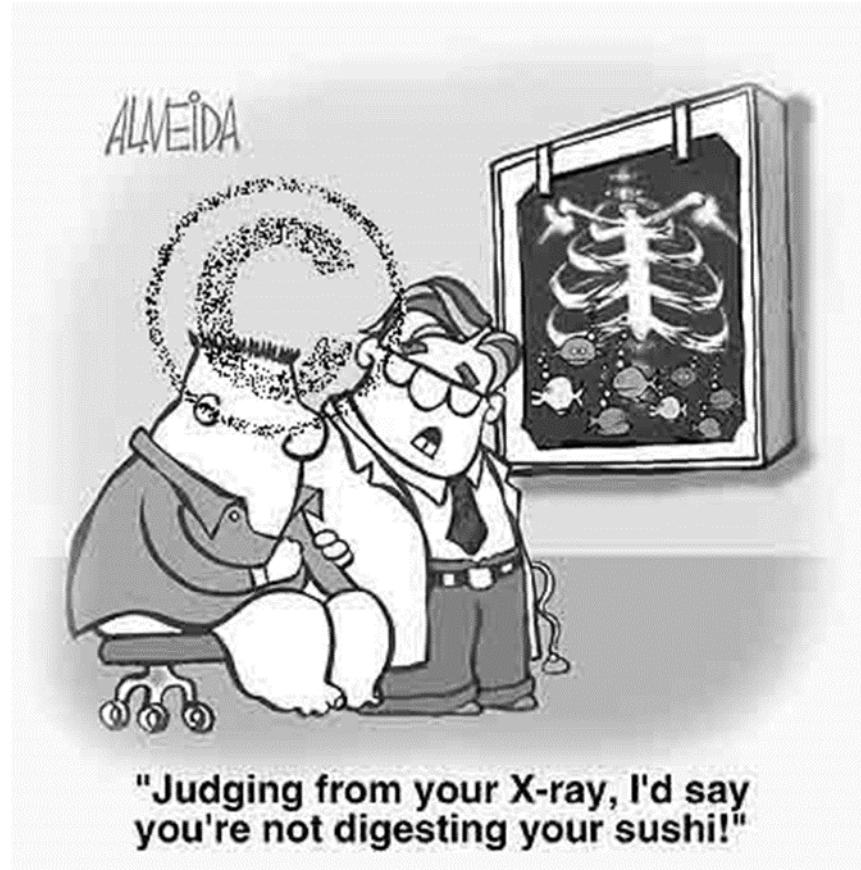


# DIGESTIVE SYSTEM



# **DIGESTIVE SYSTEM I.**

**•ORAL CAVITY**

# **GASTROINTESTINAL TRACT – GIT (APPARATUS DIGESTORIUS)**

**Oral cavity (Cavitas oralis)**

**Pharynx**

**Oesophagus**

**Stomach (Ventriculus)**

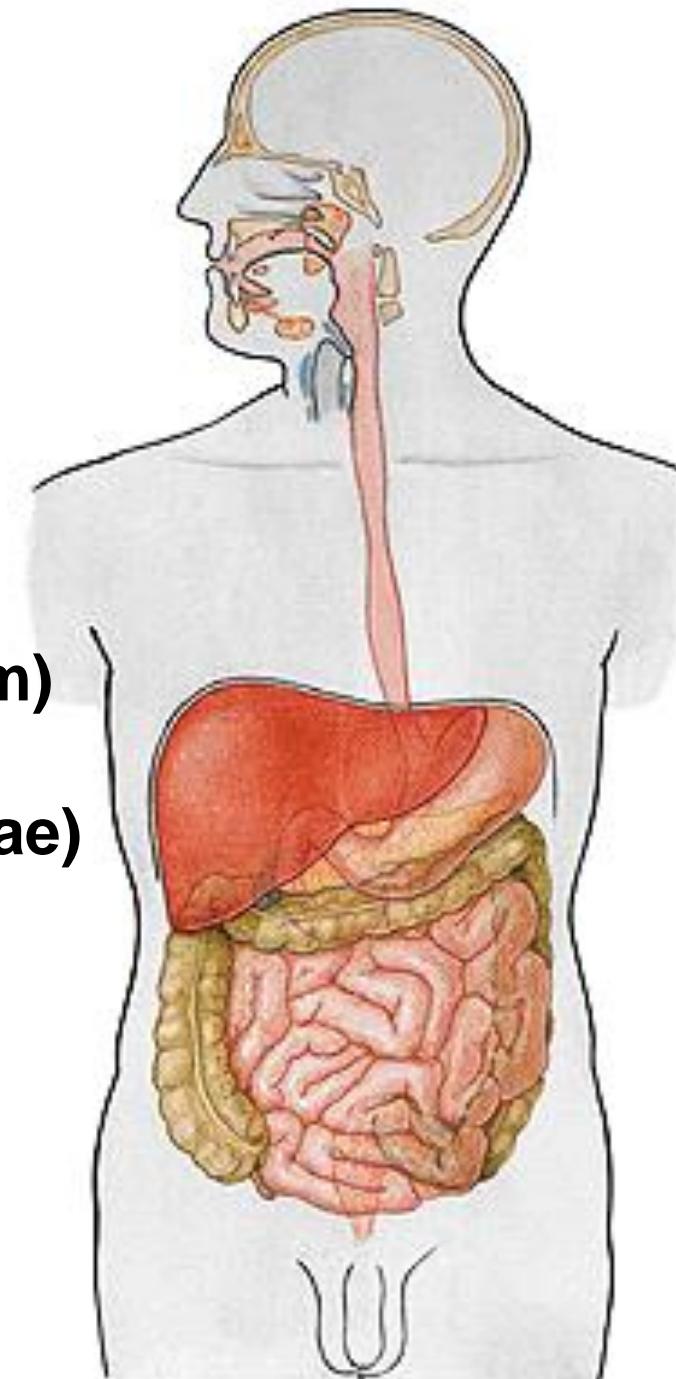
**Small intestine (Intestinum tenue)**

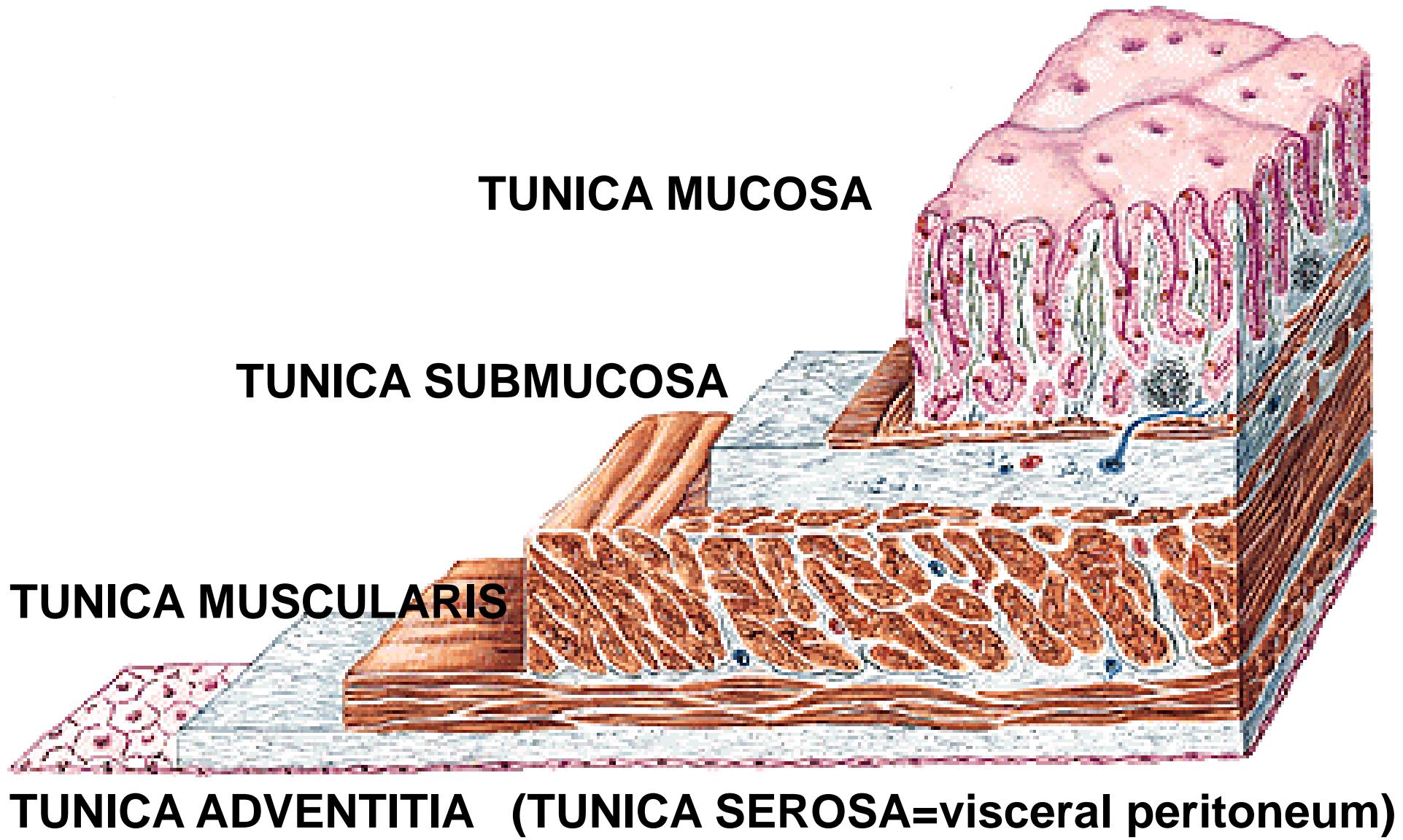
**Large intestine (Intestinum crassum)**

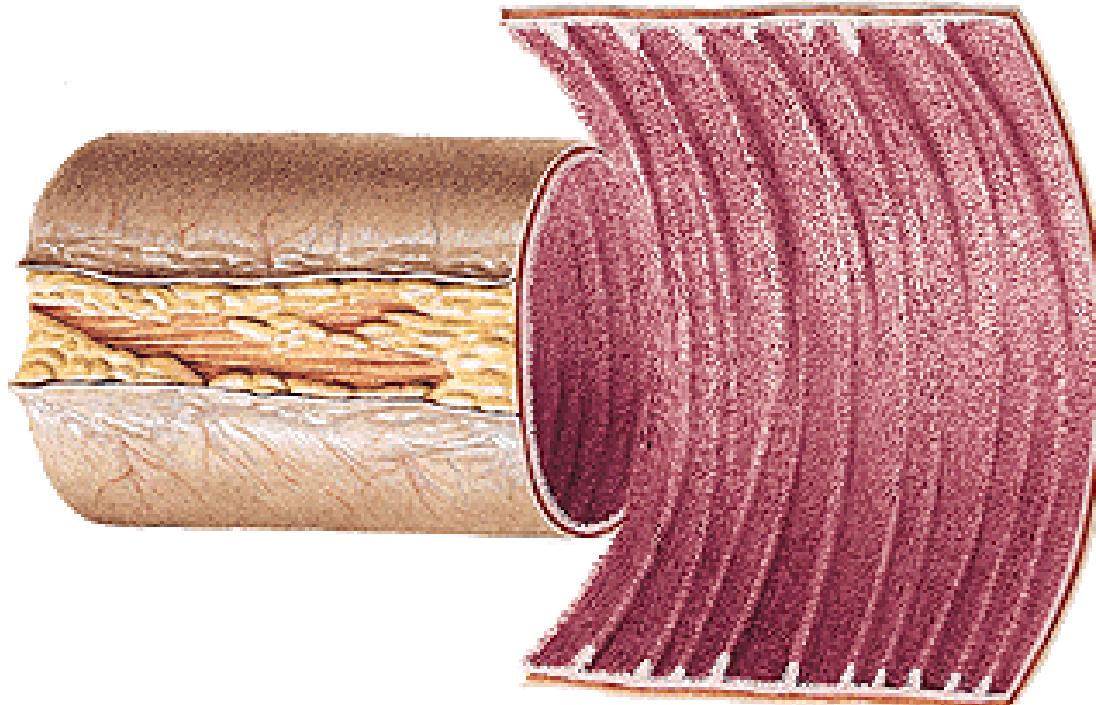
**Salivary glands (Glandulae salivariae)**

**Liver (Hepar)**

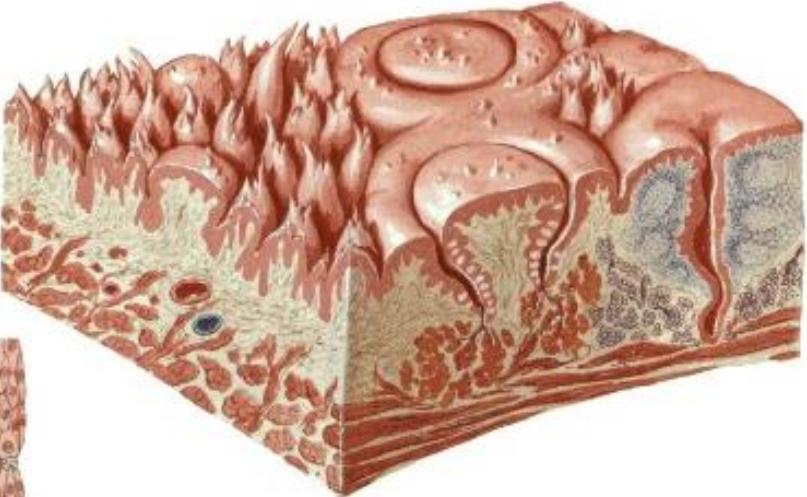
**Pancreas**



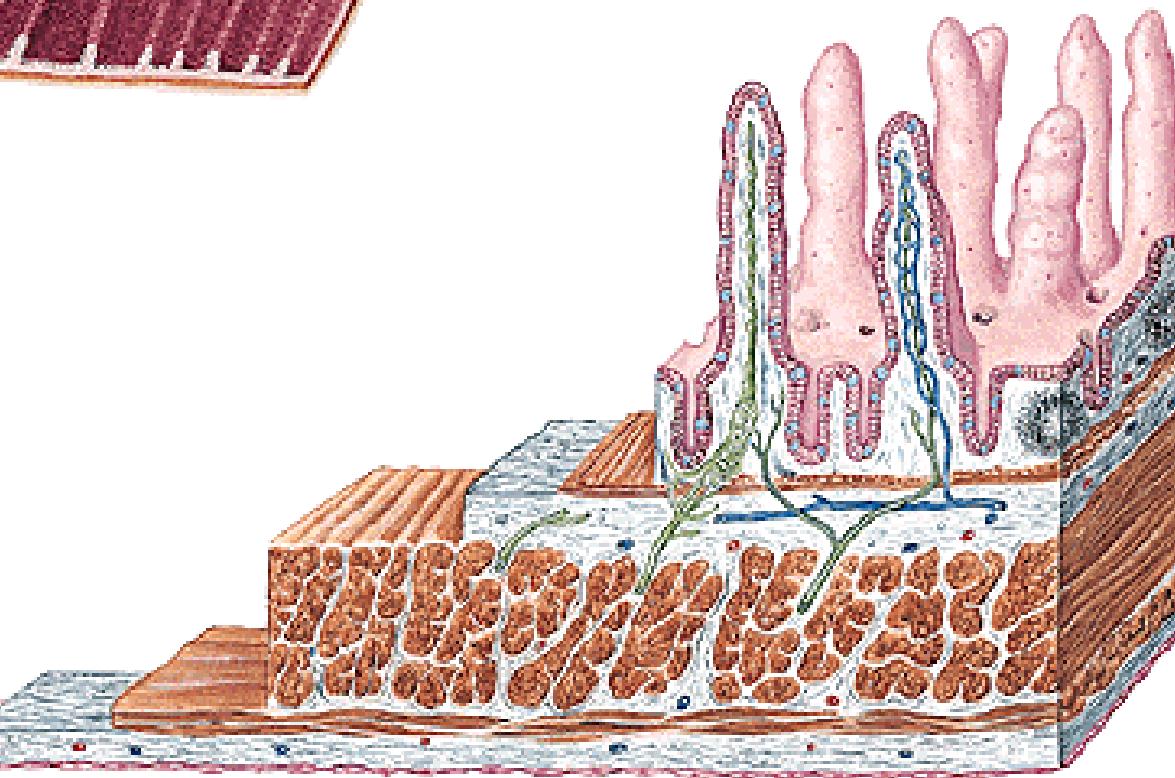




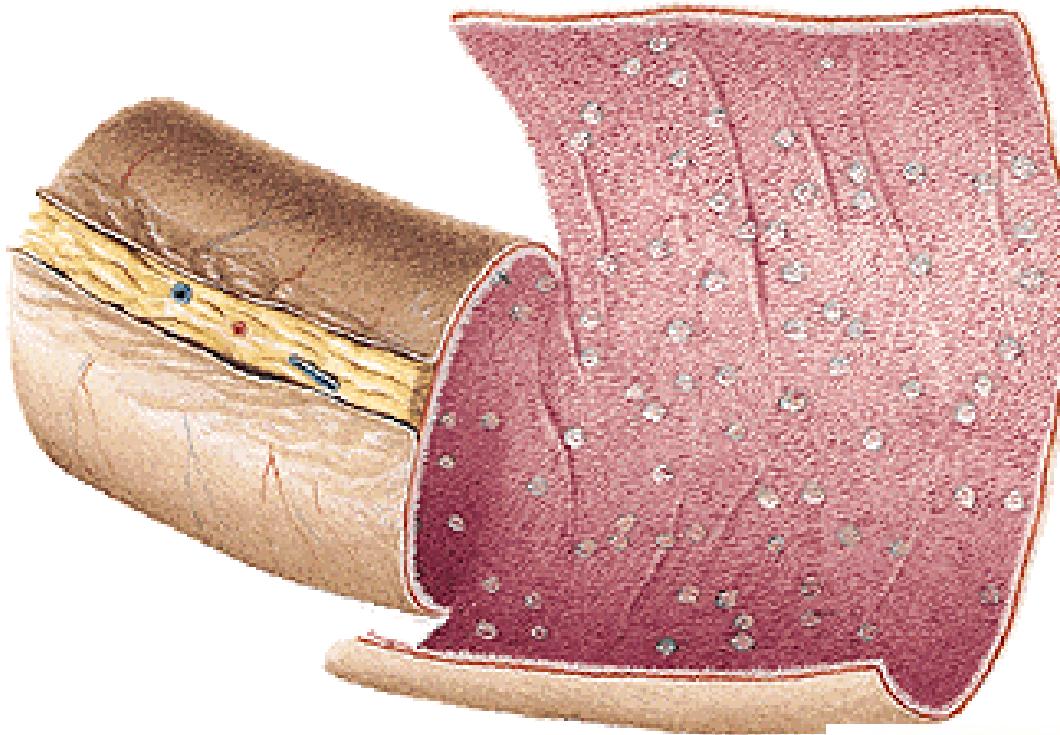
**PLICAE**



**PAPILLAE**

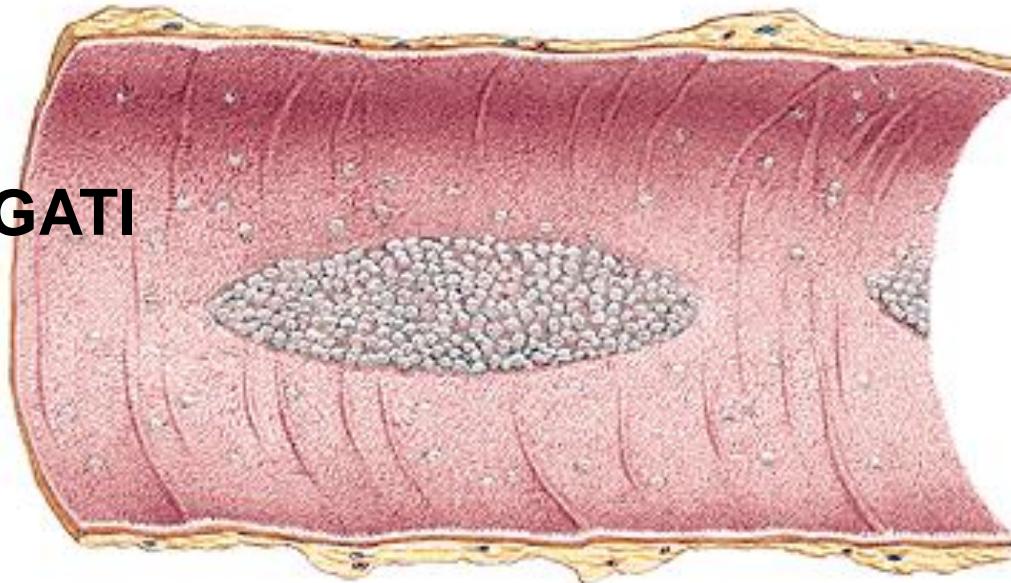


**VILLI INTESTINALES**



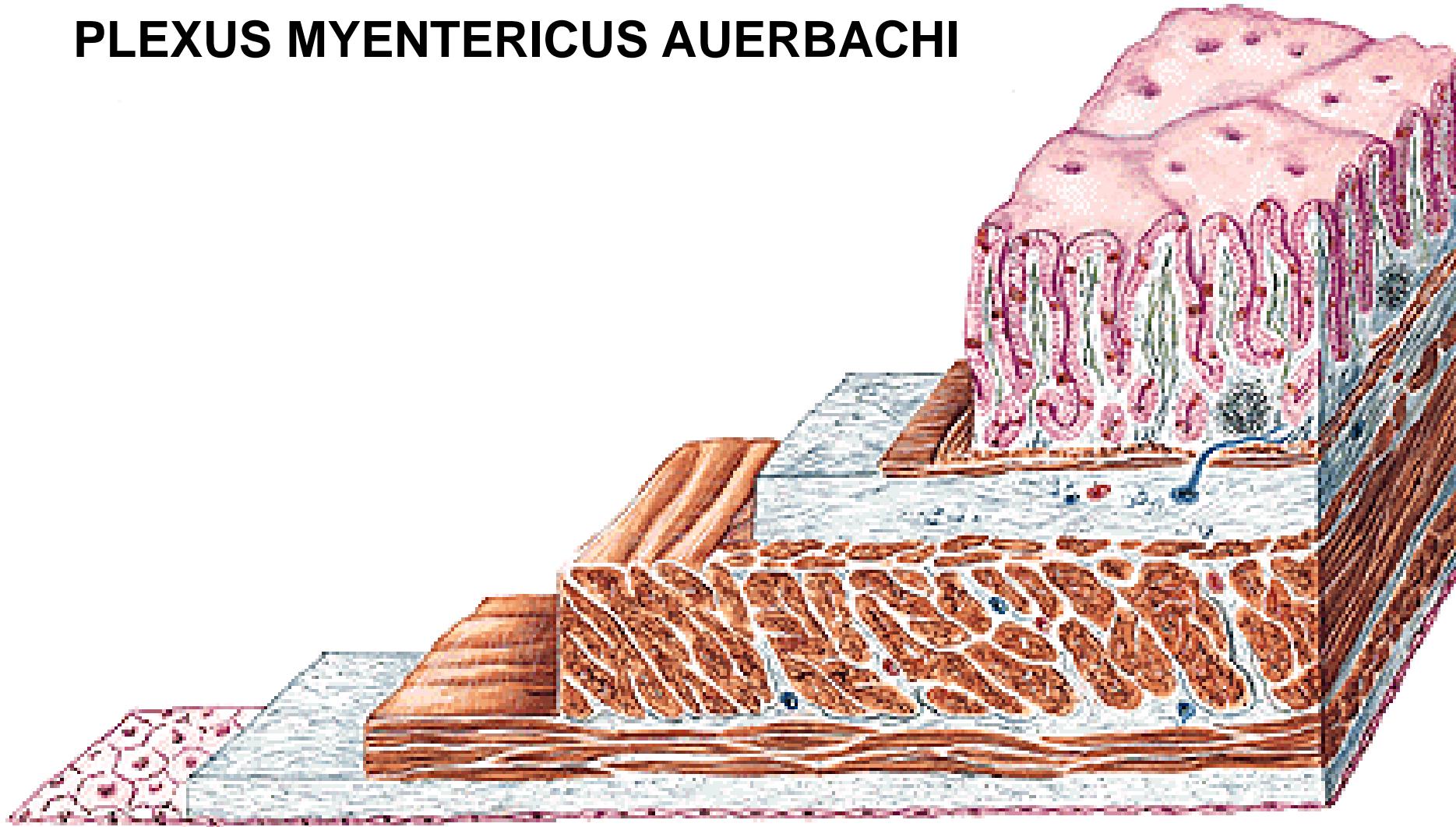
**FOLLICULI  
LYMPHATICI SOLITARI**

**FOLLICULI LYMPH. AGGREGATI  
– PEYER'S PATCHES**



**PLEXUS SUBMUCOSUS MEISSNERI**

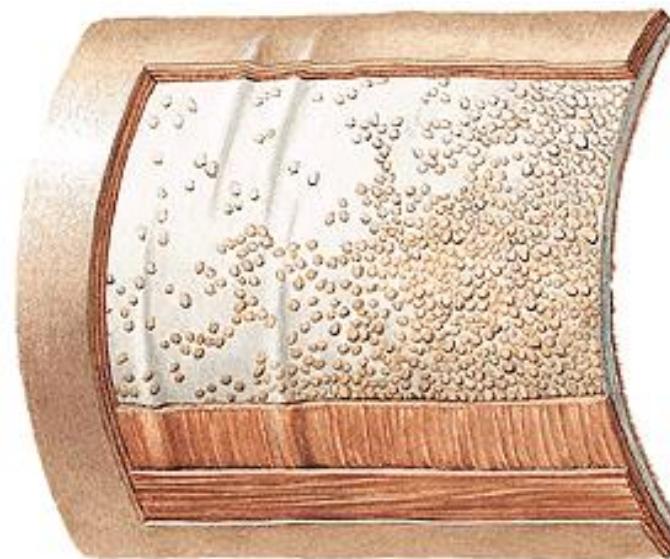
**PLEXUS MYENTERICUS AUERBACHI**



## **GLANDS OF GIT:**

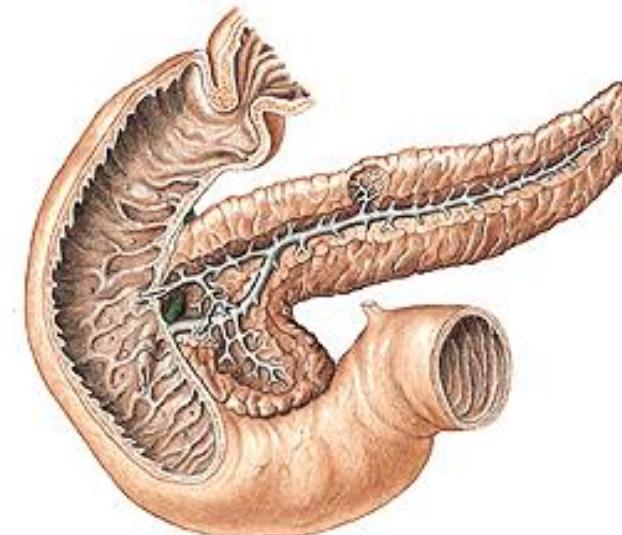
### **Intramural – goblet cells**

- small salivary glands
- glandulae duodenales



### **Extramural – great salivary glands**

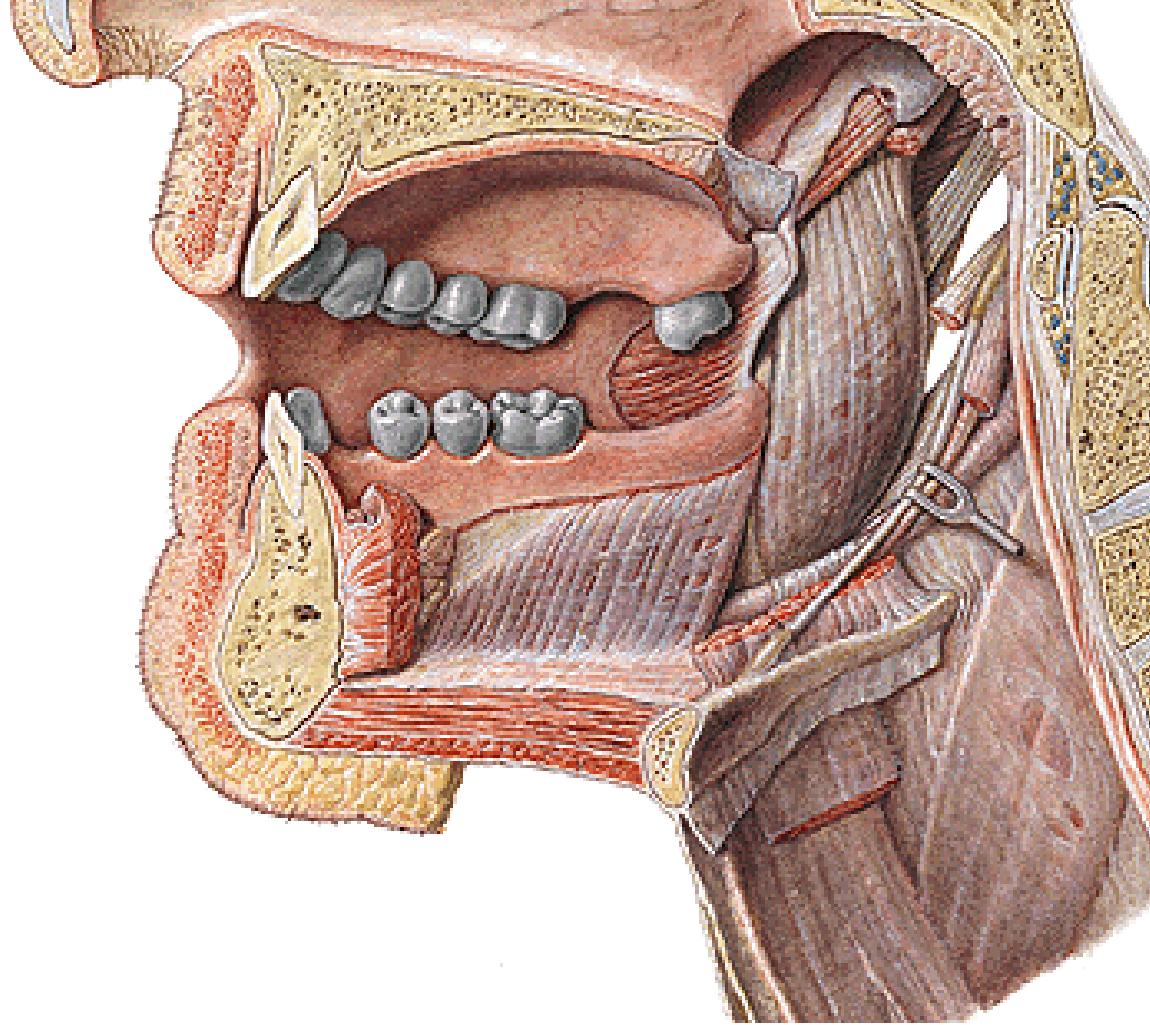
- liver
- pancreas



**CAVUM ORIS  
(CAVITAS ORIS)**

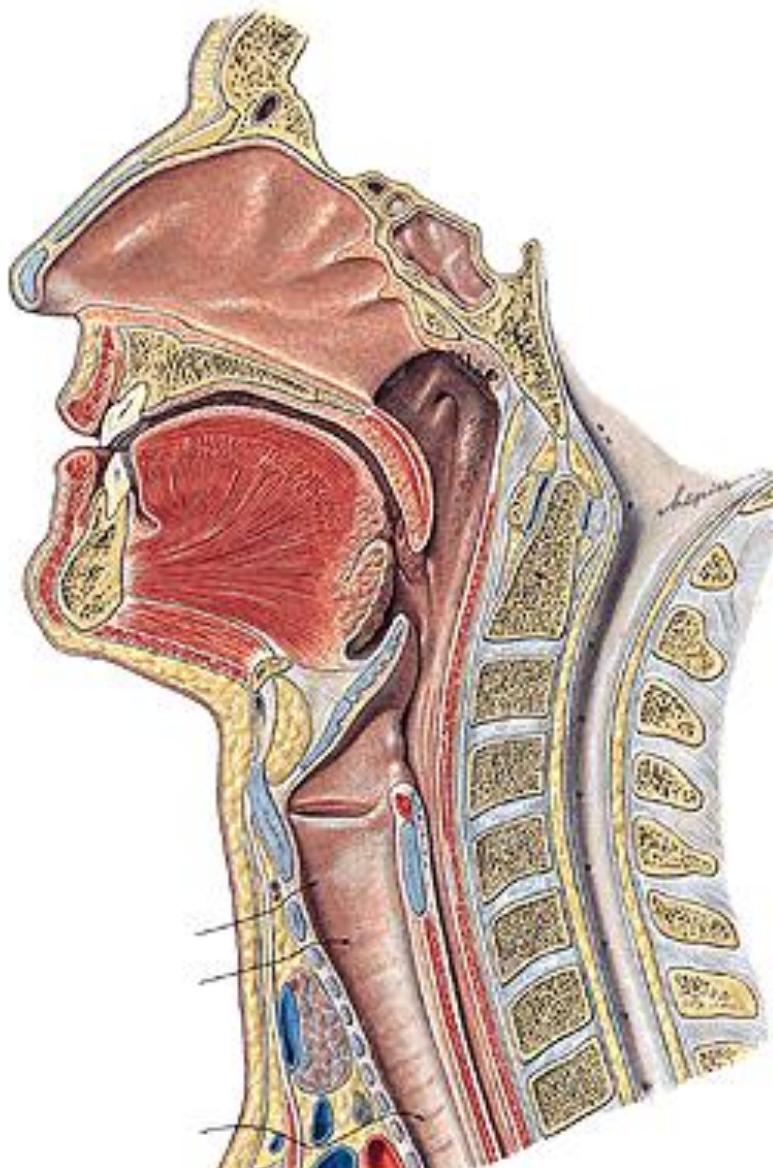
**Rima oris  
Isthmus faucium**





## CAVUM ORIS

- **vestibulum oris**
- **cavum oris proprium**



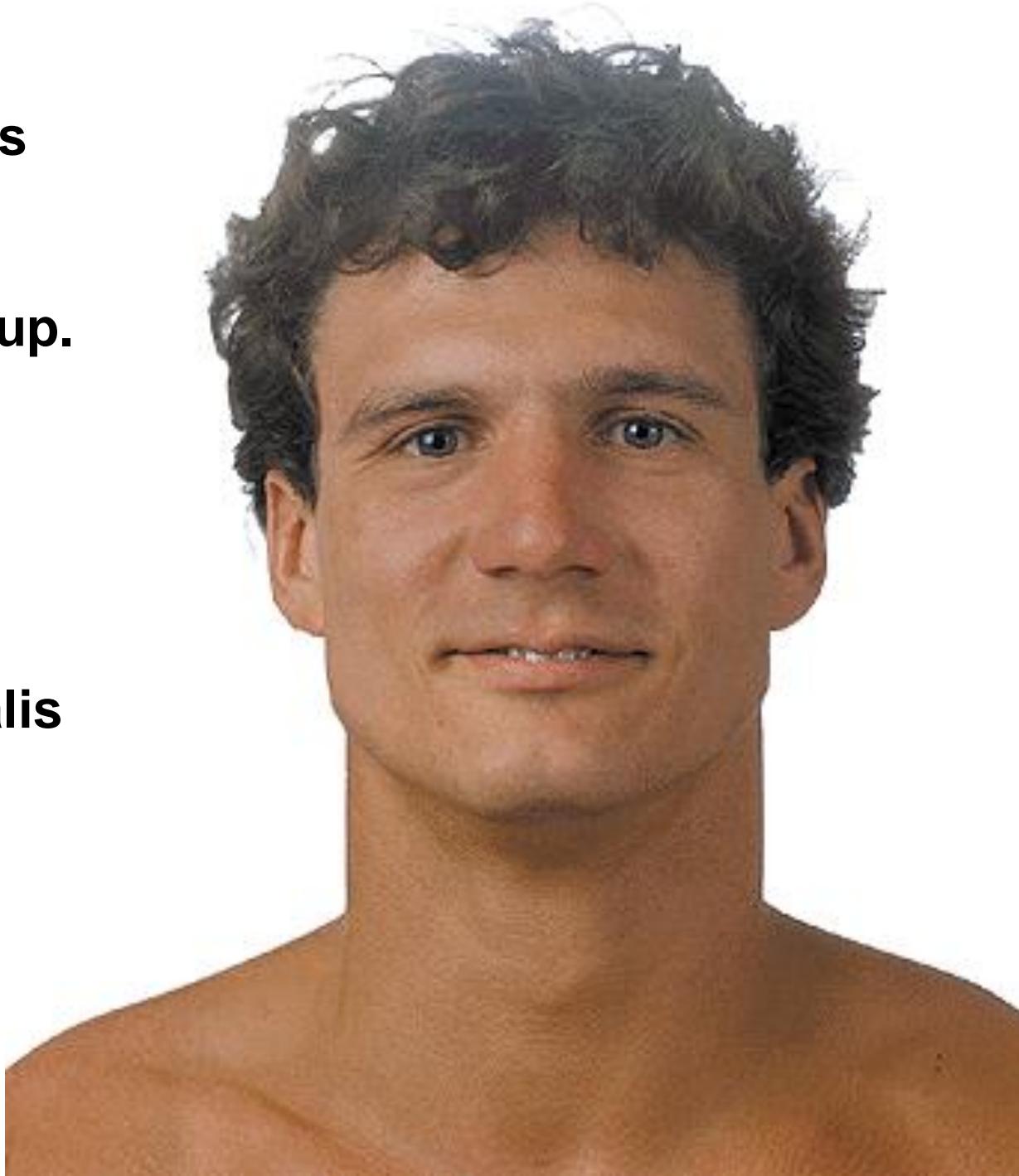
**Labium superius**

- **sulcus nasolabialis**
- **pars intermedia**
- **philtrum**
- **tuberculum labii sup.**
- **cheiloschisis**
- **gnathoschisis**
- **palatoschisis**

**Labium inferius**

- **sulcus mentolabialis**

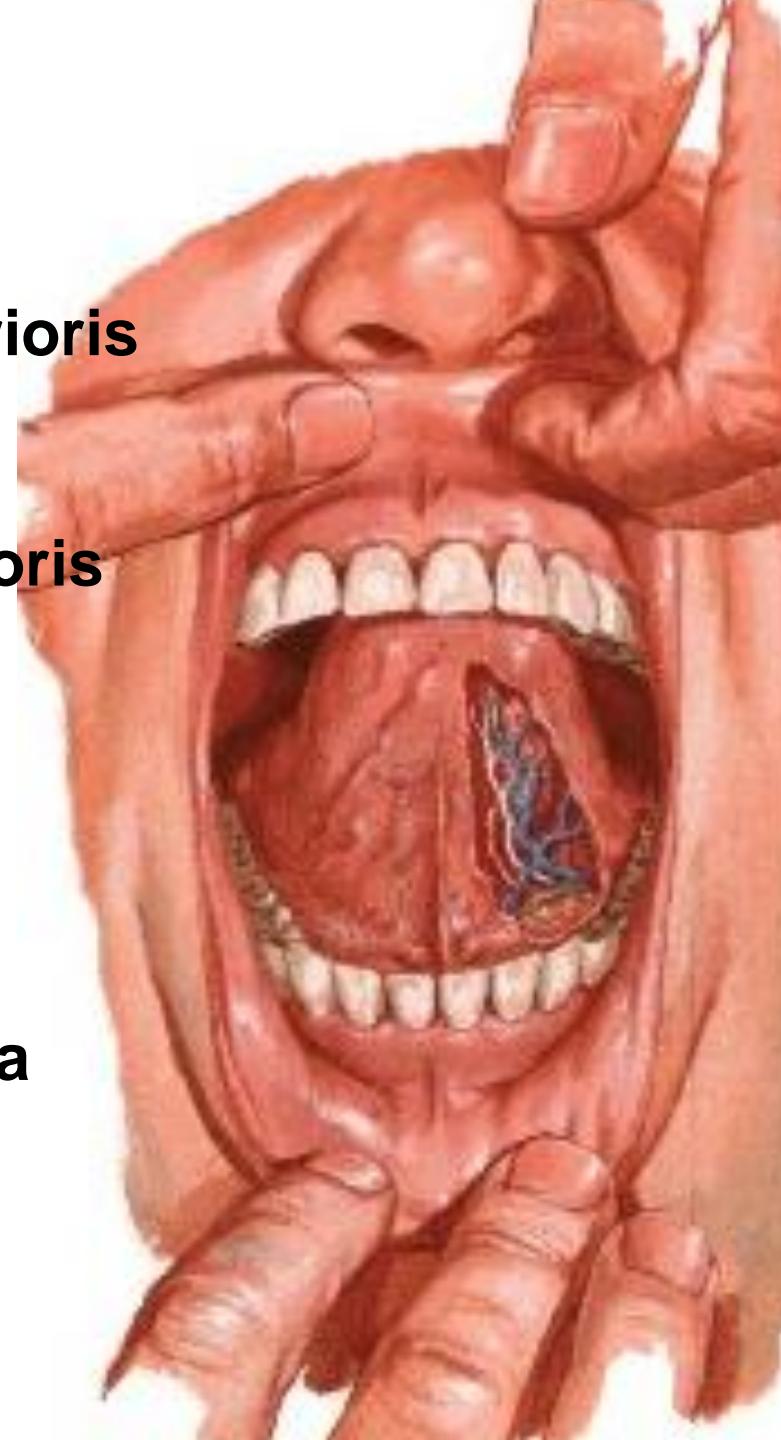
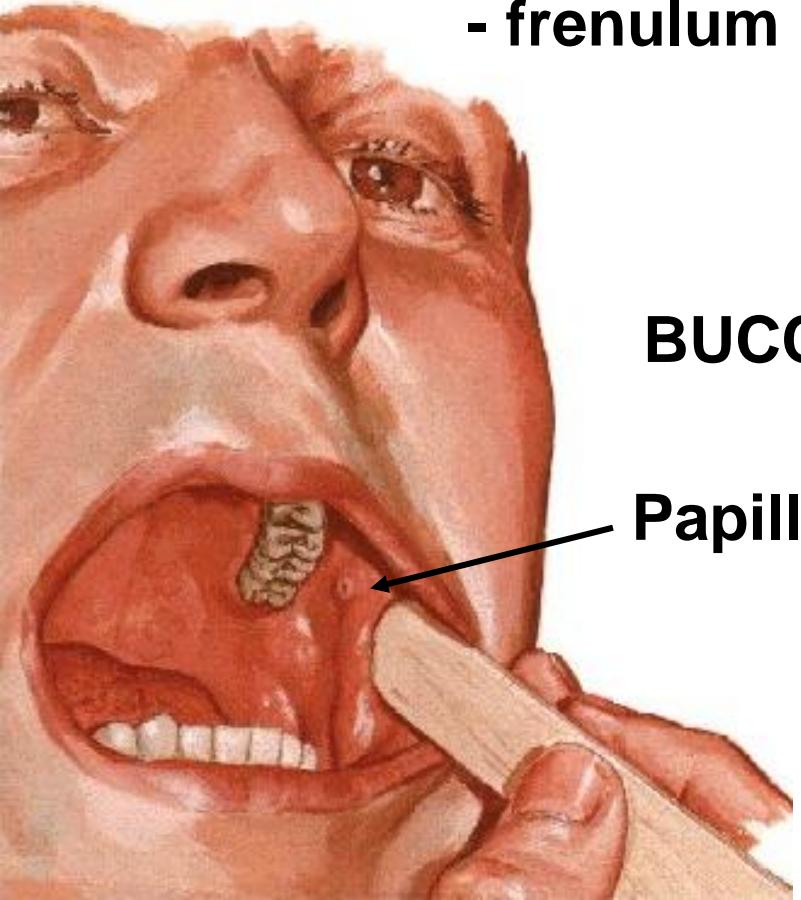
**Anguli oris**



