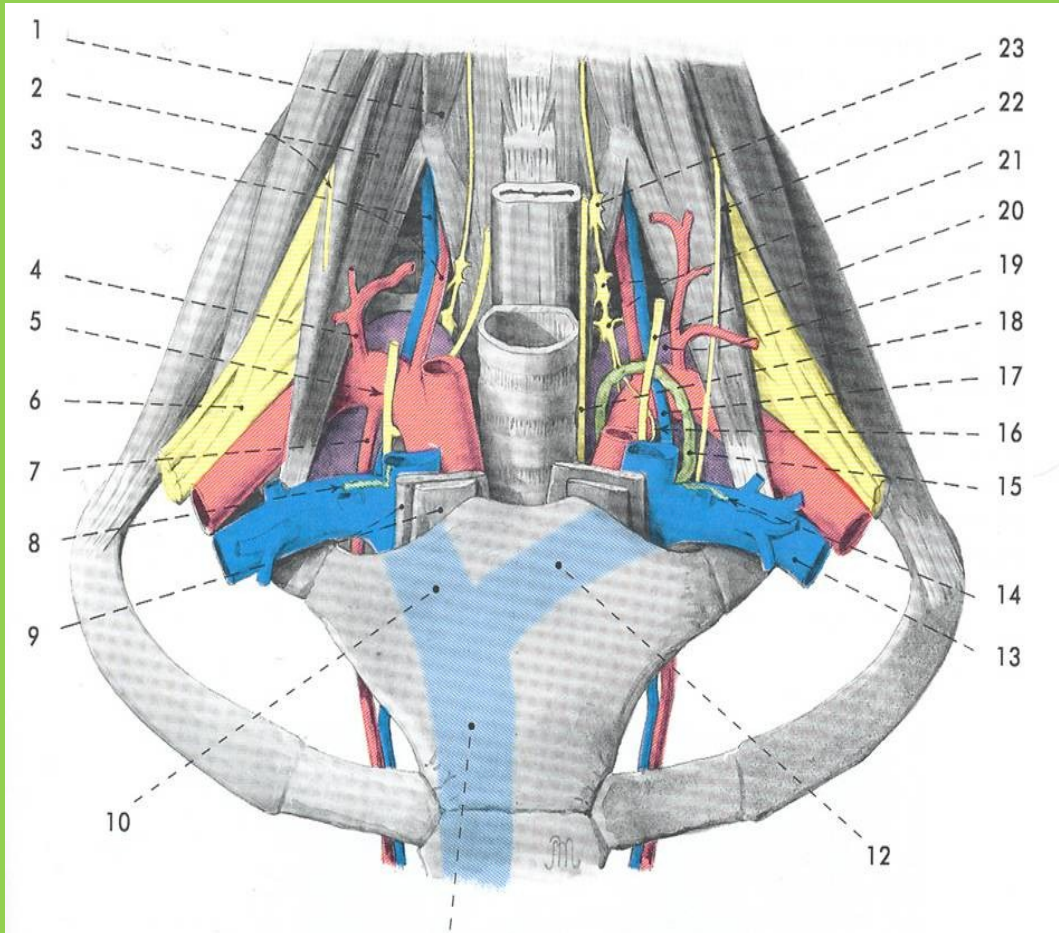
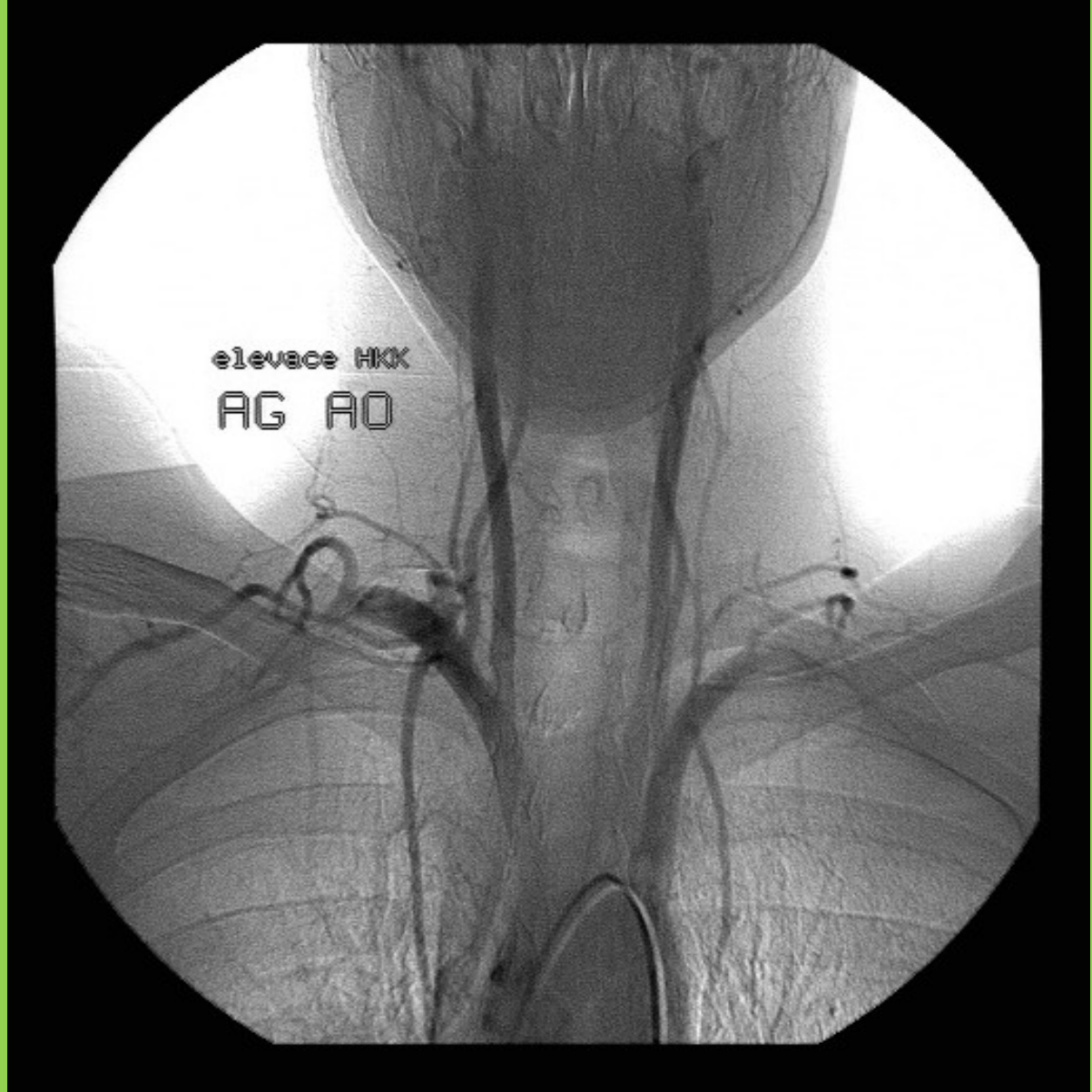
duct. thoracicus  
angulus venosus

a. vertebralis  
tr. thyrocervic.

a. thoracica  
interna=vpravo

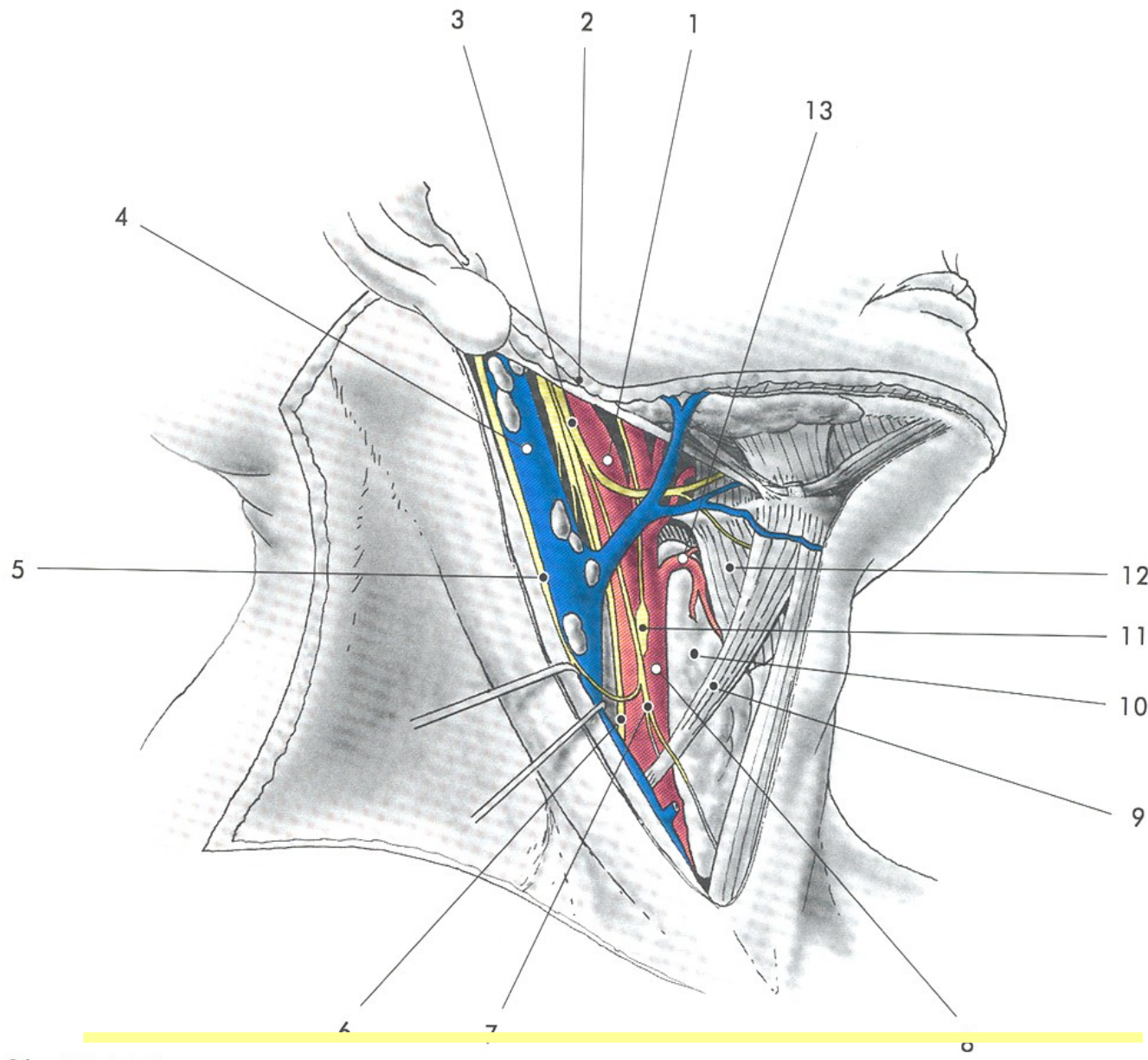


Scalenovertbrale (subclaviae)



Trigonum scalenovertbrale – Rtg





## OHRANIČENÍ

v. jugul int.  
 (v. facialis)  
 + nodi cerv.  
 prof.  
 arcus n. XII  
 + ansa cervic.

carotis + bifurc.  
 + glomus carot.  
 Větvení: ...  
 + **Béclard**

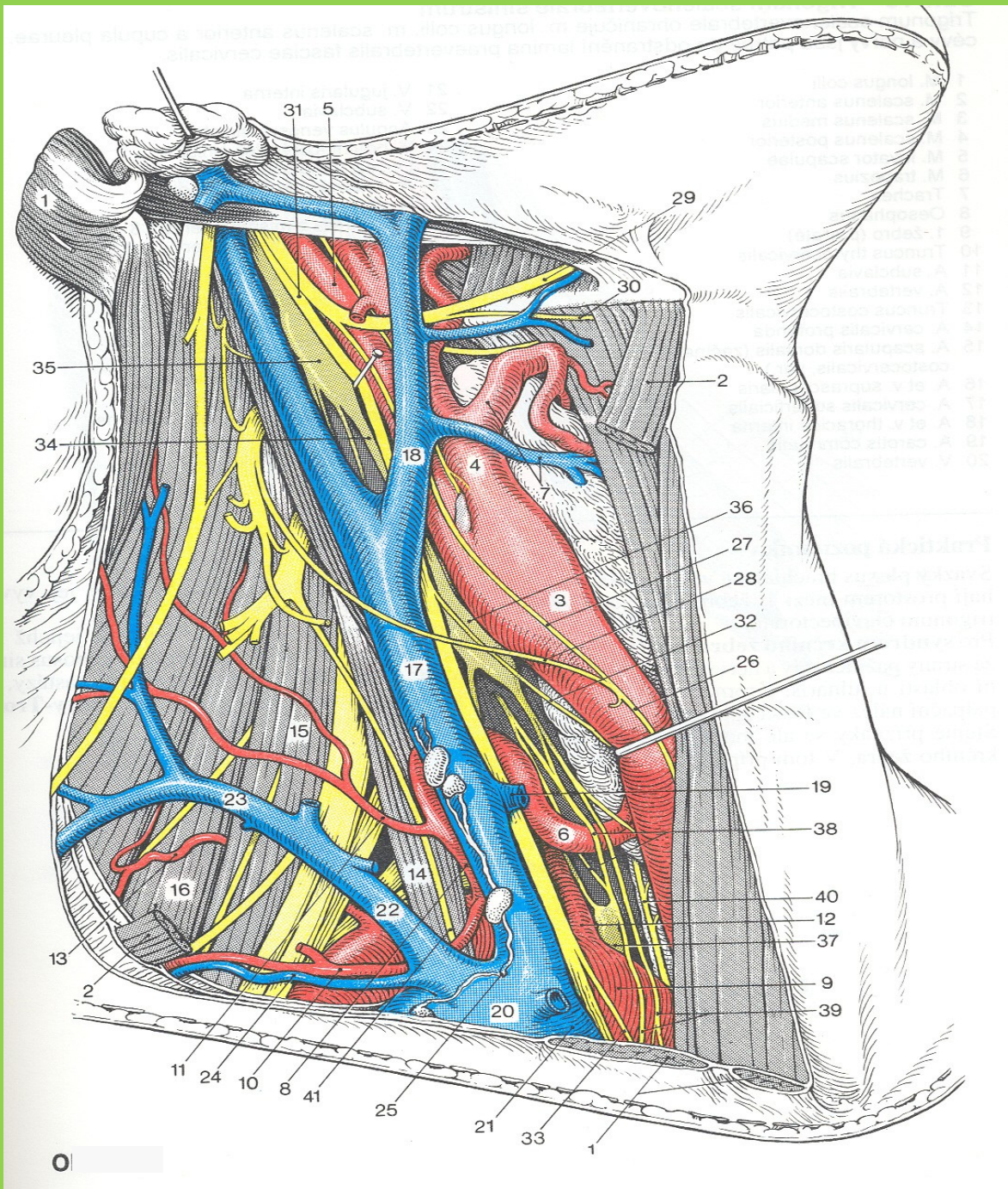
n. vagus



**CAROTICUM**



- 1 - a. facialis
- 4 - arcus n. XII
- 7- n. laryng. sup.
- 8 - a. thy. sup.



**vena jugul.  
(+ v. facialis)  
a. thyreiod. sup.**

**a. lingualis  
Béclard (+1825)**

**n. vagus**

**trunc. sympath.  
+ ganglia  
ansa subclavia  
(Viessens)**

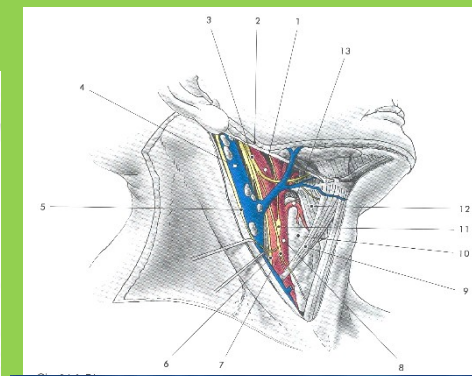
**ANSA CERVIC.  
(prof., hypogl.)**



stenosa - s



stav po angioplastice



stenty

Arteriografie (angiografie) a. carotis

## HAGENŮV - POISEUILLŮV ZÁKON

- vyjadřuje vztah mezi průtokem v dlouhé úzké trubici, viskozitou kapaliny a poloměrem trubice

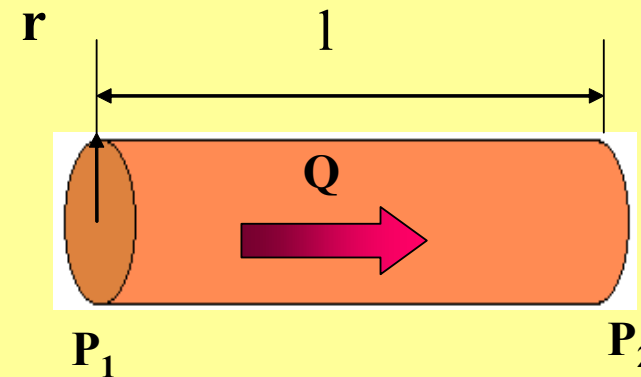
$$Q = \Delta P \cdot \pi \cdot r^4 / 8 \cdot l \cdot \eta$$