# VESTIBULUM ORIS

**Fornix vestibuli sup.**  
- frenulum labii superioris

**Fornix vestibuli inf.**  
- frenulum labii inferioris

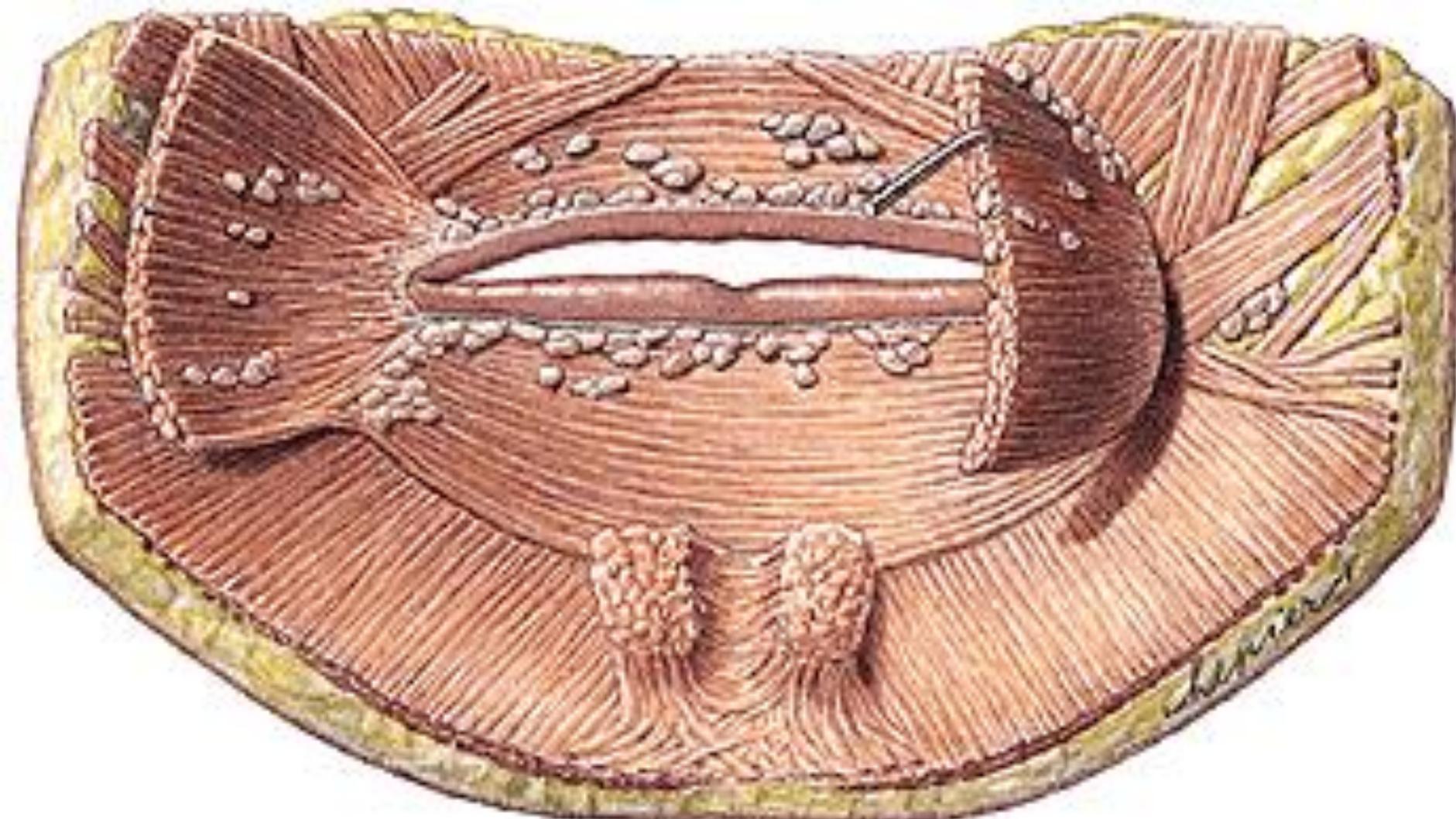


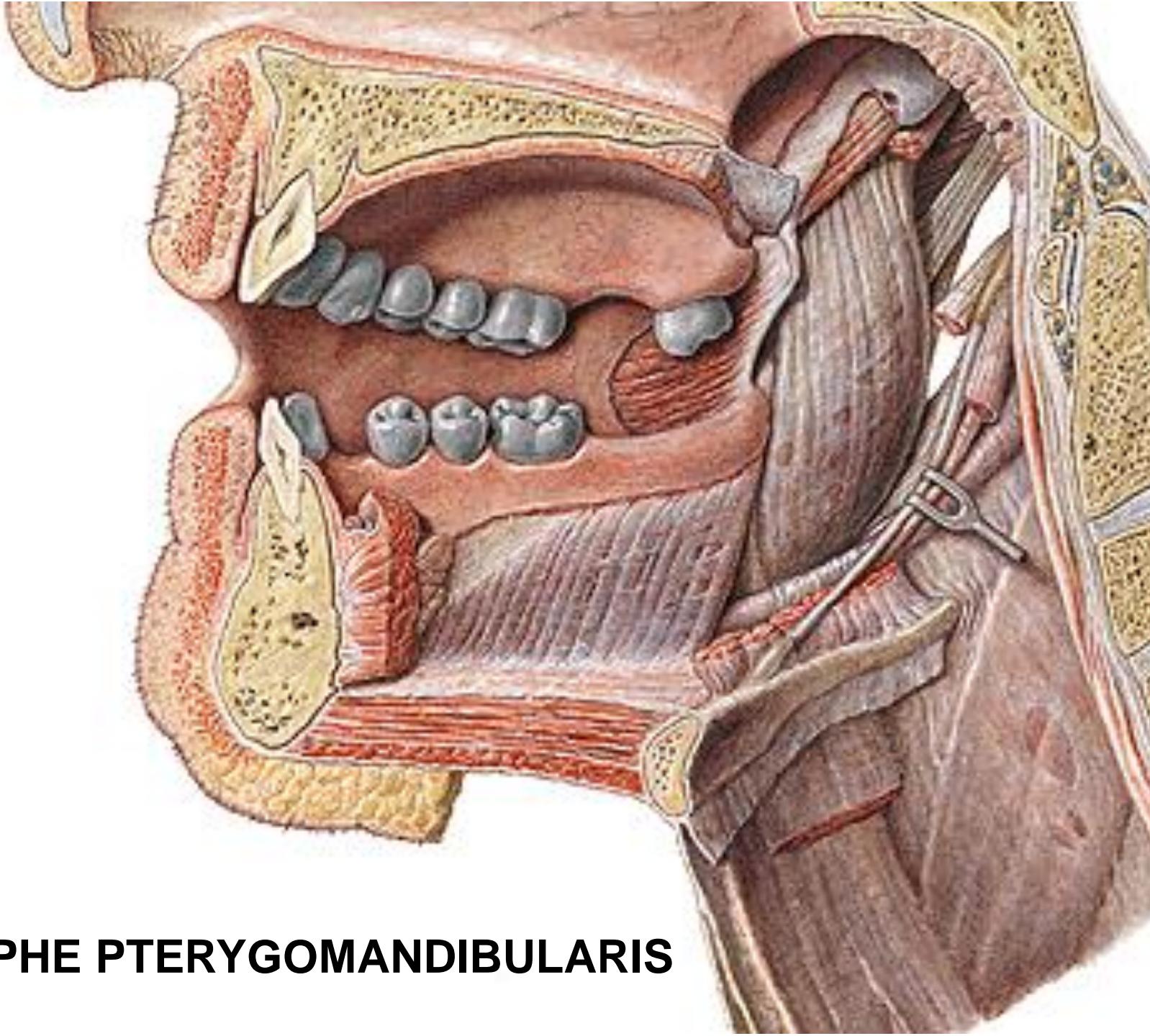
**Glandulae labiales, buccales**

**M. orbicularis oris**

**M. buccinator**

**Corpus adiposum buccae**





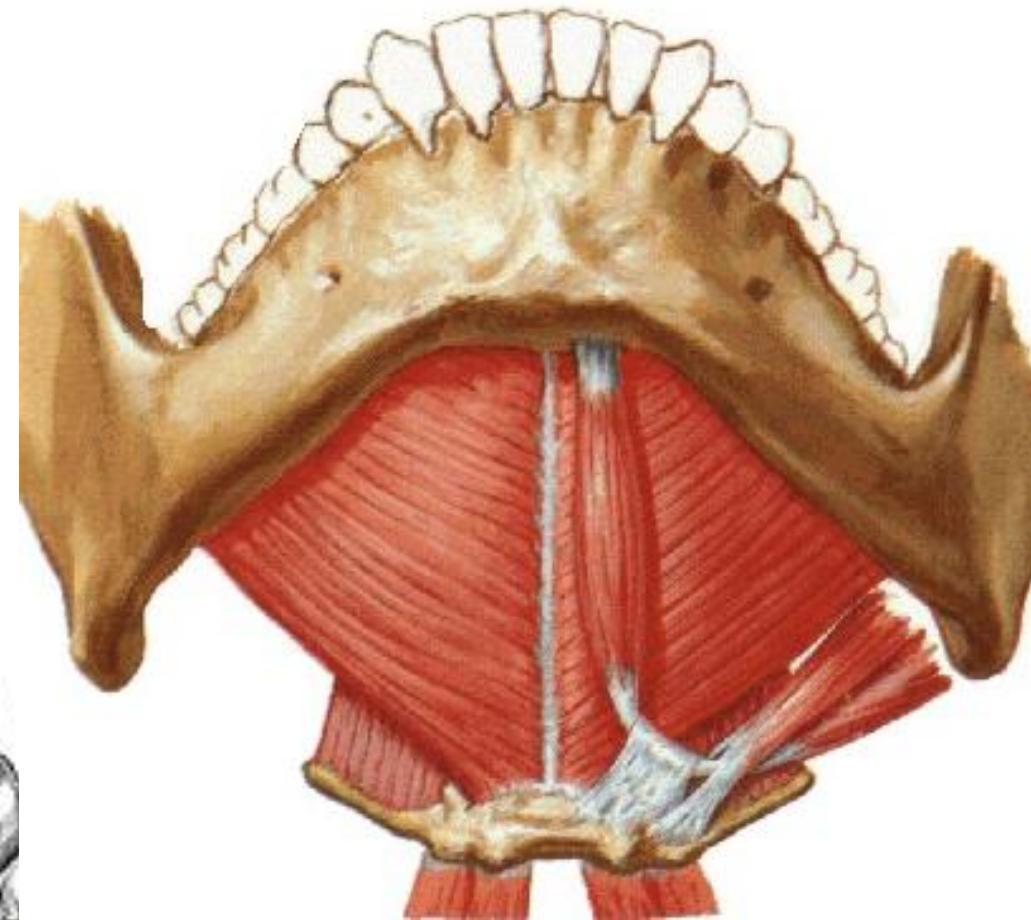
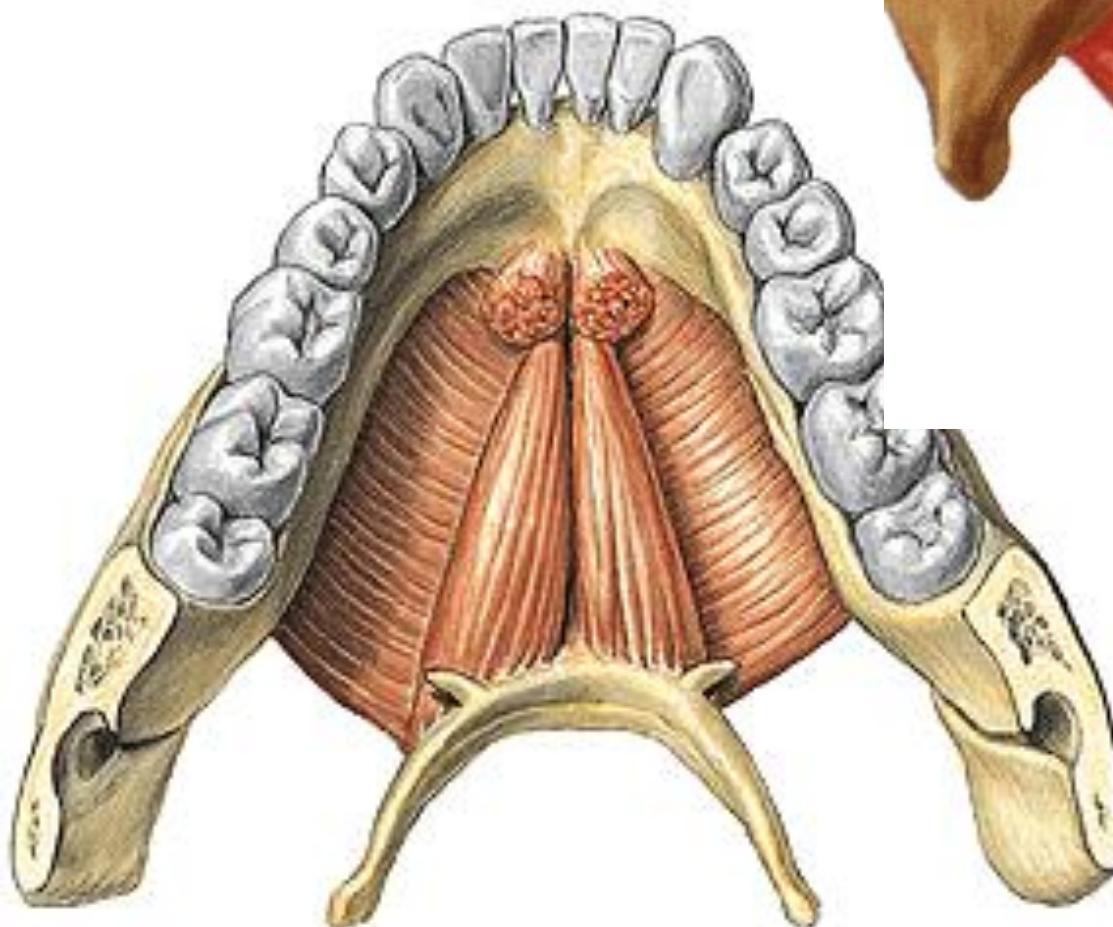
**RAPHE PTERYGOMANDIBULARIS**

## **CAVUM ORIS PROPRIUM**



## DIAPHRAGMA ORIS

- m. mylohyoideus  
(raphe mylohyoidea)
- m. geniohyoideus
- m. digastricus

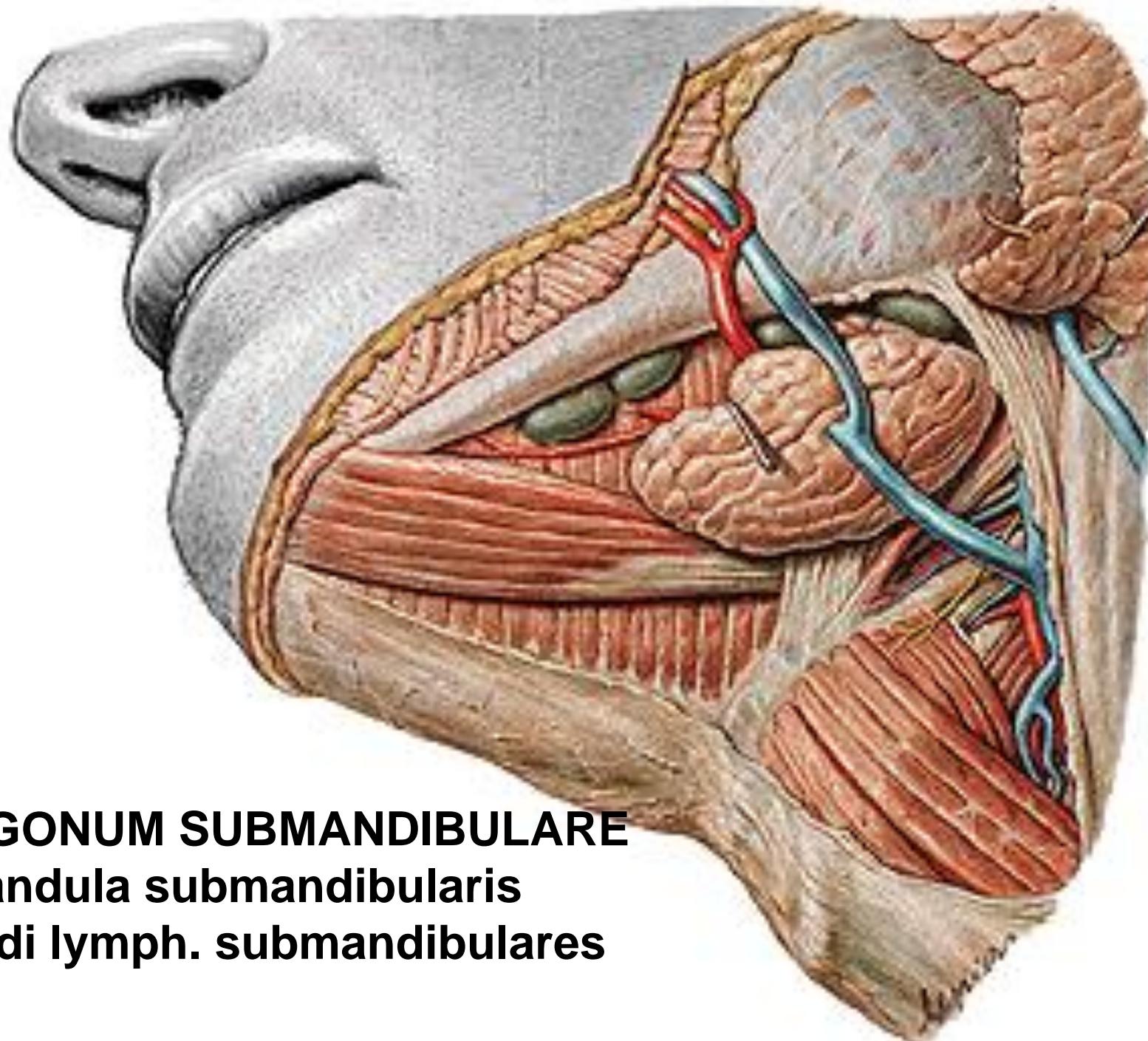


## **GLANDULAE SALIVARIAE MINORES**

**- labiales, buccales, molares, palatinae, linguales**

## **GLANDULAE SALIVARIAE MAJORES**

**- submandibularis  
- sublingualis  
- parotis**



## **TRIGONUM SUBMANDIBULARE**

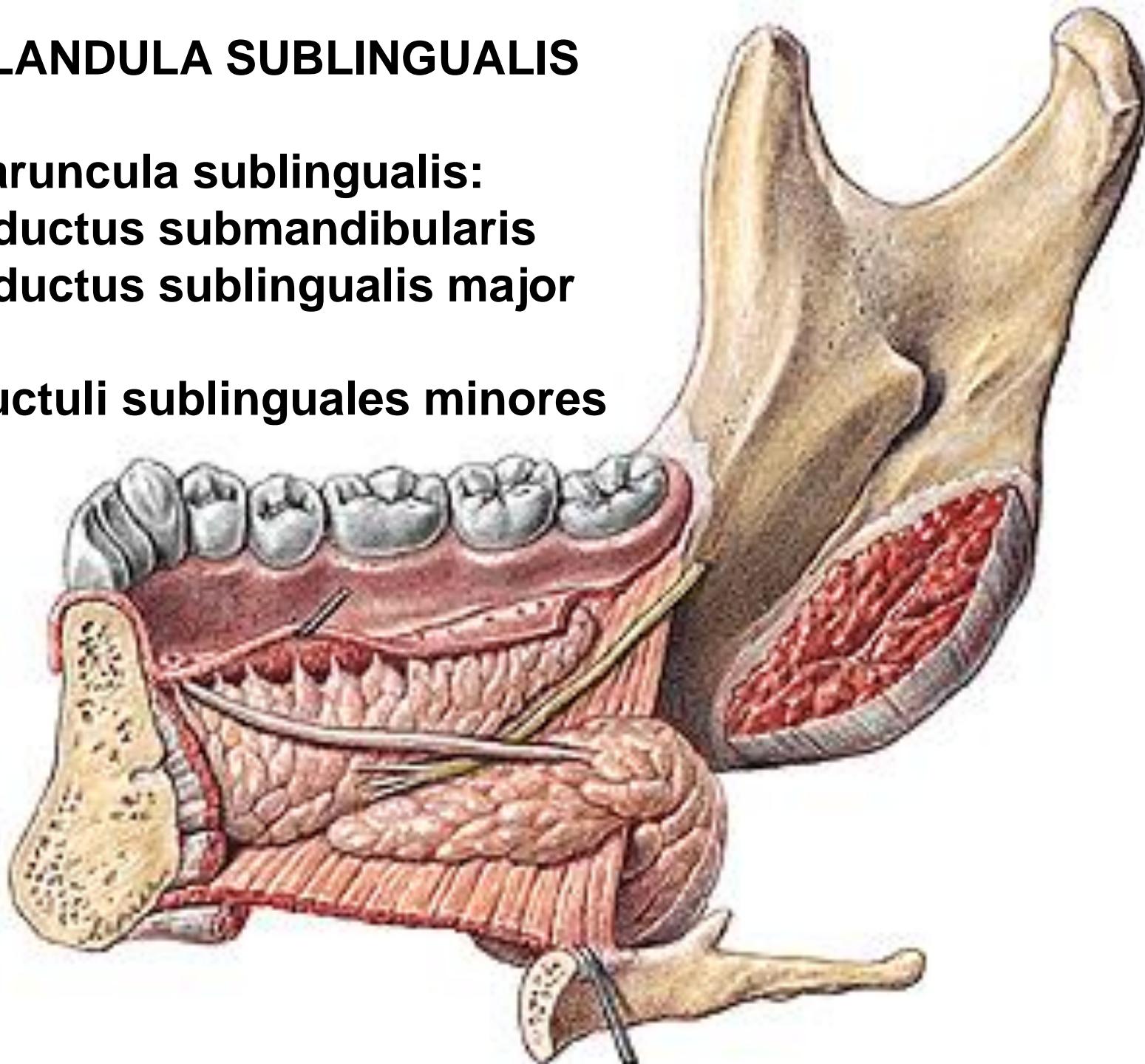
- **glandula submandibularis**
- **nodi lymph. submandibulares**

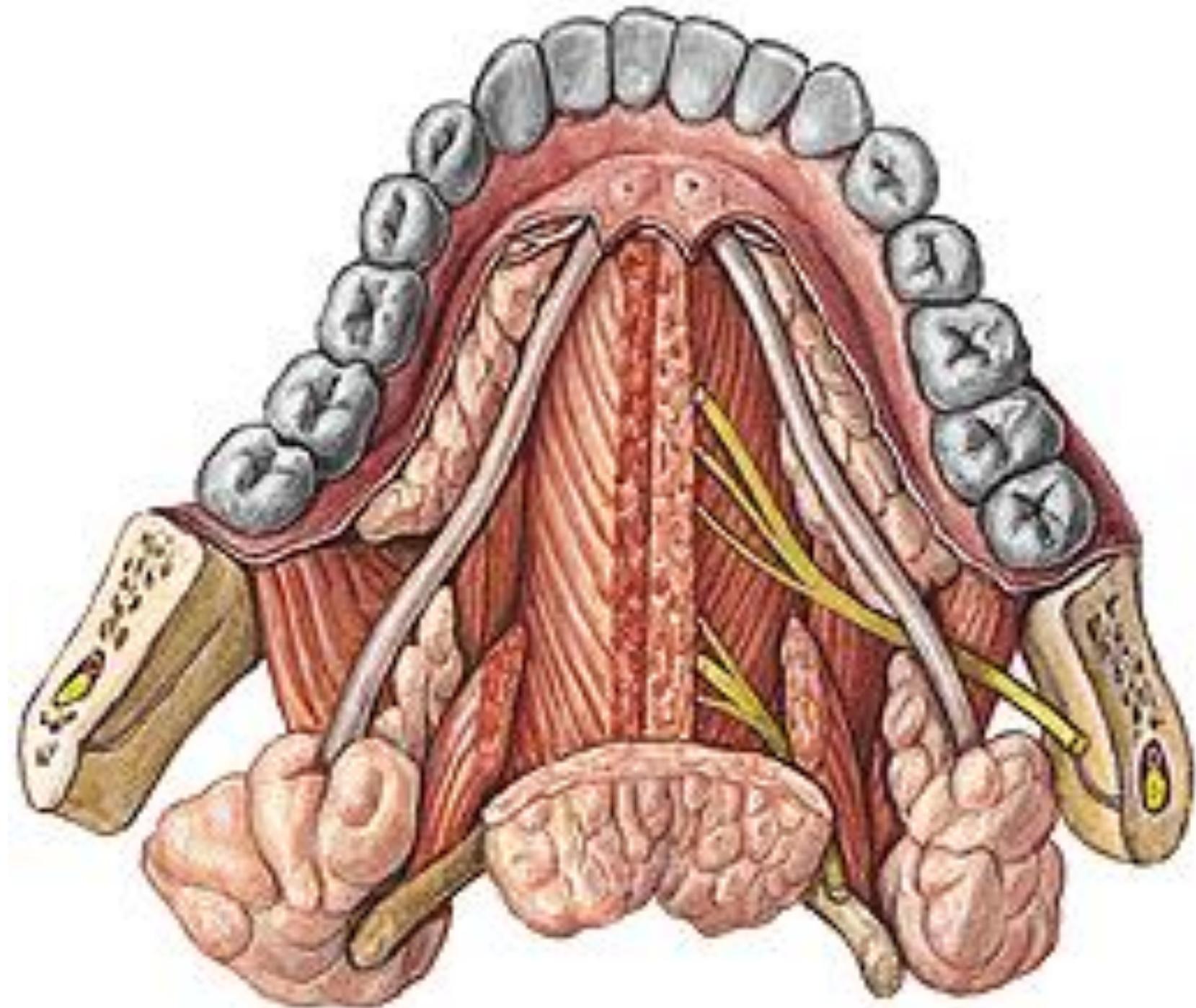
## **GLANDULA SUBLINGUALIS**

**Caruncula sublingualis:**

- **ductus submandibularis**
- **ductus sublingualis major**

**Ductuli sublinguales minores**



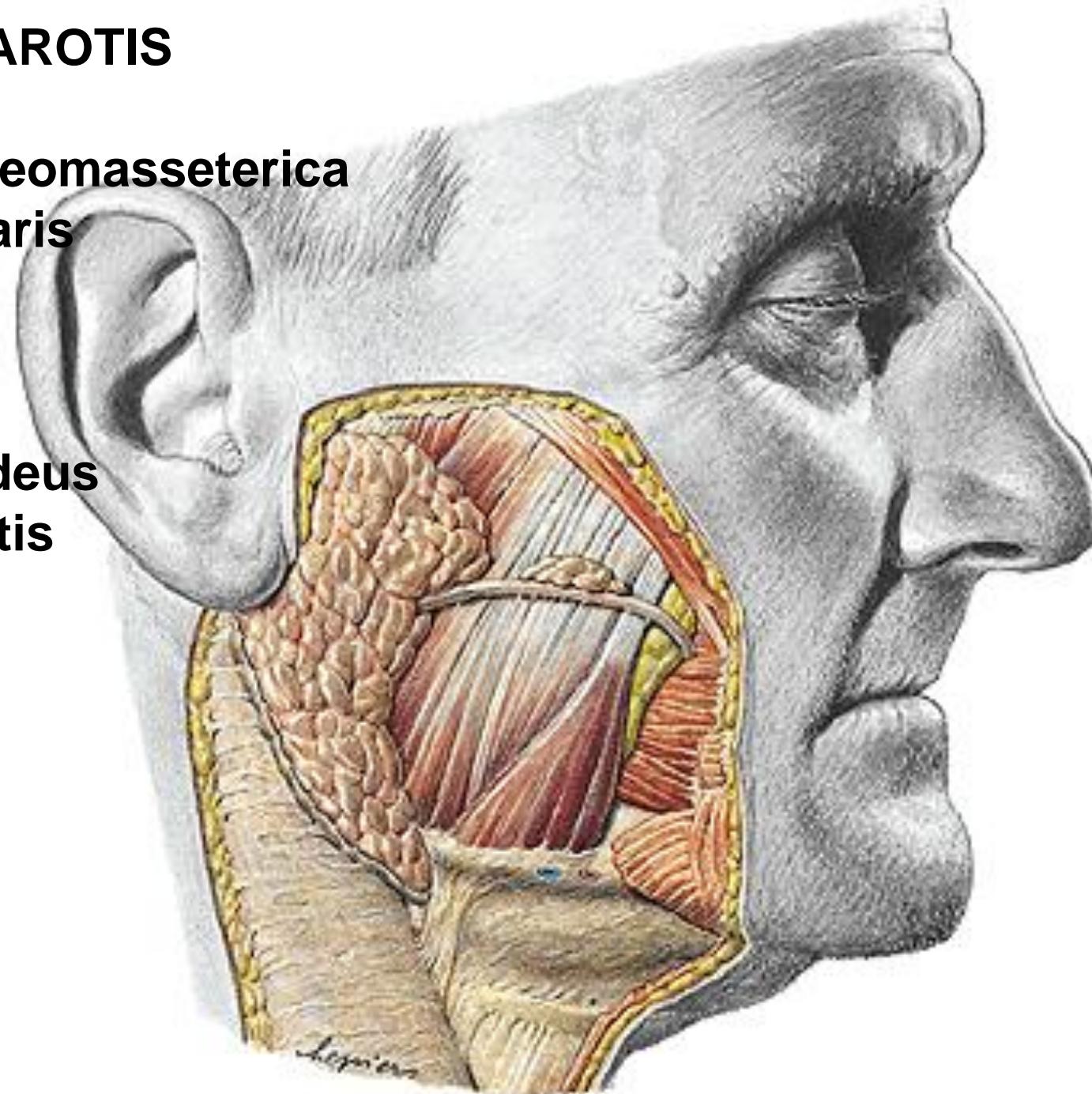




# **GLANDULA PAROTIS**

**Fascia parotideomasseterica  
Tractus angularis**

**Ductus parotideus  
Glandula parotis  
accessoria**



## PAPILLA PAROTIDEA

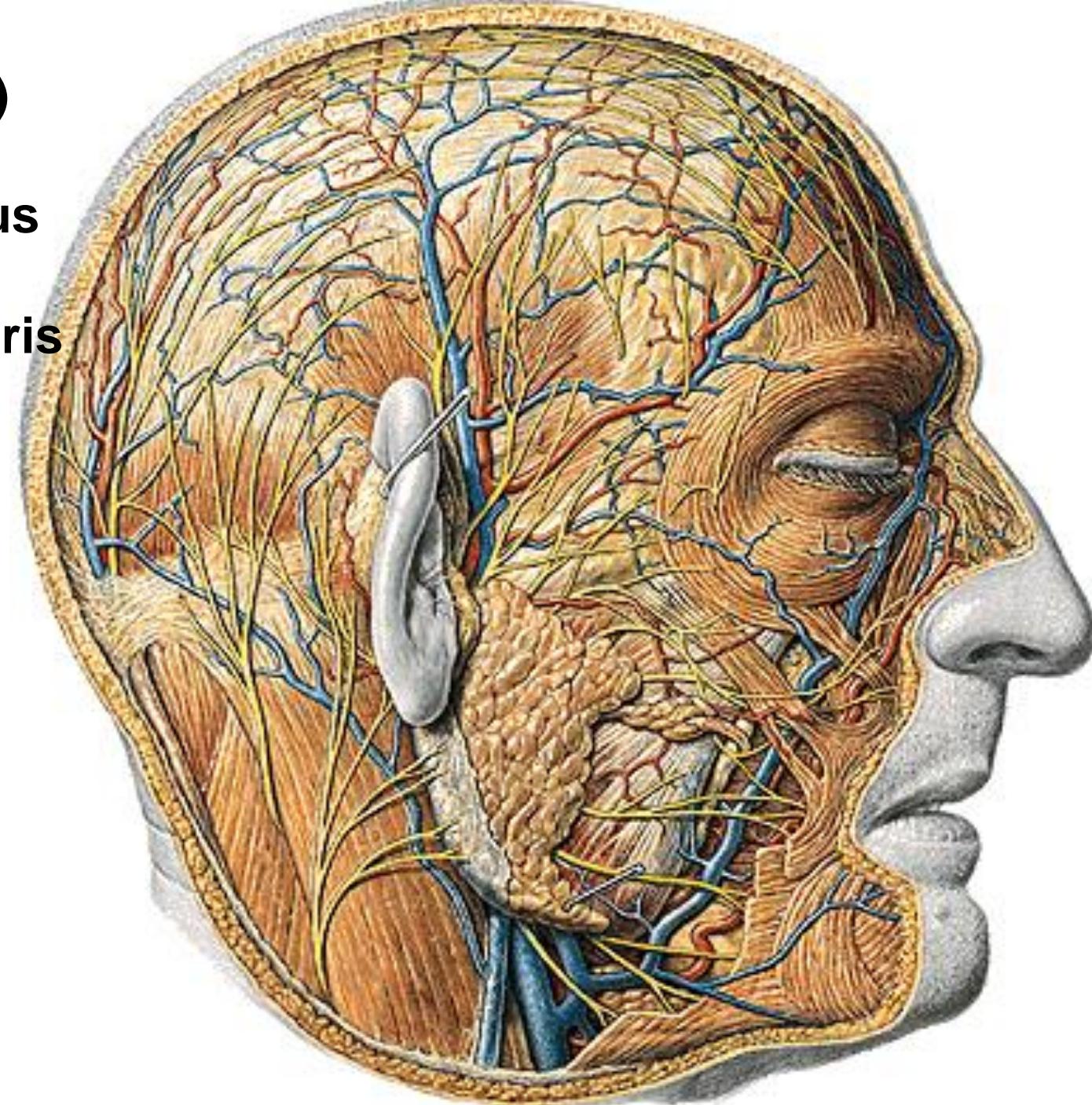


**N. facialis (CN VII)**

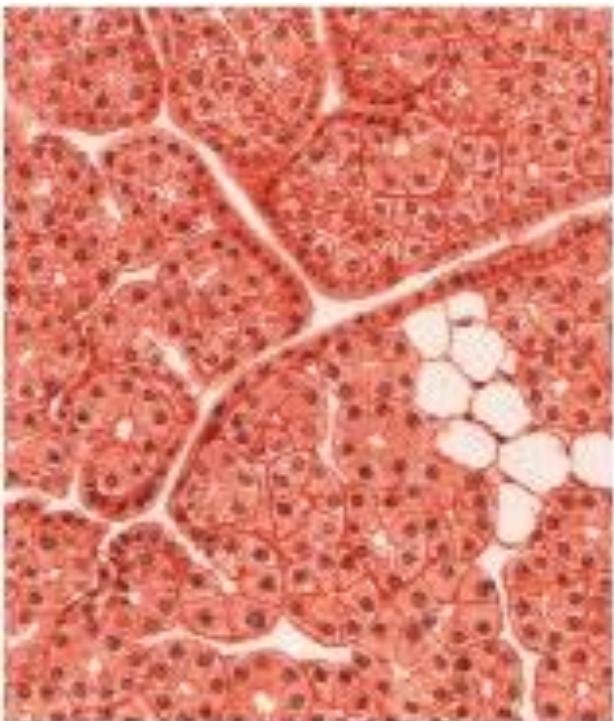
- plexus parotideus

**V. retromandibularis**

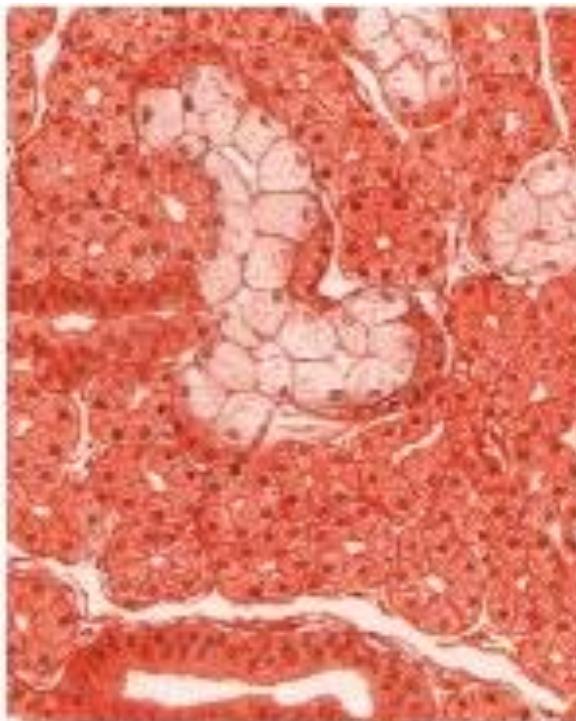
**A. carotis ext.**



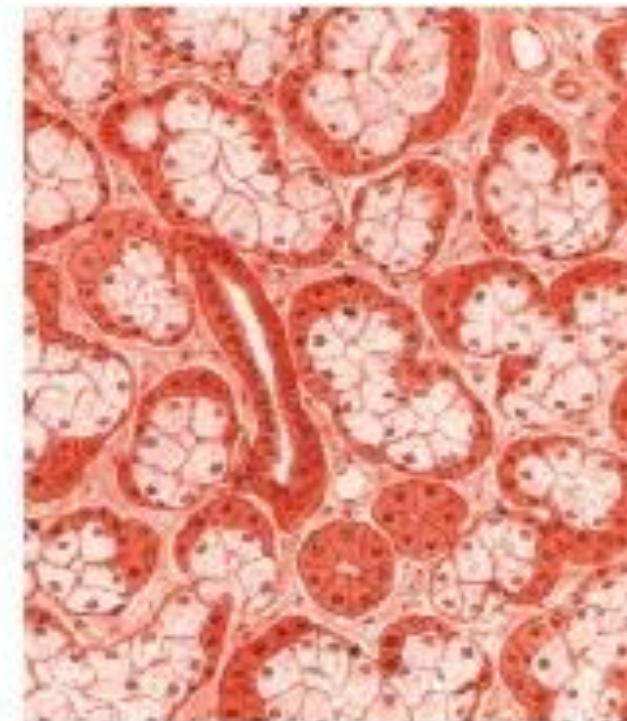
# SALIVARY GLANDS



Parotid gland: totally serous



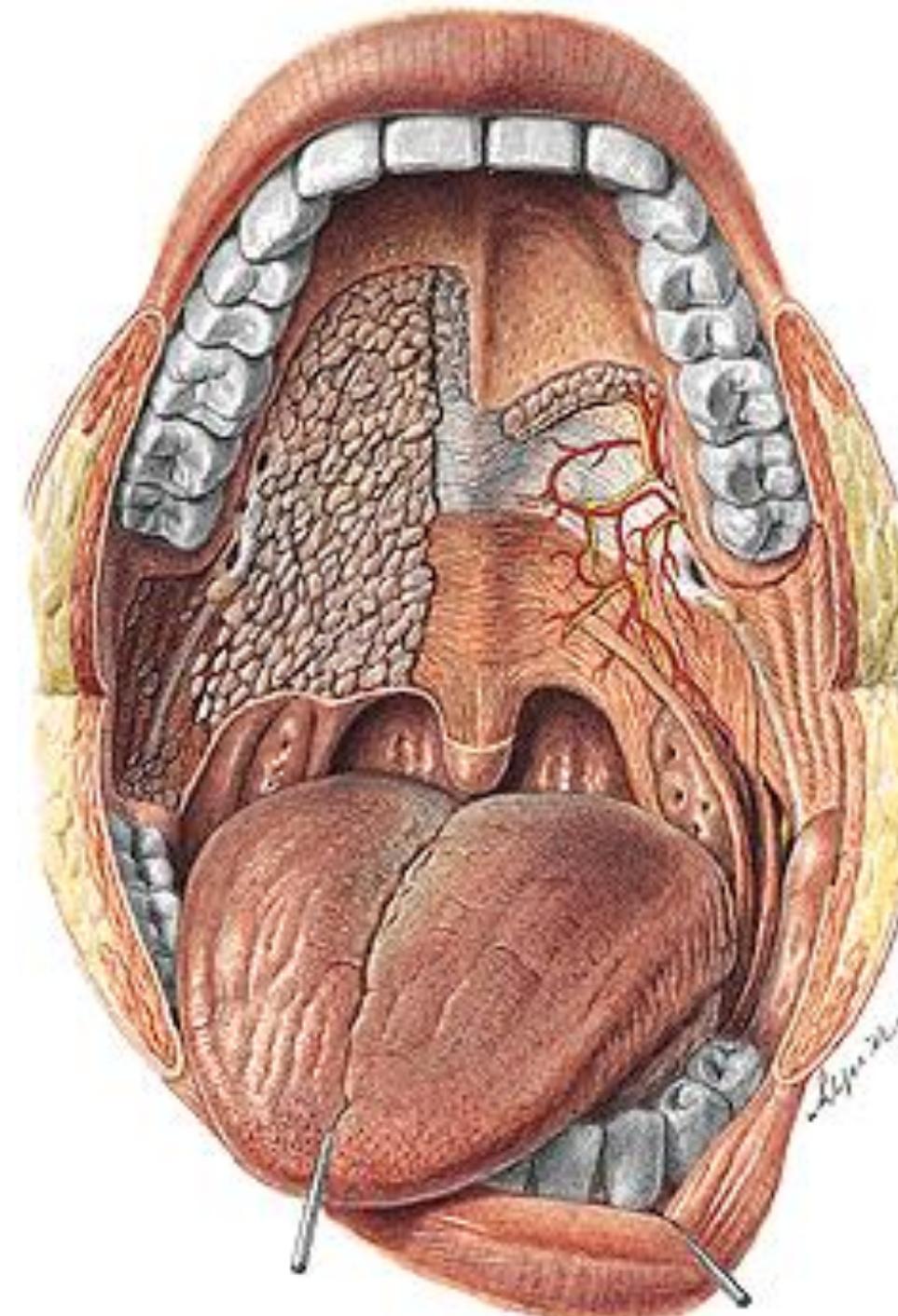
Submandibular gland:  
mostly serous, partially mucous



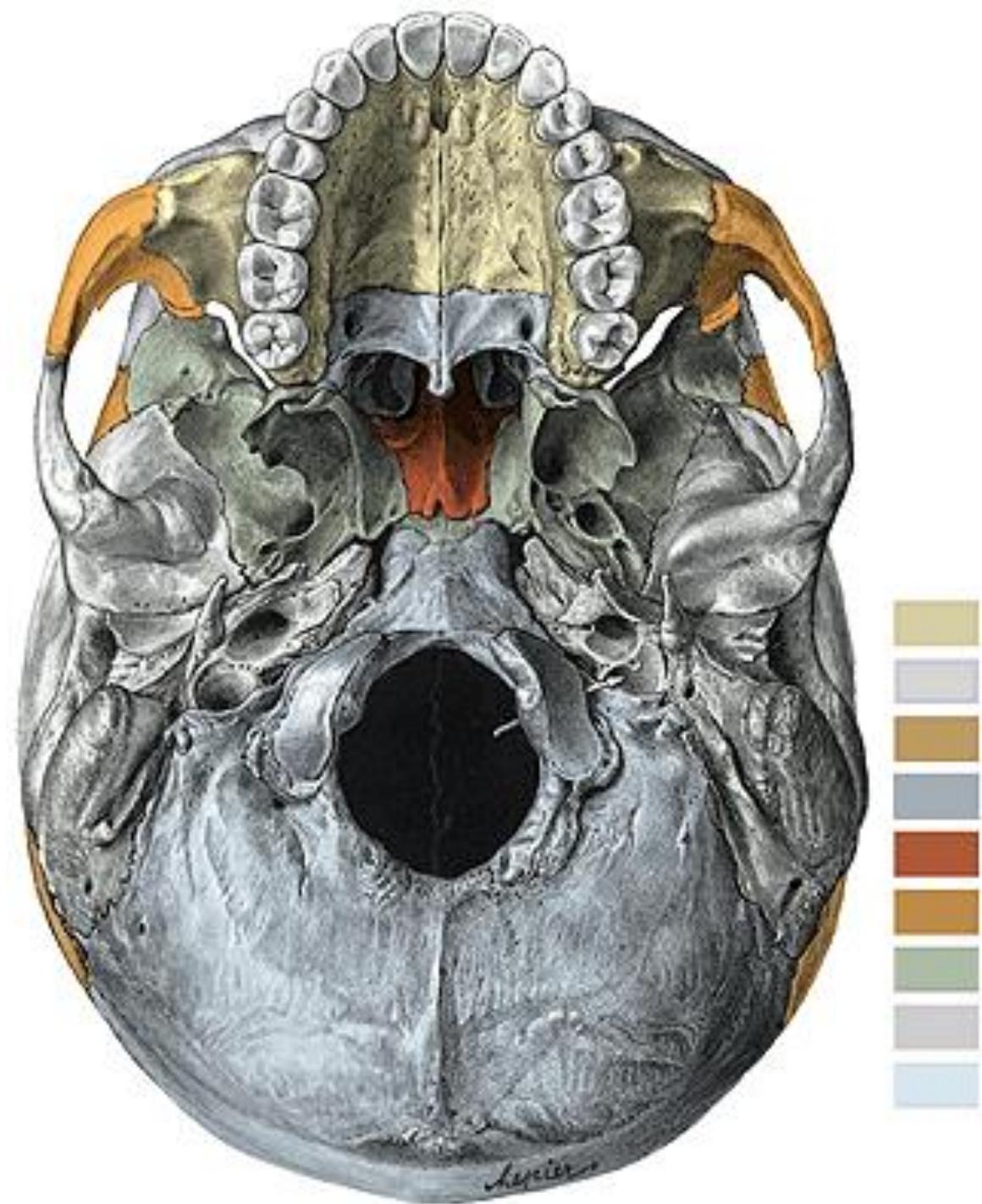
Sublingual gland:  
almost completely mucous

# **PALATUM**

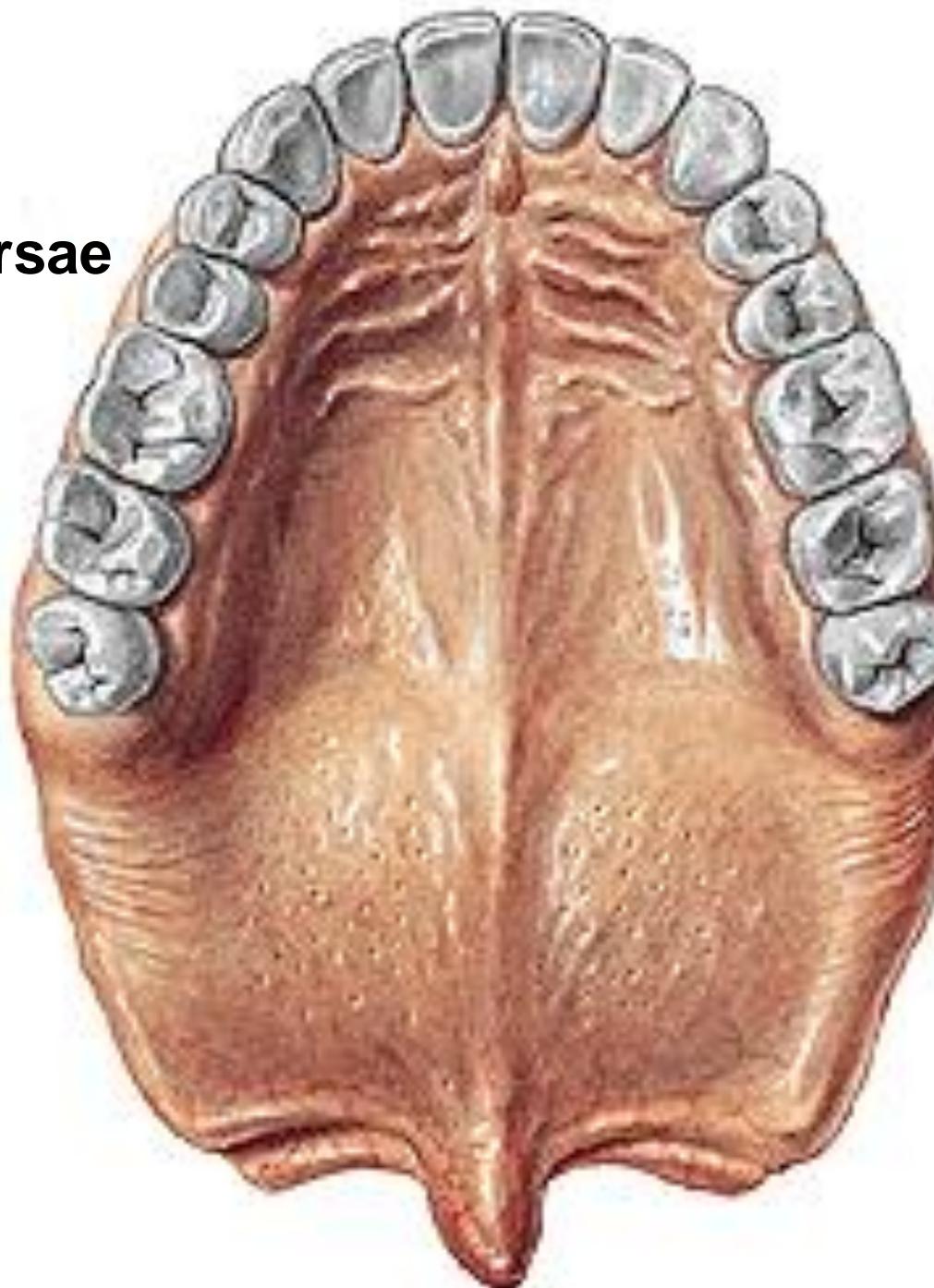
**Glandulae palatinae  
Aa. et vv. palatinae  
majores et minores  
Nn. palatini  
majores et minores  
N. napasopalatinus**



# PALATUM DURUM

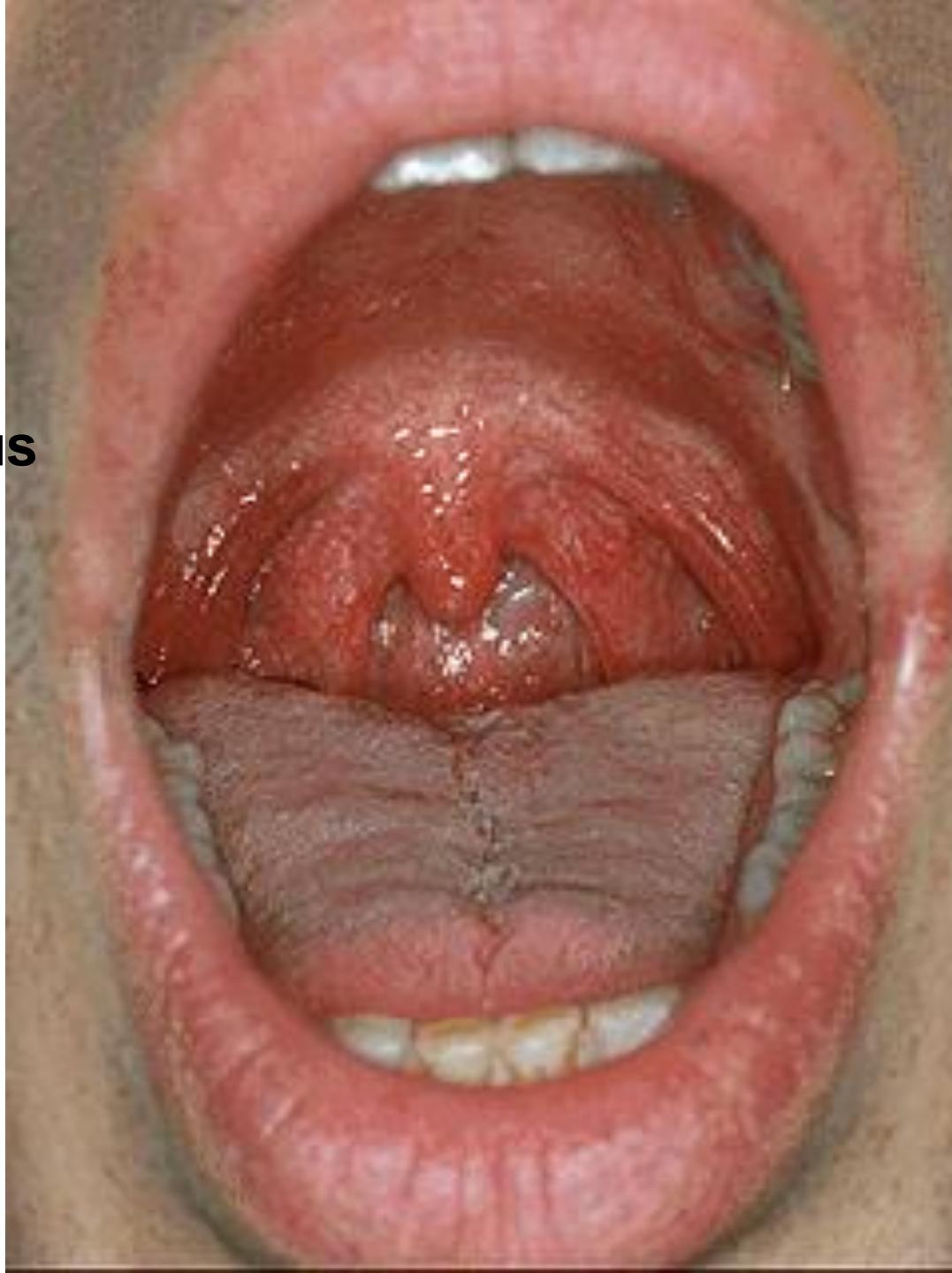


**Raphe palati**  
**Papilla incisiva**  
**Plicae palatinæ transversæ**



## **PALATUM MOLLE (VELUM PALATINUM)**

**Uvula**  
**Arcus palatoglossus**  
**Arcus palatopharyngeus**  
**Isthmus faucium**



## **TONSILLA PALATINA**

**Fossa tonsillaris**

**Plica semilunaris**

**Fossa supratonsillaris**

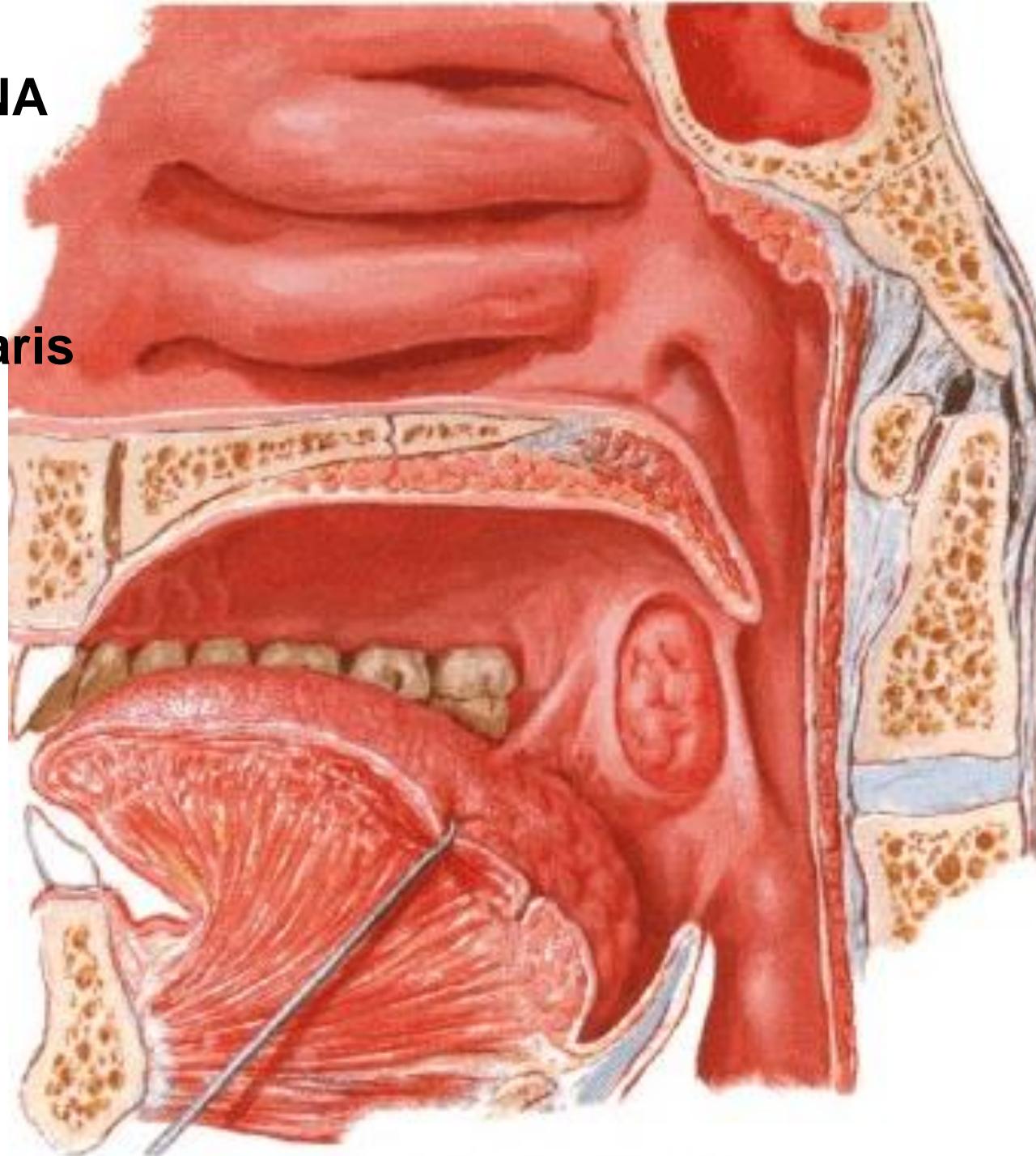
**Plica triangularis**

**Capsula tonsillaris**

**Paratonsillar vein**

**Cryptae tonsillares**

**Tonsillar pegs**



**M. levator veli palatini**

**M. tensor veli palatini**

**M. uvulae**

**M. palatopharyngeus**

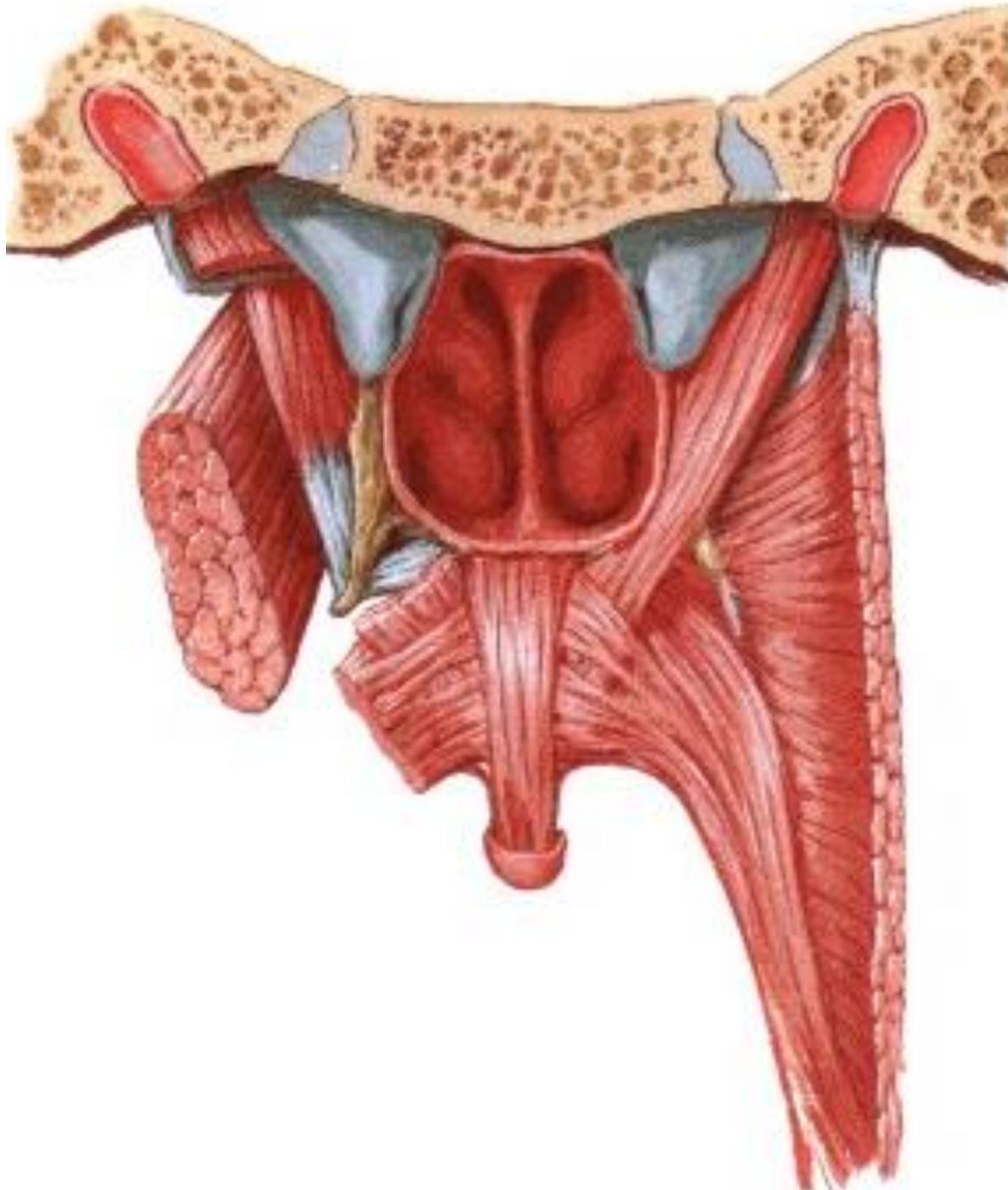
**M. palatoglossus**

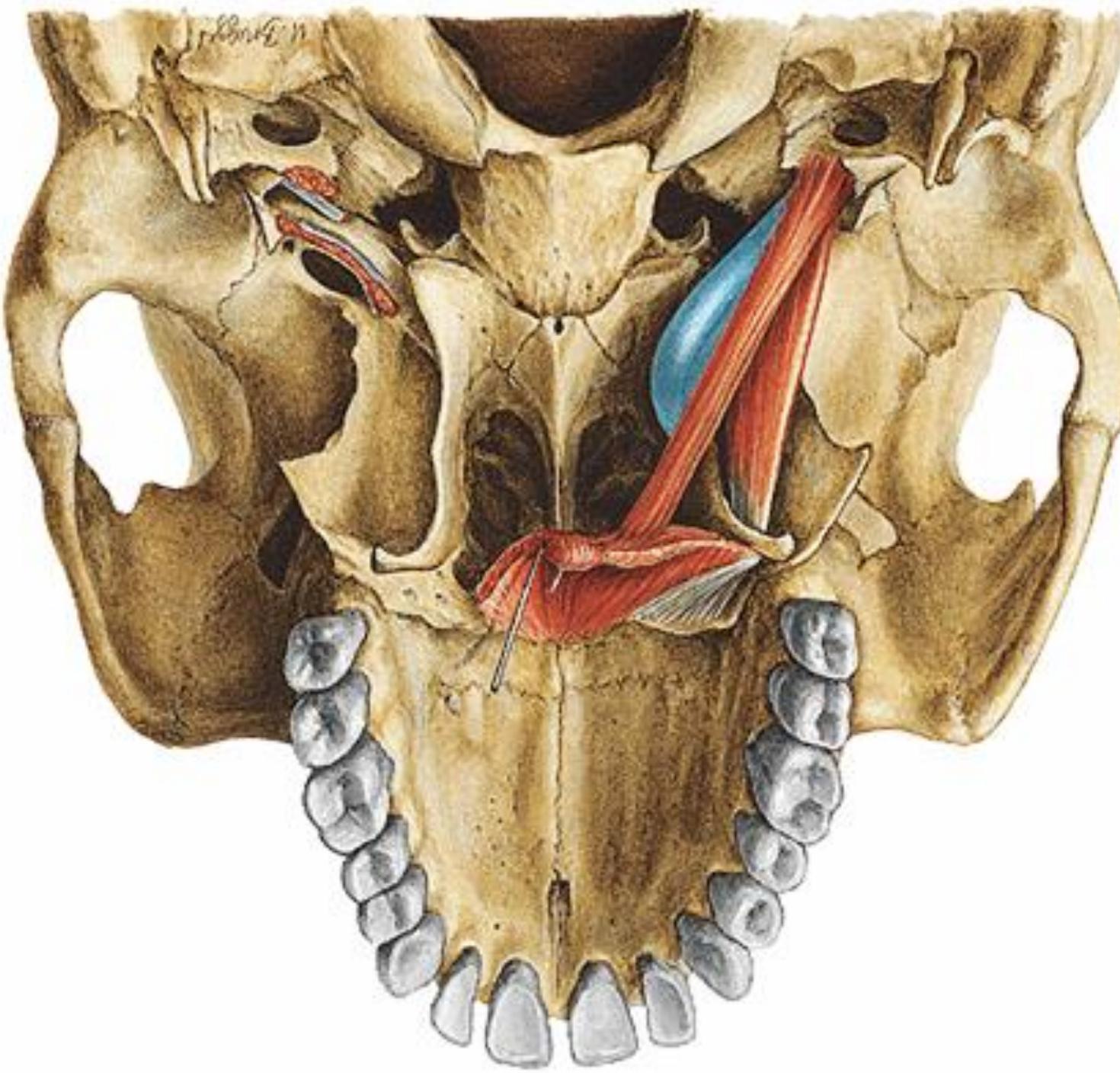
**Aponeurosis palatina**

**Plexus pharyngeus**

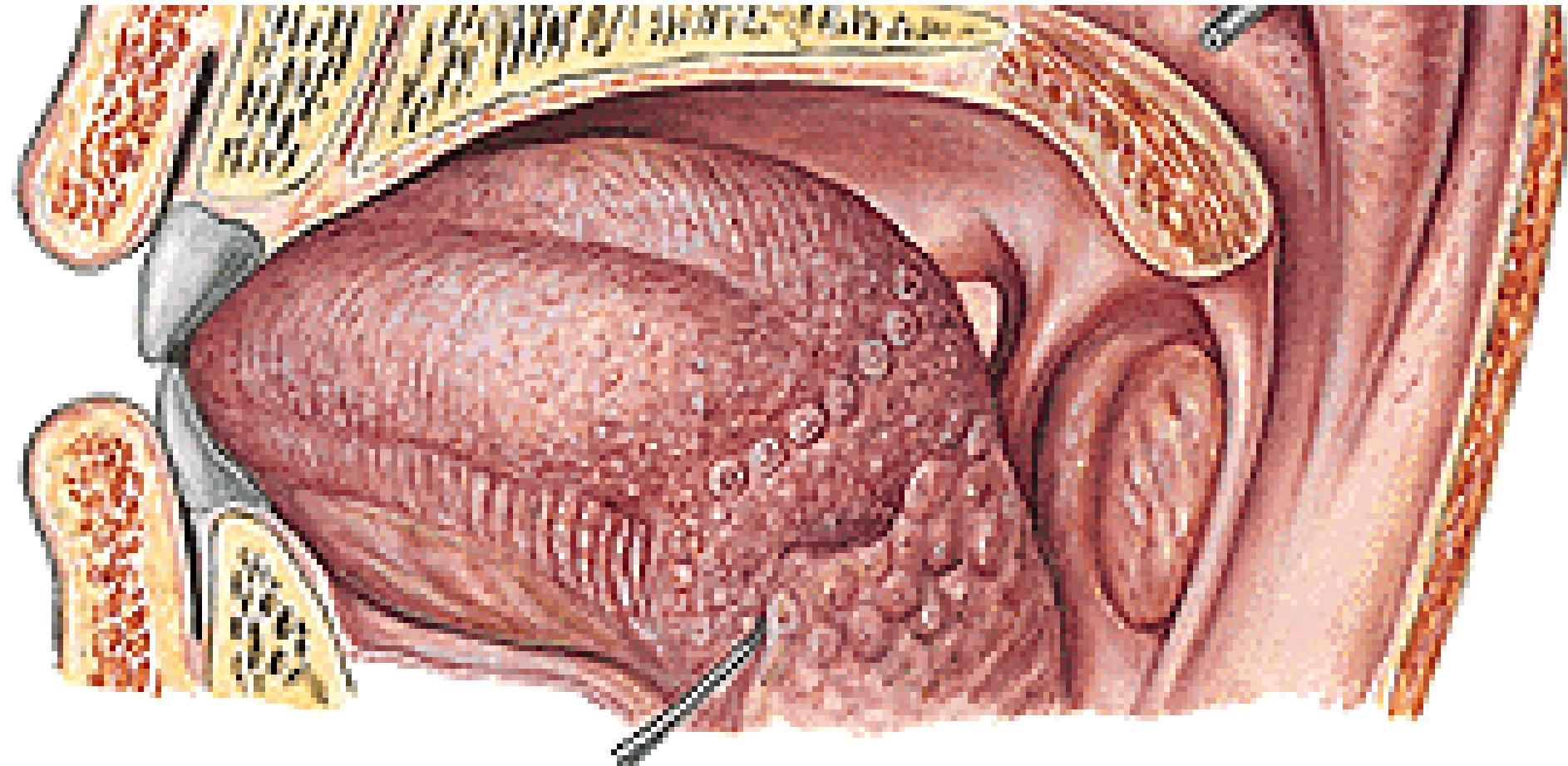
**– CN IX, X**

**Tensor – CN V**





# LINGUA – APEX, CORPUS, RADIX



## DORSUM LINGuae

**Sulcus terminalis**

**Sulcus medianus**

**Foramen caecum**

**Ductus thyroglossus**

**Margines linguae**

**Papillae filiformes**

**Papillae fungiformes**

**Papillae foliatae**

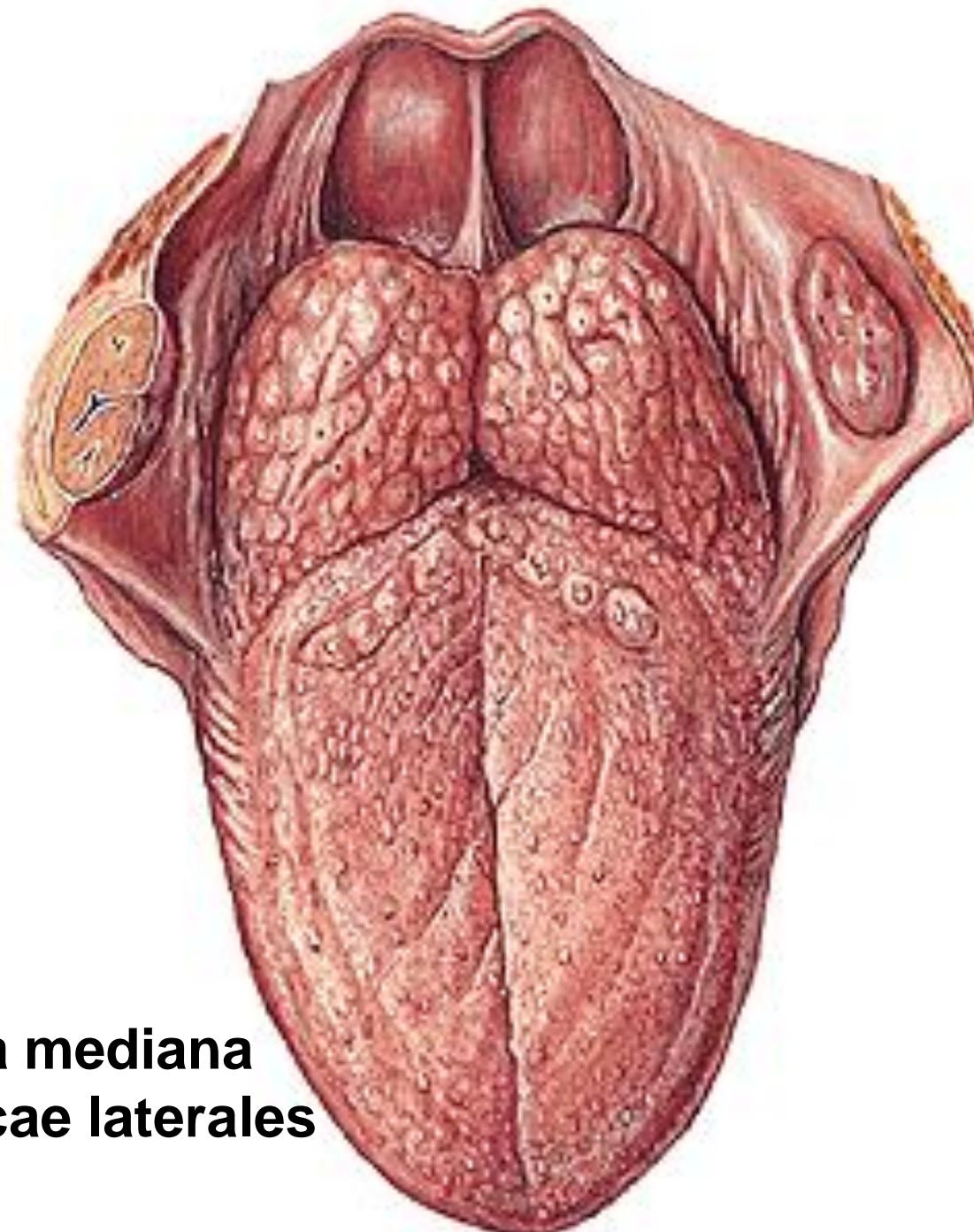
**Papillae vallatae**

**Tonsilla lingualis**

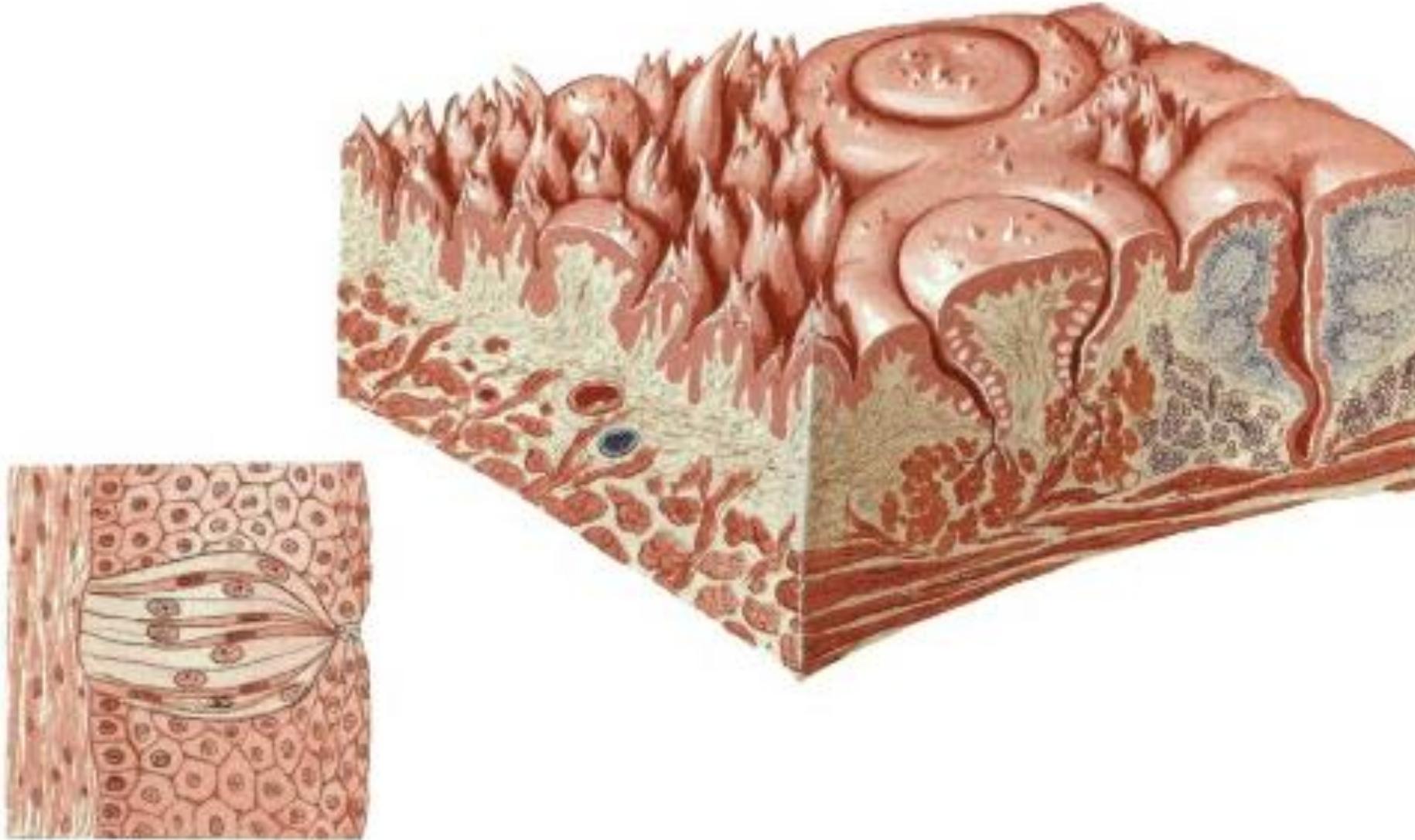
**Plica glossoepiglottica mediana**

**Plicae glossoepiglotticae laterales**

**Valleculae epiglotticae**



# **Caliculi gustatorii**



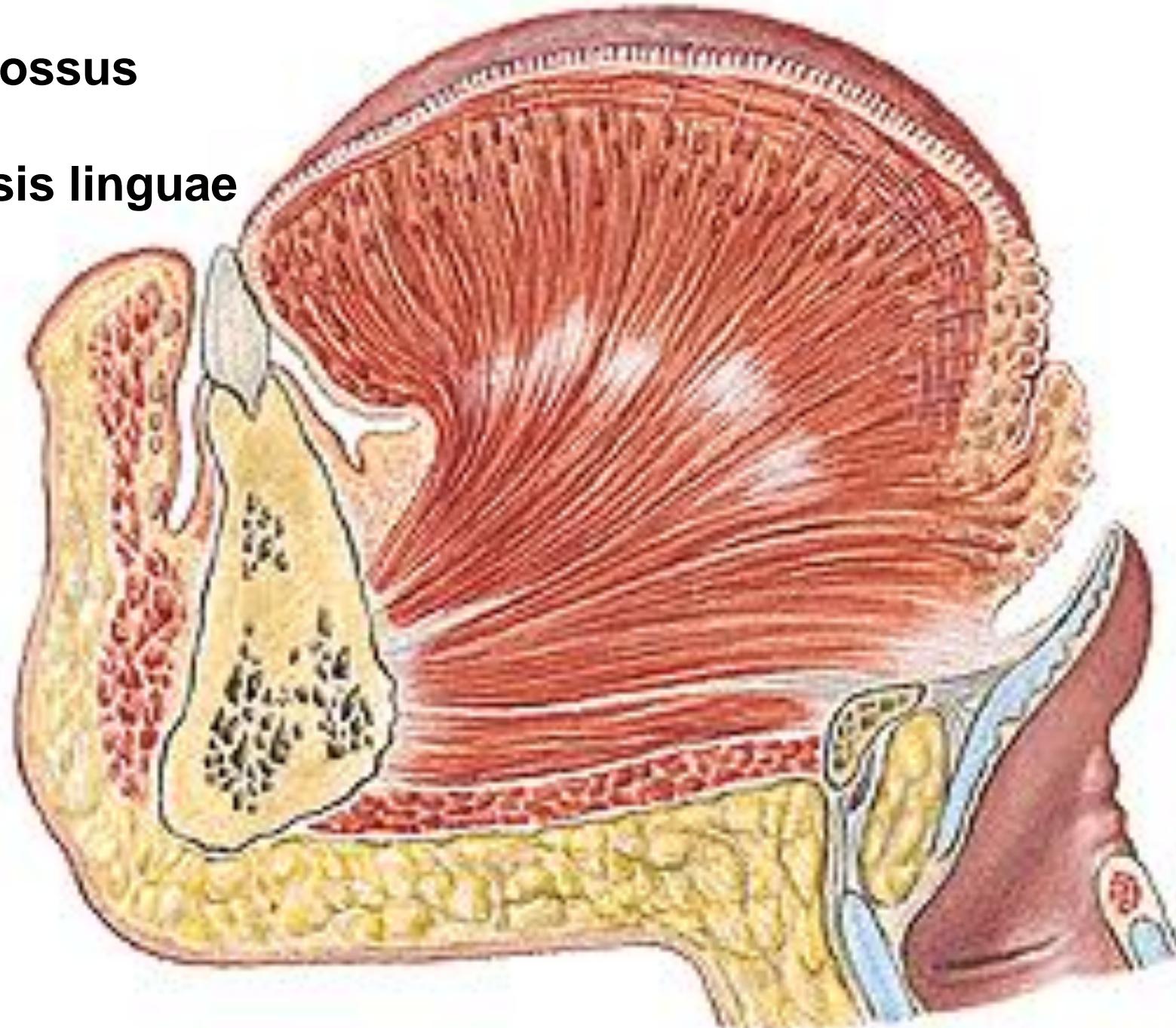
**Facies inferior linguae**  
**Plica fimbriata**