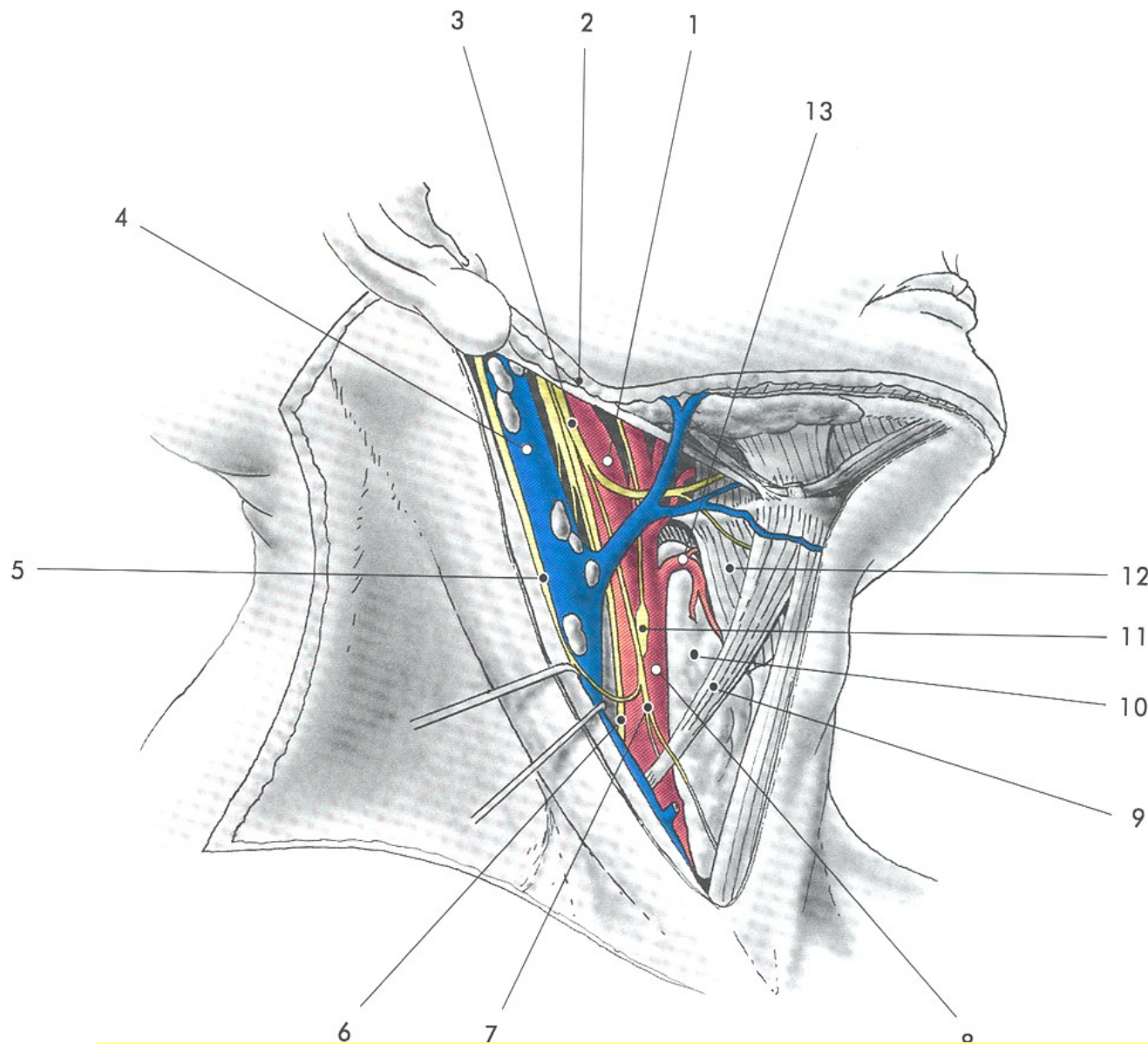
$\Delta P$ .....tlakový gradient [Pa]

$r$ .....poloměr trubice [m]

$l$ .....délka trubice [m]