**Frenulum linguae**  
**Plica sublingualis**



**M. genioglossus**

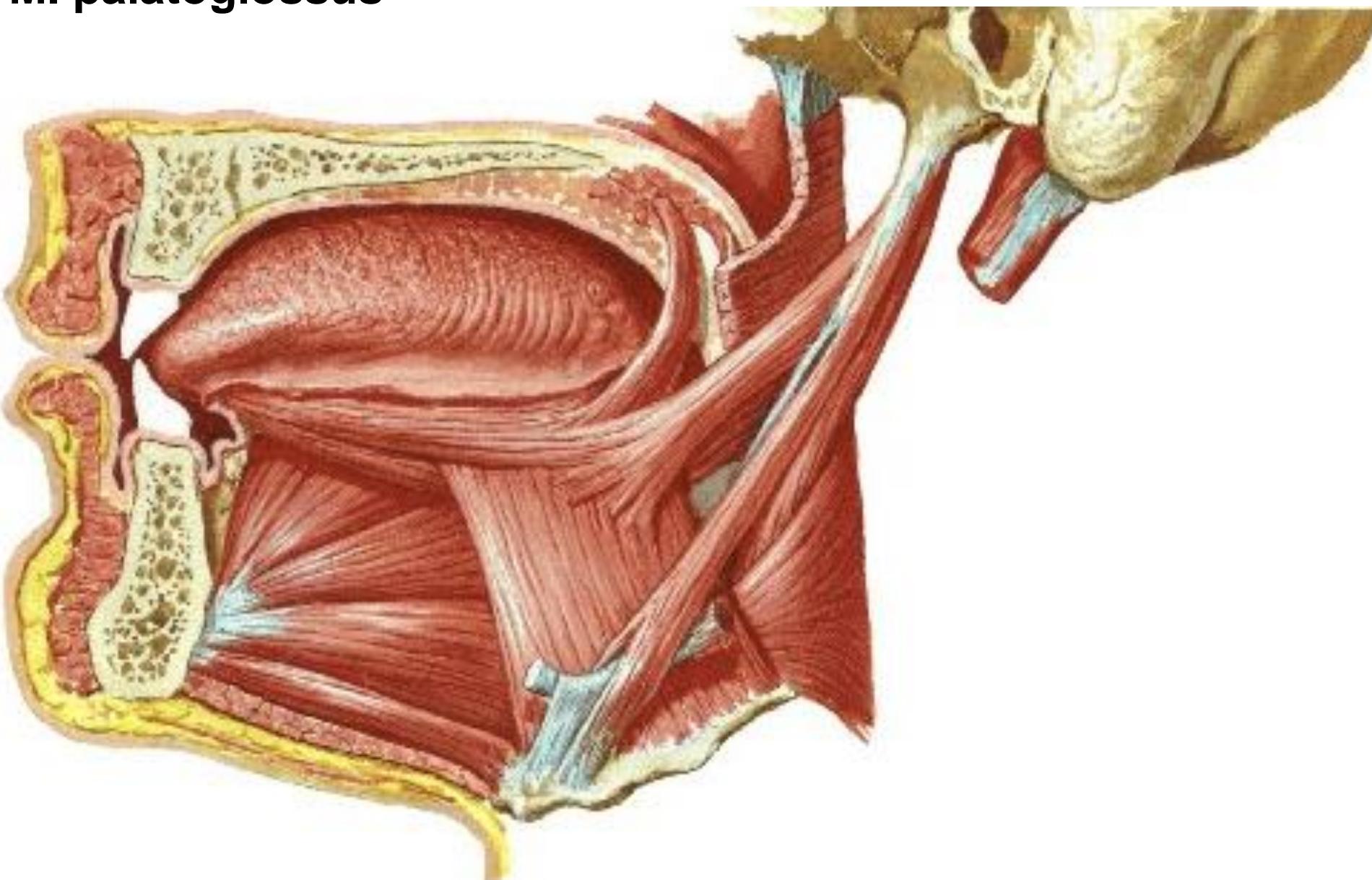
**Aponeurosis linguae**



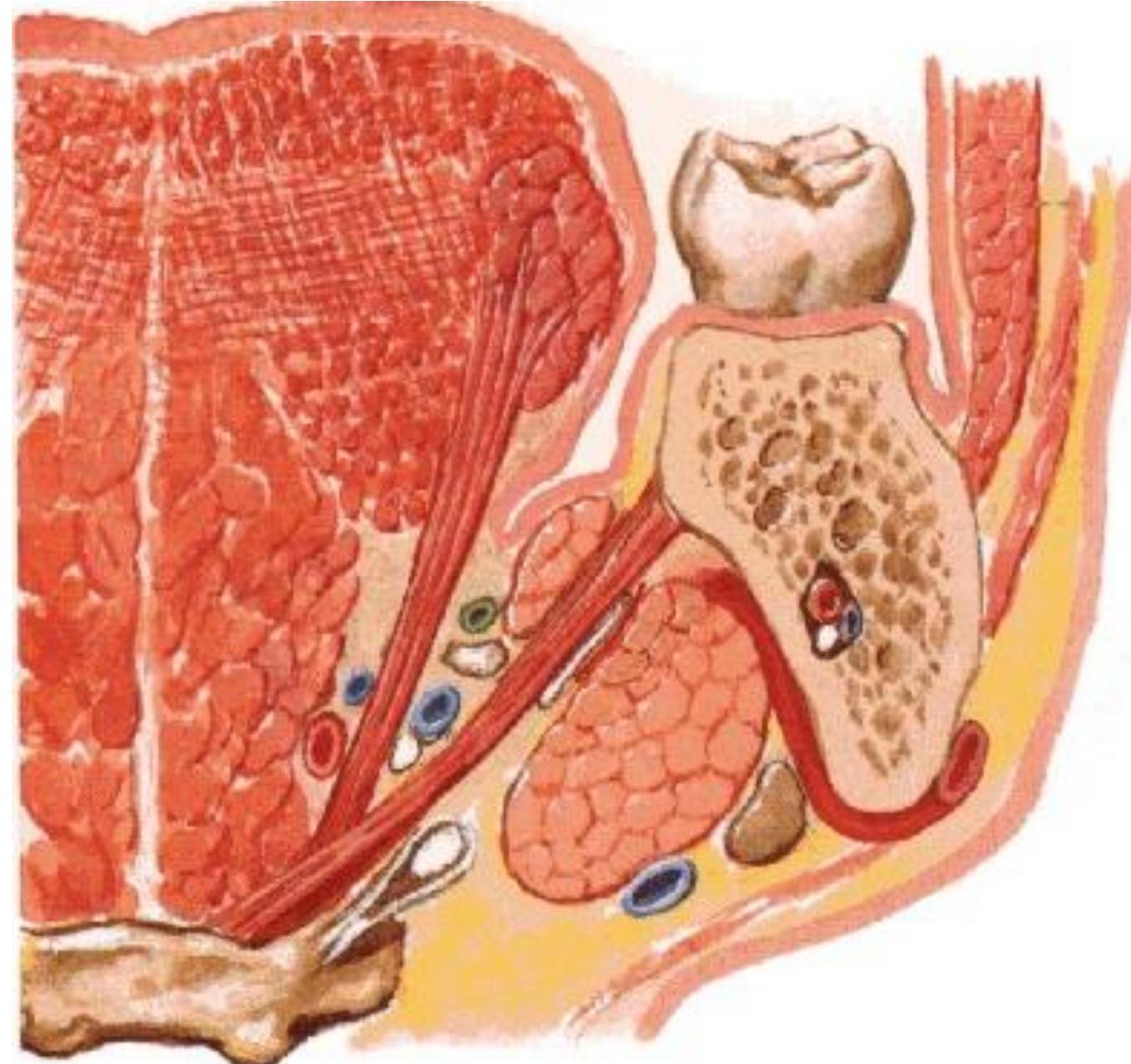
**M. hyoglossus**

**M. styloglossus**

**M. palatoglossus**



## Canalis paralingualis – a. et v. lingualis



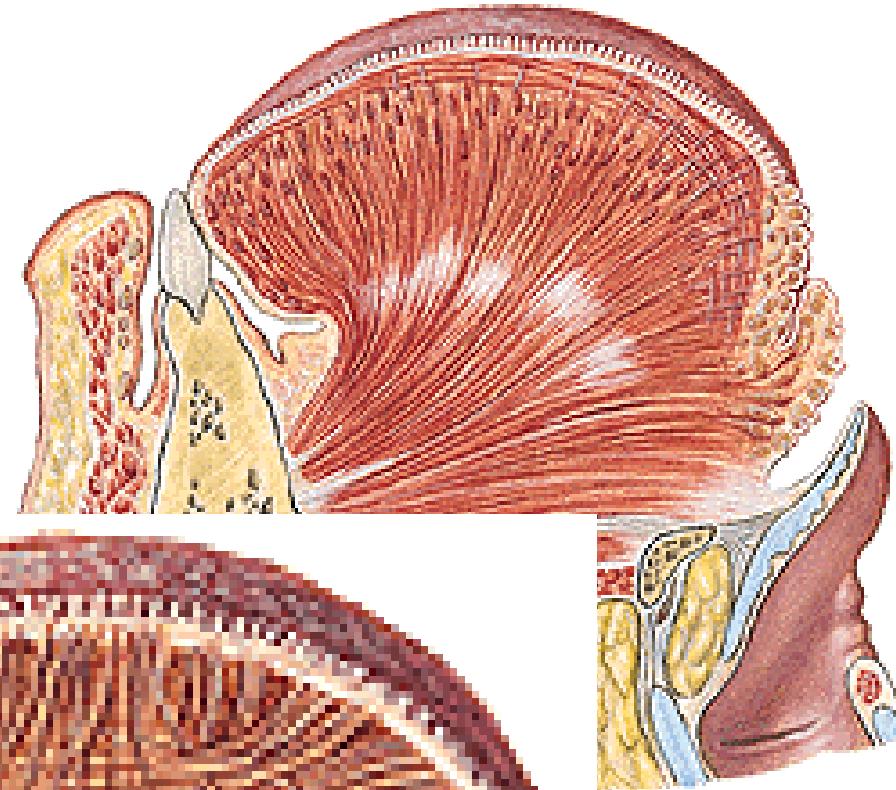
## **Septum linguae**

**M. longitudinalis sup.**

**M. longitudinalis inf.**

**M. transversus linguae**

**M. verticalis linguae**

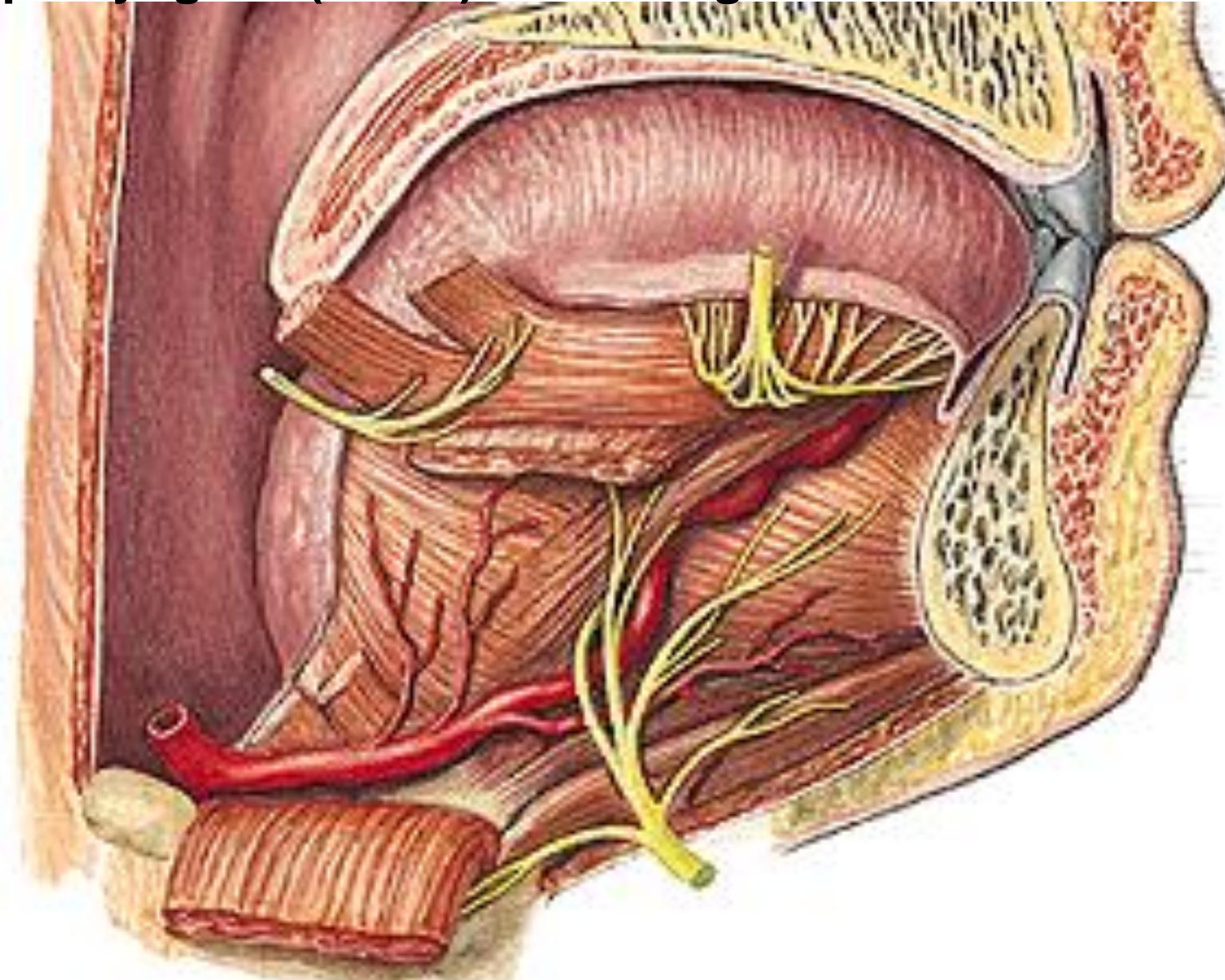


**N. lingualis**

**N. glossopharyngeus (CN IX)**

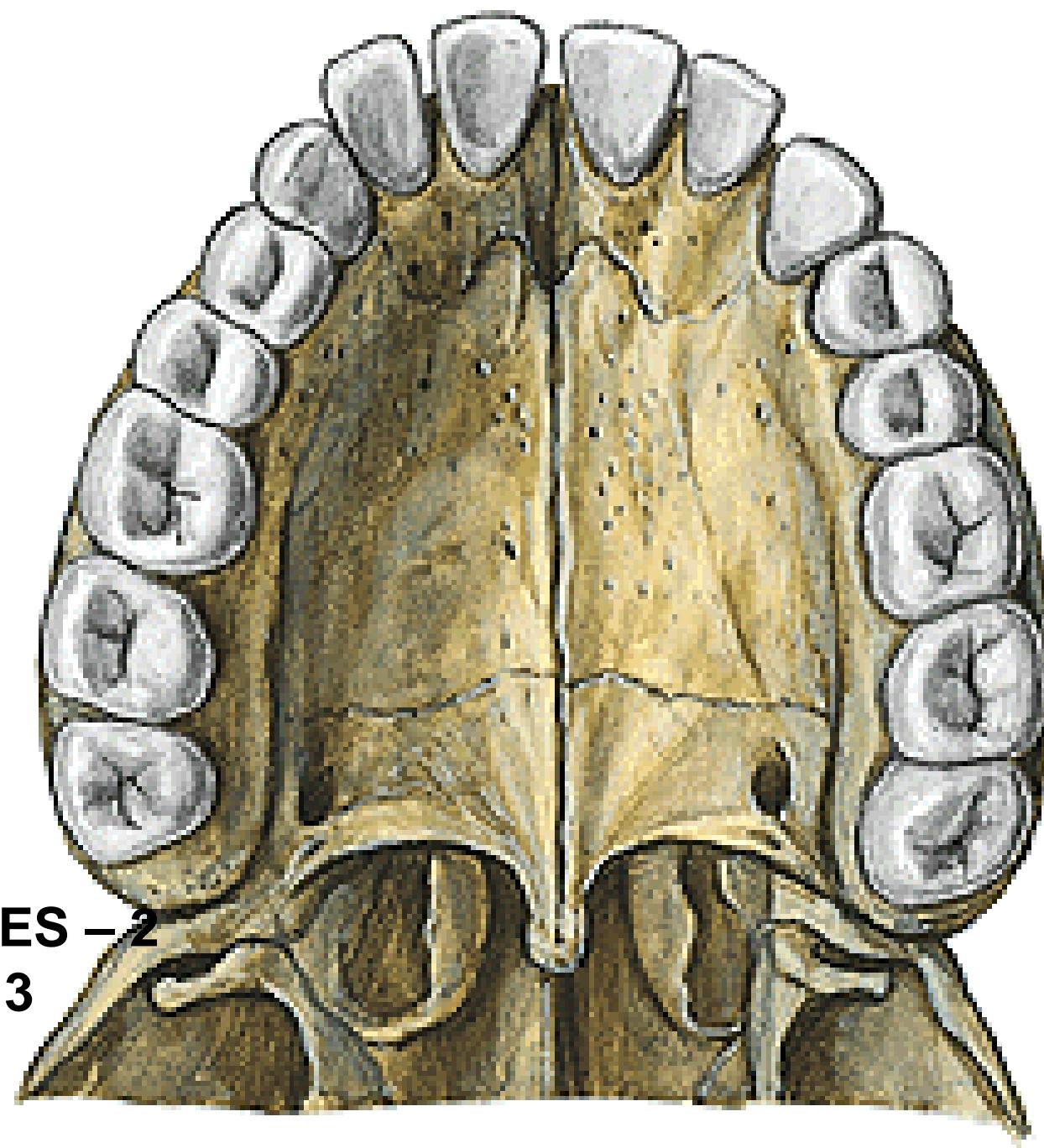
**N. hypoglossus (CN XII)**

**A. lingualis**



# DENTES PERMANENTES

DENTES INCISIVI - 2  
DENS CANINUS – 1  
DENTES PREMOLARES – 2  
DENTES MOLARES – 3



**CORONA DENTIS**

**COLLUM DENTIS**

**RADIX DENTIS**



## CORONA:

**Facies occlusalis**

- tubercula dentalia

**Facies approximales**

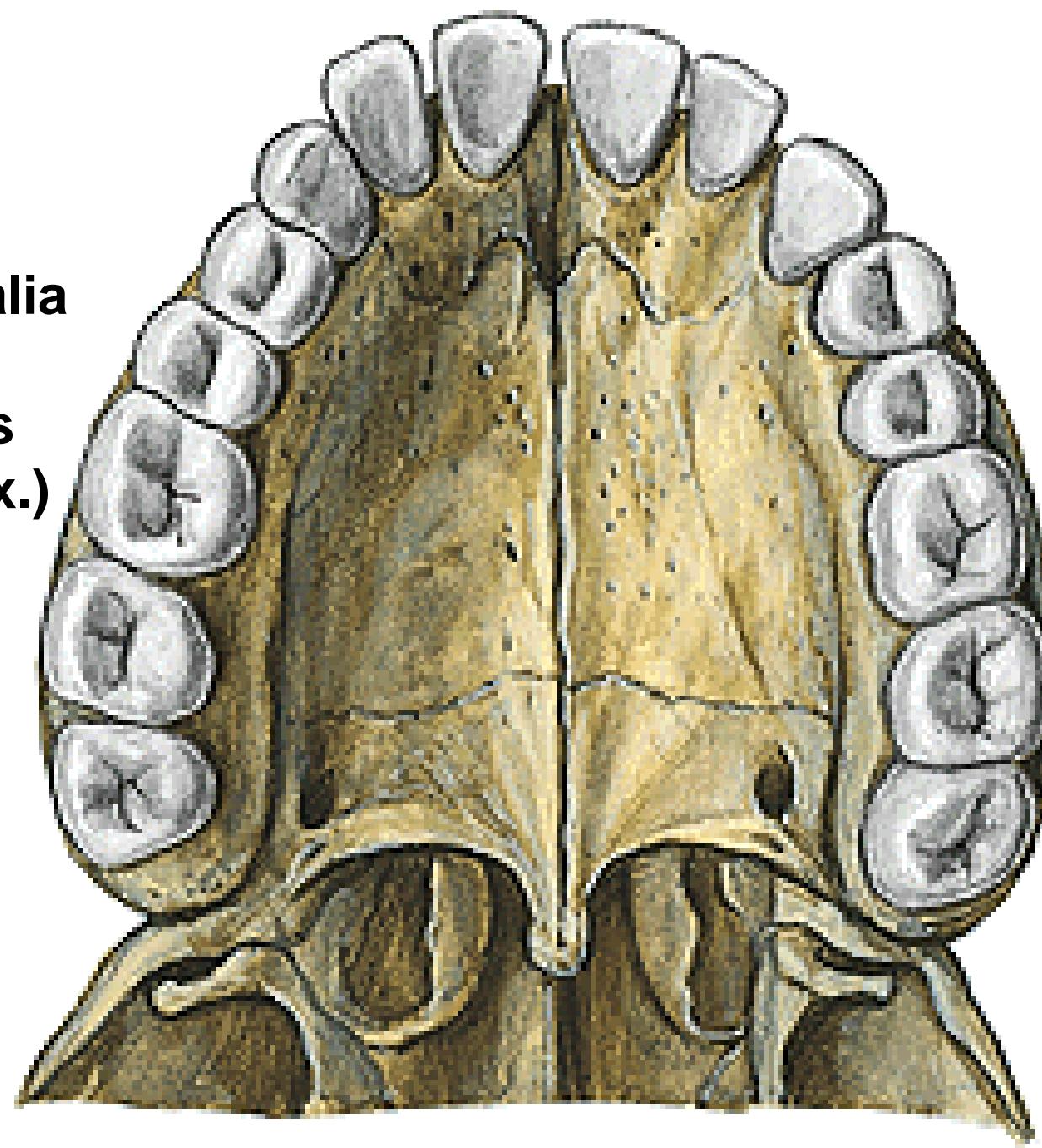
- f. mesialis (prox.)
- f. distalis

**Facies vestibularis**

- f. labialis
- f. buccalis

**Facies oralis**

- f. palatina
- f. lingualis



**CAVUM DENTIS**

**CANALIS RADICIS DENTIS**

**FORAMEN APICIS DENTIS**

**GOMPHOSIS**

**PERIODONTAL LIGAMENT**

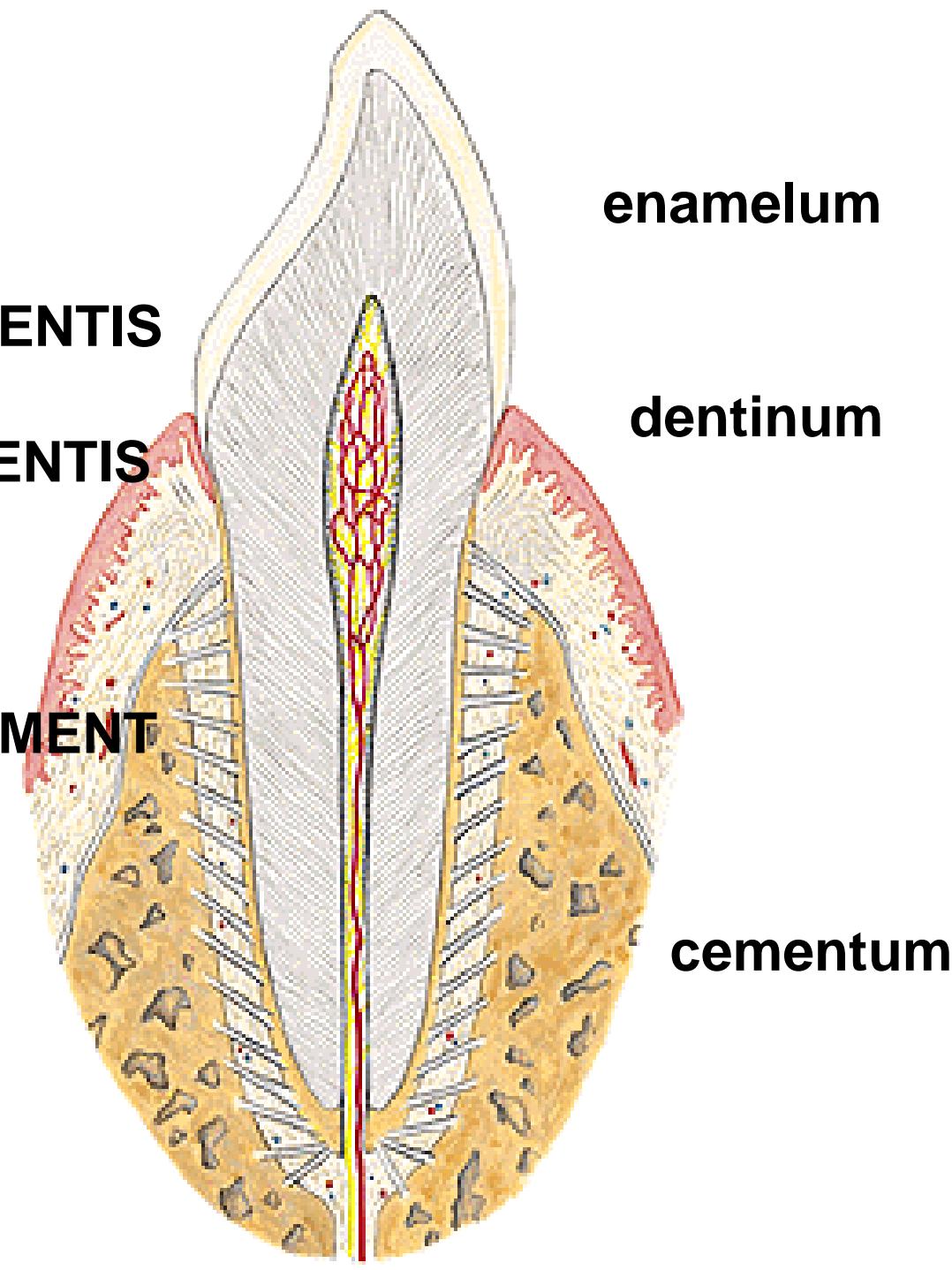
**(P. MEMBRANE;  
PARODONTIUM)**

**Sharpey's fibers**

**enamelum**

**dentinum**

**cementum**

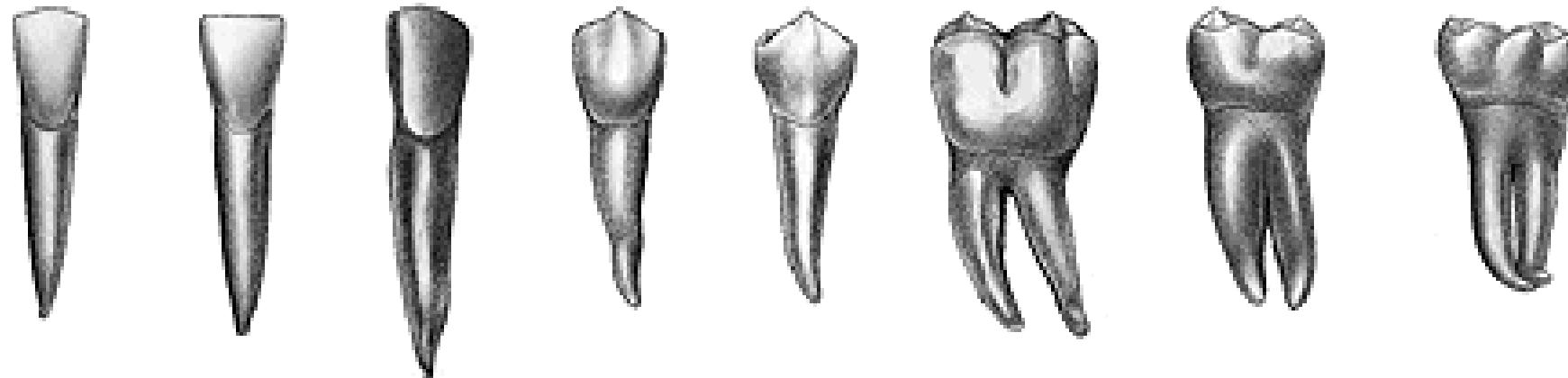
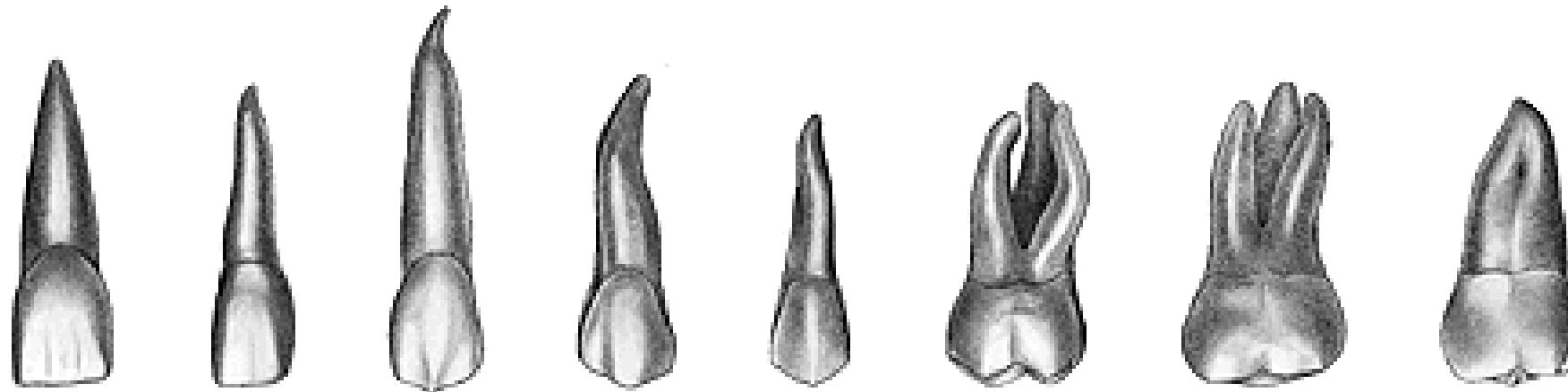


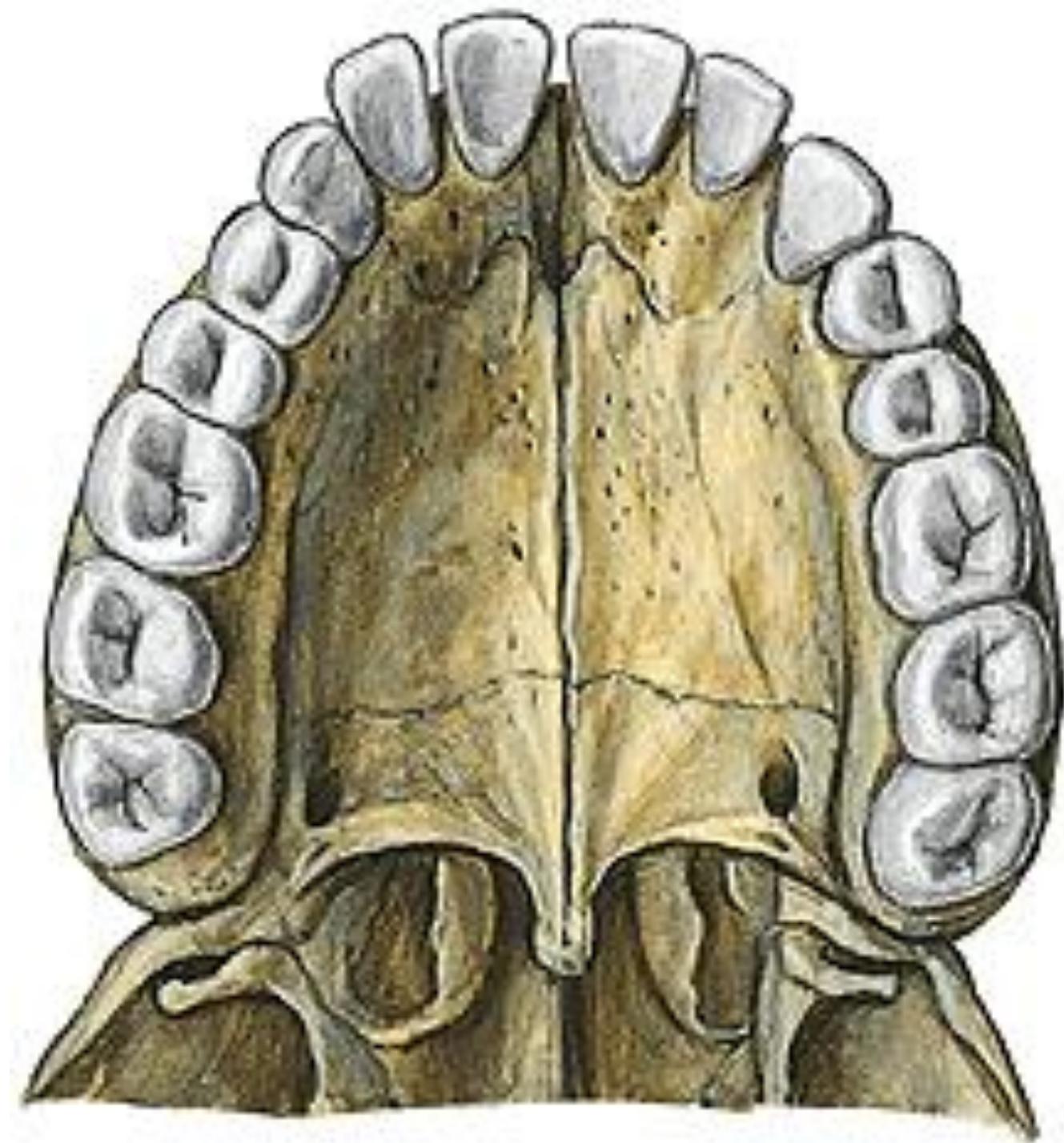
**DENTES INCISIVI - 2**

**DENS CANINUS – 1**

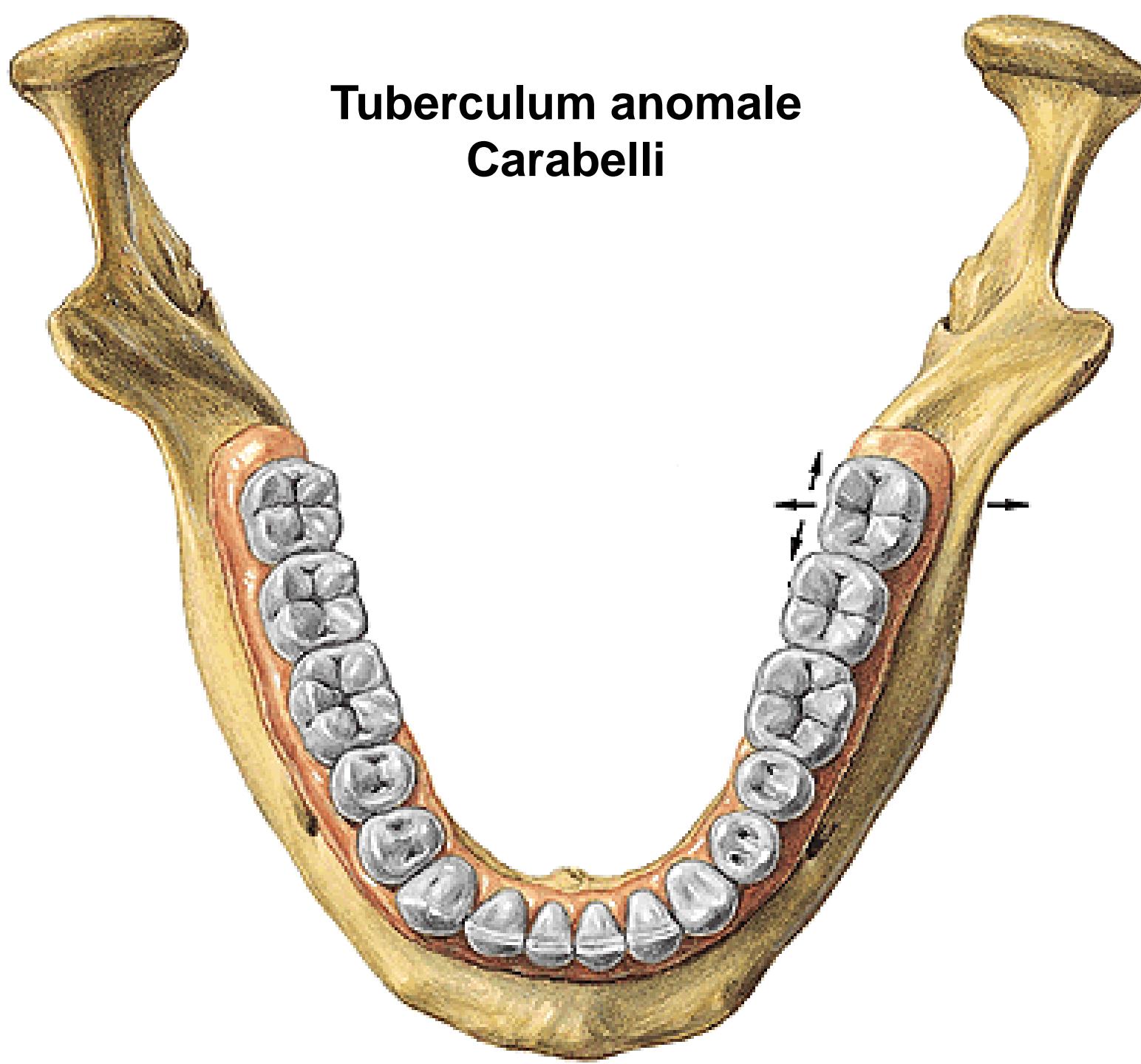
**DENTES PREMOLARES – 2**

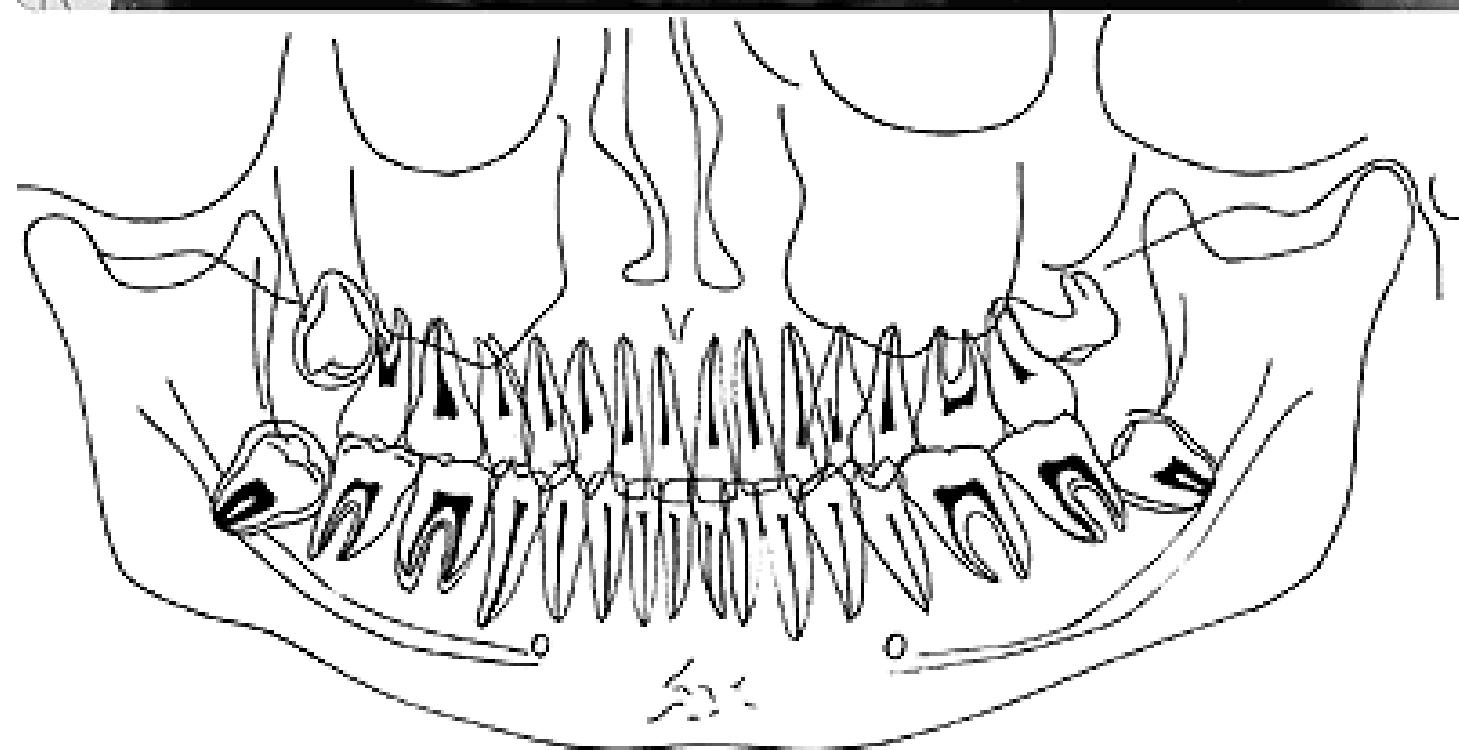
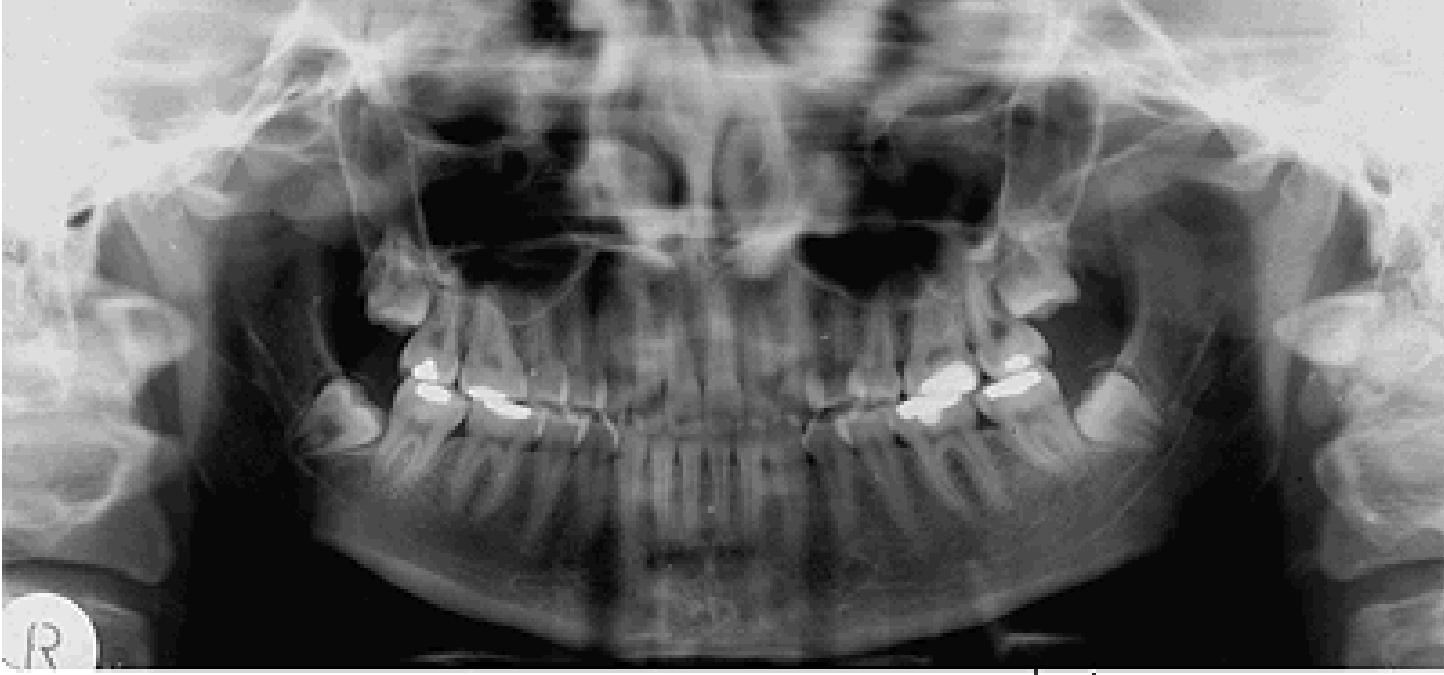
**DENTES MOLARES – 3**





**Tuberculum anomale  
Carabelli**



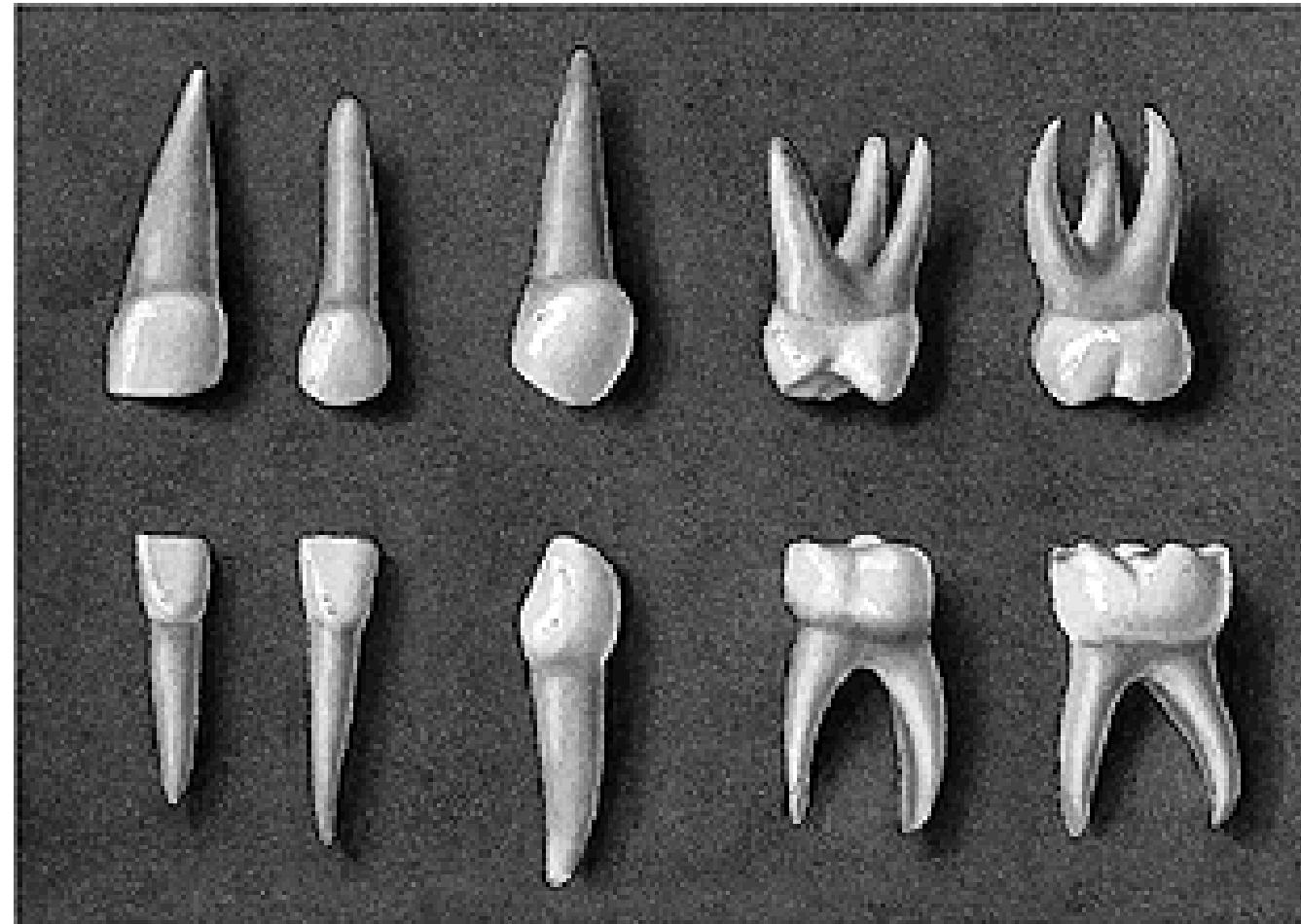


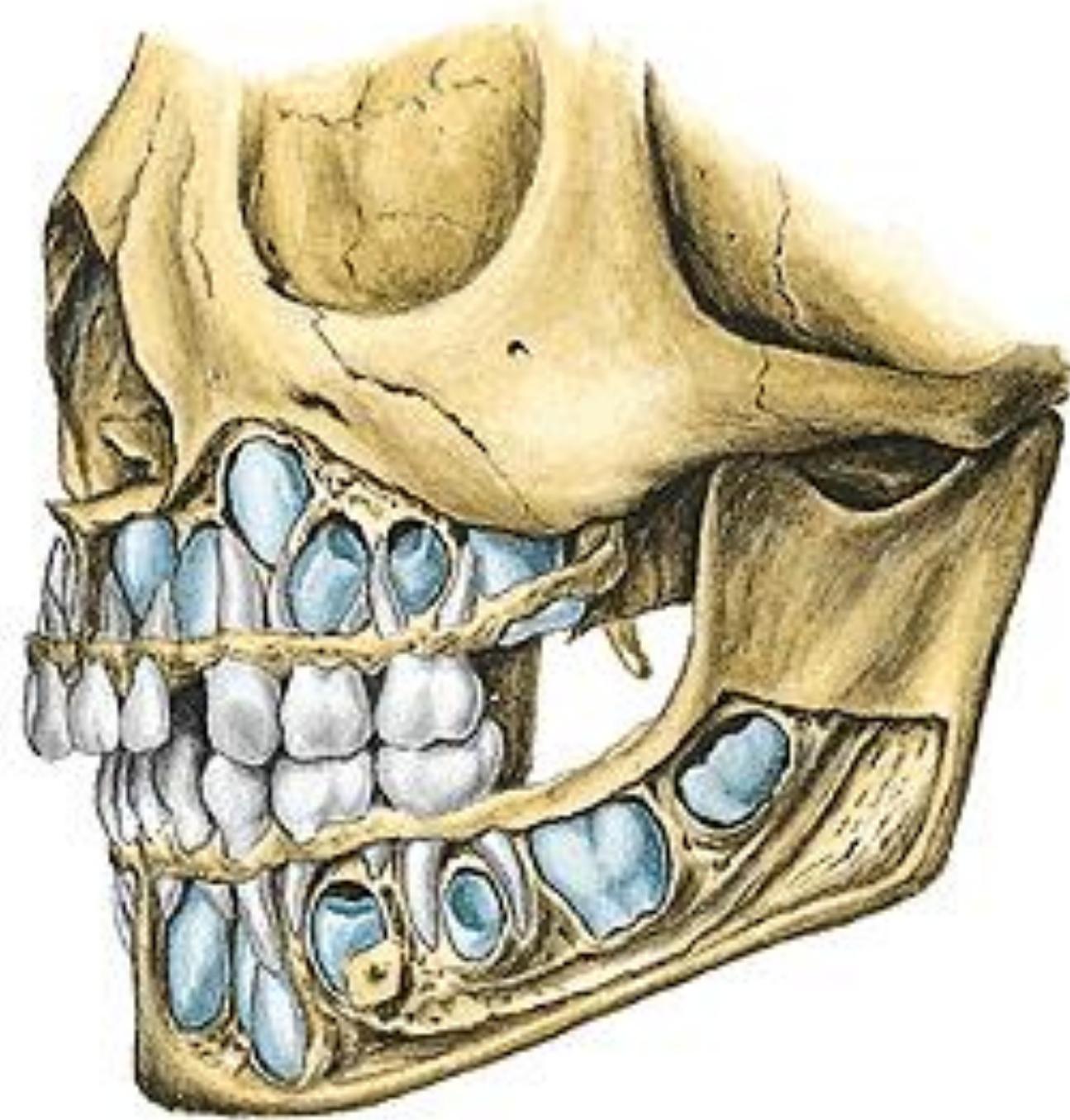
**DENTES INCISIVI - 2**

**DENS CANINUS – 1**

**DENTES MOLARES - 2**

**DENTES DECIDUI**





## **Eruption:**

- I 6<sup>th</sup>- 8<sup>th</sup> month**
- II 8<sup>th</sup>-12<sup>th</sup> month**
- III 16<sup>th</sup>-20<sup>th</sup> month**
- IV 12<sup>th</sup>-16<sup>th</sup> month**
- V 20<sup>th</sup>-36<sup>th</sup> month**

**I, II, IV, III, V**

## **Exchange of the teeth:**

- 1 7<sup>th</sup>-8<sup>th</sup> year**                           **6, 1, 2, 4, 3, 5, 7, 8**
- 2 8<sup>th</sup>-9<sup>th</sup> year**
- 3 11<sup>th</sup>-13<sup>th</sup> year**
- 4 9<sup>th</sup>-11<sup>th</sup> year**
- 5 11<sup>th</sup>-13<sup>th</sup> year**
- 6 6<sup>th</sup>-7<sup>th</sup> year**
- 7 12<sup>th</sup>-14<sup>th</sup> year**
- 8 17<sup>th</sup>-40<sup>th</sup> year**

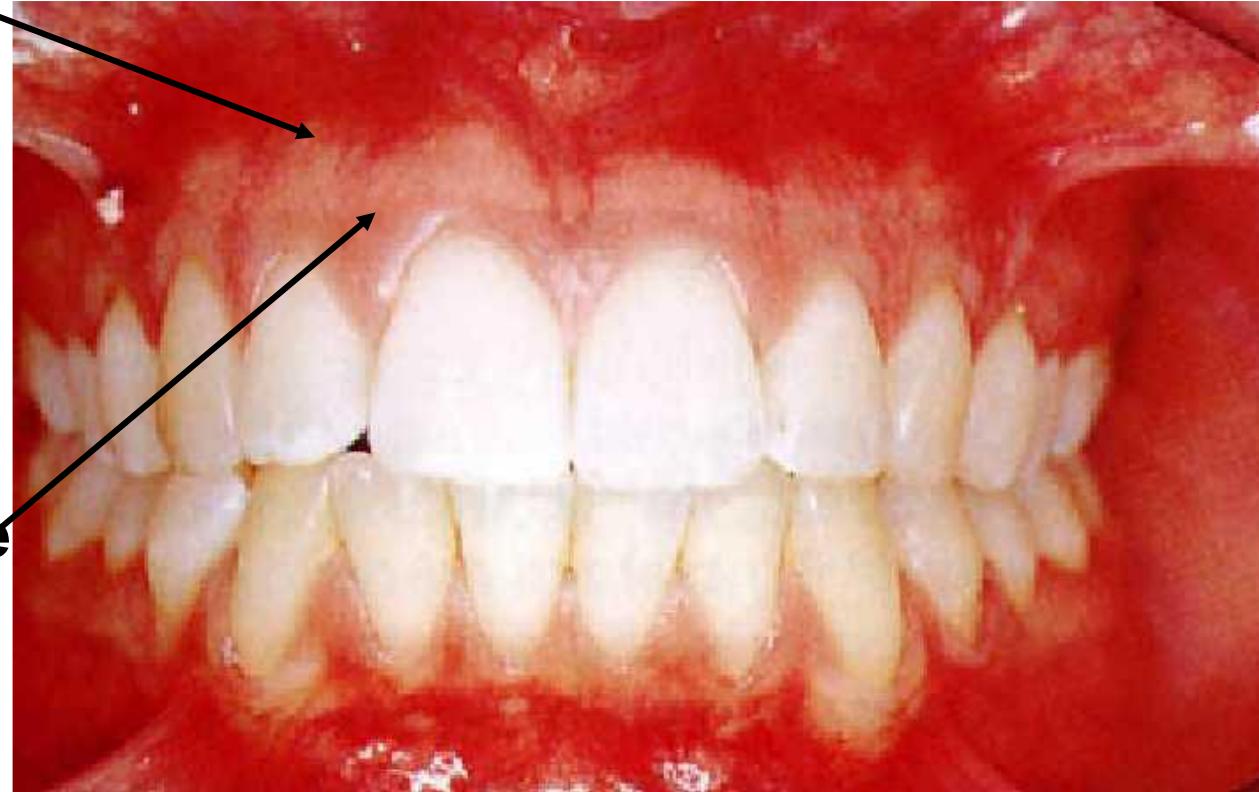
**Alveolar mucosa**

**Gingiva** - gingiva fixa (attached g.)

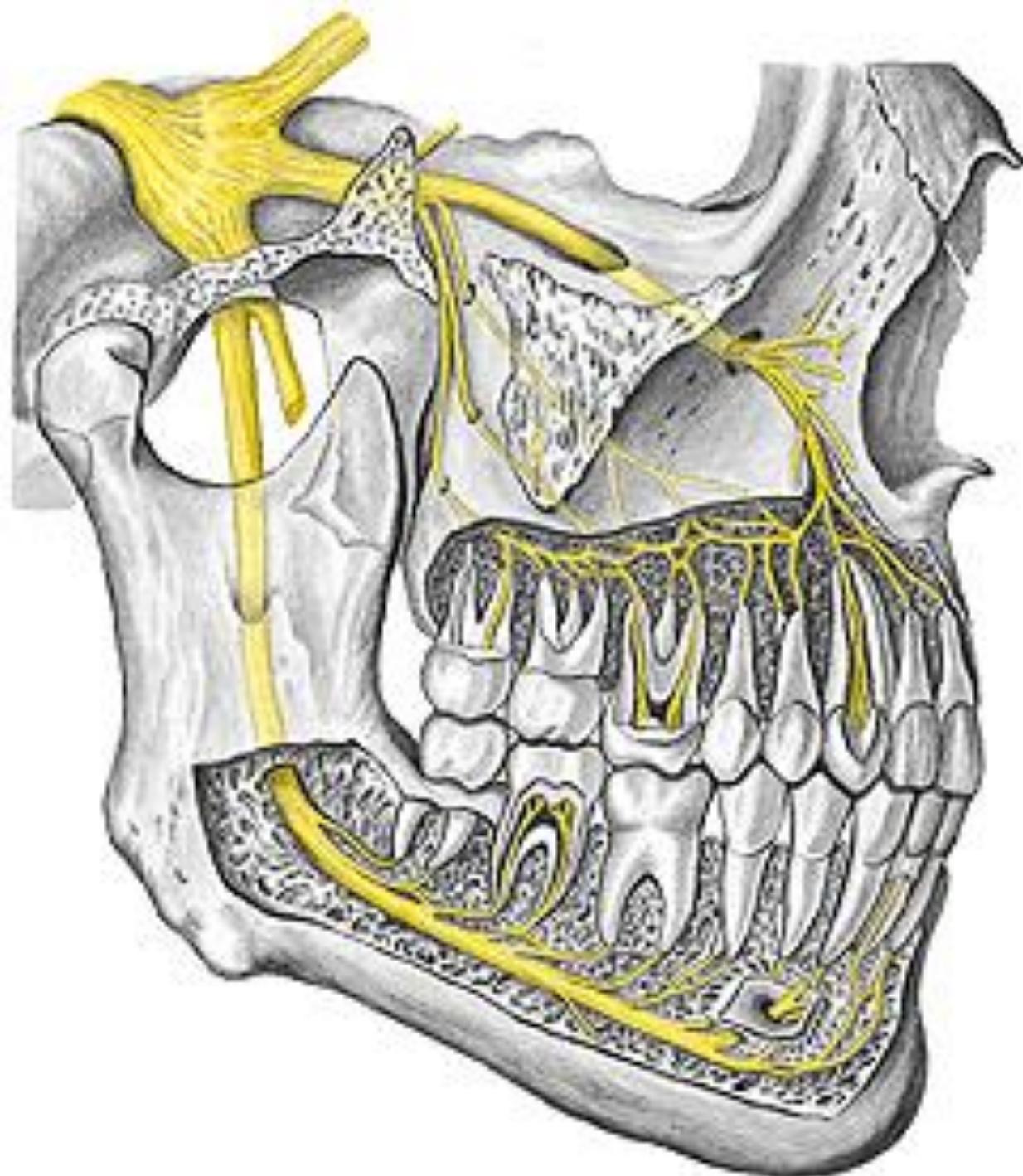
- gingiva libera (marginal g.), gingival sulcus

**Mucogingival border**

**Paramarginal groove**



**OCCLUSION (PROGNATHISM, PROGENISM)**

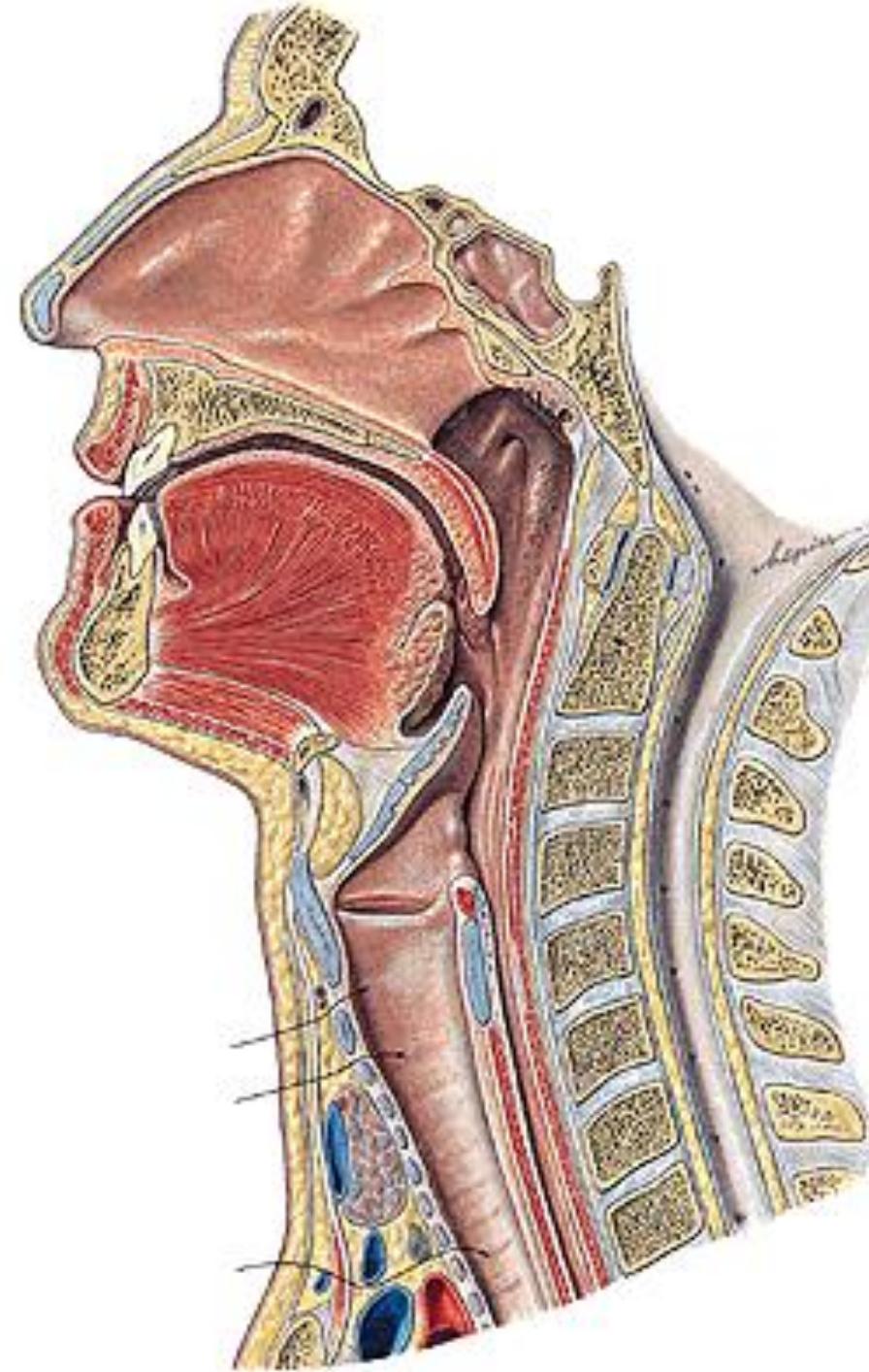


# **DIGESTIVE SYSTEM II.**

**pharynx-rectum**

# PHARYNX

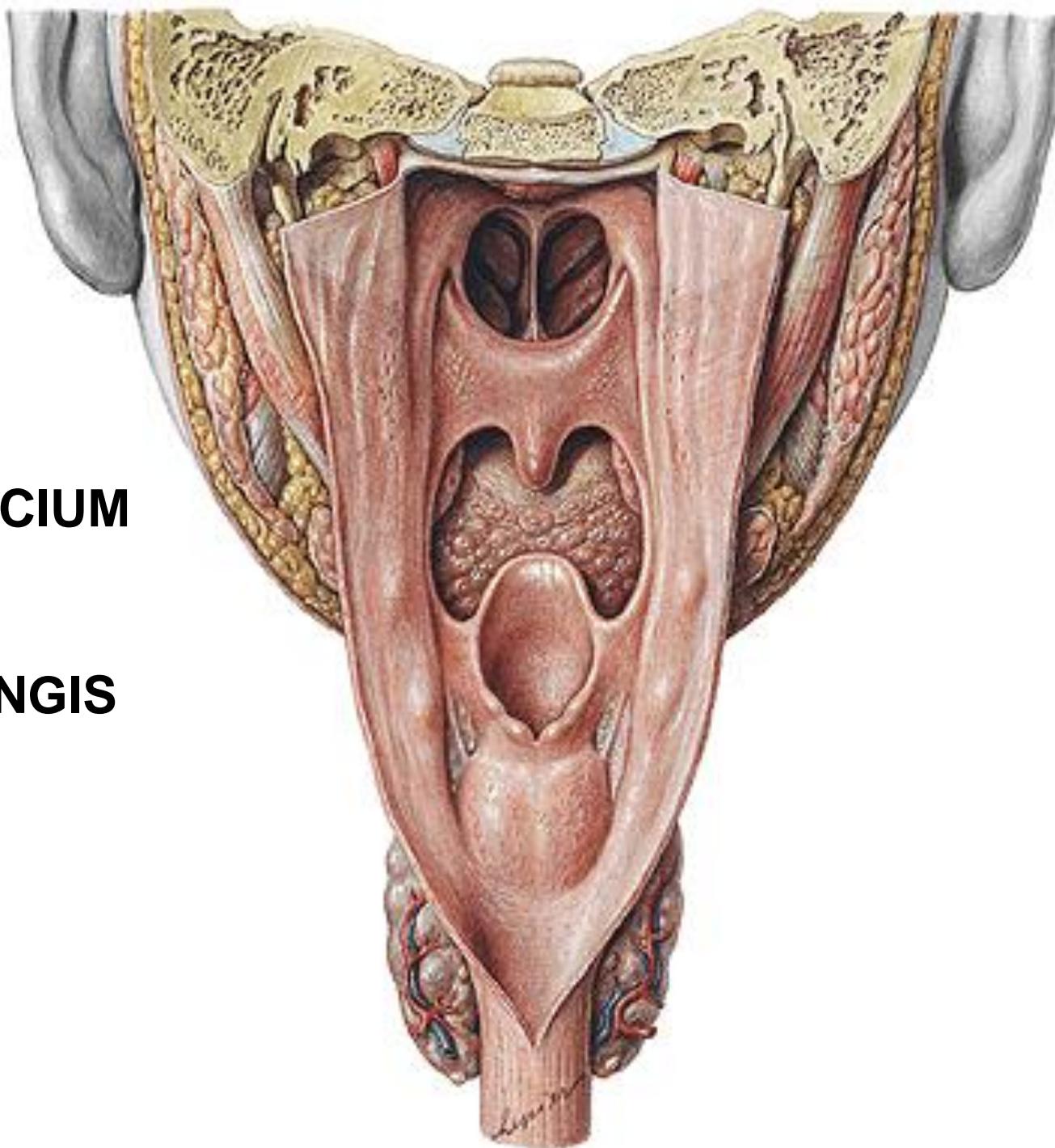
**Fornix pharyngis**  
**Cavum pharyngis**



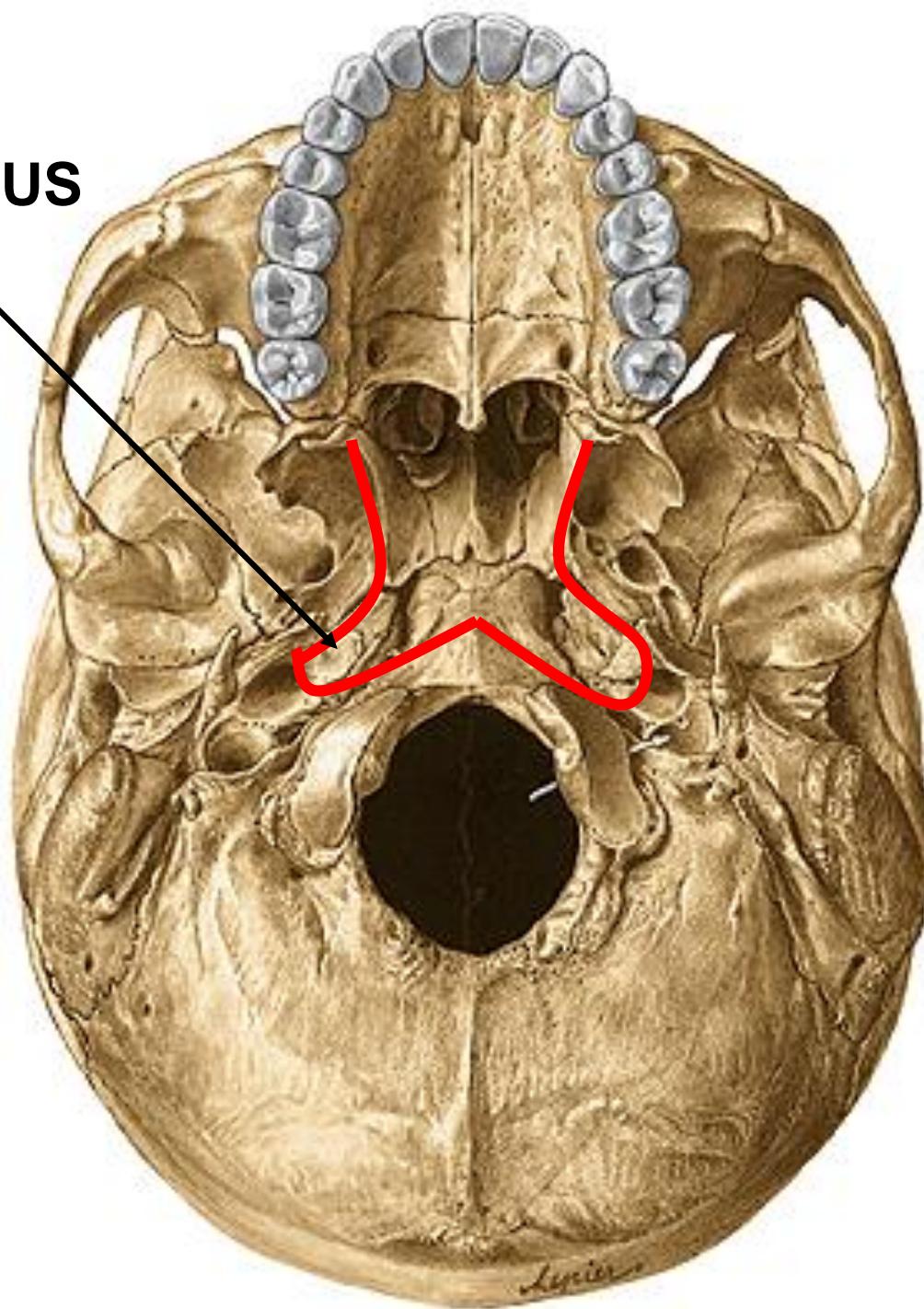
**CHOANAE**

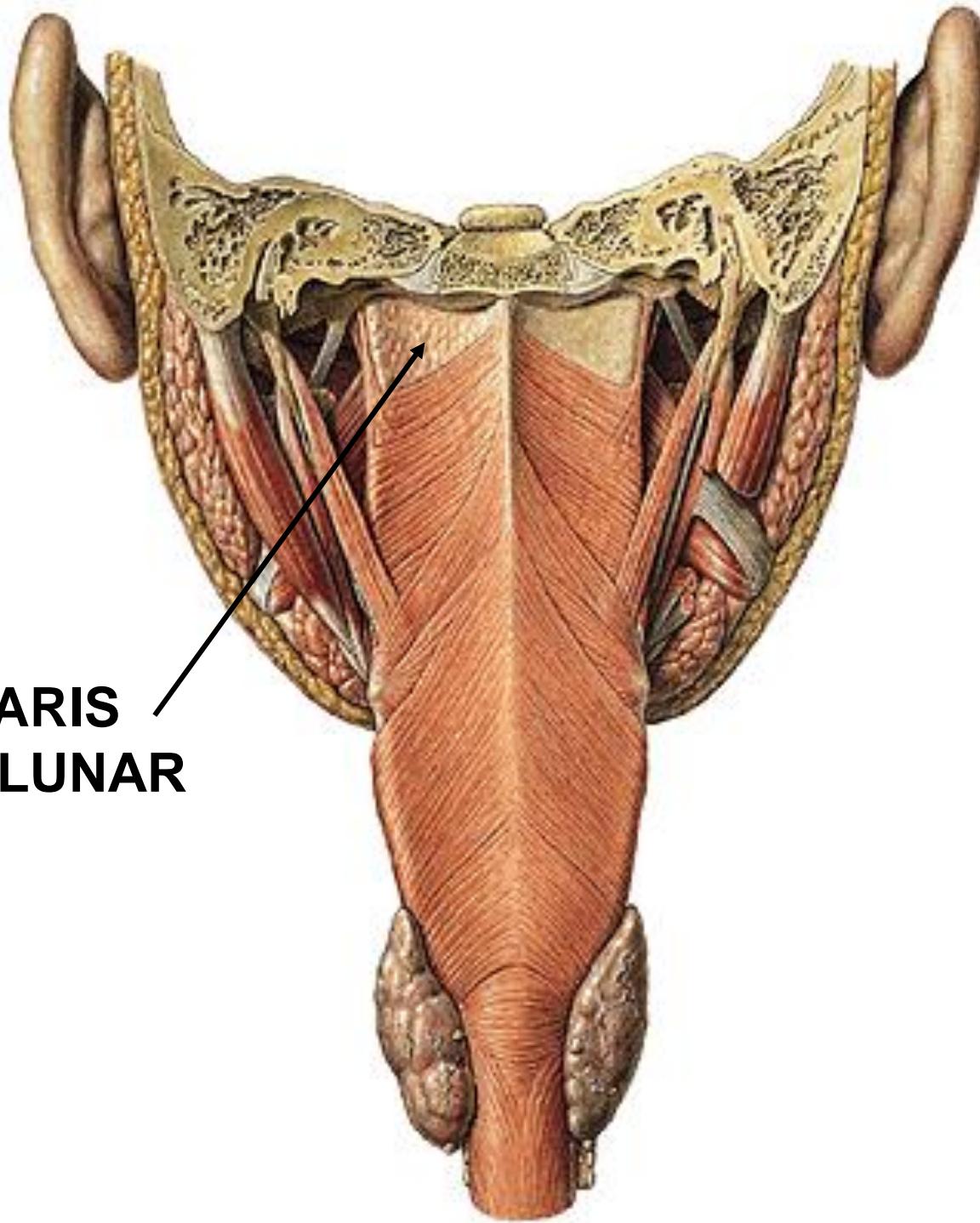
**ISTHMUS FAUCIUM**

**ADITUS LARYNGIS**



**RECESSUS  
PHARYNGEUS**

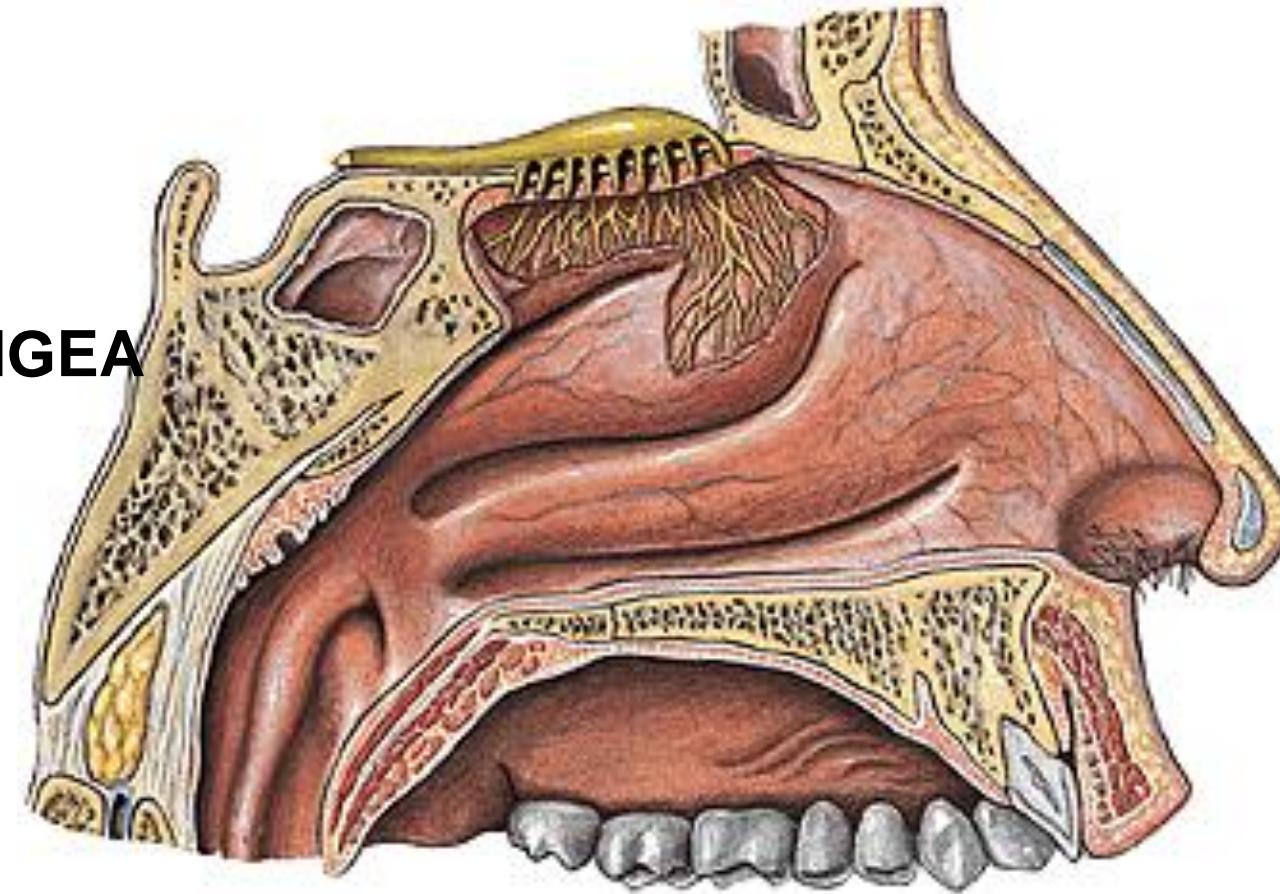




**FASCIA  
PHARYNGOBASILARIS  
(LUSCHKA'S SEMILUNAR  
SPACE)**

## NASOPHARYNX:

TONSILLA PHARYNGEA

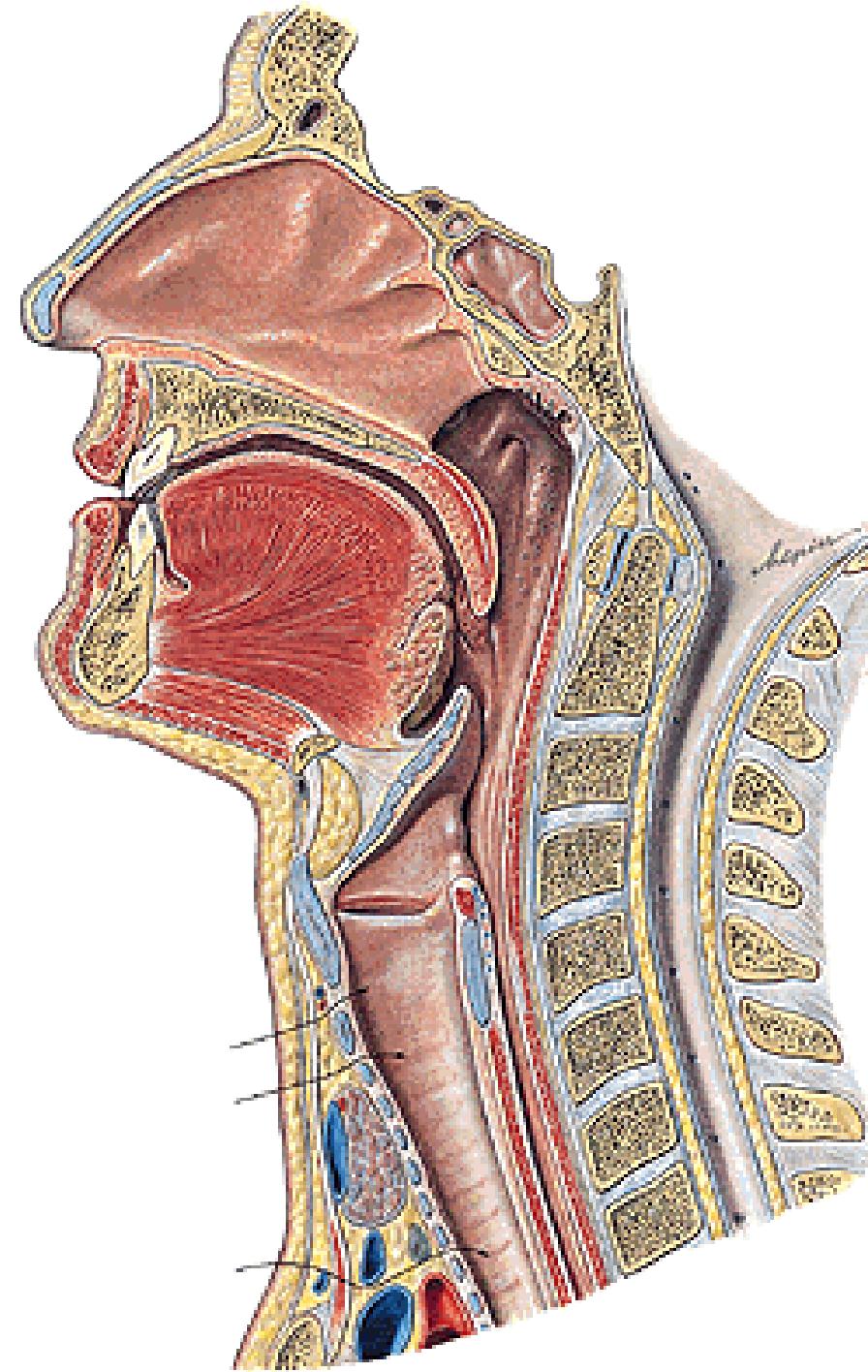


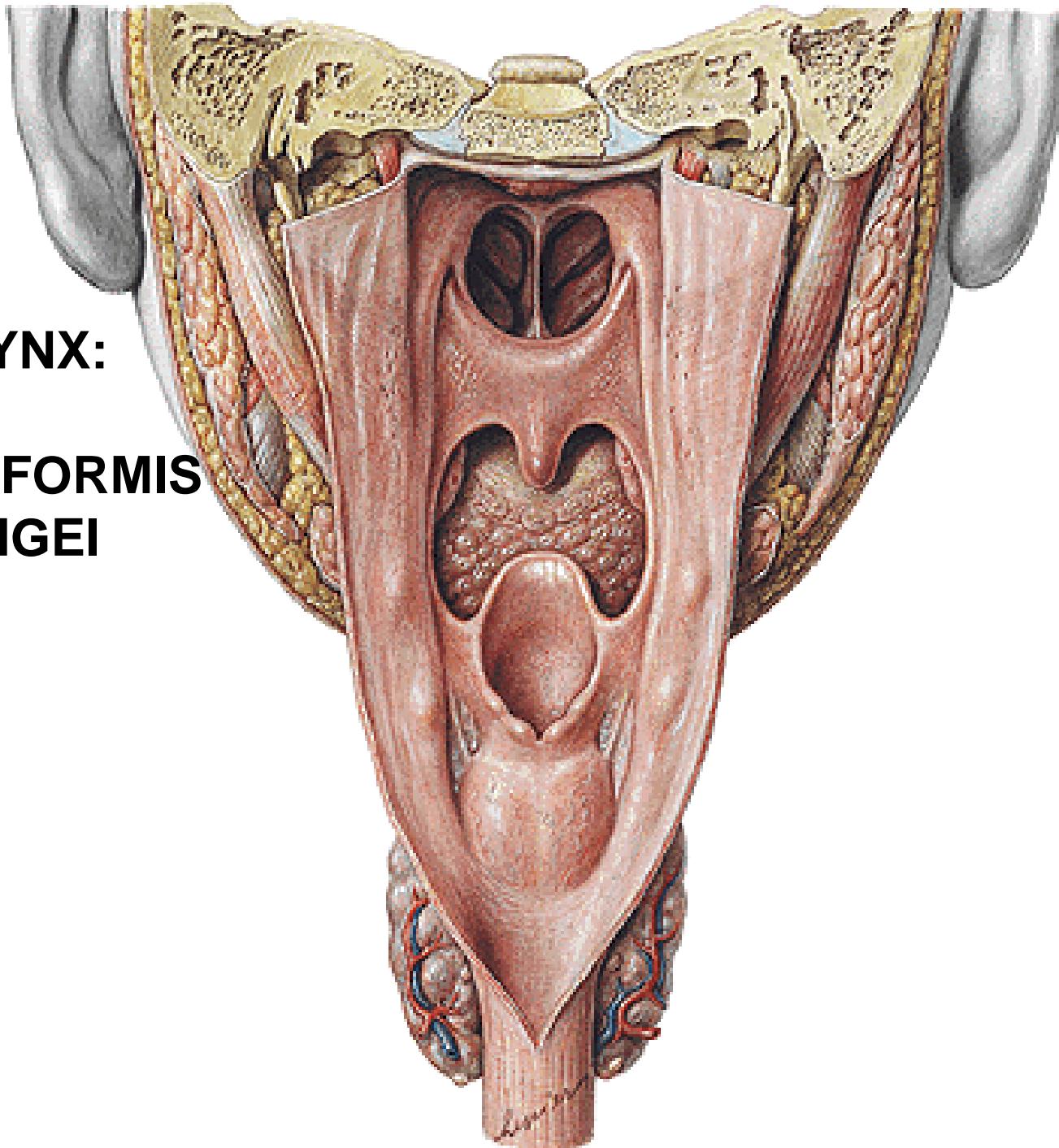
## OSTIUM PHARYNGEUM TUBAE AUDITIVAE:

- TORUS TUBARIUS (PLICA SALPINGOPHARYNGEA)
- TORUS LEVATORIUS
- PLICA SALPINGOPALATINA

TONSILLA TUBARIA

# OROPHARYNX





**LARYNGOPHARYNX:**

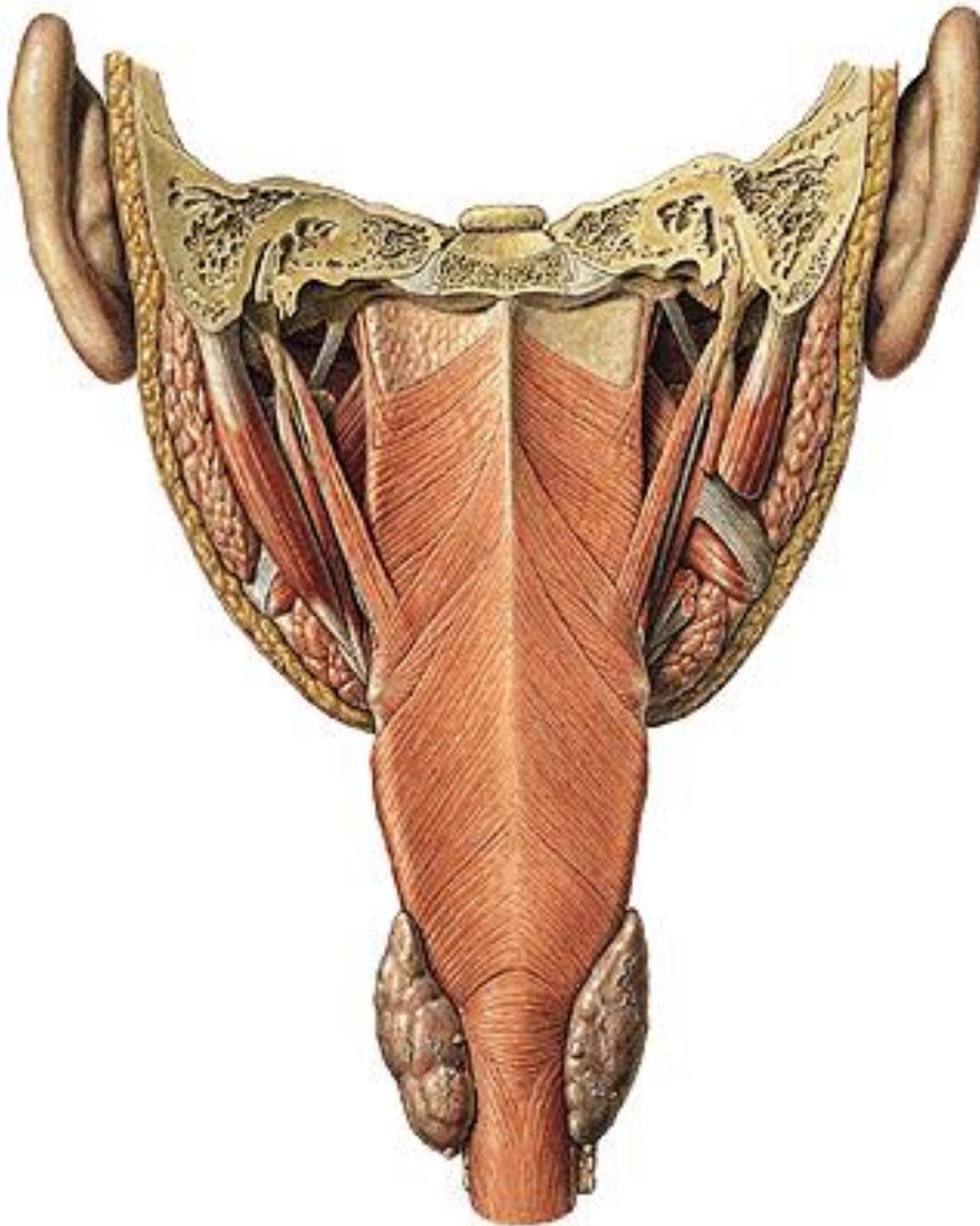
- RECESSUS PIRIFORMIS
- PLICA N. LARYNGEI

**M. CONSTRICCTOR  
PHARYNGIS SUP.**

**M. CONSTRICCTOR  
PHARYNGIS MEDIUS**

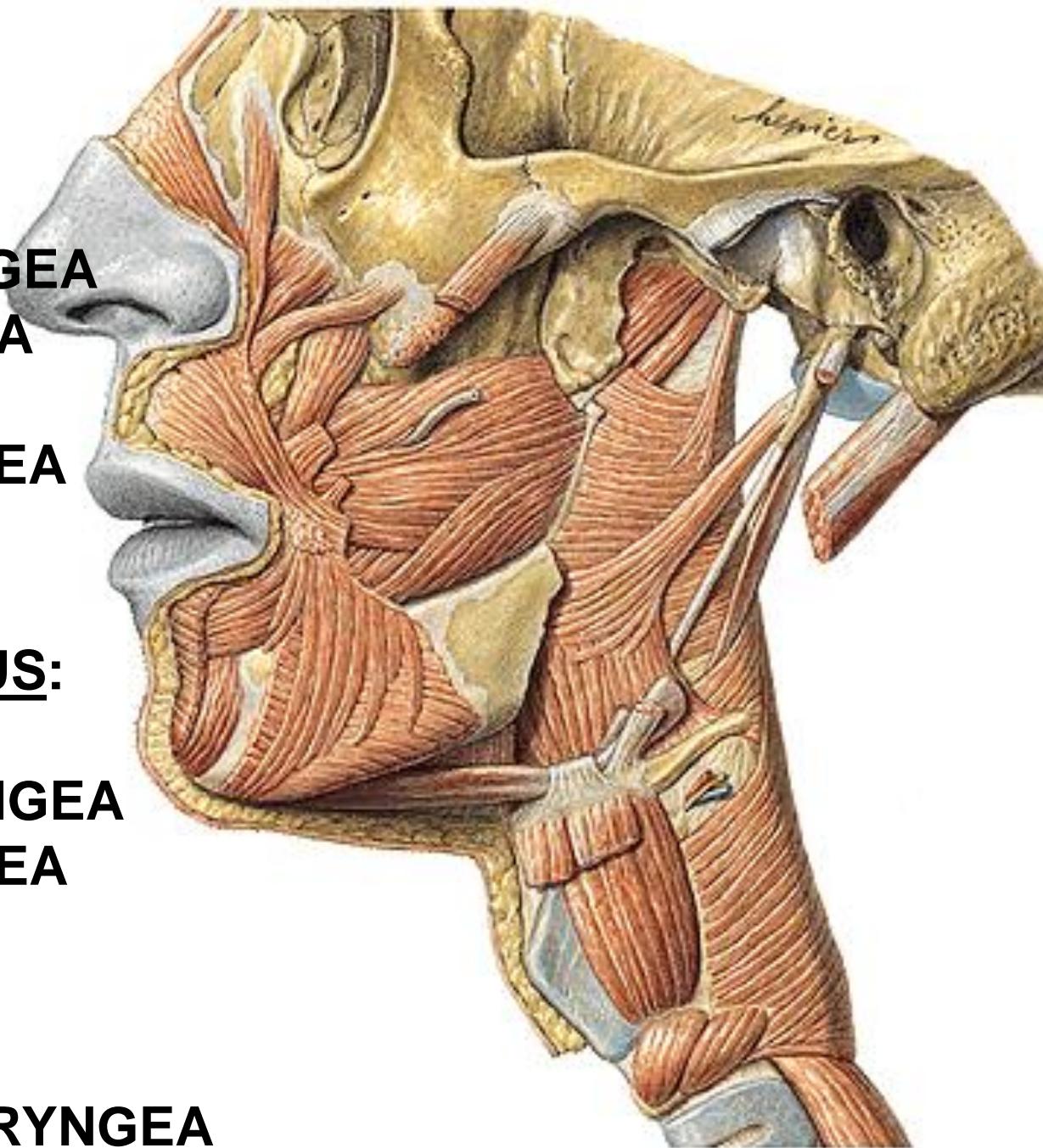
**M. CONSTRICCTOR  
PHARYNGIS INF.**

**- RAPHE PHARYNGIS**



**M. CONSTRICCTOR**  
**PHARYNGIS SUP.:**

- PARS  
PTERYGOPHARYNGEA  
BUCCOPHARYNGEA  
MYLOPHARYNGEA  
GLOSSOPHARYNGEA



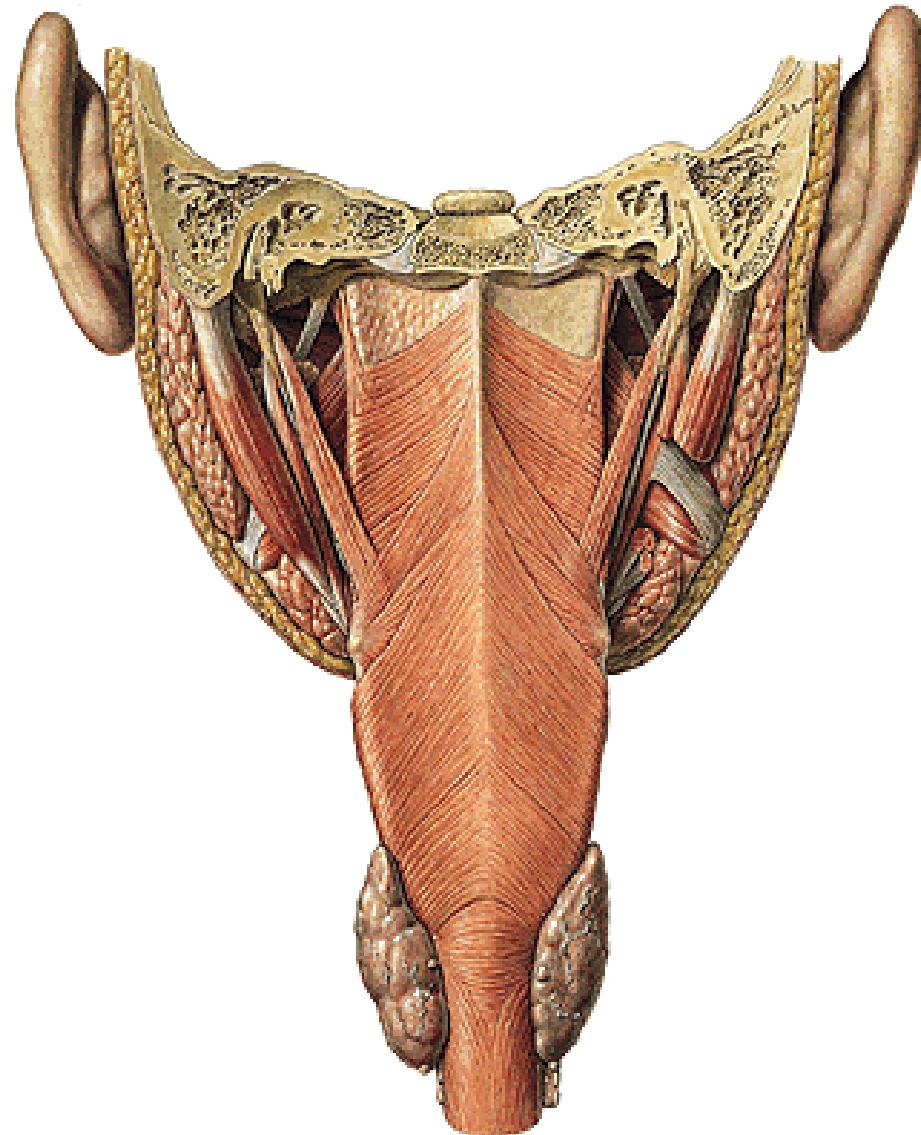
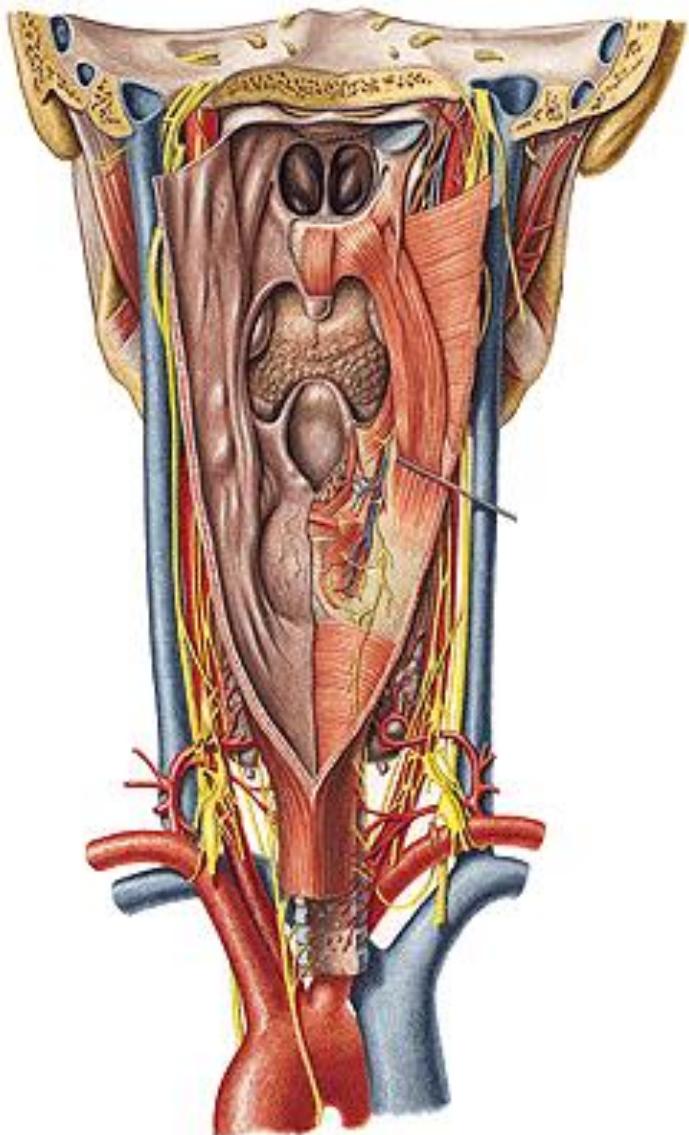
**M. CONSTRICCTOR**  
**PHARYNGIS MEDIUS:**

-PARS  
CHONDROPHARYNGEA  
CERATOPHARYNGEA

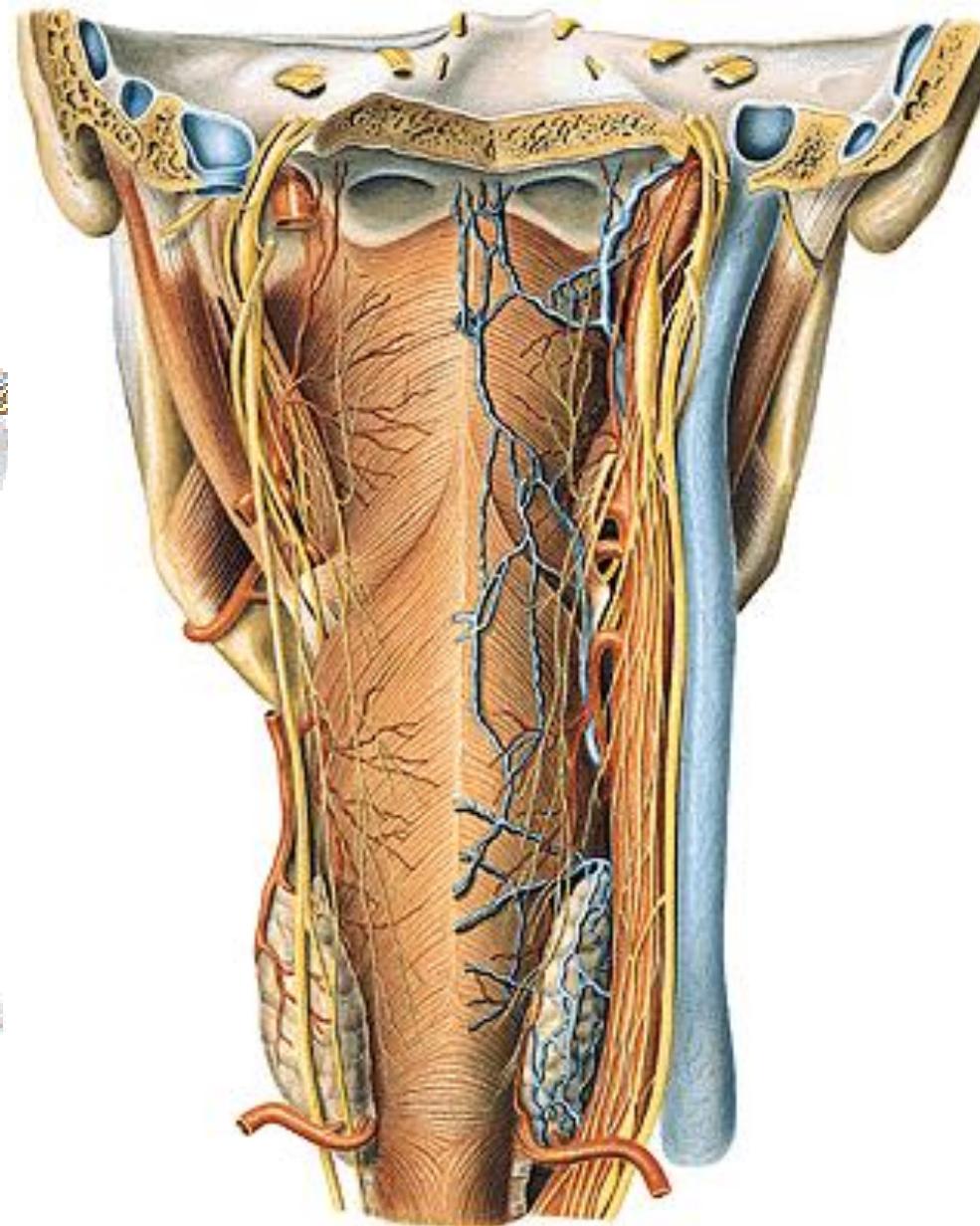
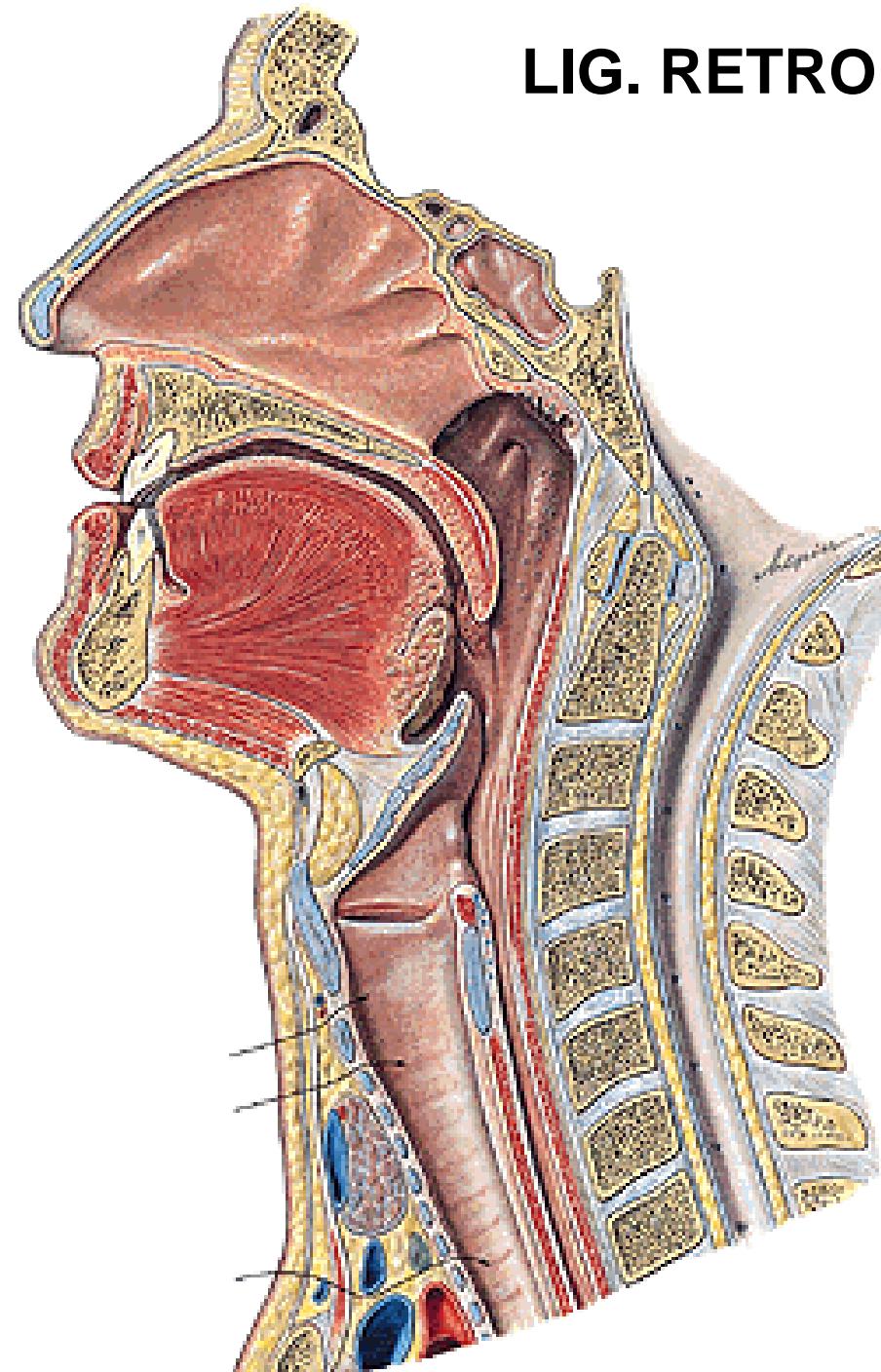
**M. CONSTRICCTOR**  
**PHARYNGIS INF.:**