$\eta$ .....viskozita [Pa.s]-





**OHRANIČENÍ....**

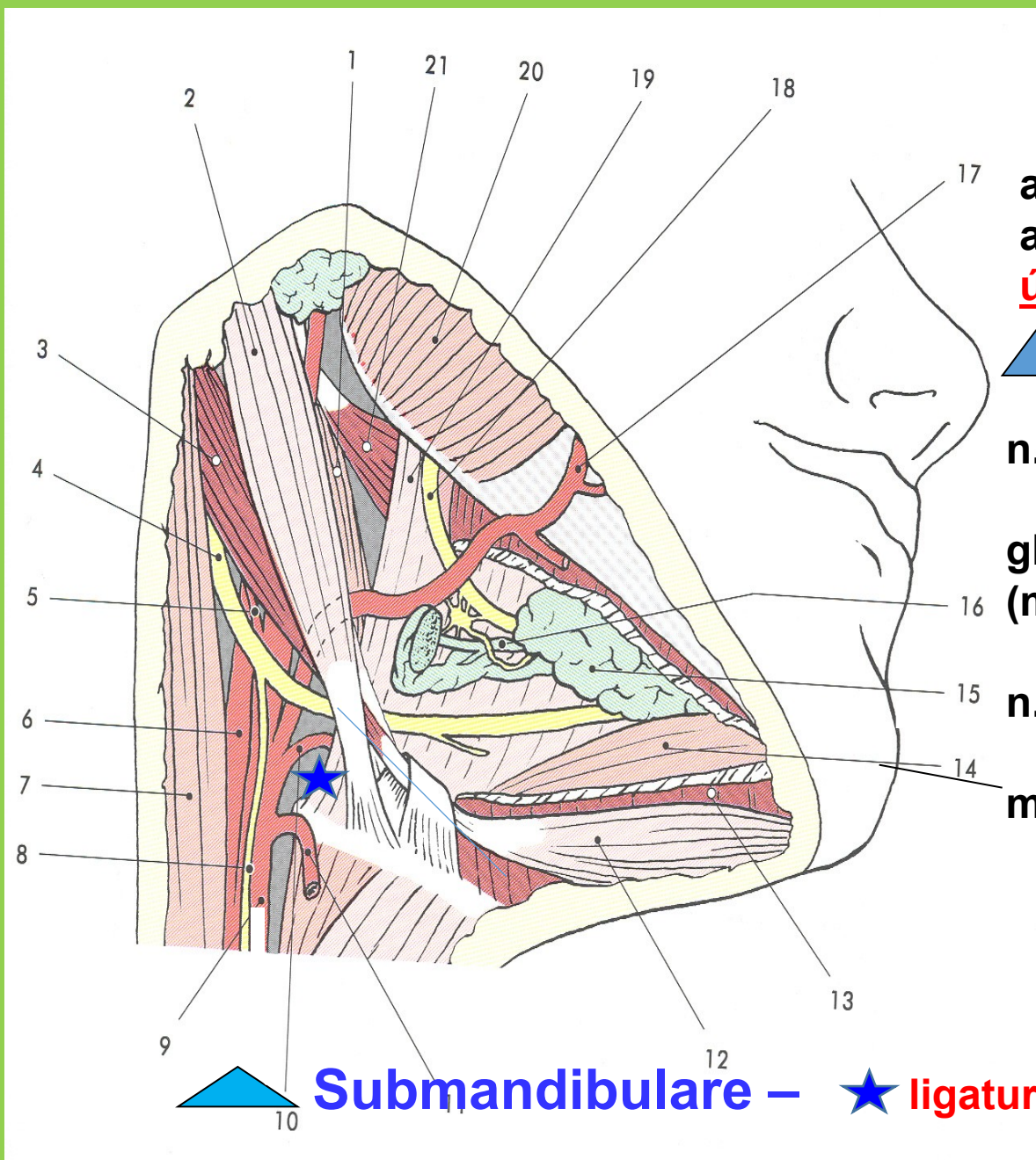
**gl. submandibularis  
v. facialis**

**n. hypoglossus**



**submandibulare**

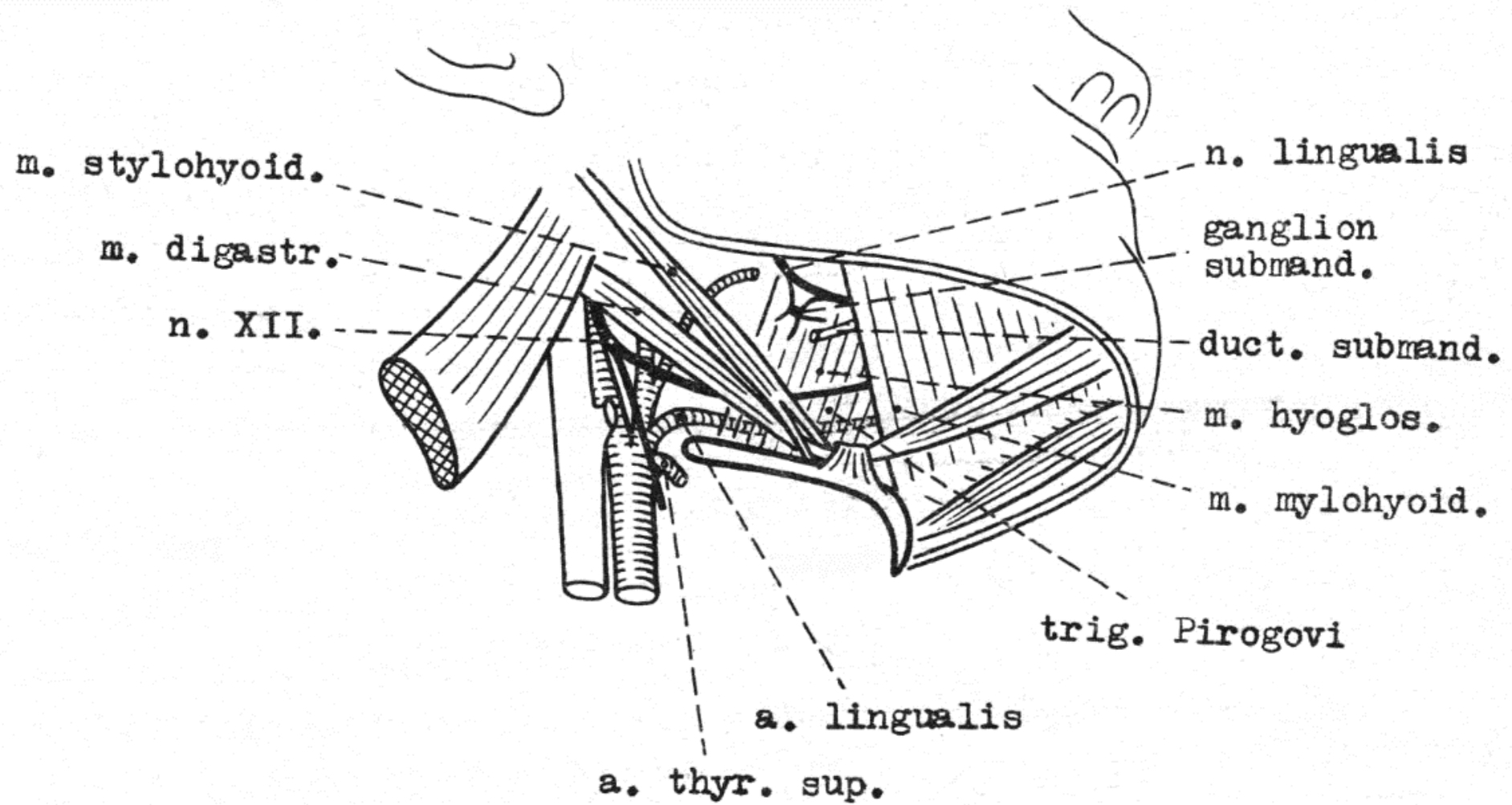




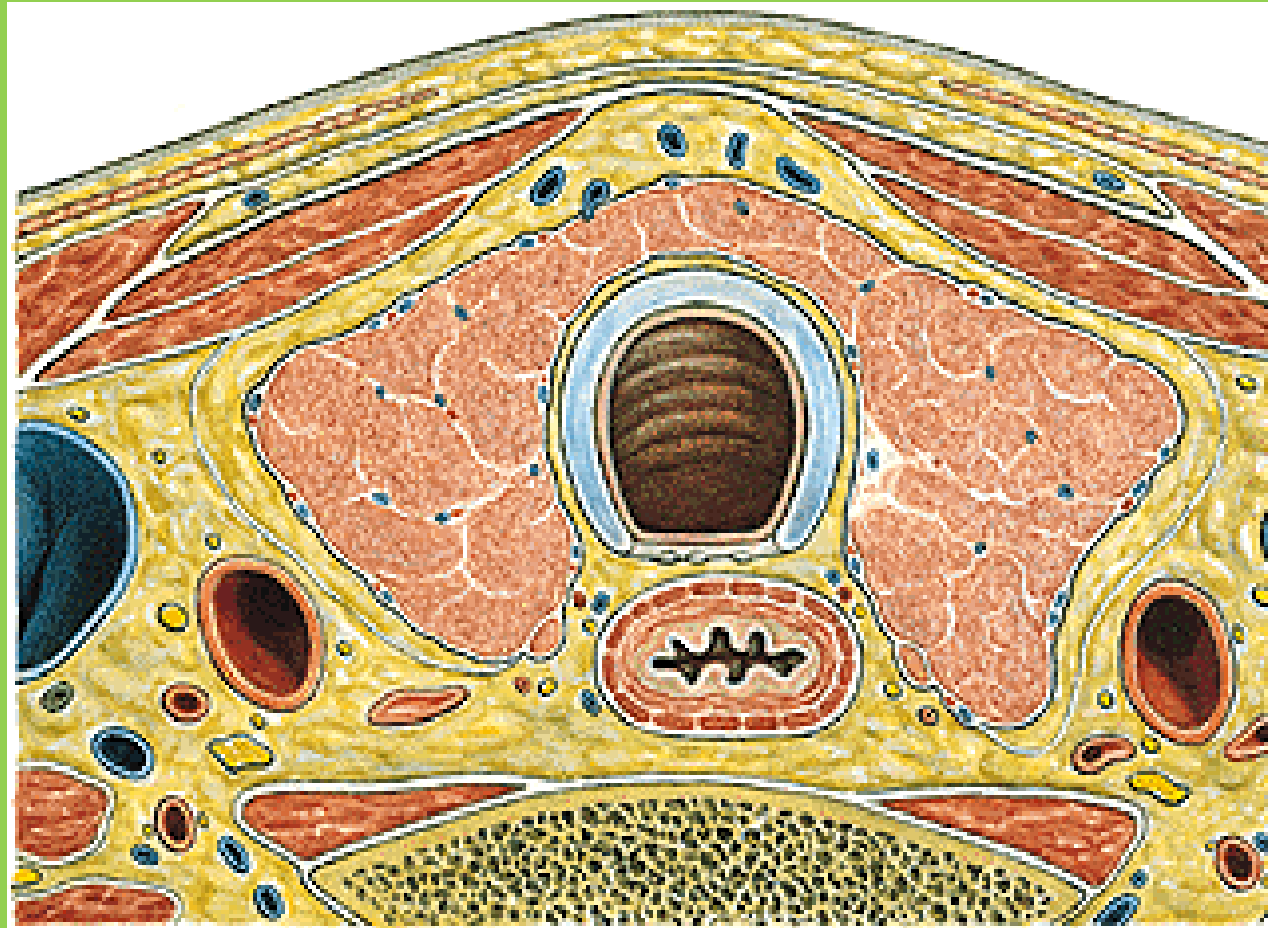
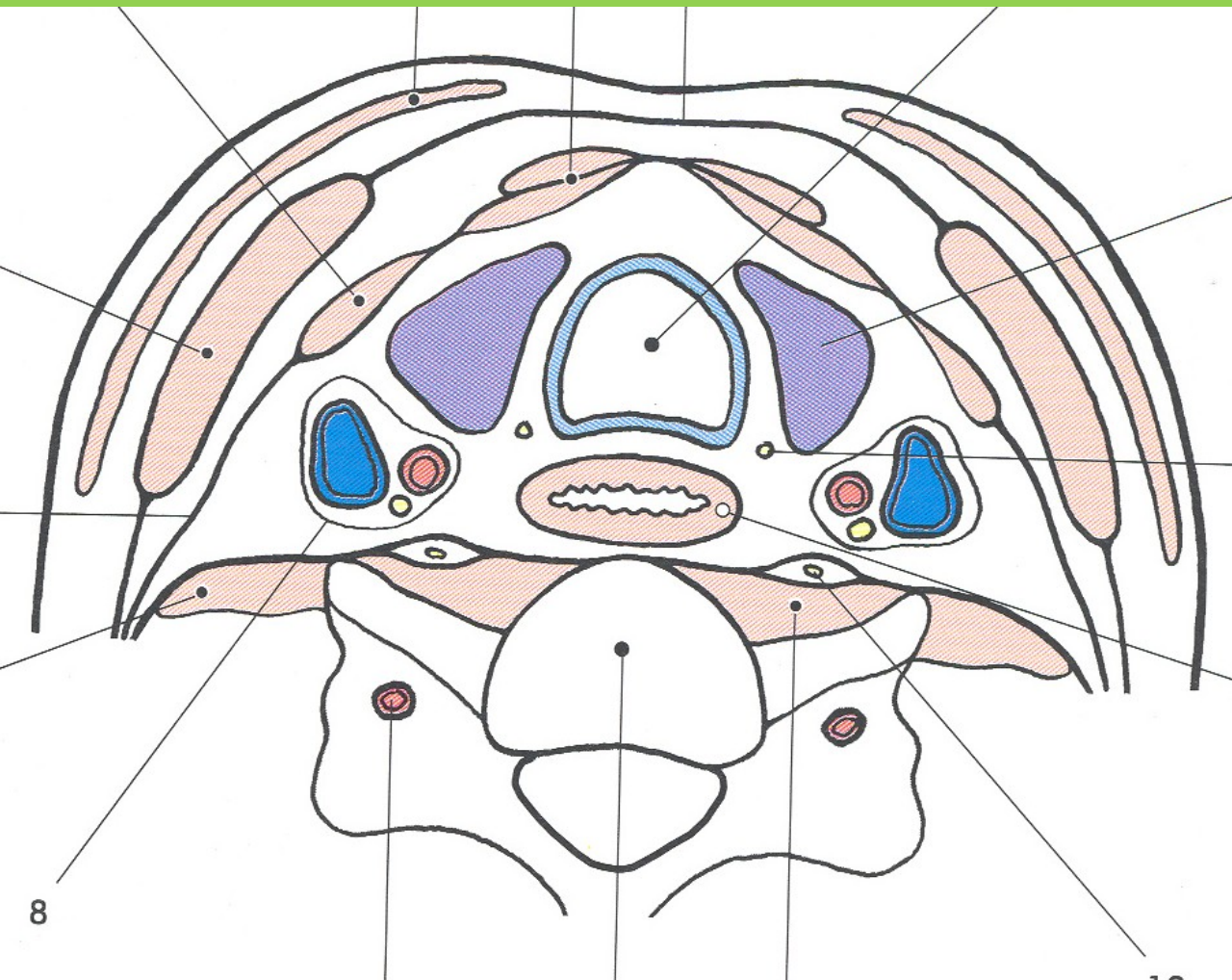
- a. facialis
- a. lingualis: úhel Béclardův ★
- ▲ Pirogovův →
- n. hypoglossus
- gl. sublingualis (m. hyoglossus)
- n. lingualis + ggl.
- m. geniohyoideus