-PARS THYROPHARYNGEA  
CRICOPHARYNGEA

**LEVATORS: M. PALATOPHARYNGEUS  
M. SALPINGOPHARYNGEUS  
M. STYLOPHARYNGEUS**



## LIG. RETROPHARYNGEUM MEDIANUM



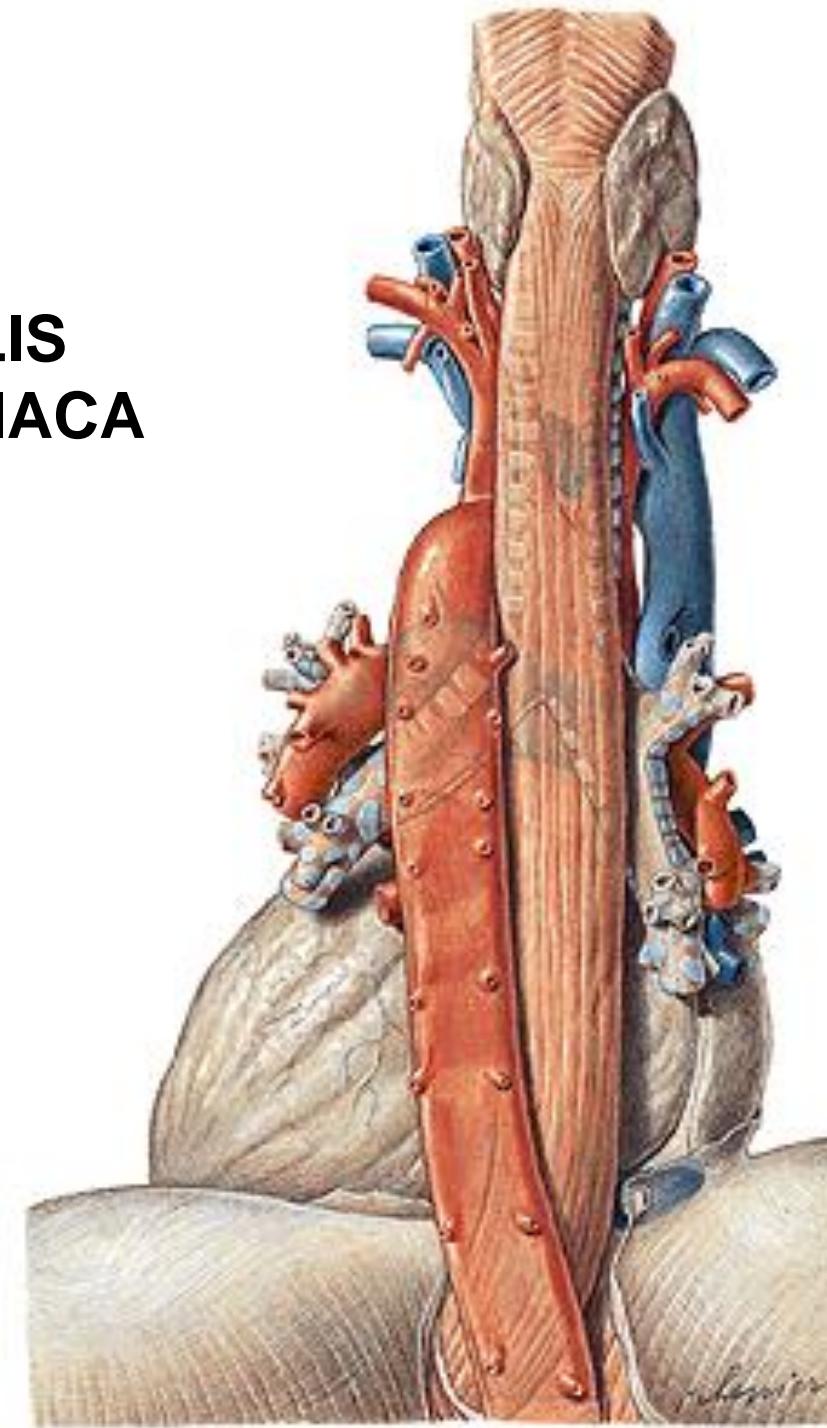
# OESOPHAGUS



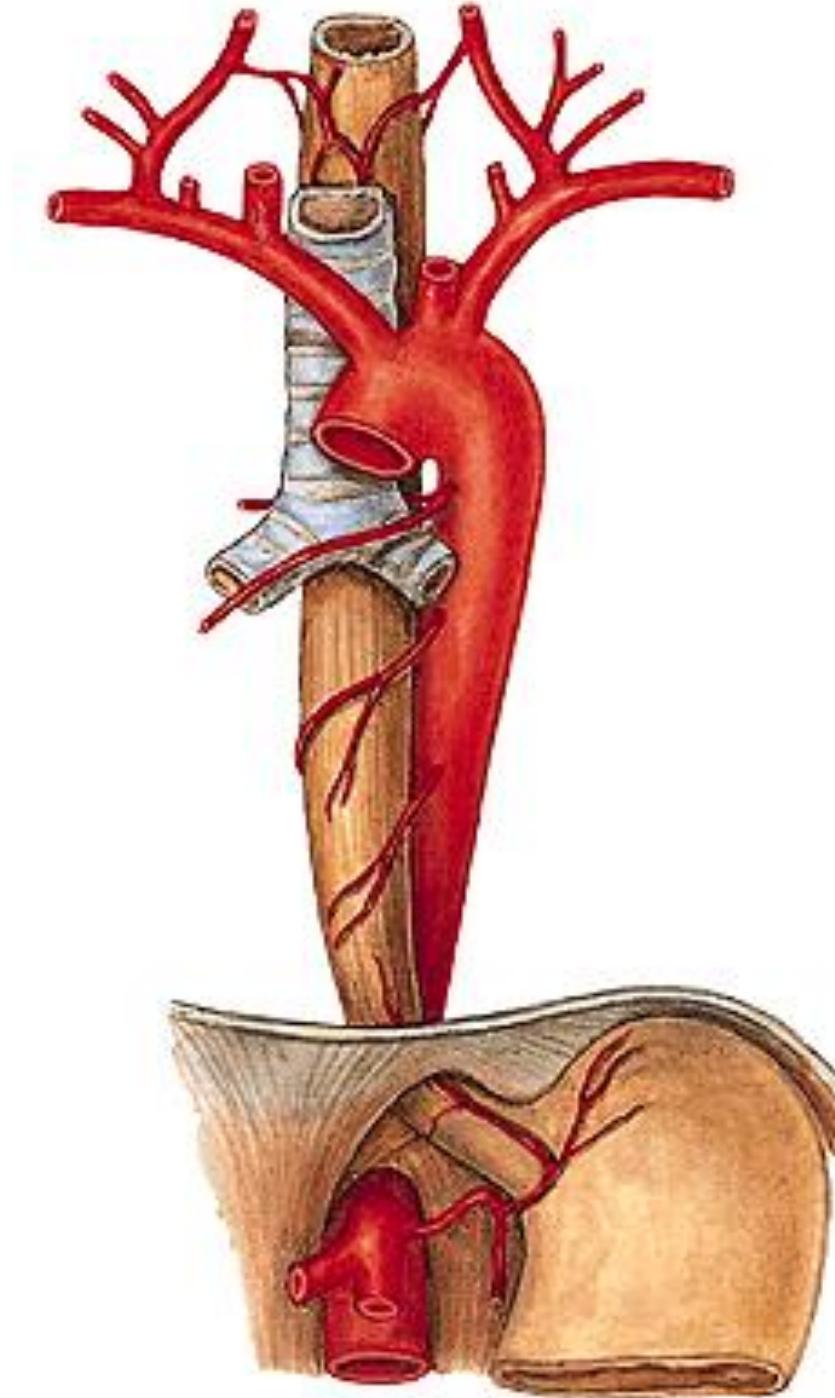
## **PARS CERVICALIS**

### **PARS THORACICA**

- PARS RETROTRACHEALIS**
- PARS RETROPERICARDIACA**

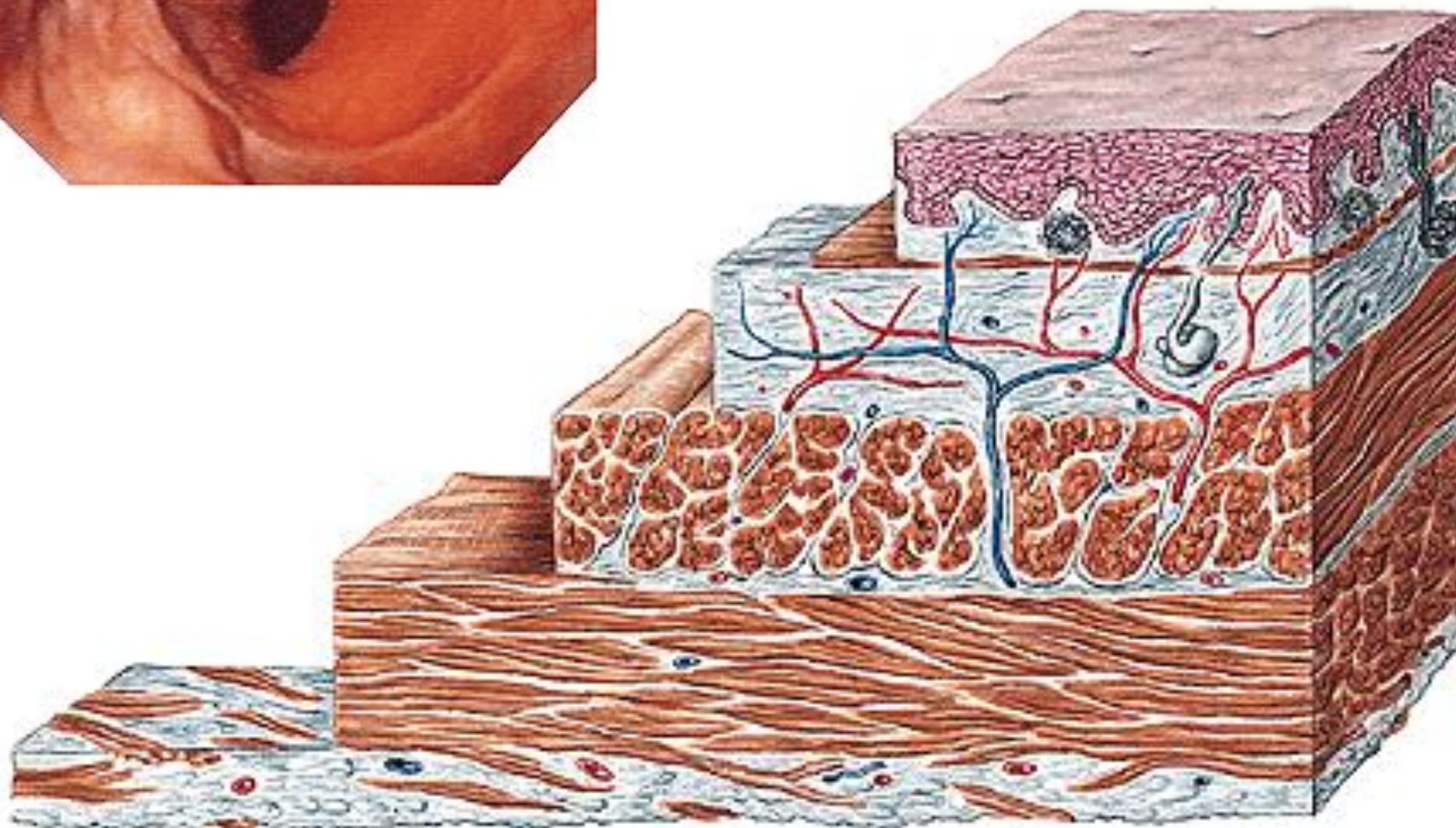


## PARS ABDOMINALIS





## GASTROOESOPHAGEAL JUNCTION

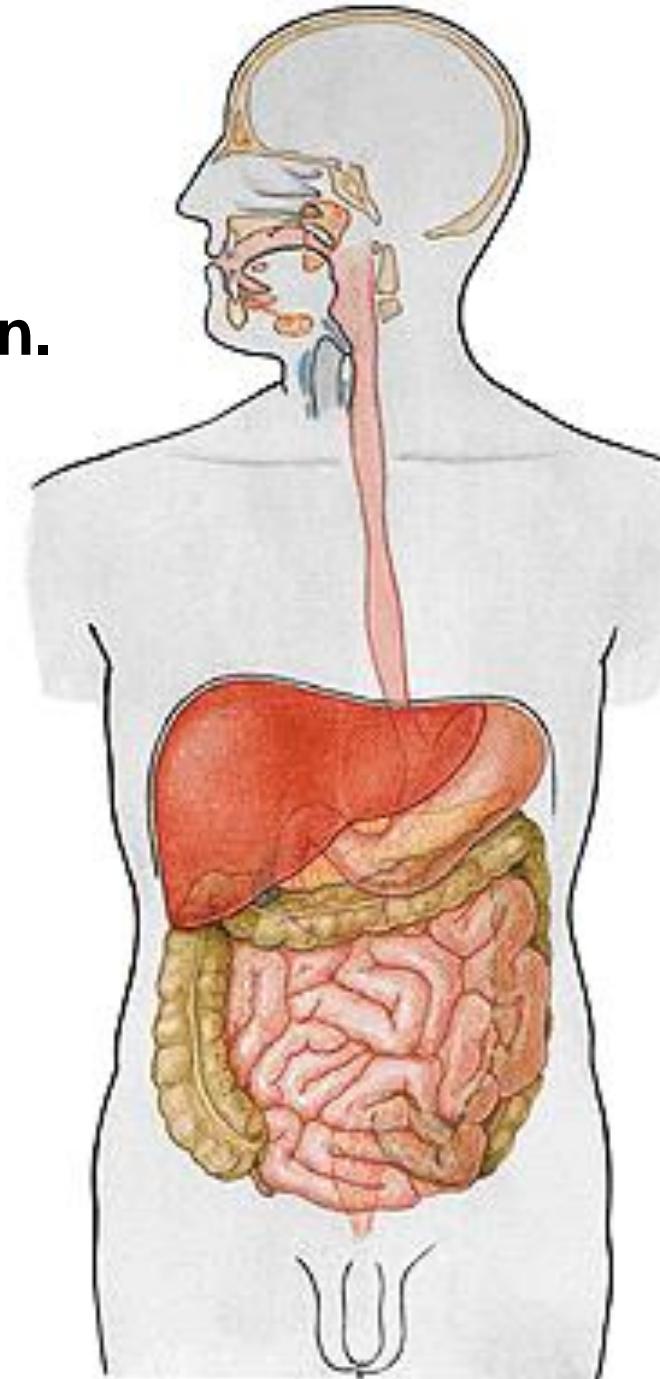


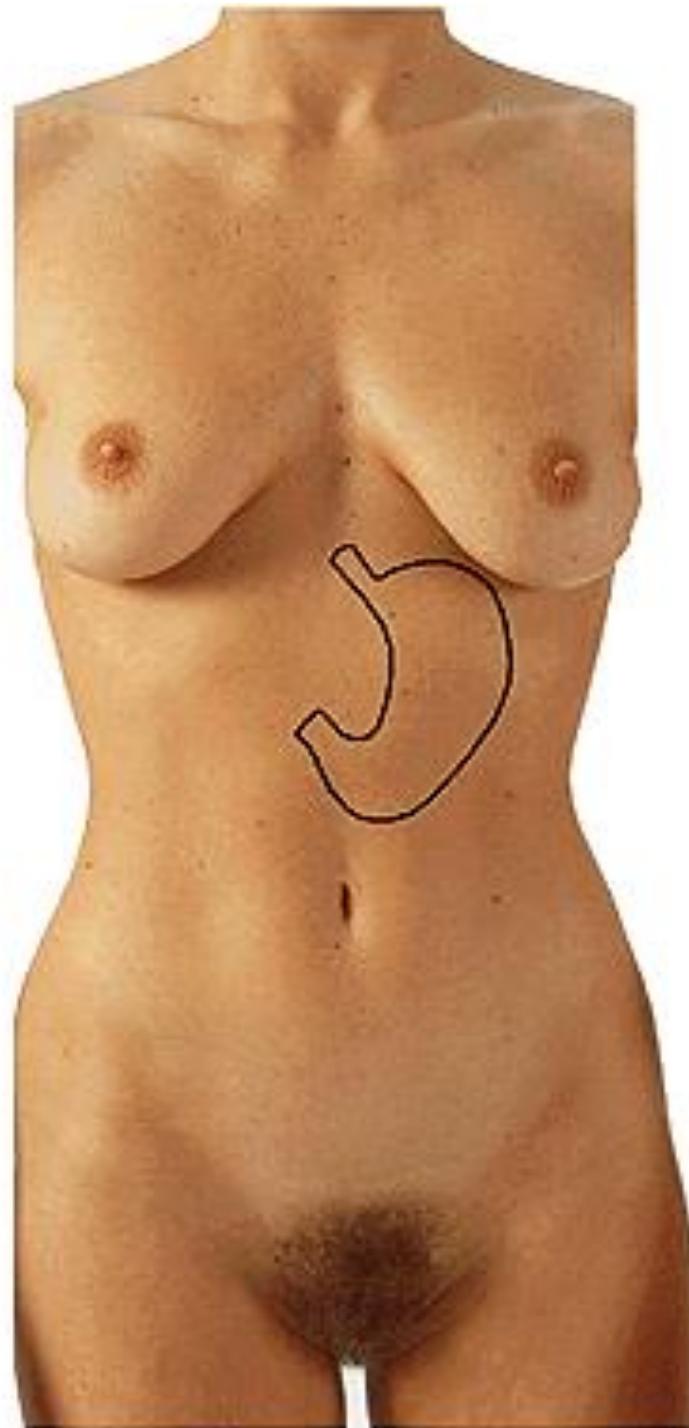
# OESOPHAGOGRAPHY



# **VENTRICULUS, GASTER**

**Regio hypochondriaca sin.**





**Cardia**

**Fornix (fundus) ventriculi**

**Incisura cardiaca**

**Corpus ventriculi**

**Pars pylorica**

**Pylorus**

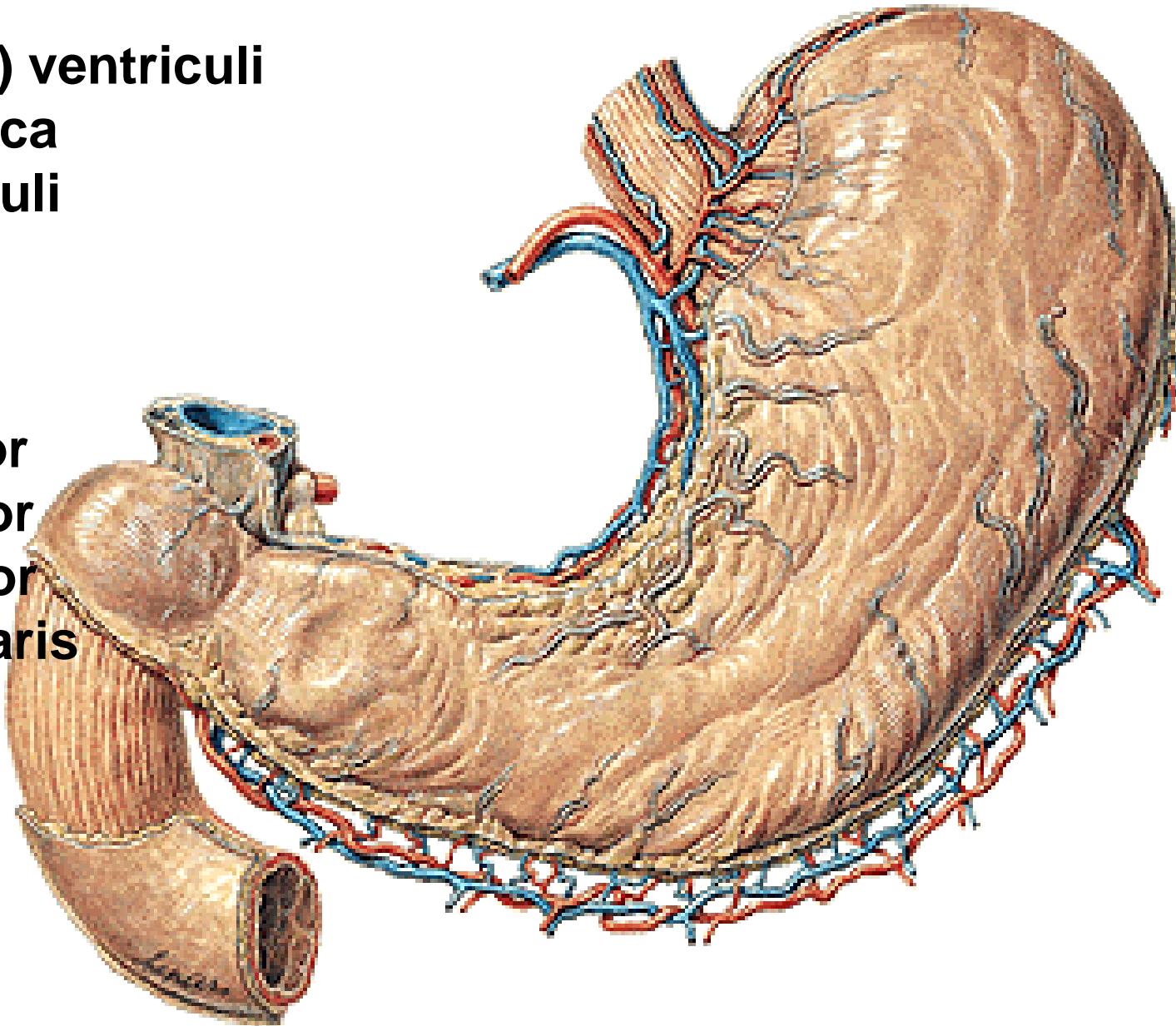
**Paries anterior**

**Paries posterior**

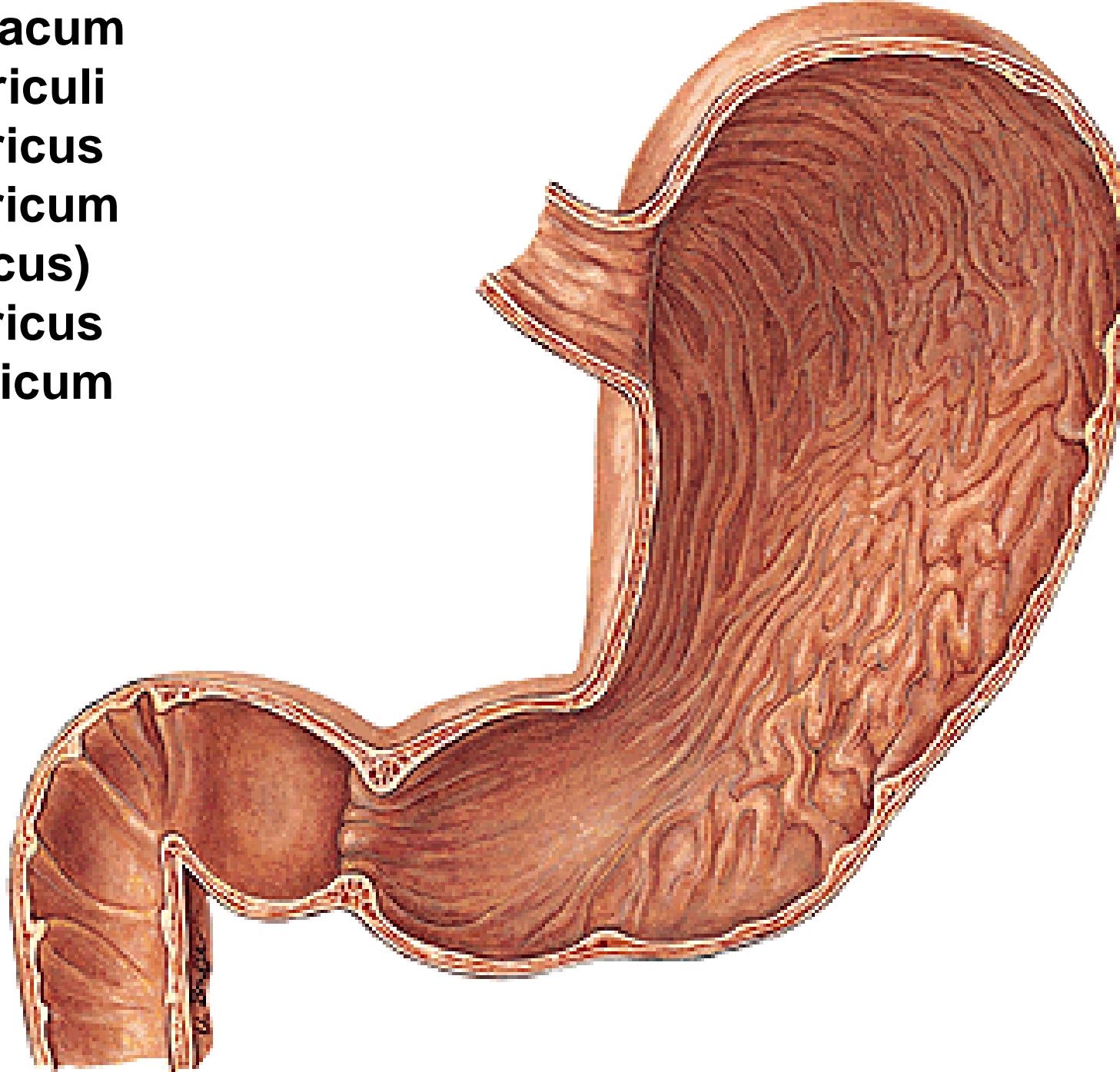
**Curvatura major**

**Curvatura minor**

**Incisura angularis**



**Ostium cardiacum**  
**Fundus ventriculi**  
**Canalis gastricus**  
**Antrum pyloricum**  
**(sinus gastricus)**  
**Canalis pyloricus**  
**Ostium pyloricum**



**Plicae gastricae**

**Sulcus salivarius**

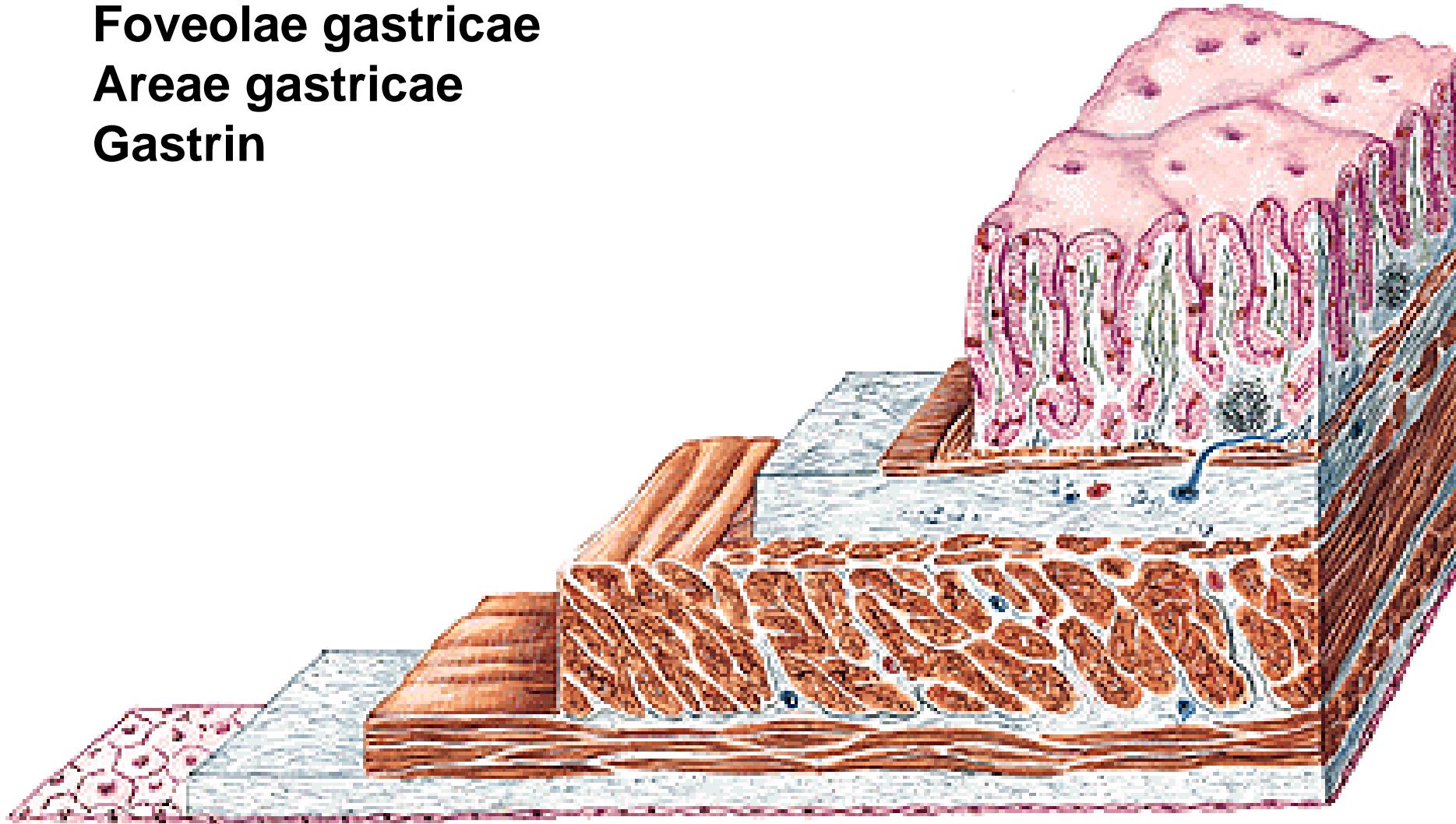
**Glandulae gastricae - mucus**

**- succus gastricus**

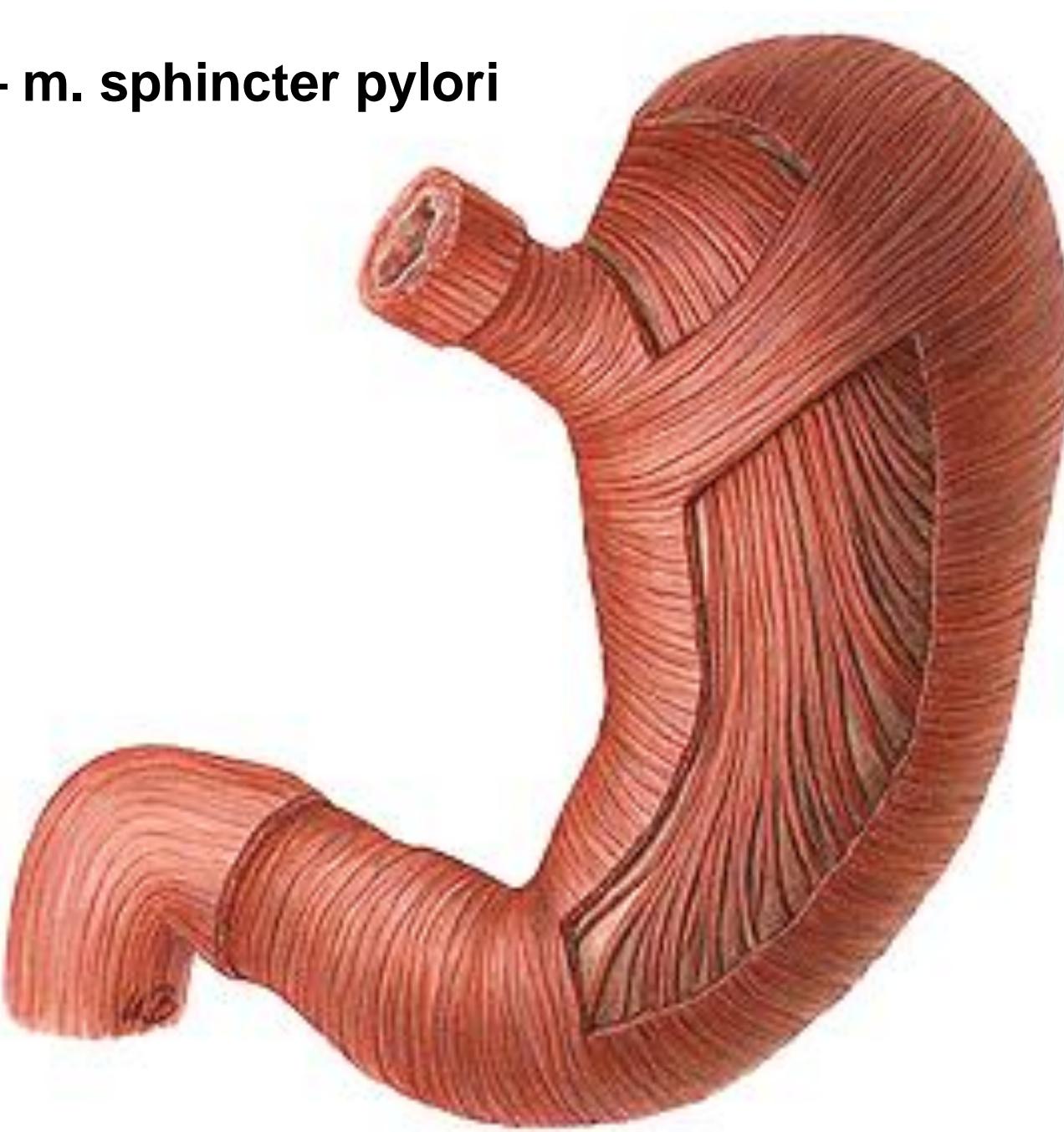
**Foveolae gastricae**

**Areae gastricae**

**Gastrin**



**Fibrae obliquae**  
**Stratum circulare – m. sphincter pylori**

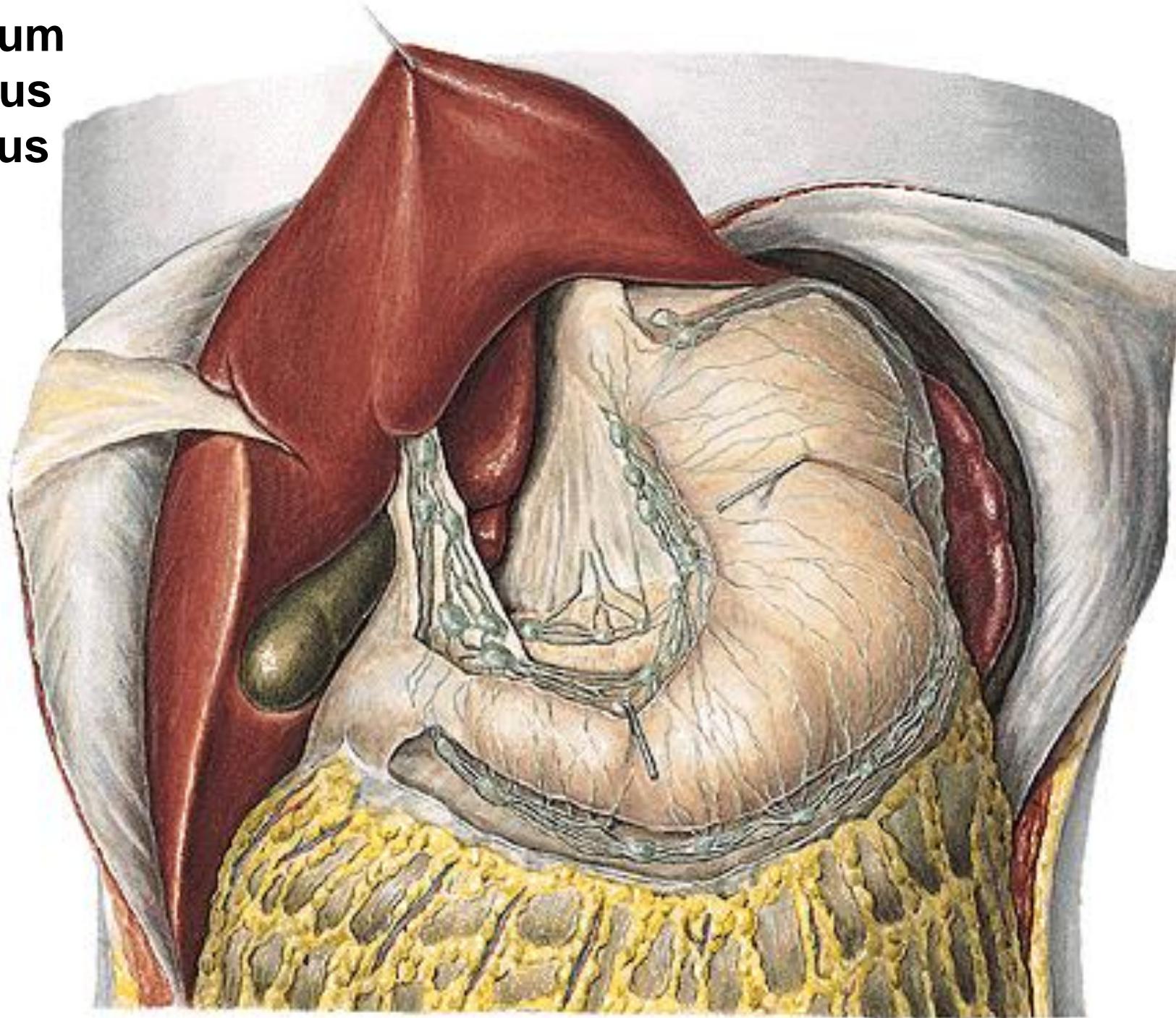


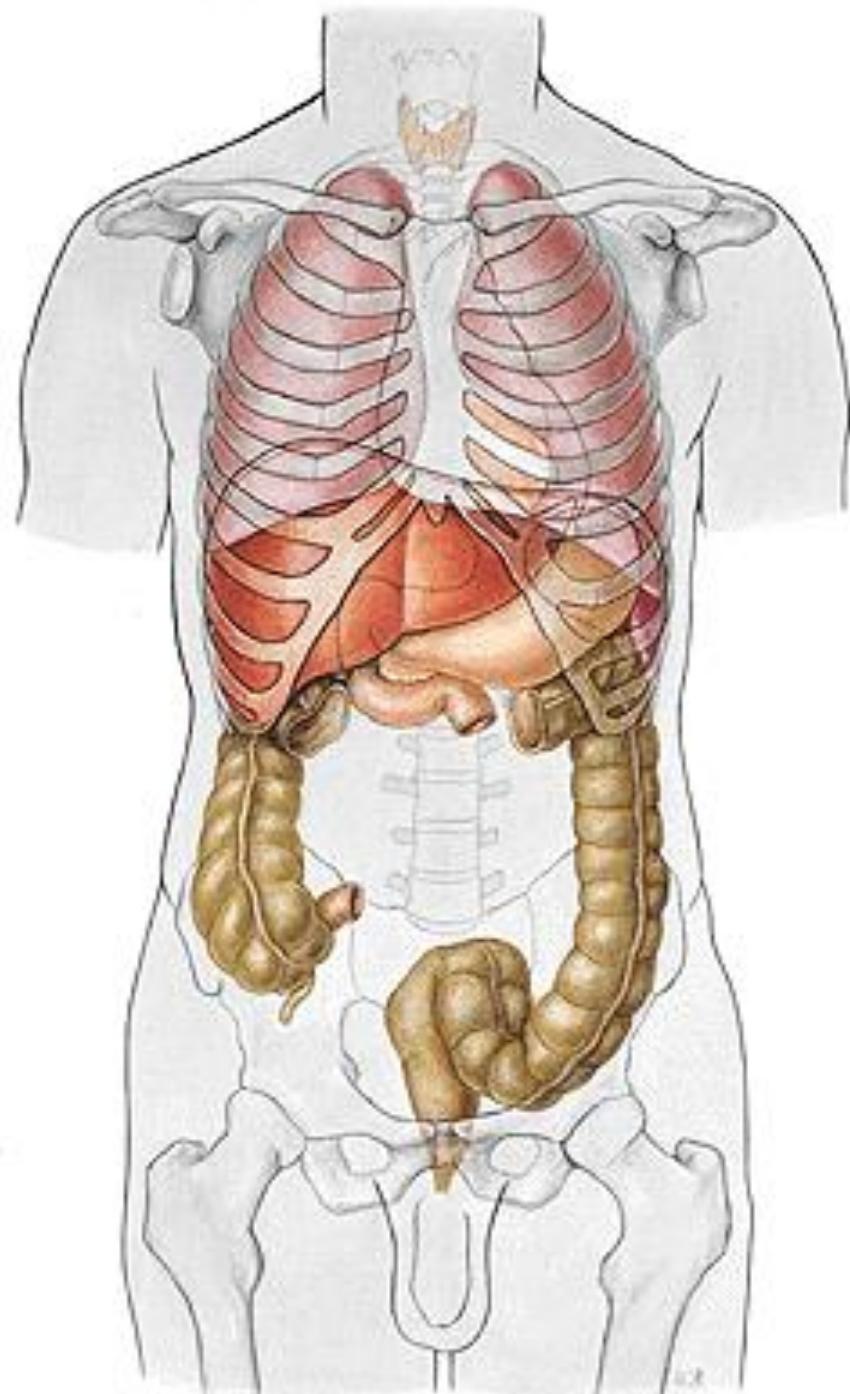
# **Stratum longitudinale**



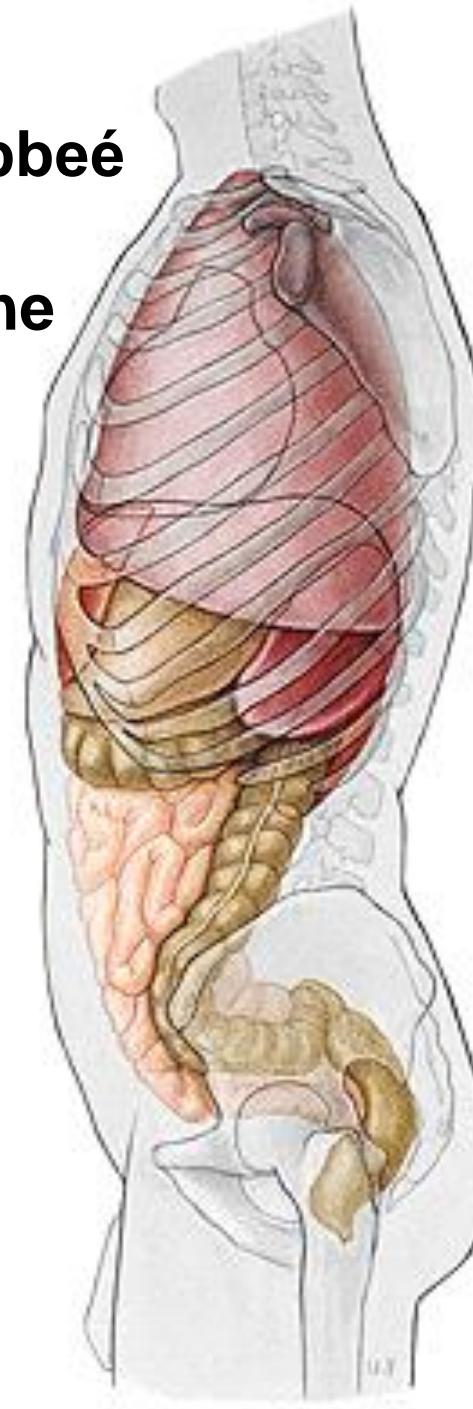
# Omentum

- minus
- majus





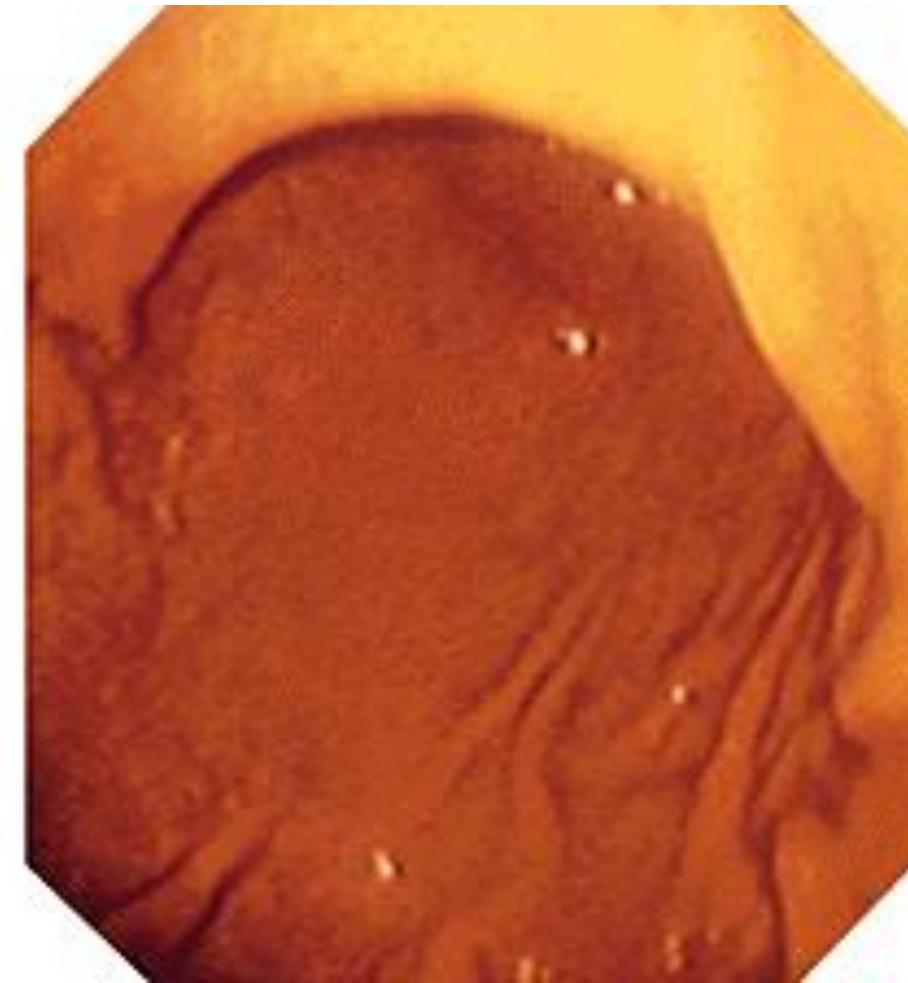
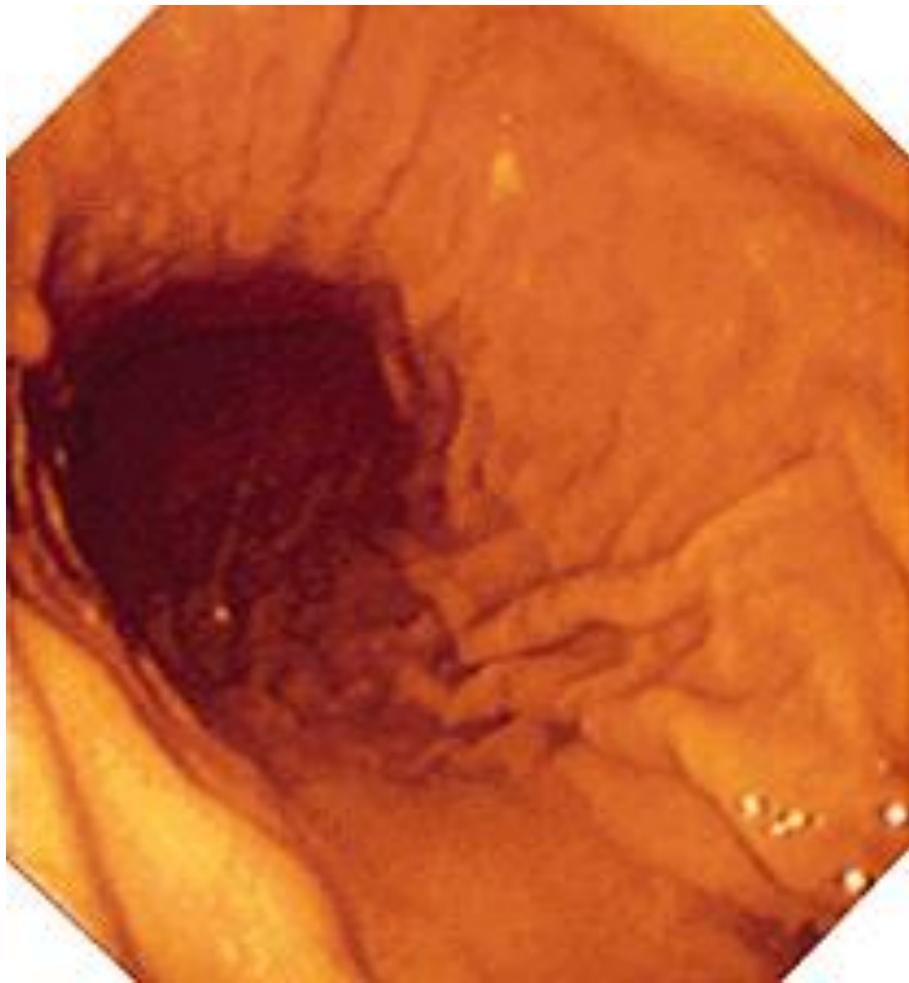
**Triangle of Labbeé**  
**transpyloric line**

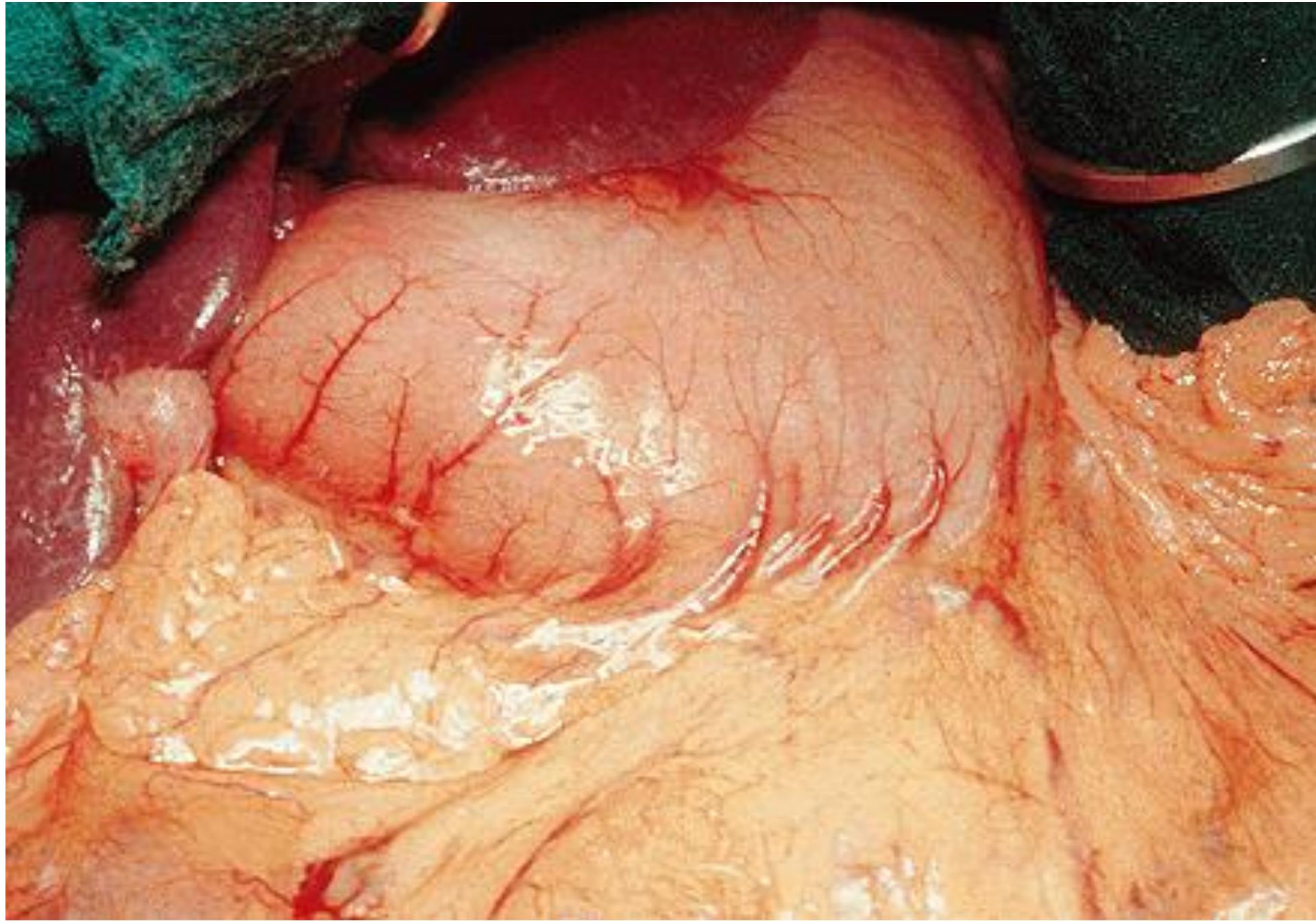


**Incisura angularis**  
**Pars digestoria**  
**Pars egestoria**



# Gastroscopy

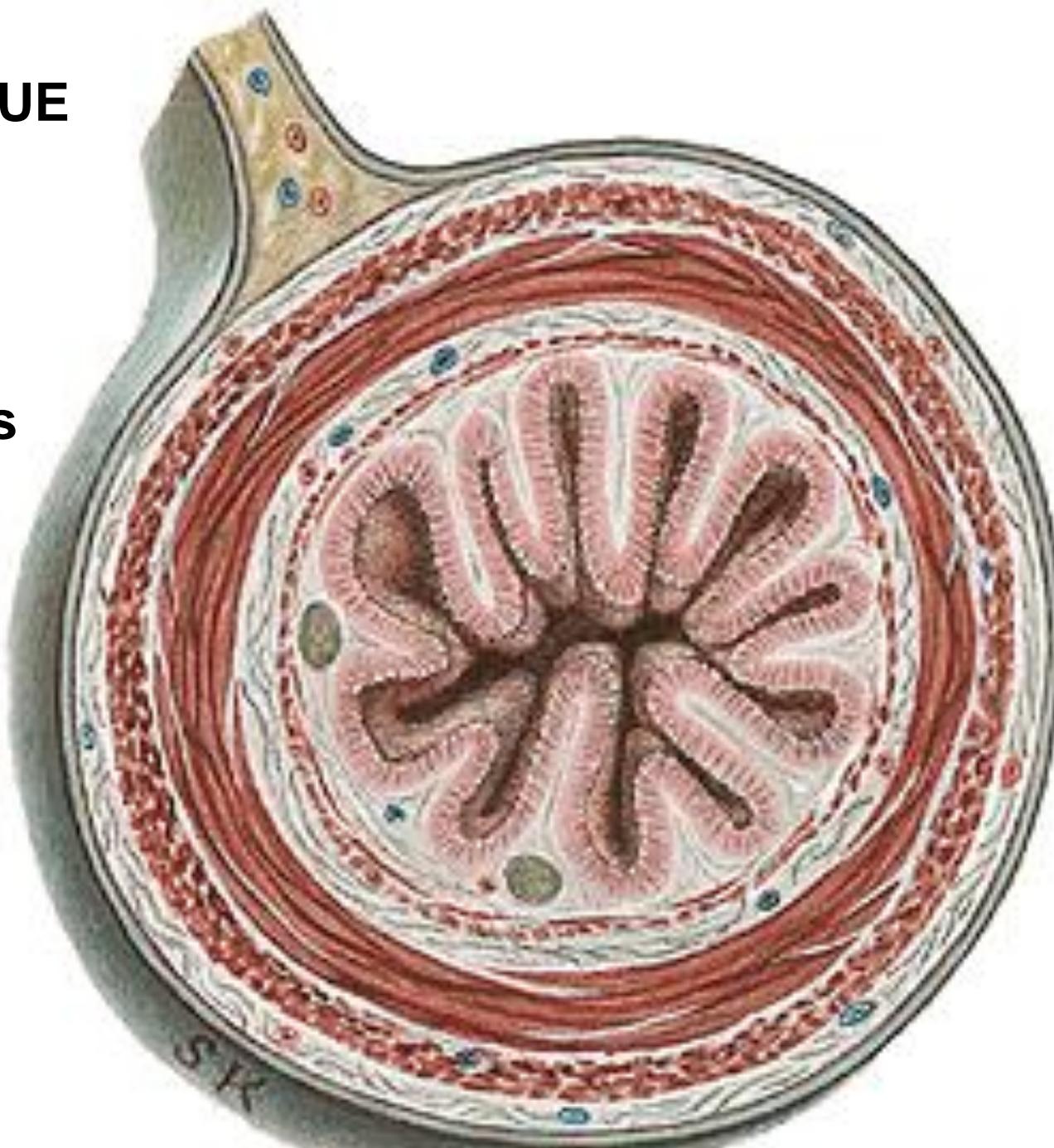




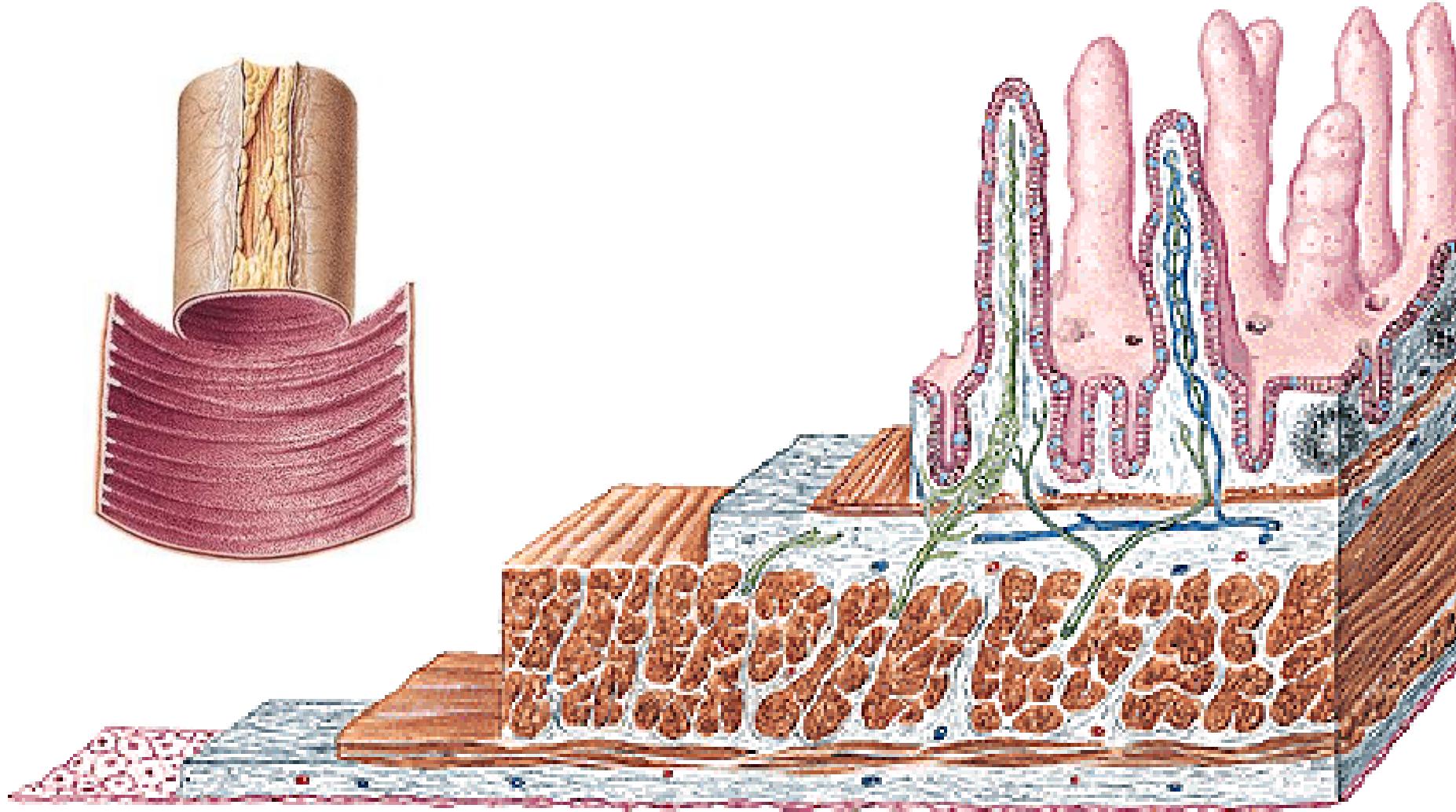
## **INTESTINUM TENUE**

- duodenum
- jejunum
- ileum

**Ansae intestinales  
Mesenterium**



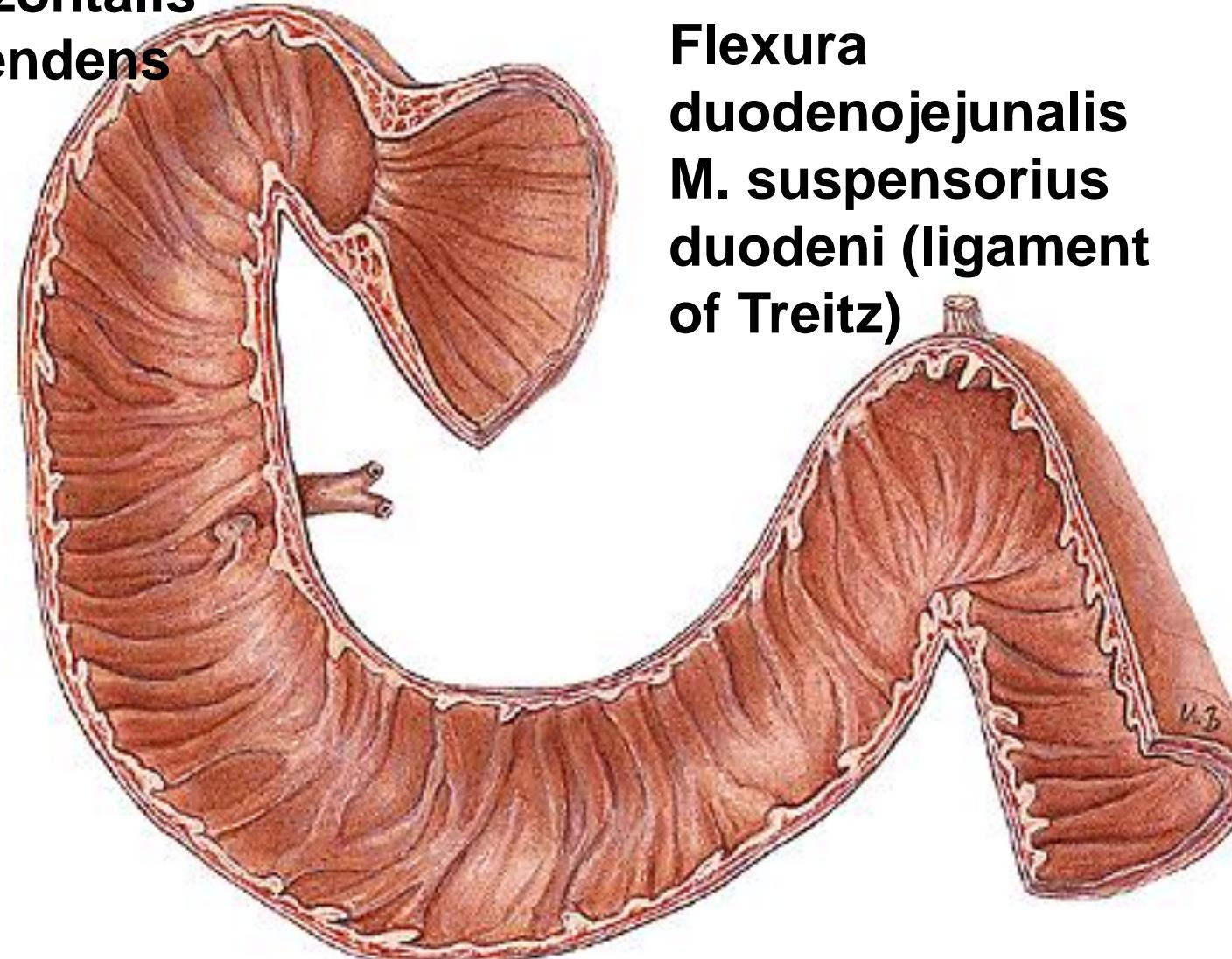
**Plicae circulares Kerkringi**  
**Villi intestinales**  
**Glandulae intestinales – crypts of Lieberkuehn**



## DUODENUM

- pars superior (bulbus duodeni), flexura duodeni sup
- pars descendens, flexura duodeni inf.
- pars horizontalis
- pars ascendens

Glandulae  
duodenales  
Brunneri

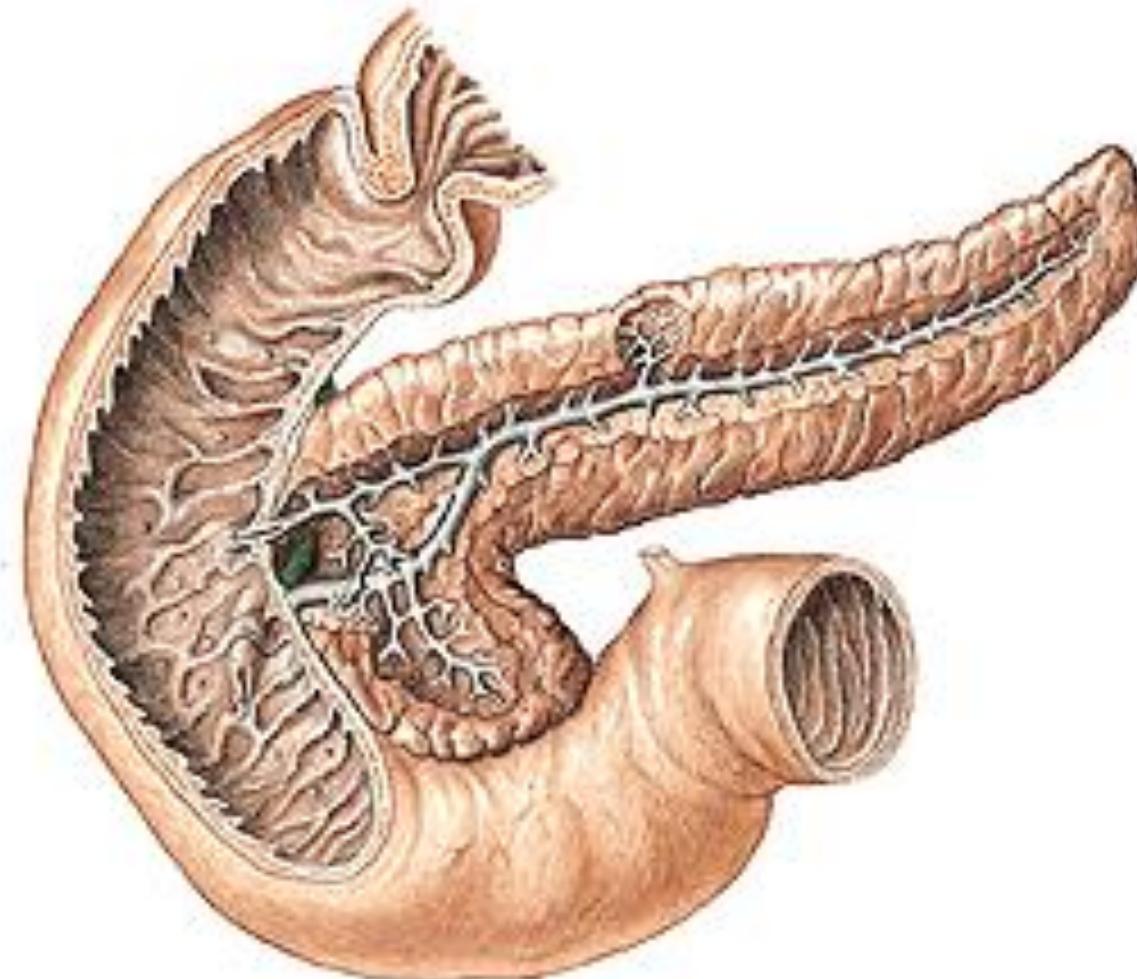


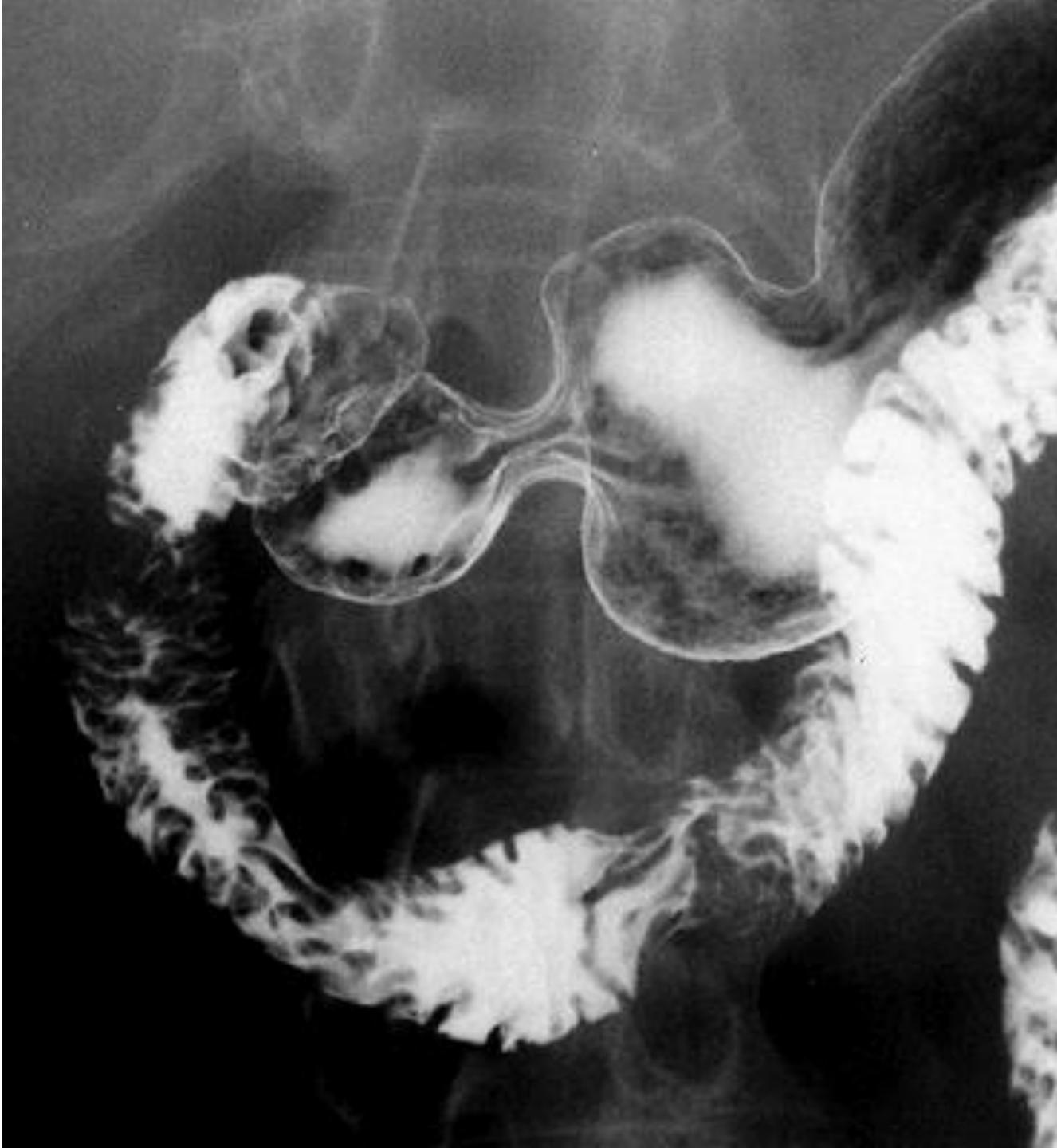
Flexura  
duodenojejunalis  
M. suspensorius  
duodeni (ligament  
of Treitz)

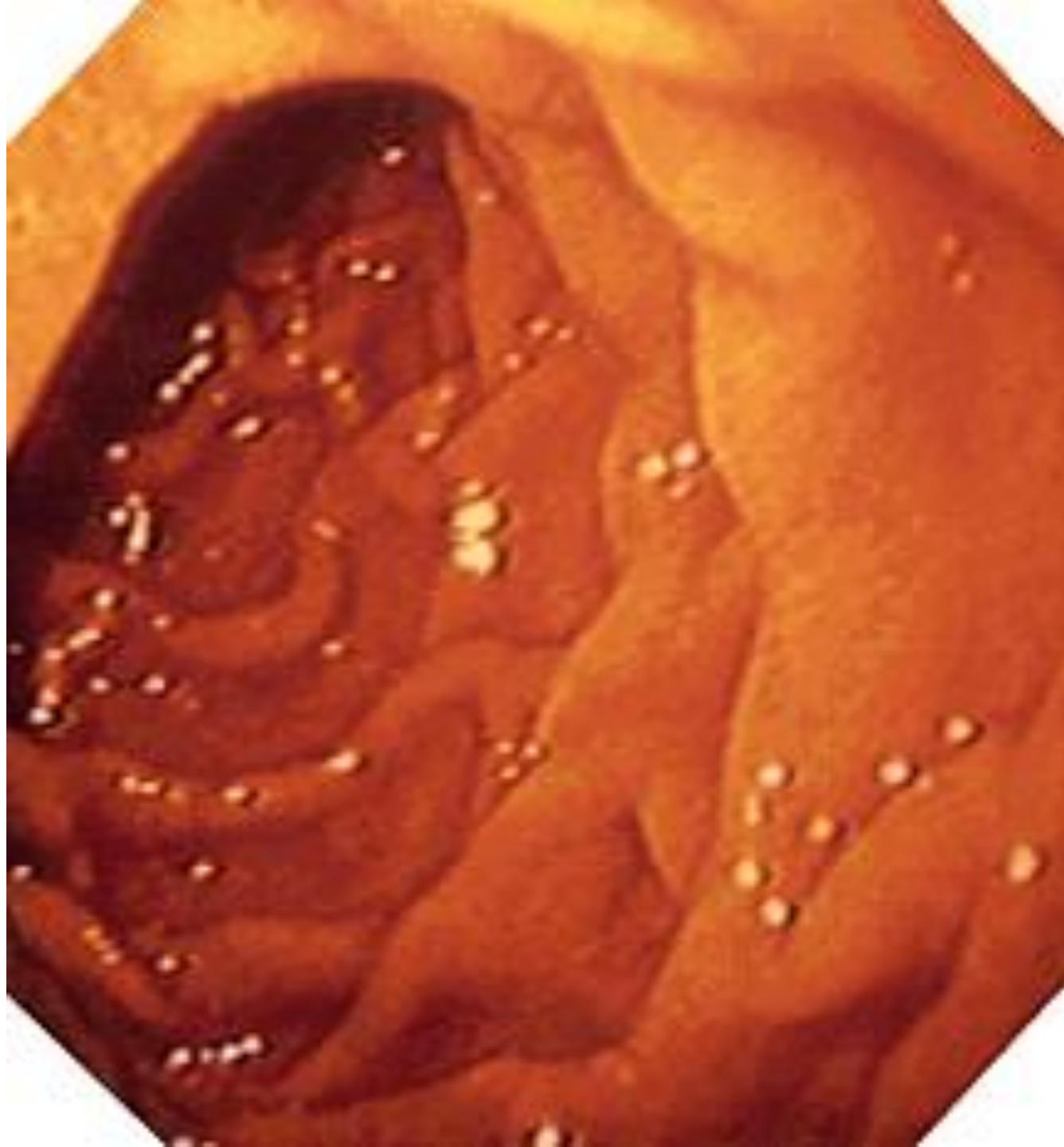
**Plica longitudinalis duodeni**

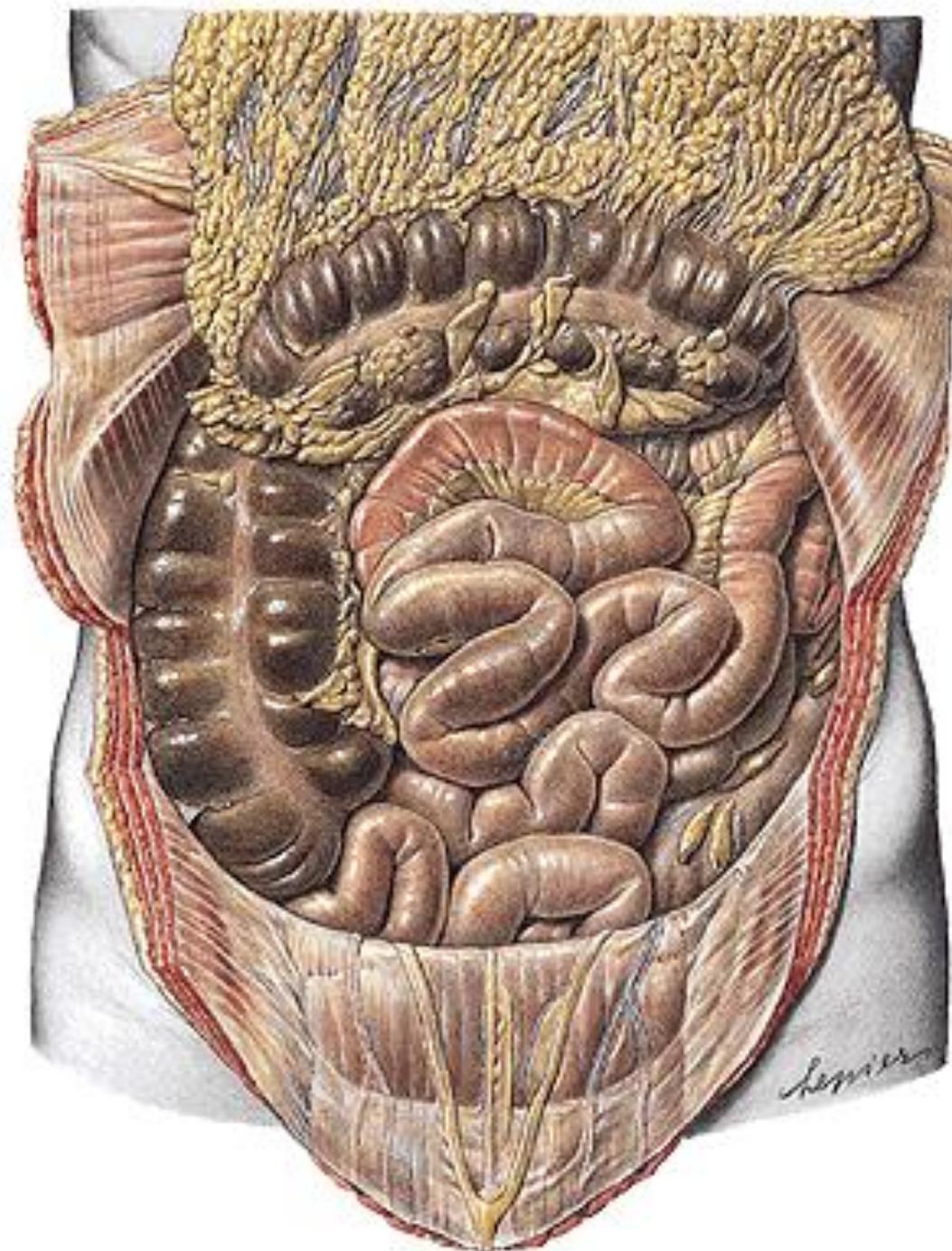
**Papilla duodeni major Vateri - ductus choledochus  
- ductus pancreaticus**

**Papilla duodeni  
minor-  
ductus  
pancreaticus  
accessorius**



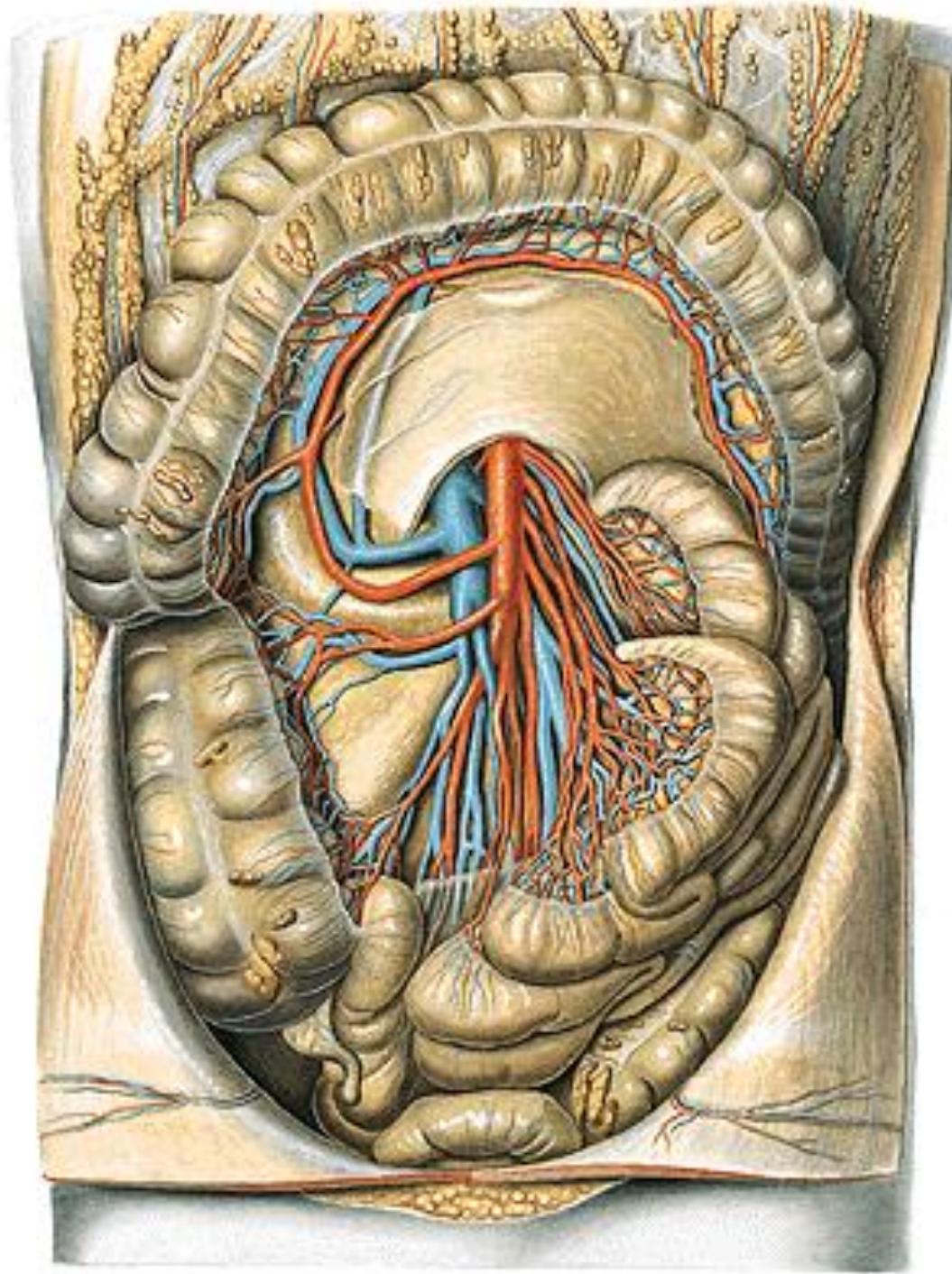


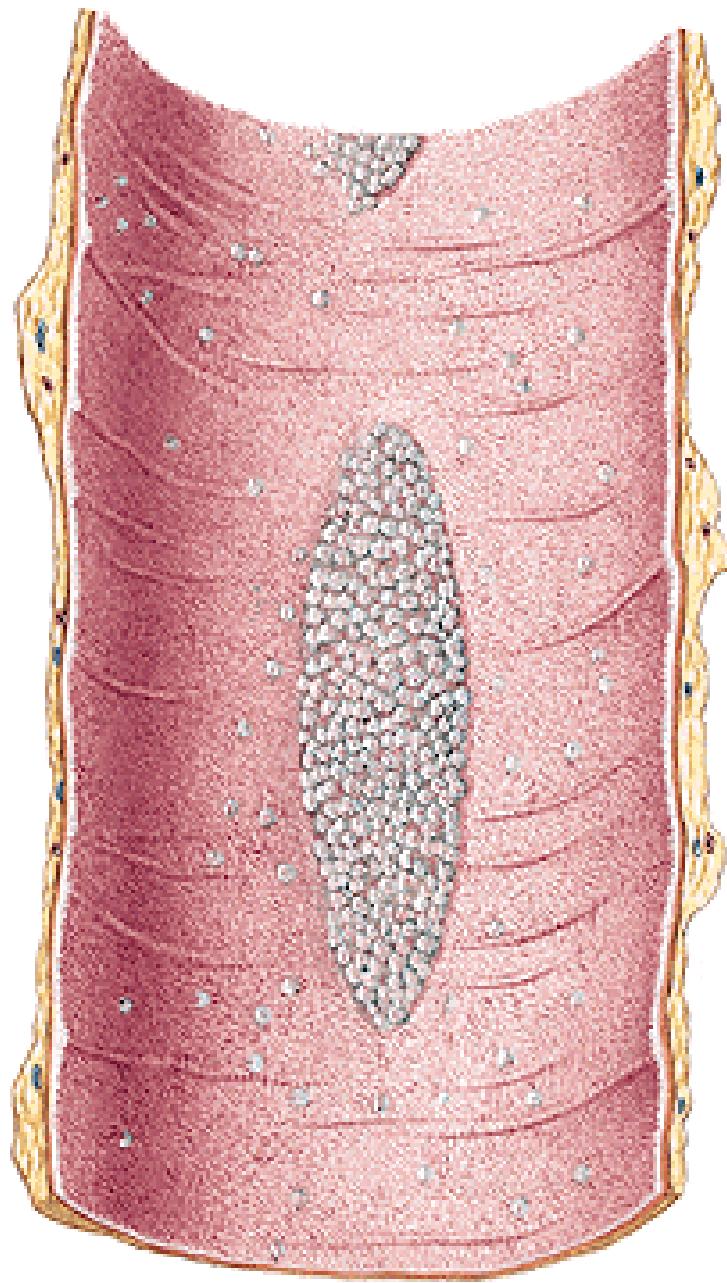
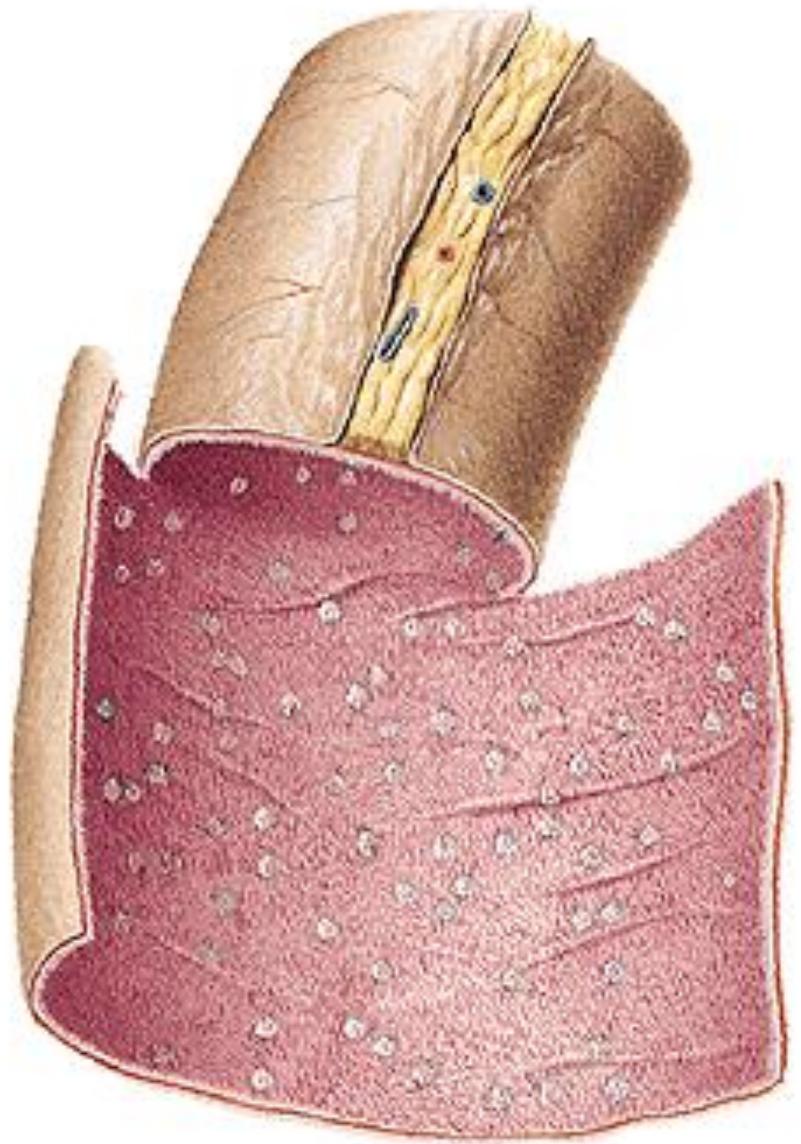




<b>JEJUNUM</b>	<b>ILEUM</b>
<b>upper left part of the infrramesocolic space</b>	<b>lower right part of the infrramesocolic space</b>
<b>wider (3-4 cm)</b>	<b>narrower (2-3 cm)</b>
<b>more plicae circulares</b>	<b>fewer plicae circulares</b>
<b>1-2 arcades</b>	<b>2-3 arcades</b>
<b>folliculi lymph. solitarii</b>	<b>folliculi lymph. aggregati</b>

## A. mesenterica sup.



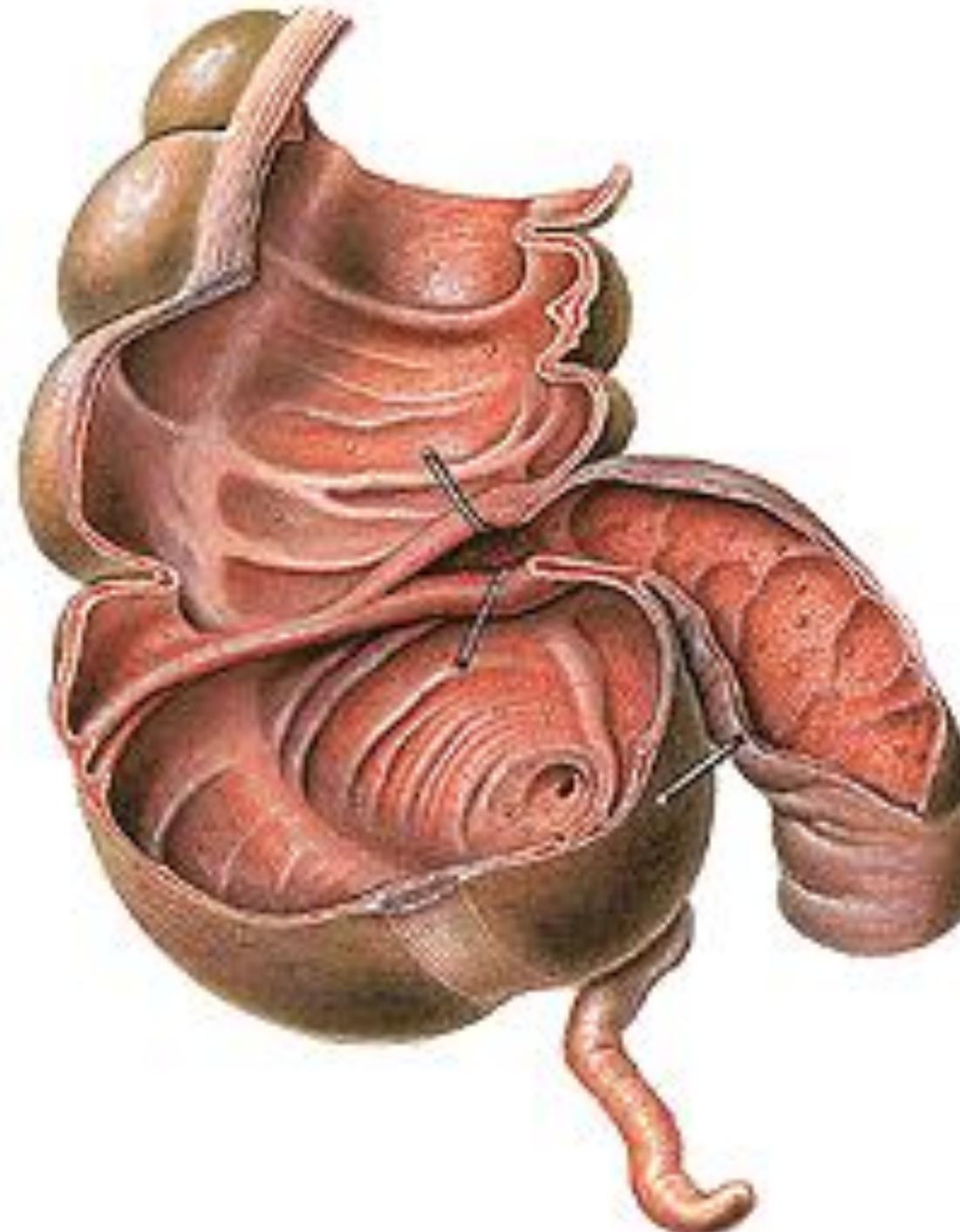


**Ostium ileocaecale**

**Valva ileocaecalis**

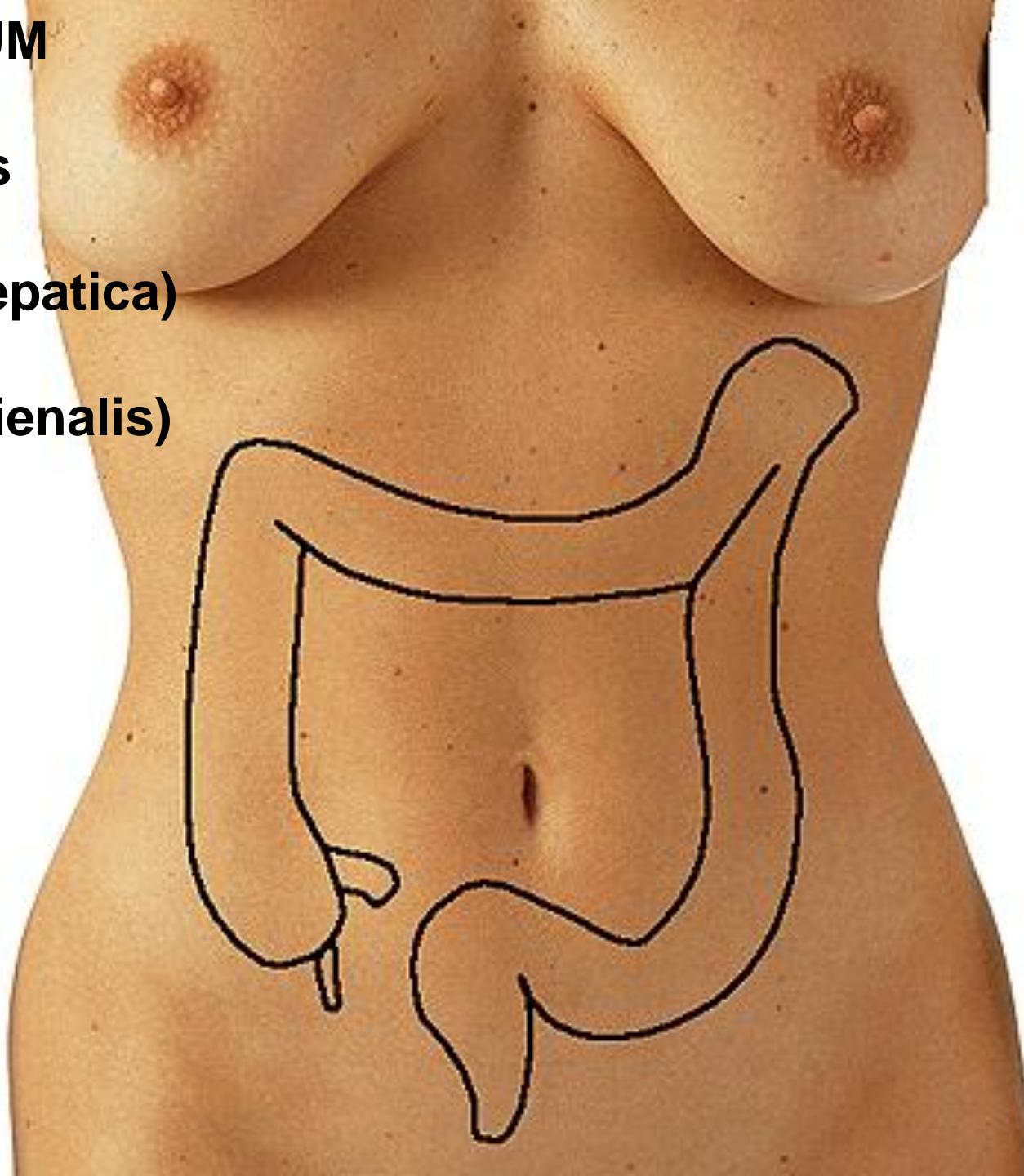
**-labium superius**

**-labium inferius**



## **INTESTINUM CRASSUM**

- intestinum caecum
- appendix vermiformis
- colon ascendens
- flexura coli dextra (hepatica)
- colon transversum
- flexura coli sinistra (lienalis)
- colon descendens
- colon sigmoideum
- rectum



**Plicae semilunares**

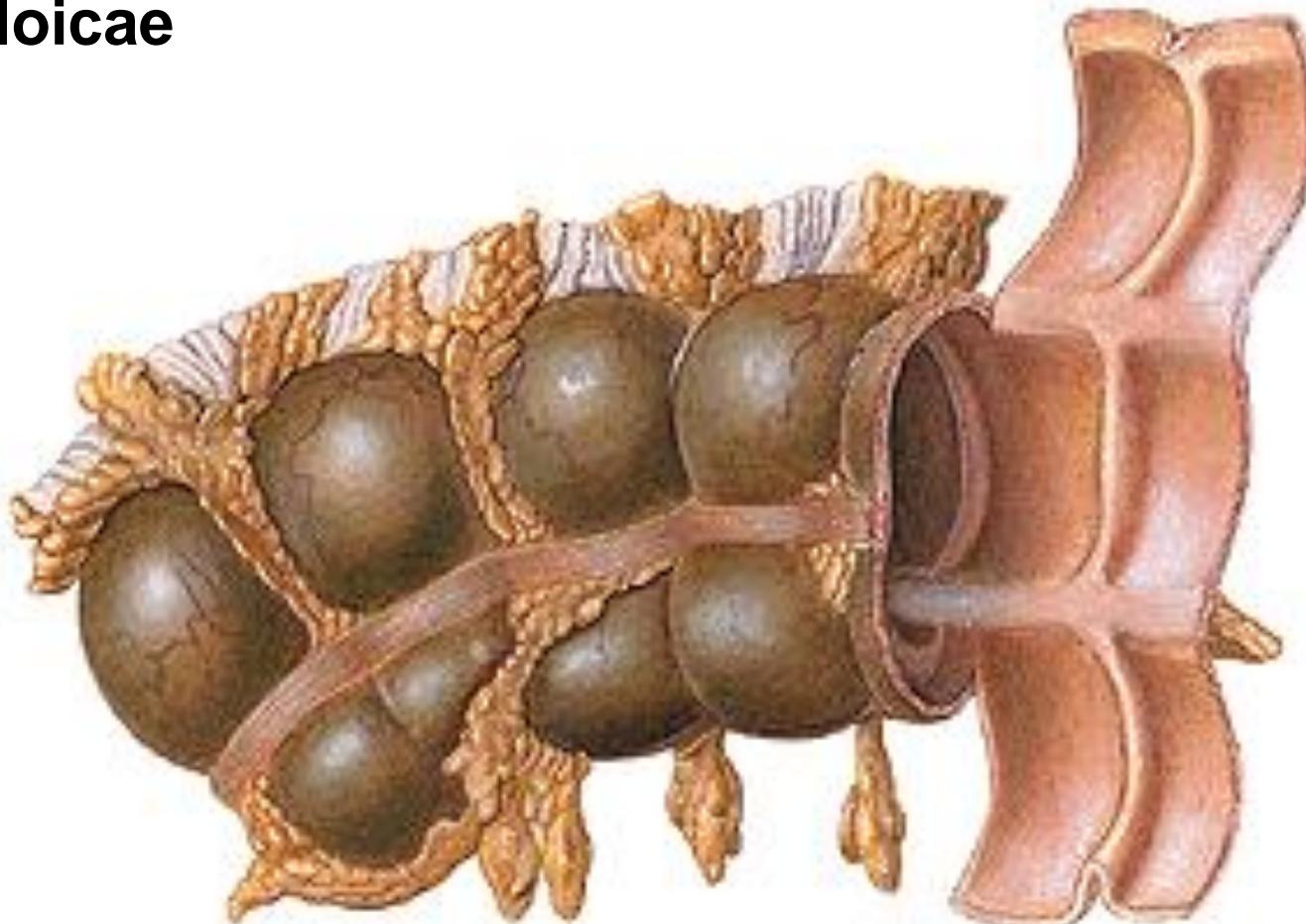
**Haustra coli**

**Taenia mesocolica**

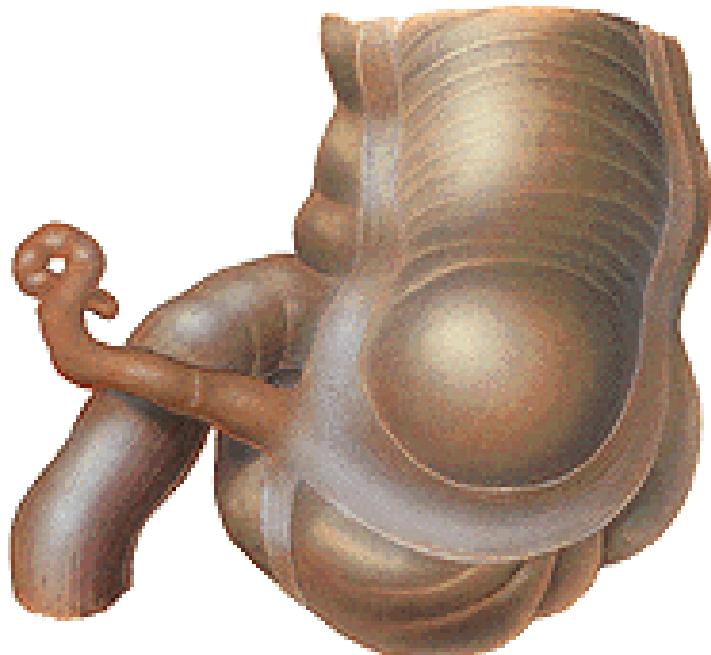
**Taenia omentalis**

**Taenia libera**

**Appendices epiploicae**



# INTESTINUM CAECUM



# APPENDIX VERMIFORMIS

**ostium appendicis veriformis**

**valva appendicis veriformis**

**Positio pelvina**

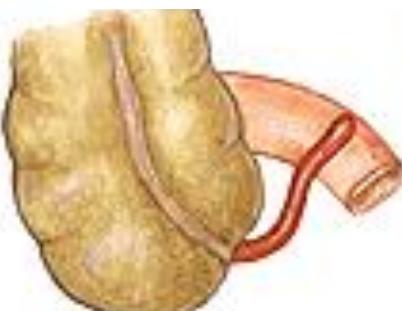
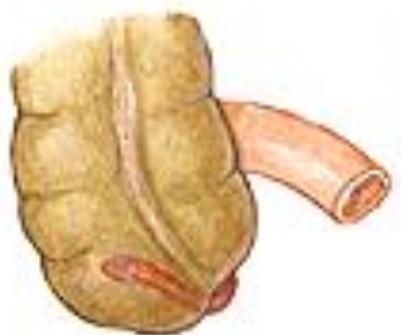
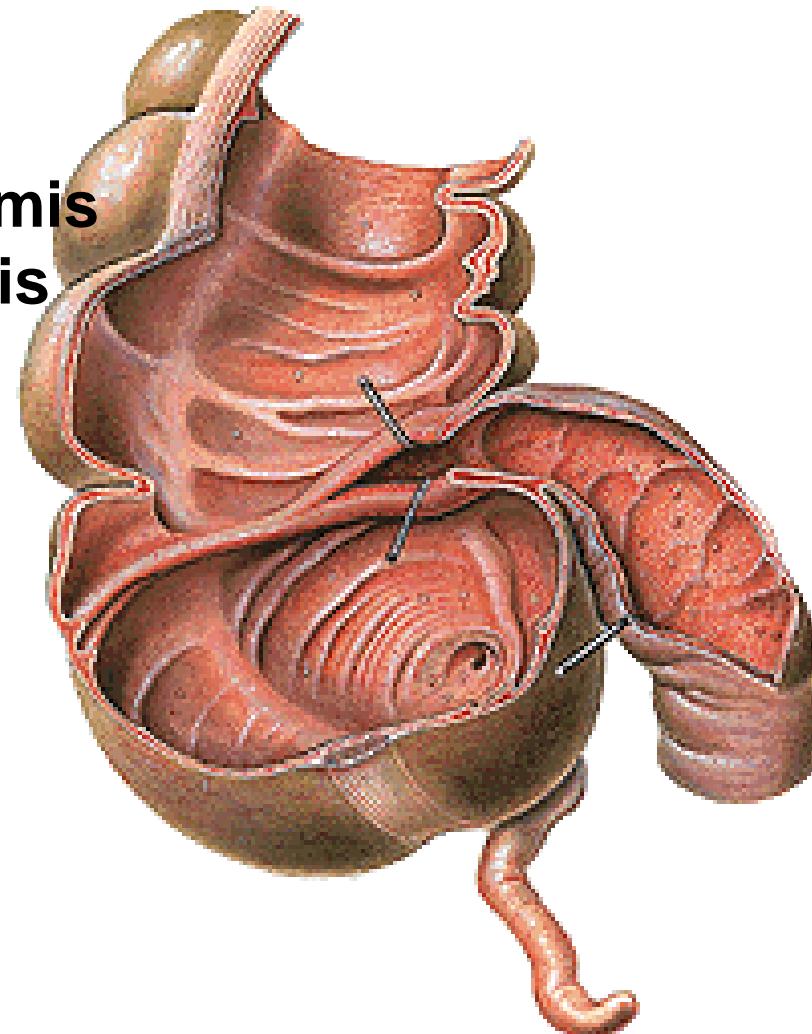
- lig. appendiculoovaricum