▲ Submandibulare – ★ ligatury a. lingualis





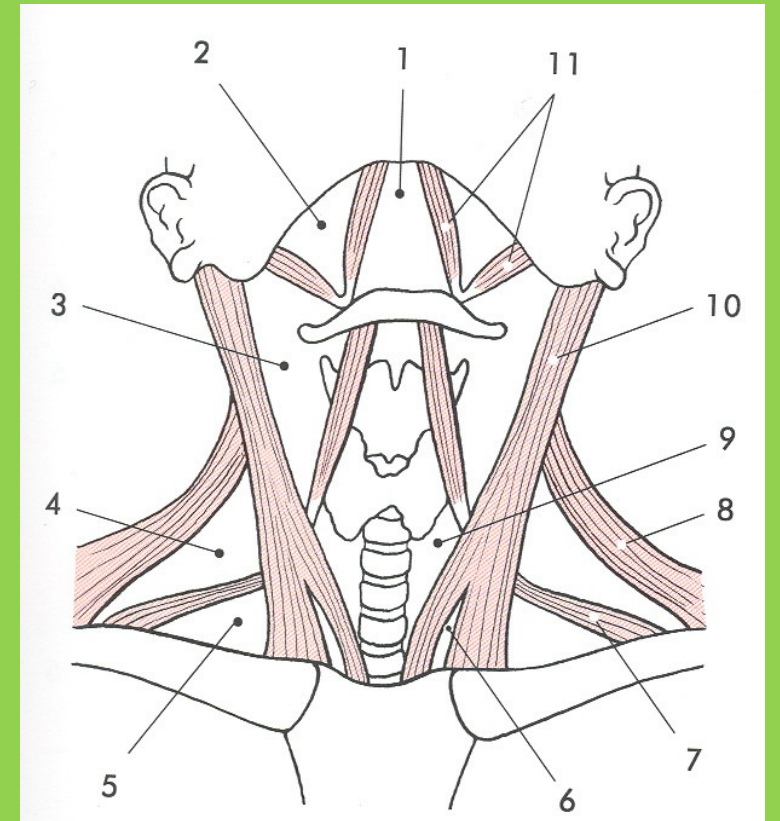
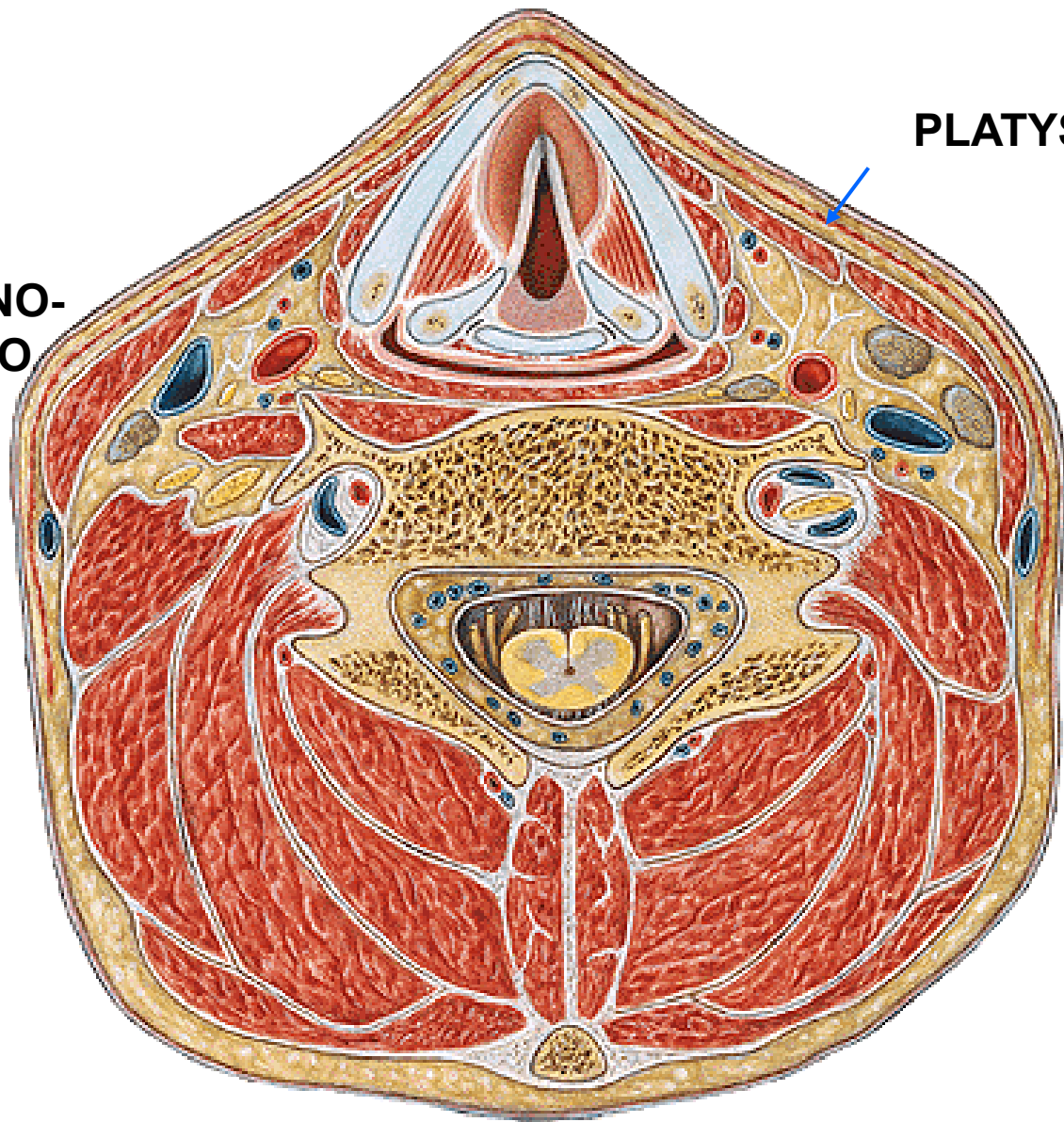
 PIROGOVŮV ( arcus XII, mylo-, digastr.)



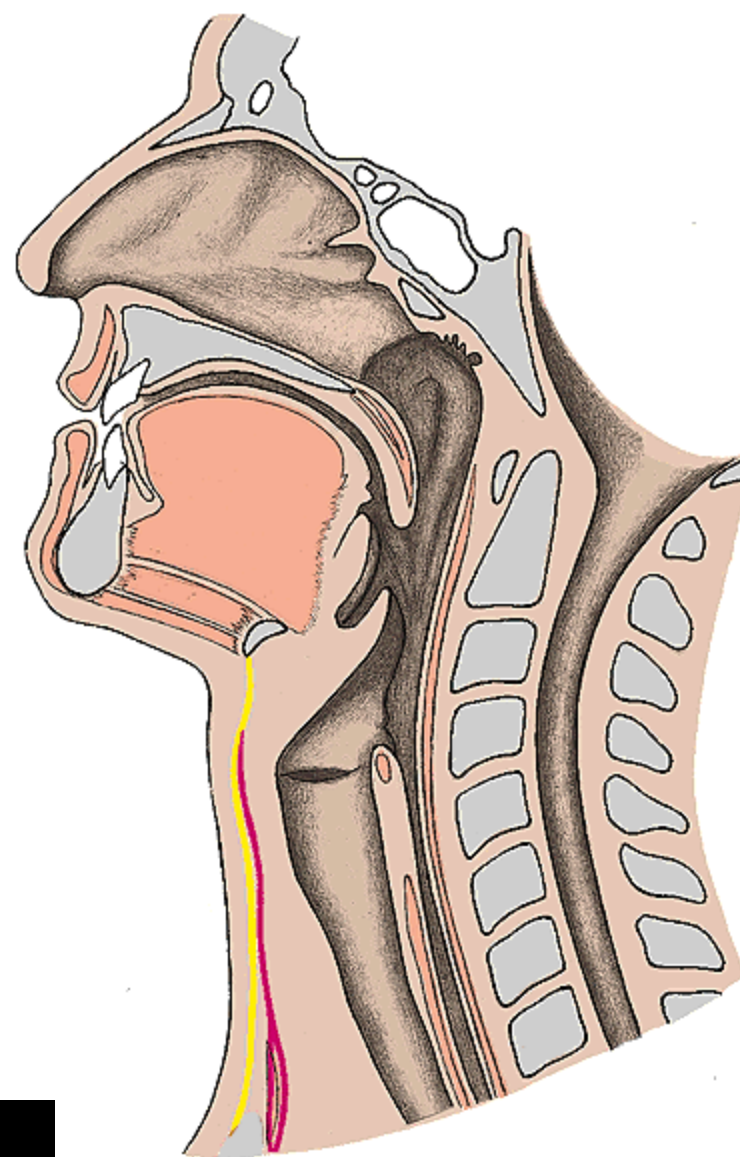
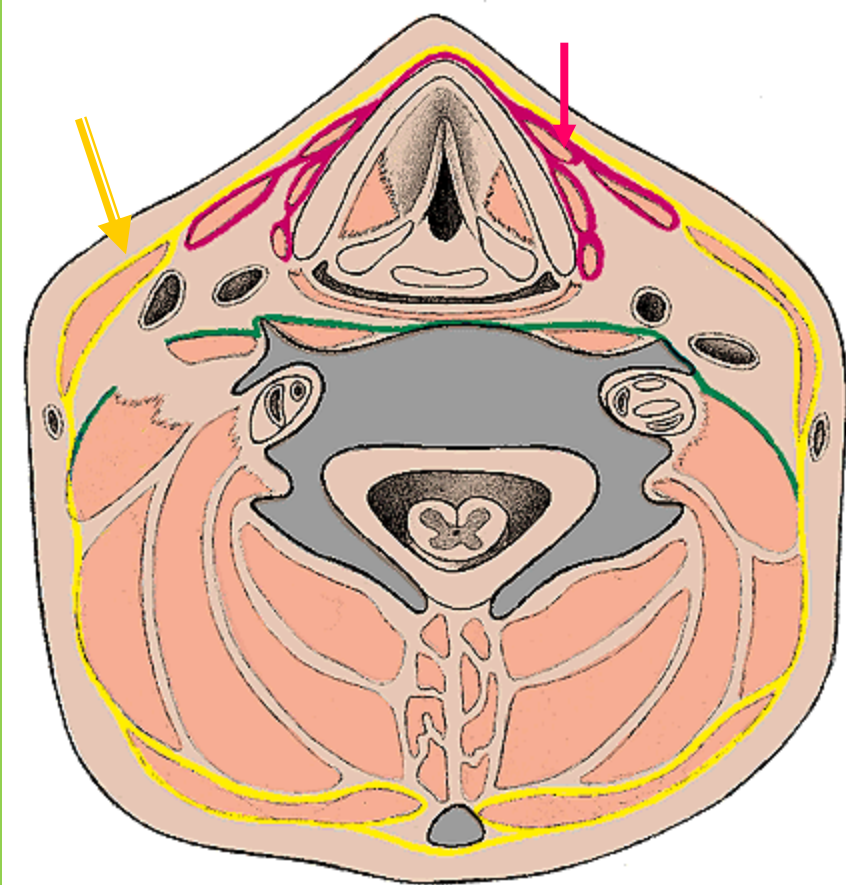
**Fascie krku:** povrchová, střední, hluboká (prevertebrální)

**STERNO-  
CLEIDO**

**PLATYSMA**



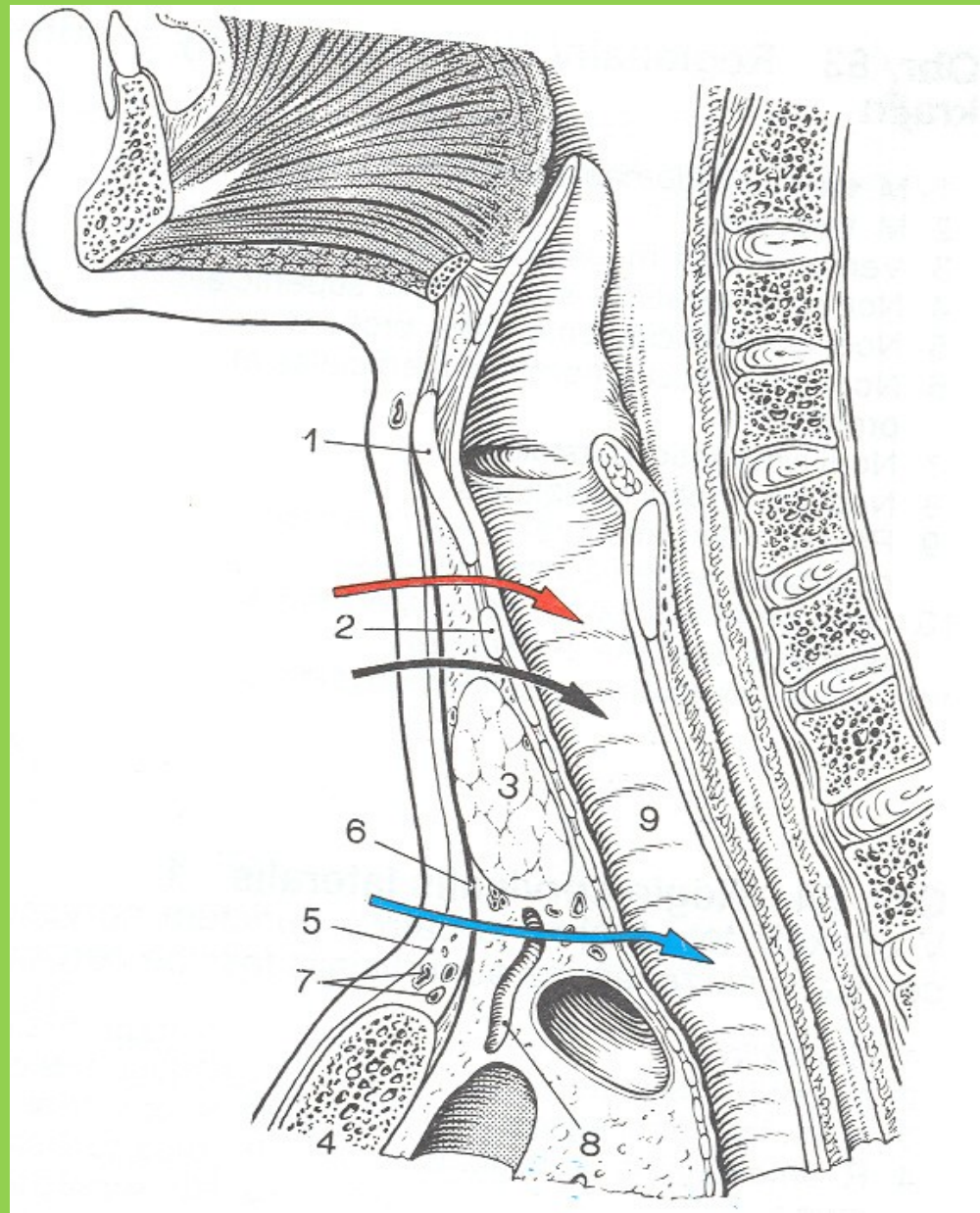
**Fascie krční**



**superfic.**

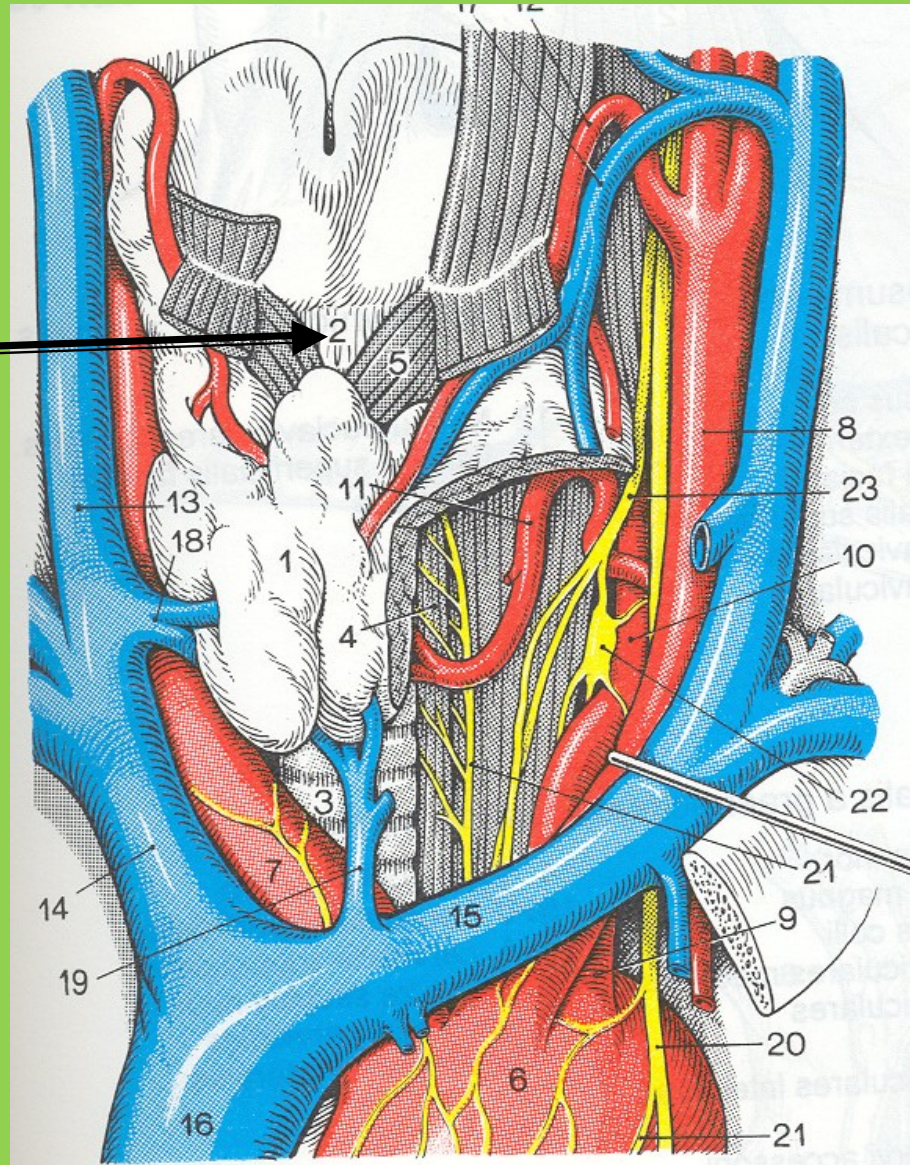
**praetrach.**

**praevertebr.**



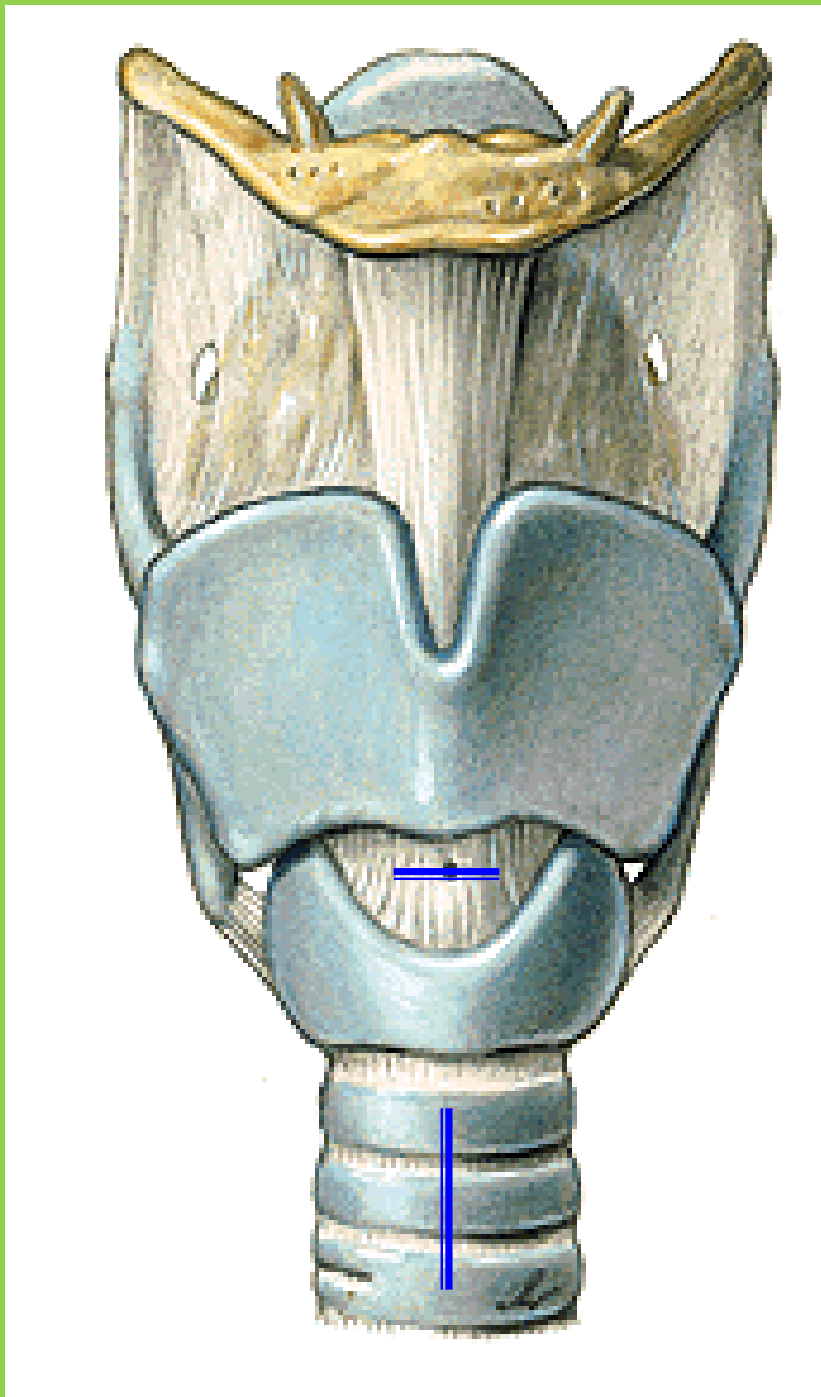
Koniotomie, tracheotomie: a) horní b) dolní

**conus elasticus  
(lig. cricothyroid.)**

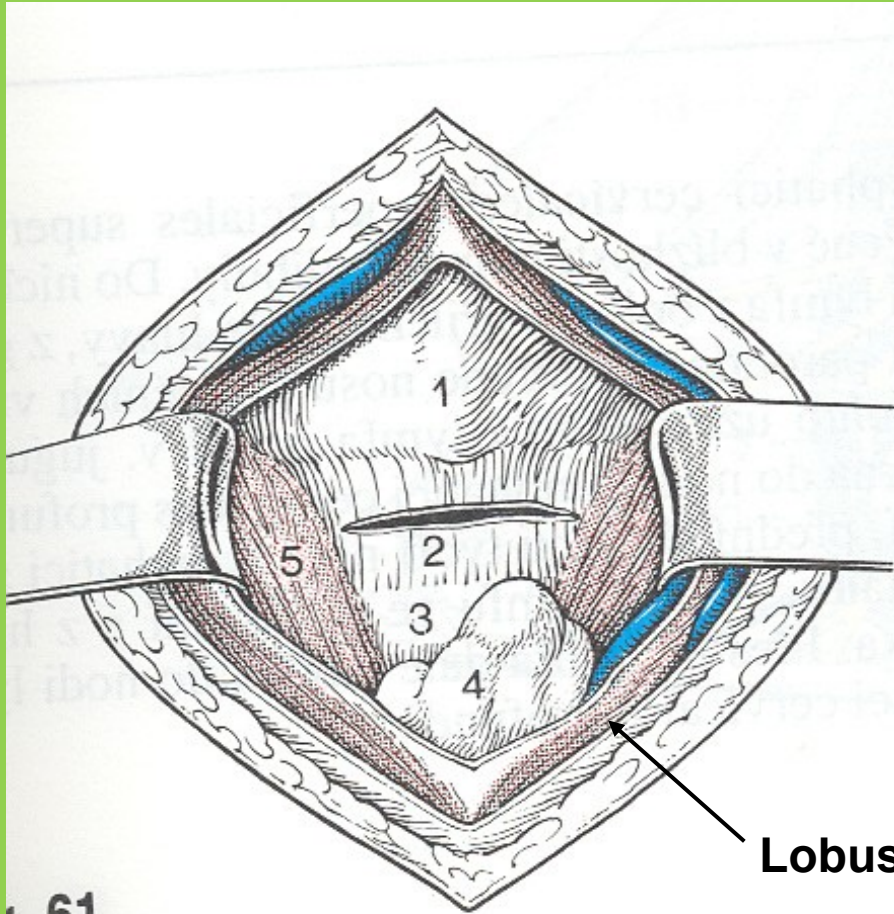


**Lobus dx., sin.  
Isthmus,  
pyramidalis**

**koniotomie**



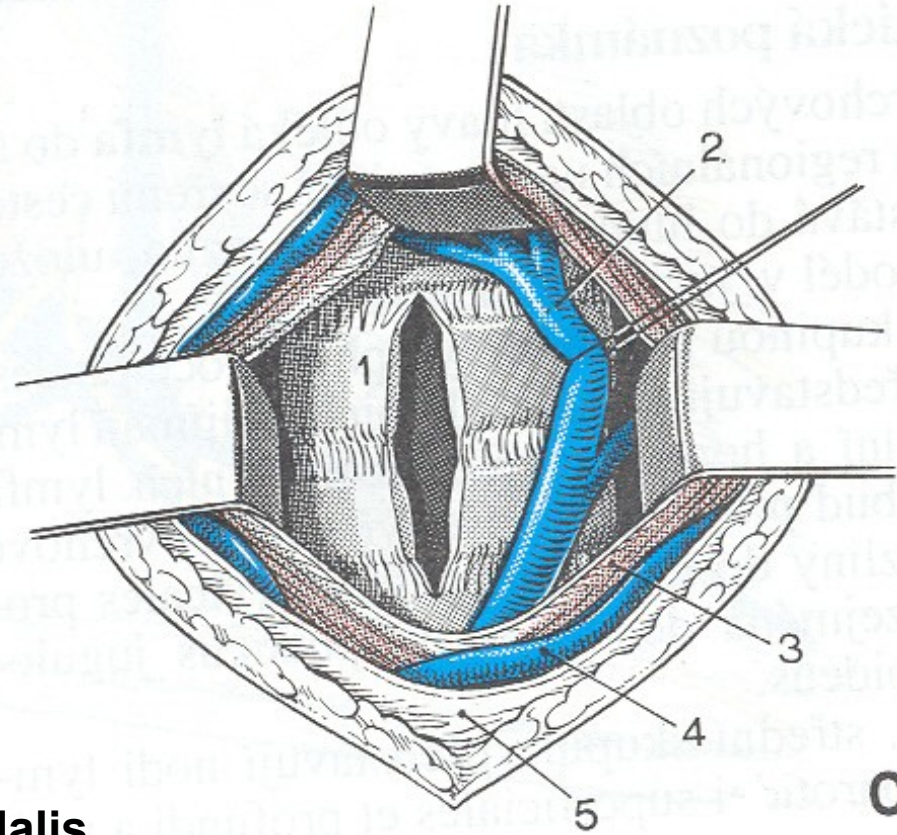
koniotomie, punkce  
tracheotomie



Lobus pyramidalis

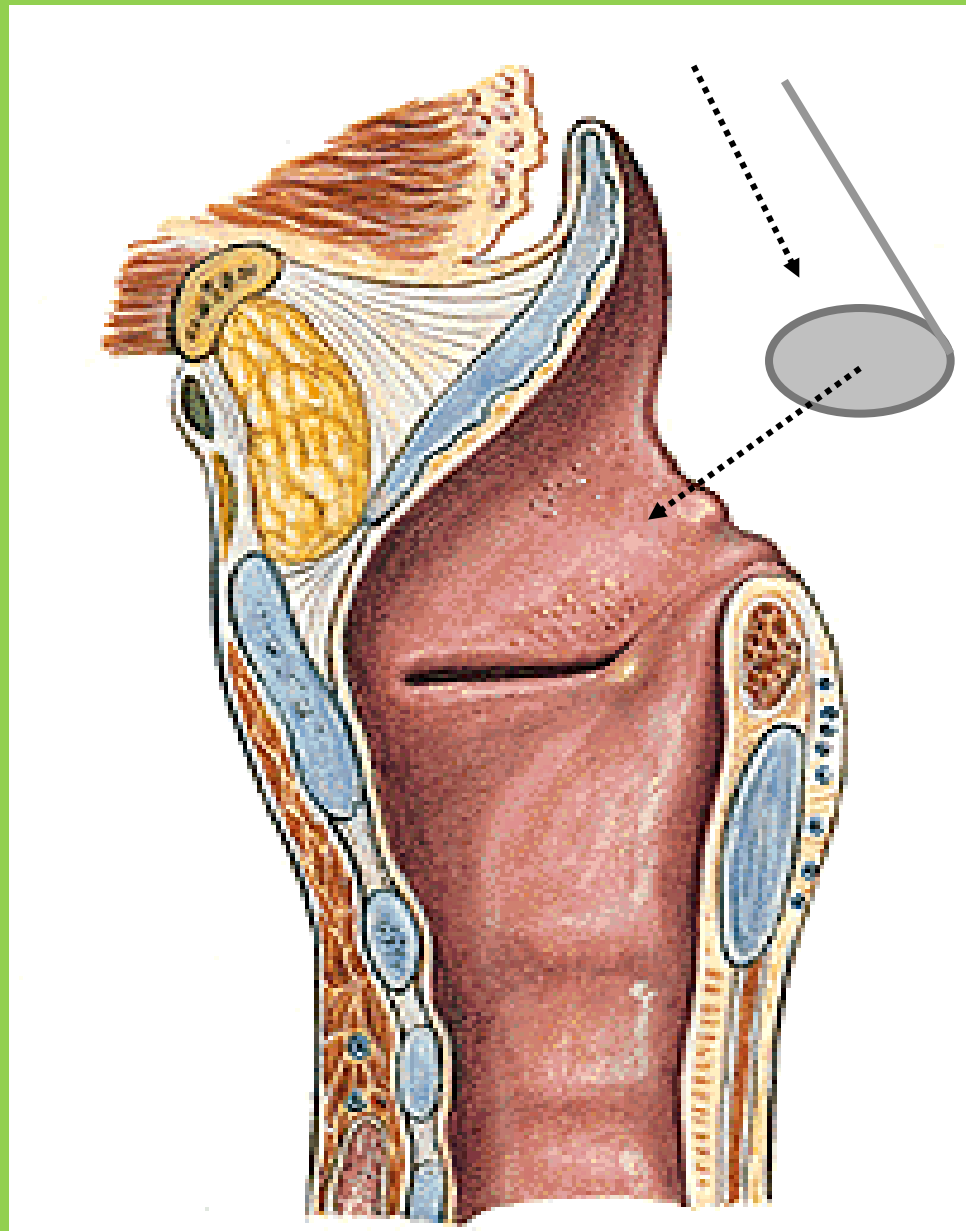
r. 61

**koniotomie**



**tracheotomie**





**radix linguae**

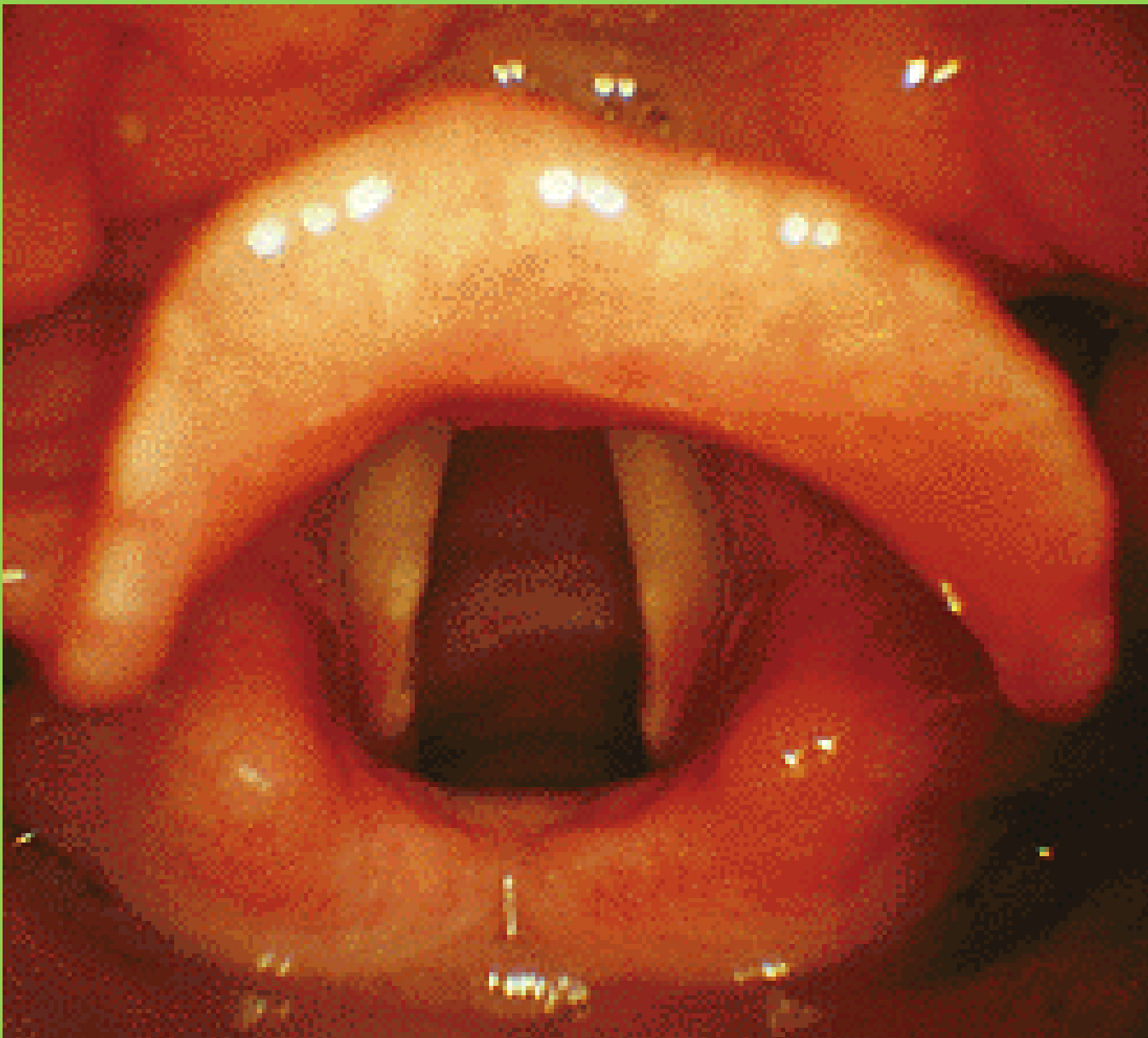
**epiglottis + aditus**

**cartil. corniculatae  
+ cuneiformes**

**pl. ventric., vocales**

**cartil. cricoidea**

**Laryngoskopický obraz**



**radix linguae**

**epiglottis**

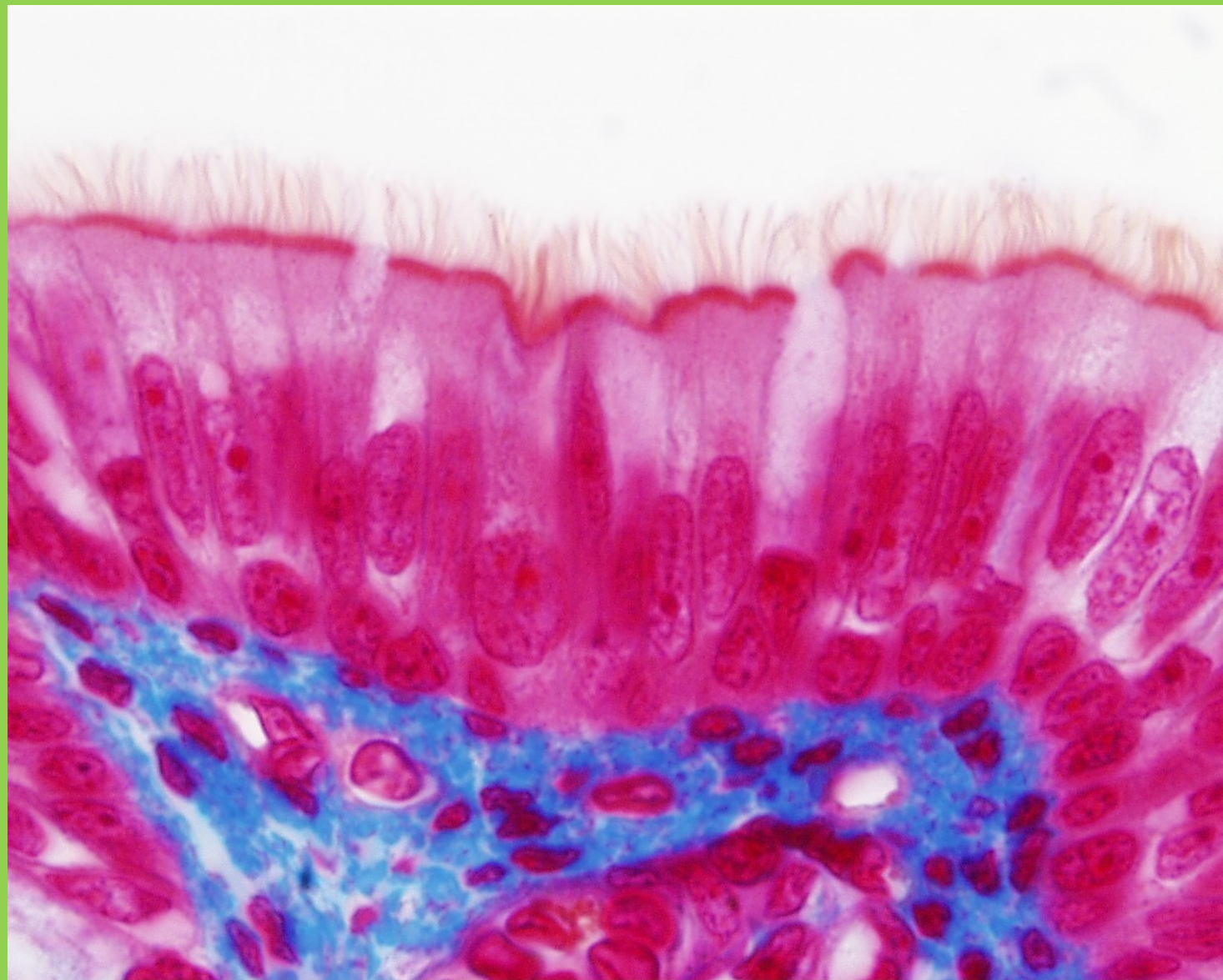
**pl. ventric., vocales**

**plica aryepiglottica  
cornicul., cuneiform.**

**incissura  
interarythenoid.**

**hypopharynx**

**Laryngoskopický obraz**



**epitel cylindrický řasinkový - typický epitel dýchacích cest**