**Positio retrocaecalis**

**Positio ileocaecalis**

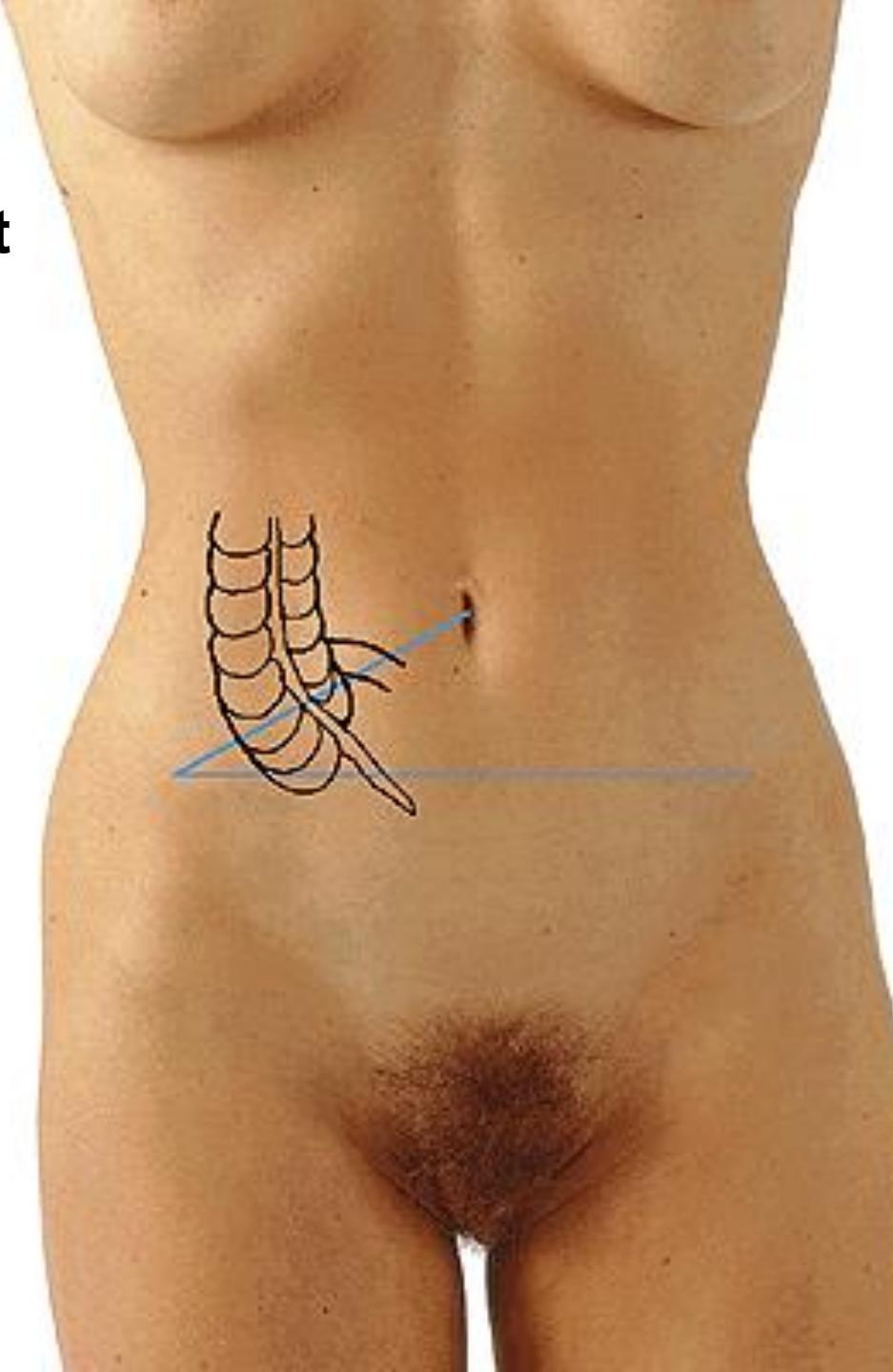
**Positio retroilealis**

**Positio praecaecalis**



**Linea spinoumbilicalis dextra**  
**(Monro) - MacBurney's point**  
**Linea bispinalis – Lanz's point**

**Tonsilla abdominalis**



**COLON ASCENDENS**  
**Flexura coli dextra**  
**(hepatica)**



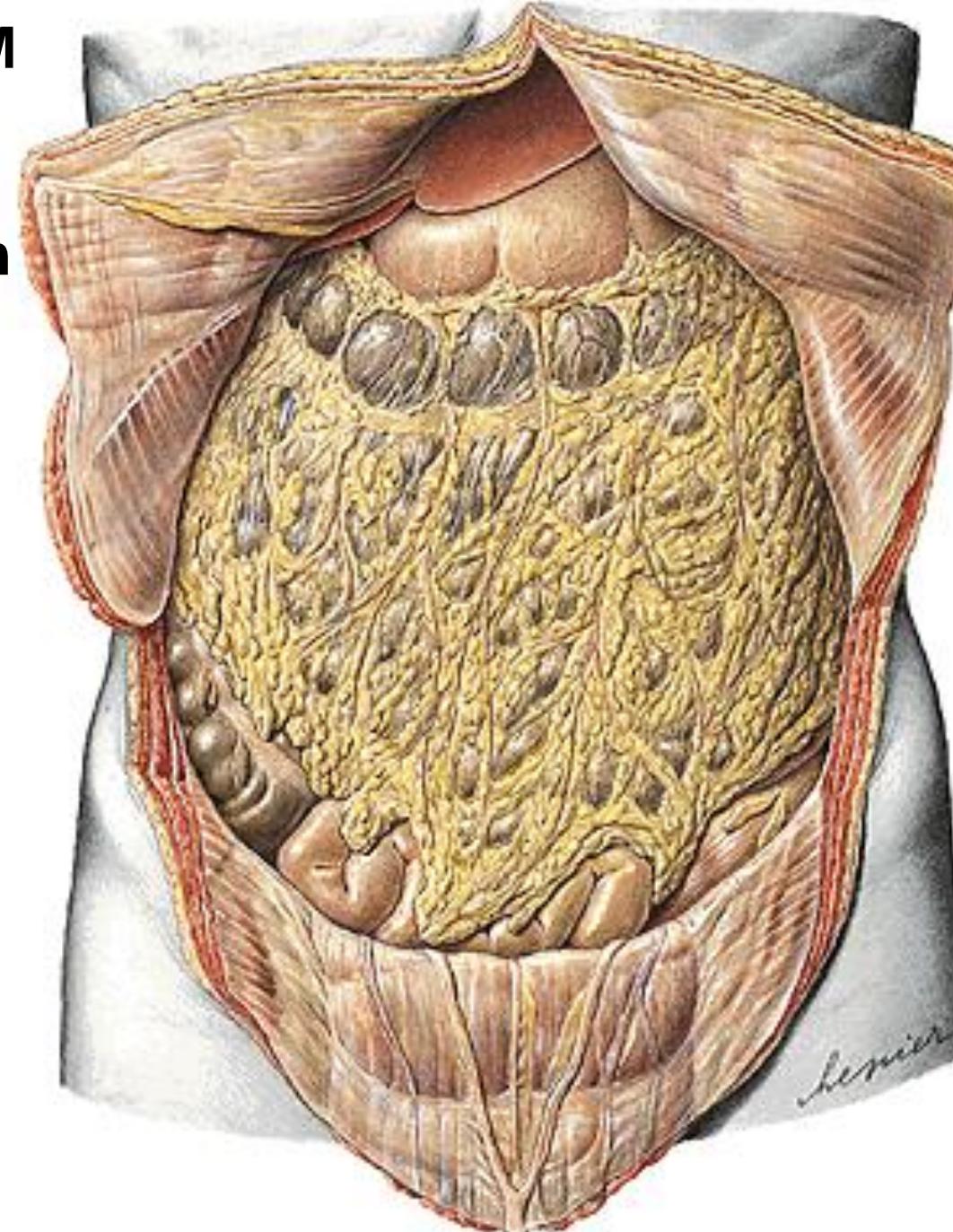
**COLON TRANSVERSUM**

**Flexura coli sinistra  
(lienalis)**

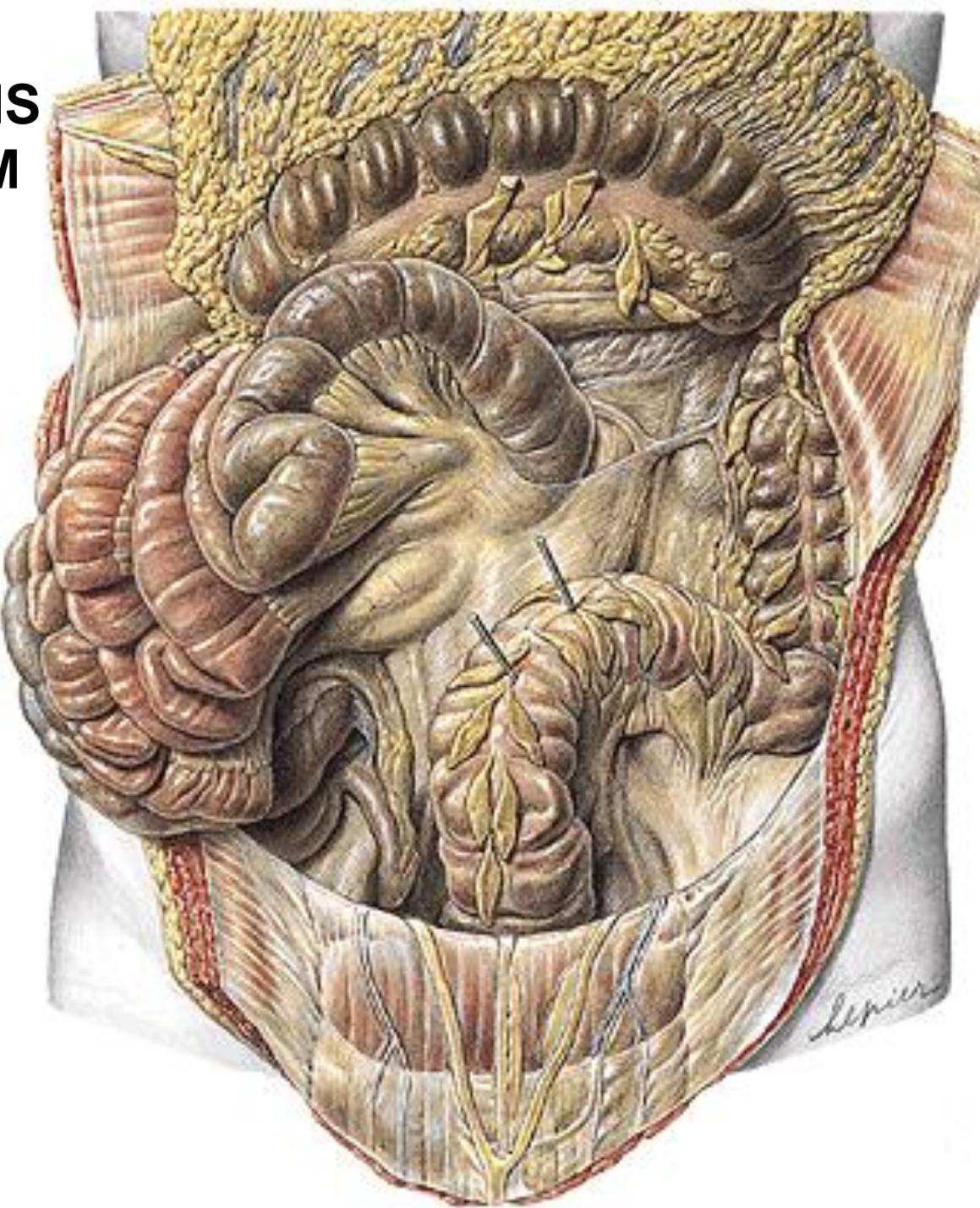
**Mesocolon transversum**

**Omentum majus**

**Lig. gastrocolicum**



**COLON DESCENDENS**  
**COLON SIGMOIDEUM**  
**Mesosigmoideum**



Irigography

DCBE



# RECTUM

**Crena ani – anus**

**Ampulla recti**

- **flexura sacralis**

- **plicae transversae recti**

- **plica t.r. media (Kohlrausch)**

**Canalis analis**

- **flexura perinealis**

- **linea anorectalis**

- **columnae anales**

- **sinus anales**

- **valvulae anales**

- **pecten analis**

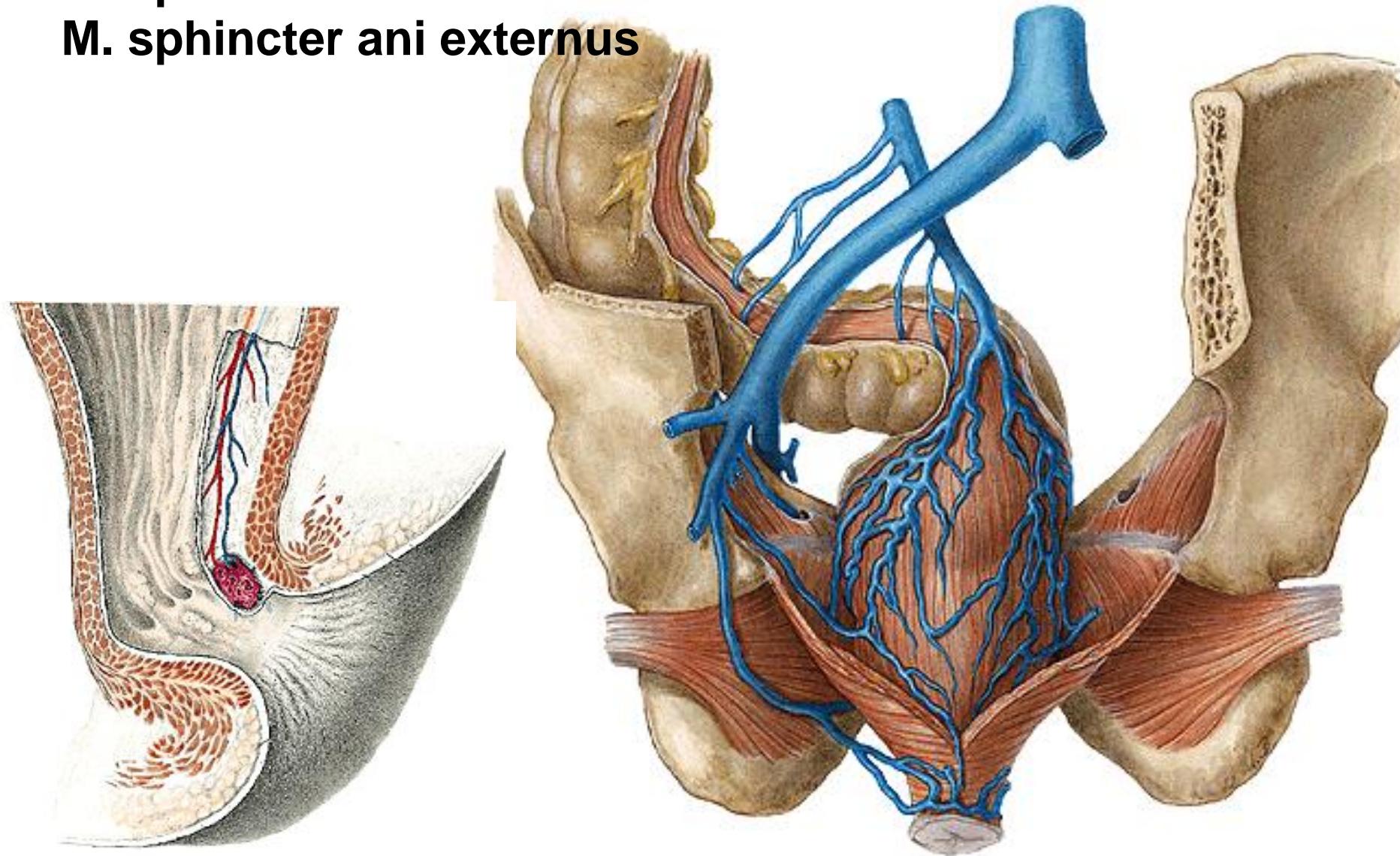
- **linea anocutanea**

- **zona haemorrhoidalis**

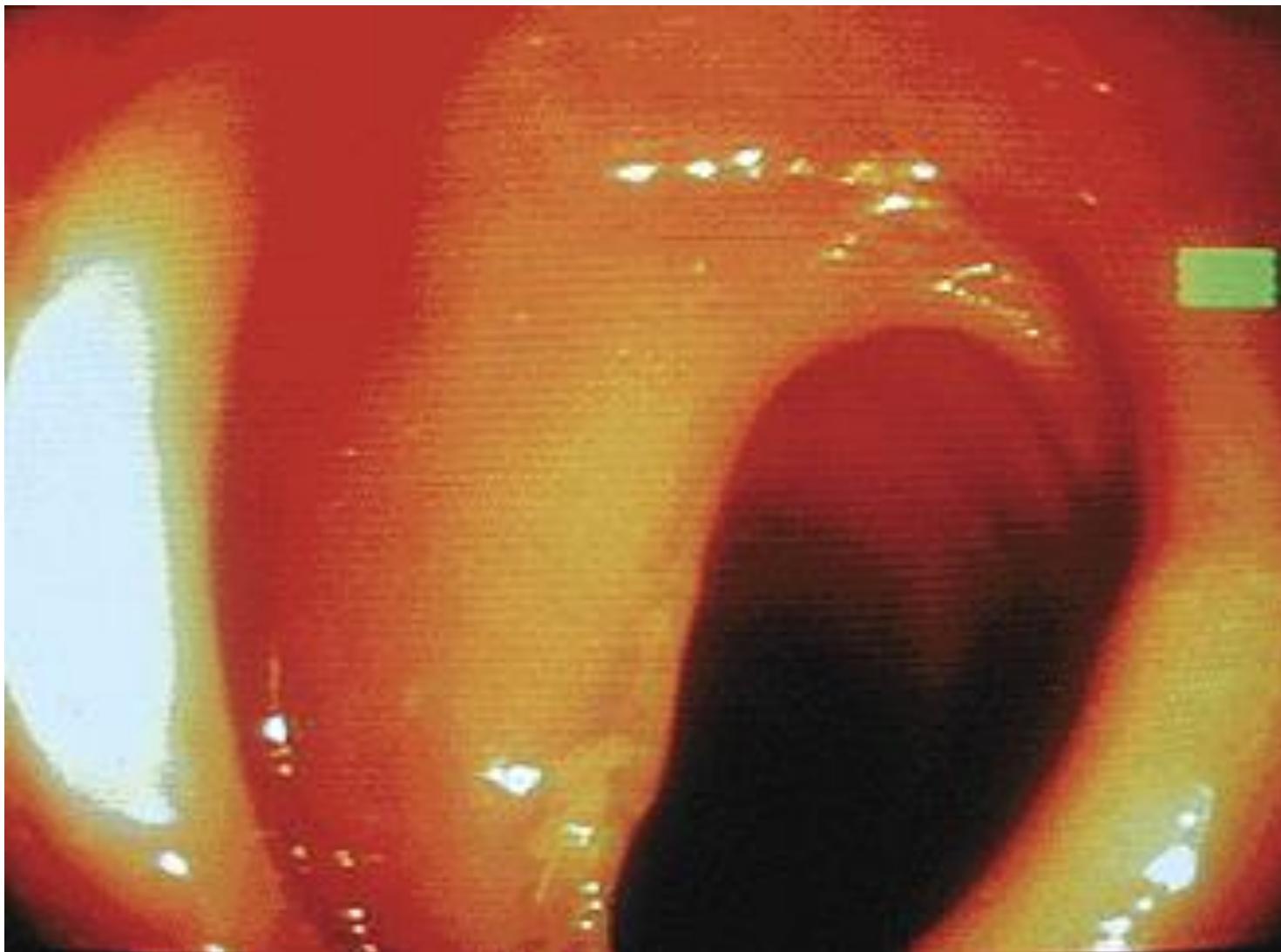


## **Plexus venosus rectalis**

**M. sphincter ani internus**  
**M. sphincter ani externus**



# Rectoscopy



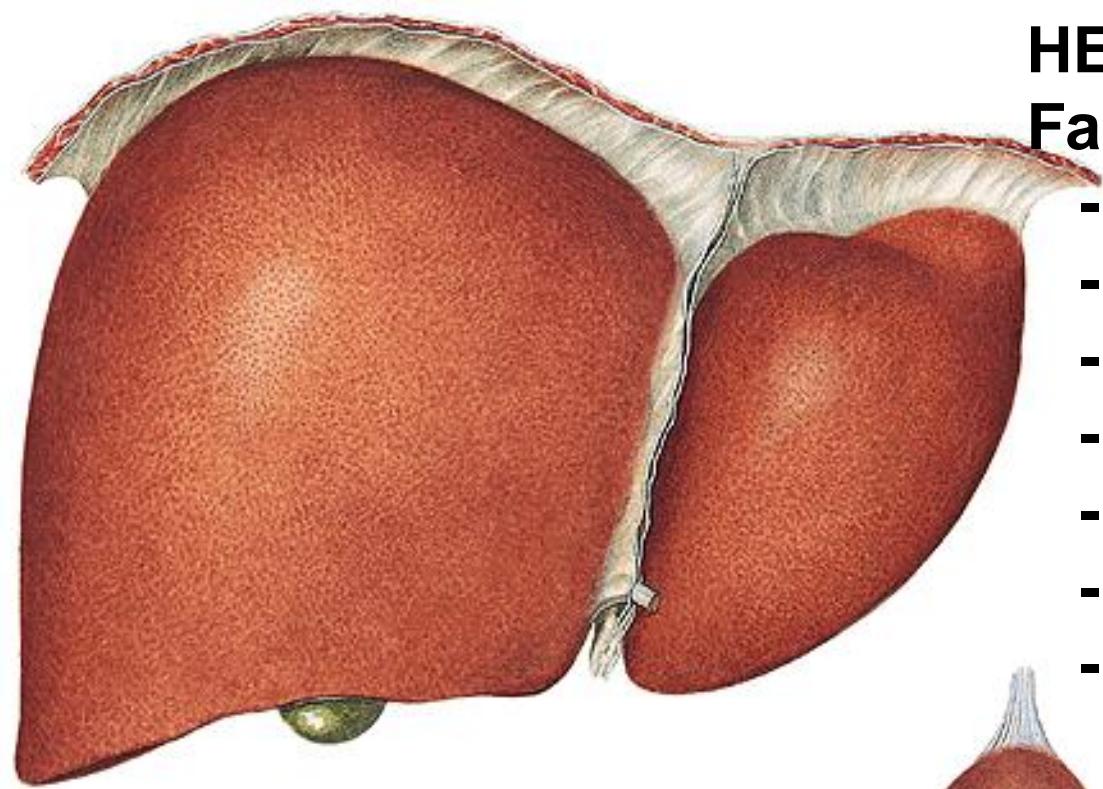
# **DIGESTIVE SYSTEM III.**

## **Liver, pancreas, spleen, peritoneum**

**Liver**

**Regio hypochondriaca dx. + regio epigastrica**





## HEPAR

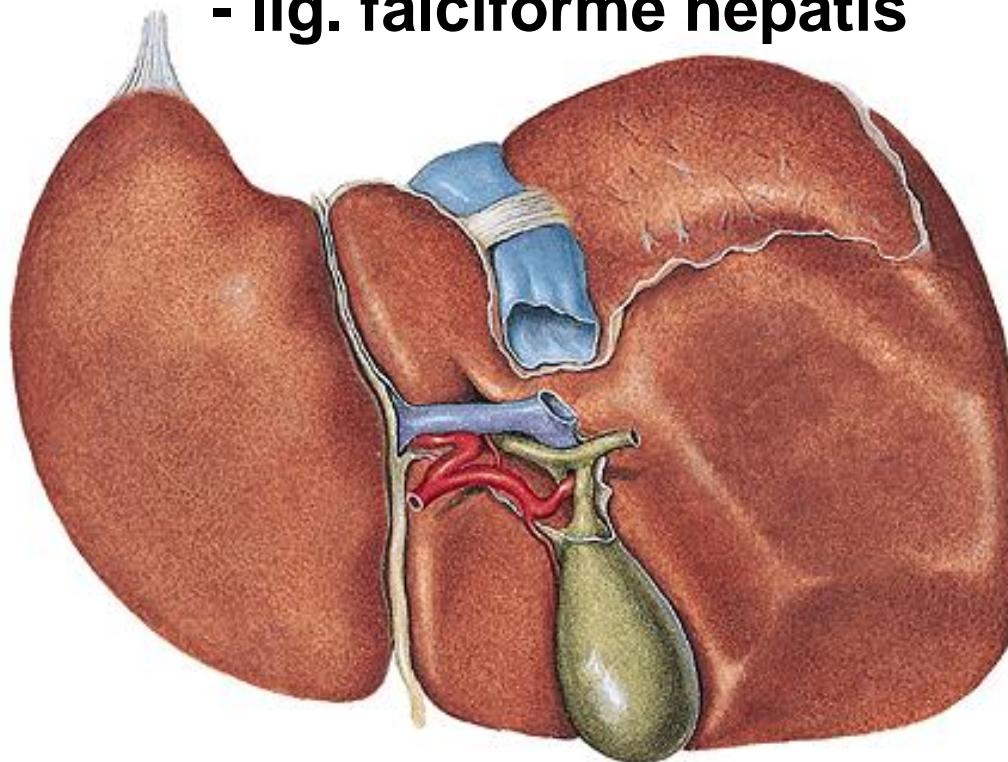
### Facies diaphragmatica

- pars superior (area nuda)
- pars anterior
- lig. coronarium
- lig. triangulare dextrum
- lig. triangulare sinistrum
- appendix fibrosa hepatis
- lig. falciforme hepatis

### Facies visceralis

#### Fissura sagittalis sinistra

- lig. teres hepatis
- lig. venosum



## **Fissura sagittalis dextra**

- fossa vesicae biliaris
- sulcus v. cavae inferioris (lig. venae cavae)

## **Lobus dexter**

**sinister (tuber omentale)**

**caudatus**

**quadratus**

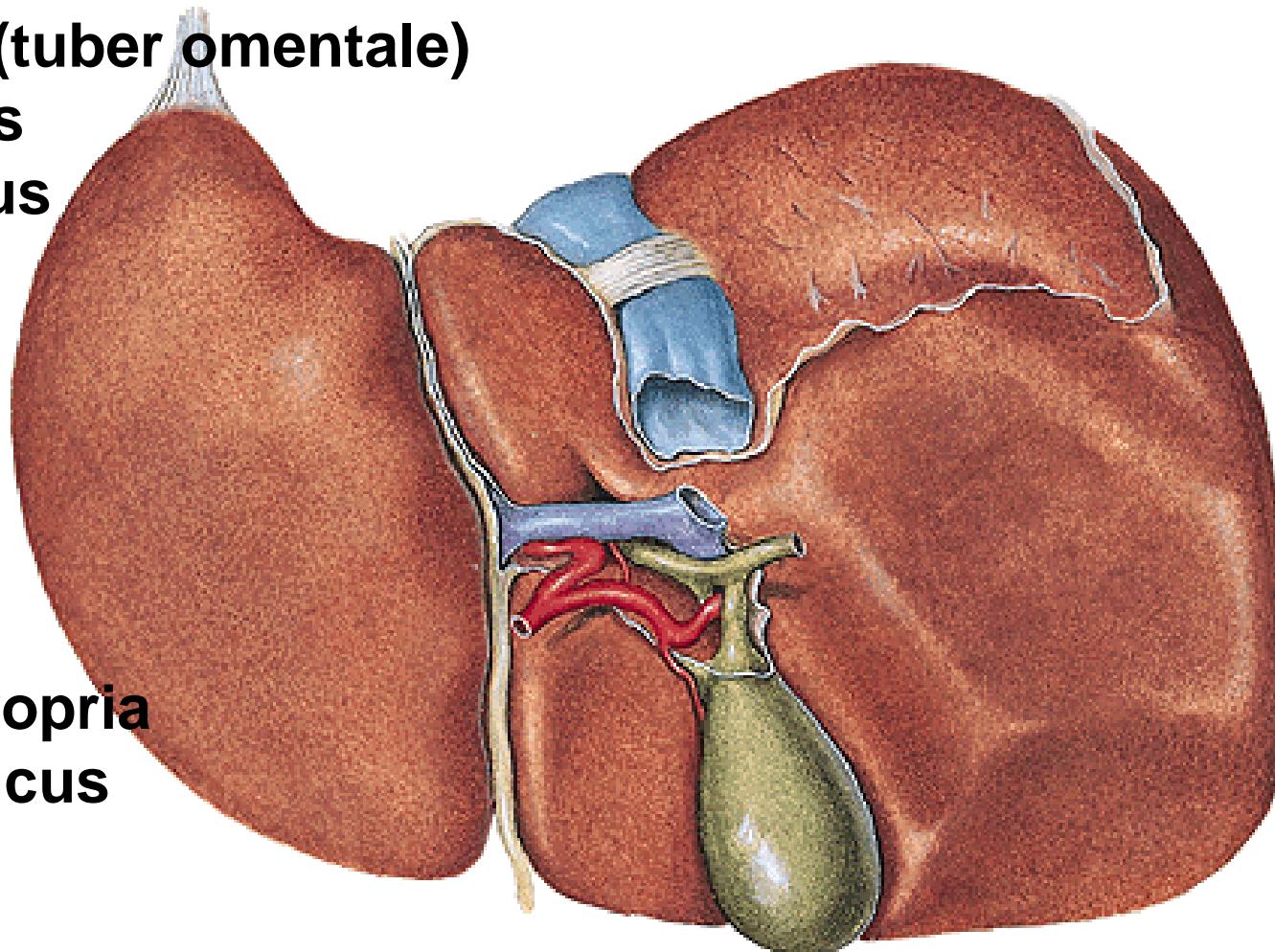
## **Processus**

**caudatus,**

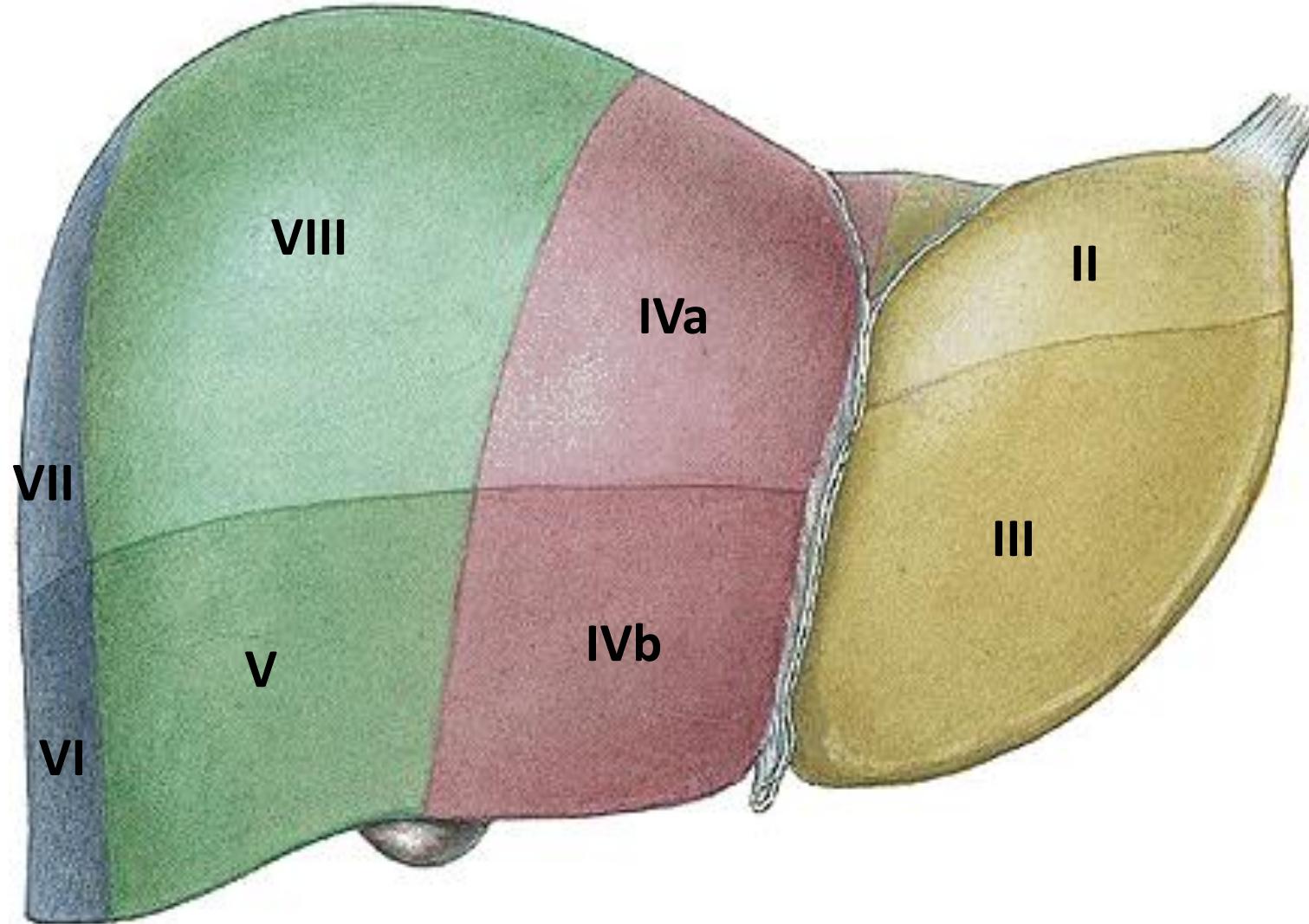
**papillaris**

## **Porta hepatis**

- vena portae
- a. hepatica propria
- ductus hepaticus  
**communis**



## Hepatic segments

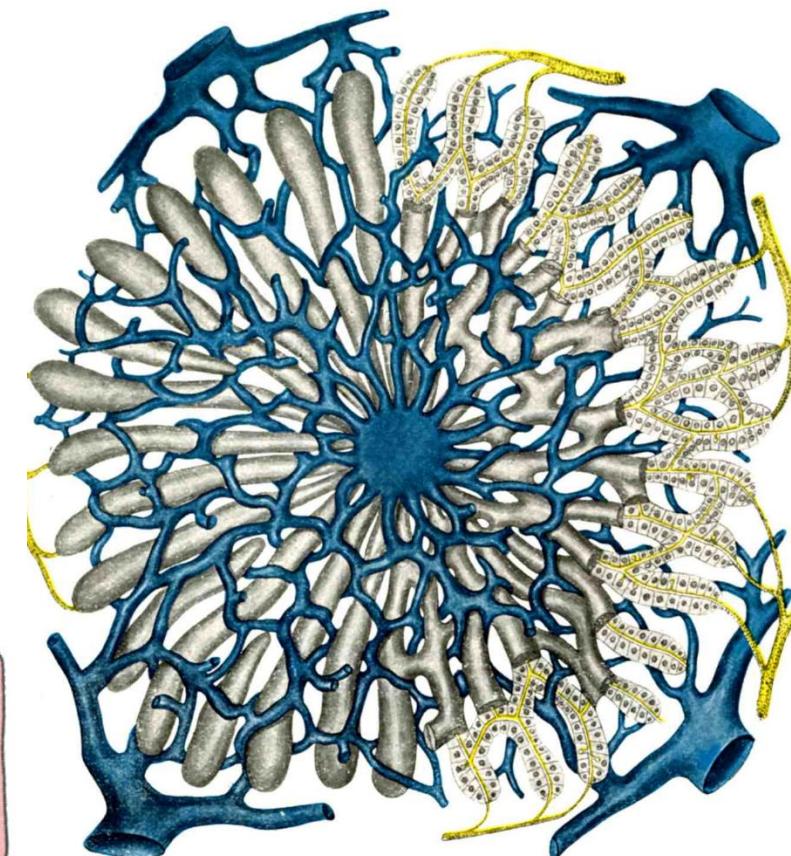
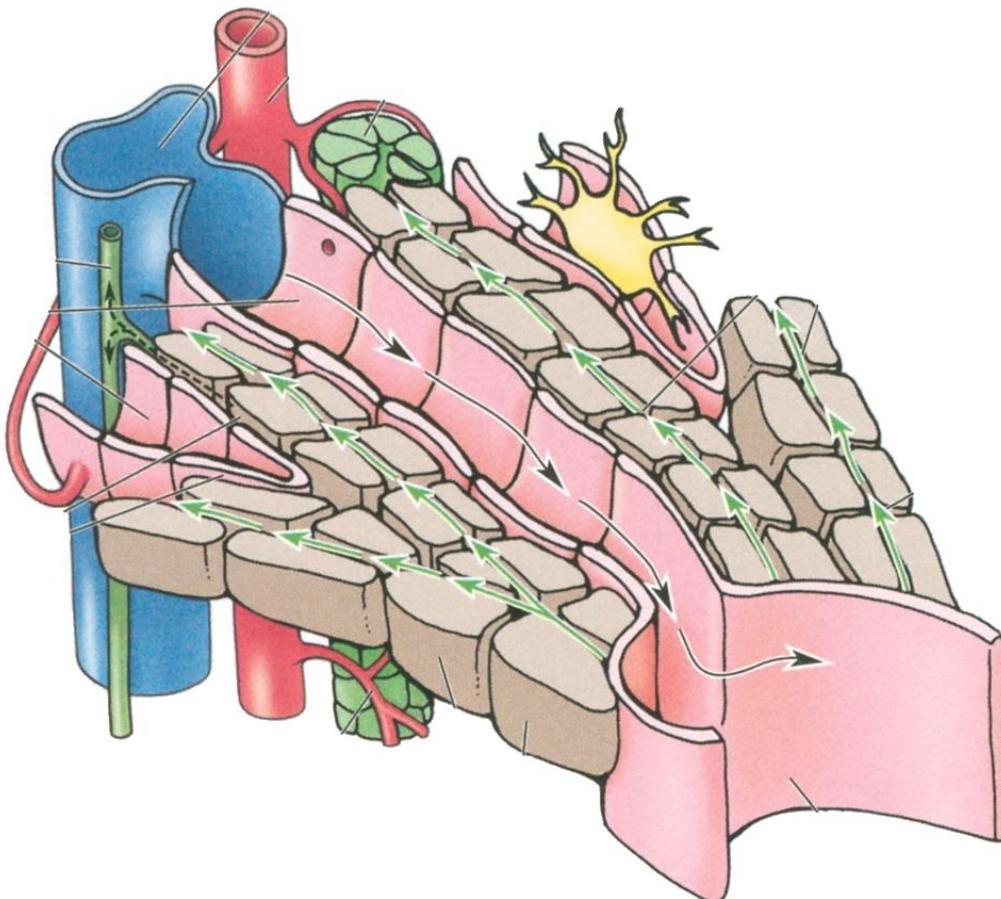


## Capsula fibrosa – capsula fibrosa perivascularis

- v. interlobularis, a. interlobularis, ductus interlobularis

→ sinusoids → v. centralis

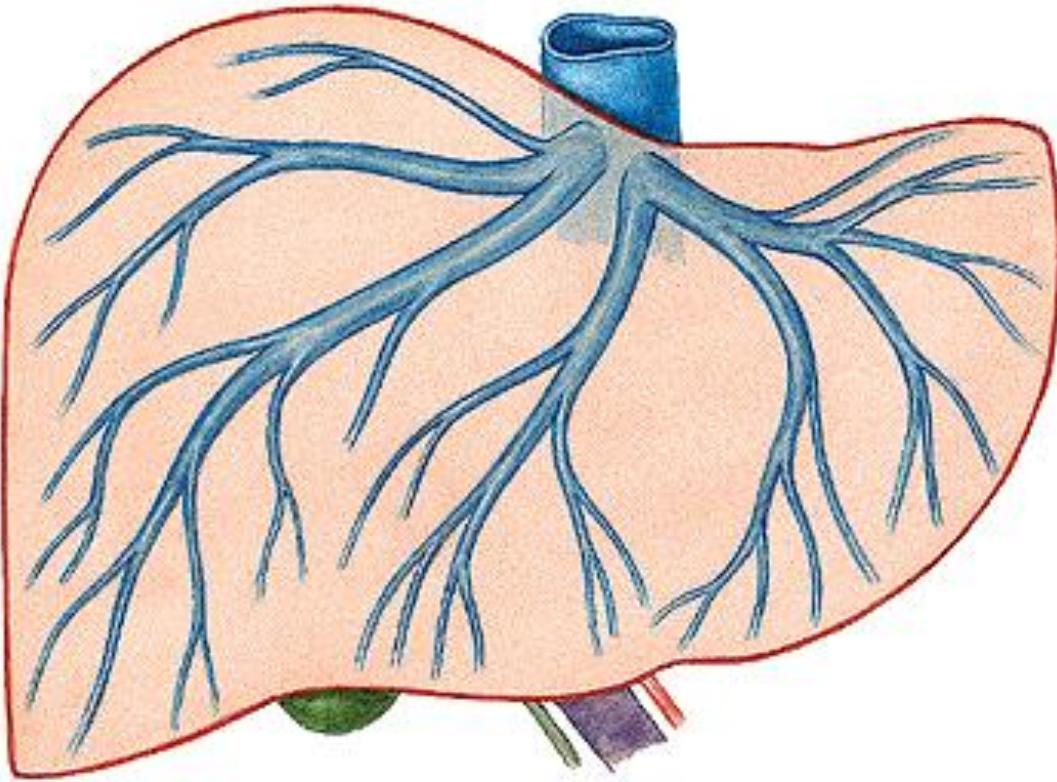
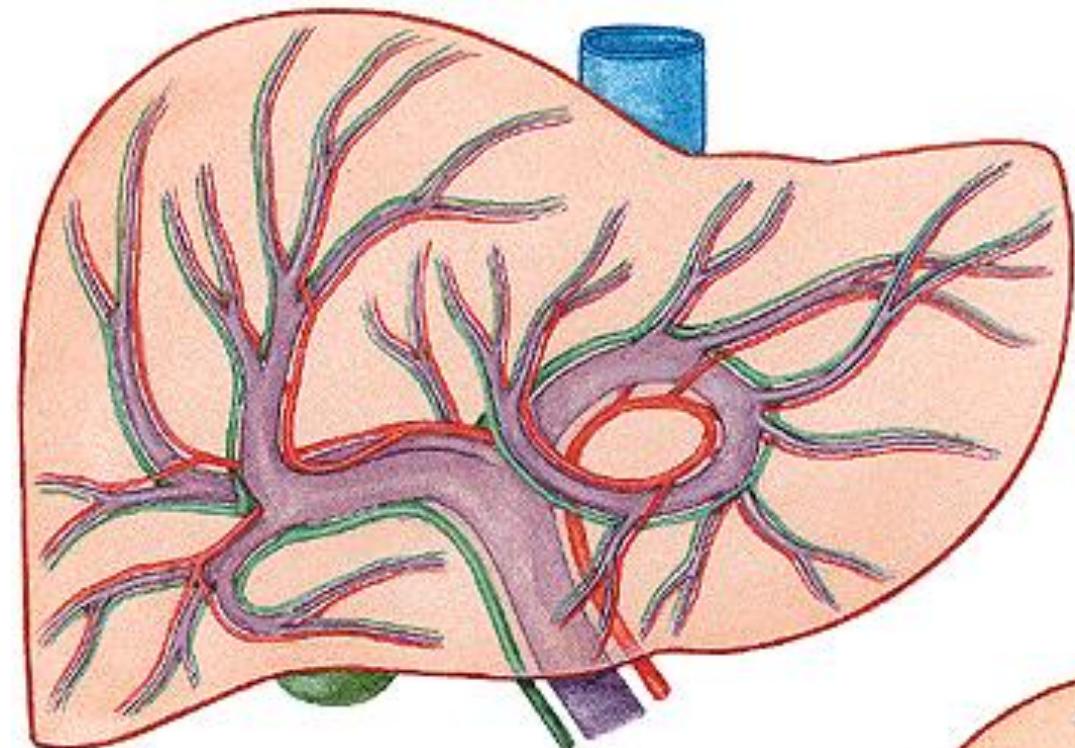
Lobulus venae centralis



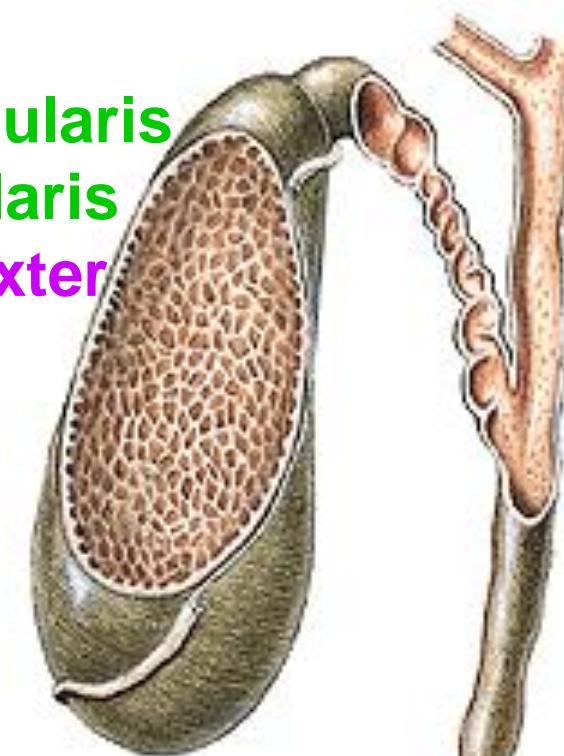
**V. PORTAE (v. mesenterica sup. + v. lienalis)**

**A. HEPATICA PROPRIA**

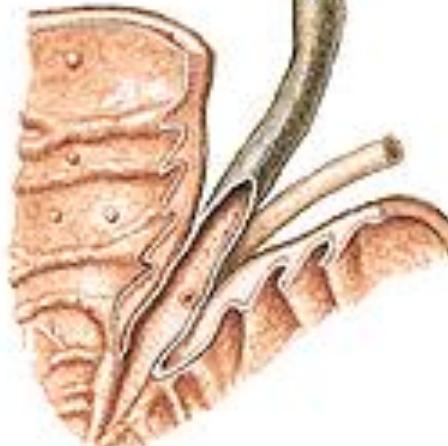
- ramus dexter et sinister..... aa. et vv. interlobulares,  
aa. et vv. circumlobulares → sinusoids → v. centralis  
→ vv. sublobulares → vv. hepaticae



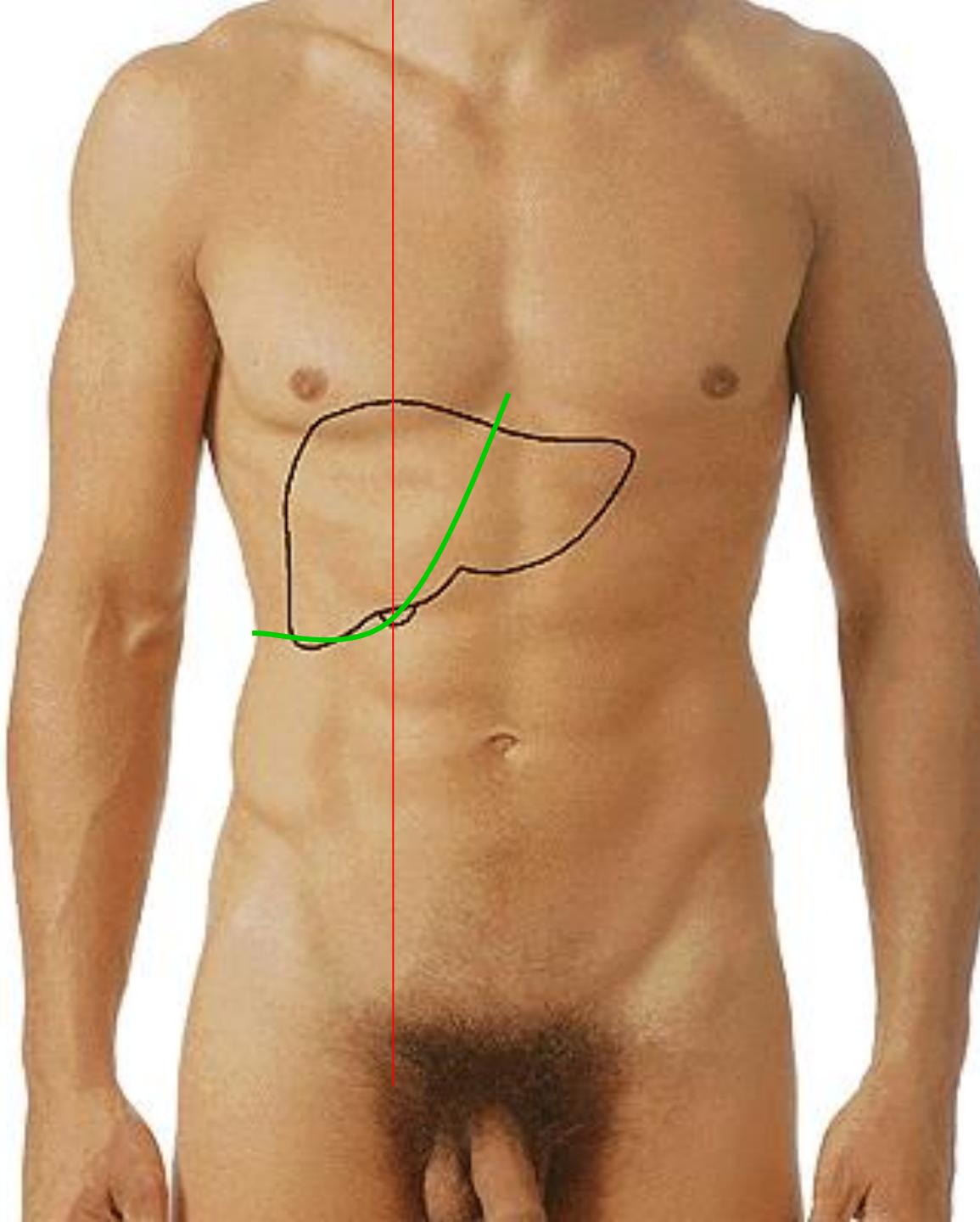
**Canaliculus bilifer – ductus bilifer intralobularis**  
– **ductulus bilifer - ductus bilifer interlobularis**  
– **collecting ducts** → **ductus hepaticus dexter et sinister** – **ductus hepaticus communis**  
+ **ductus cysticus = ductus choledochus**



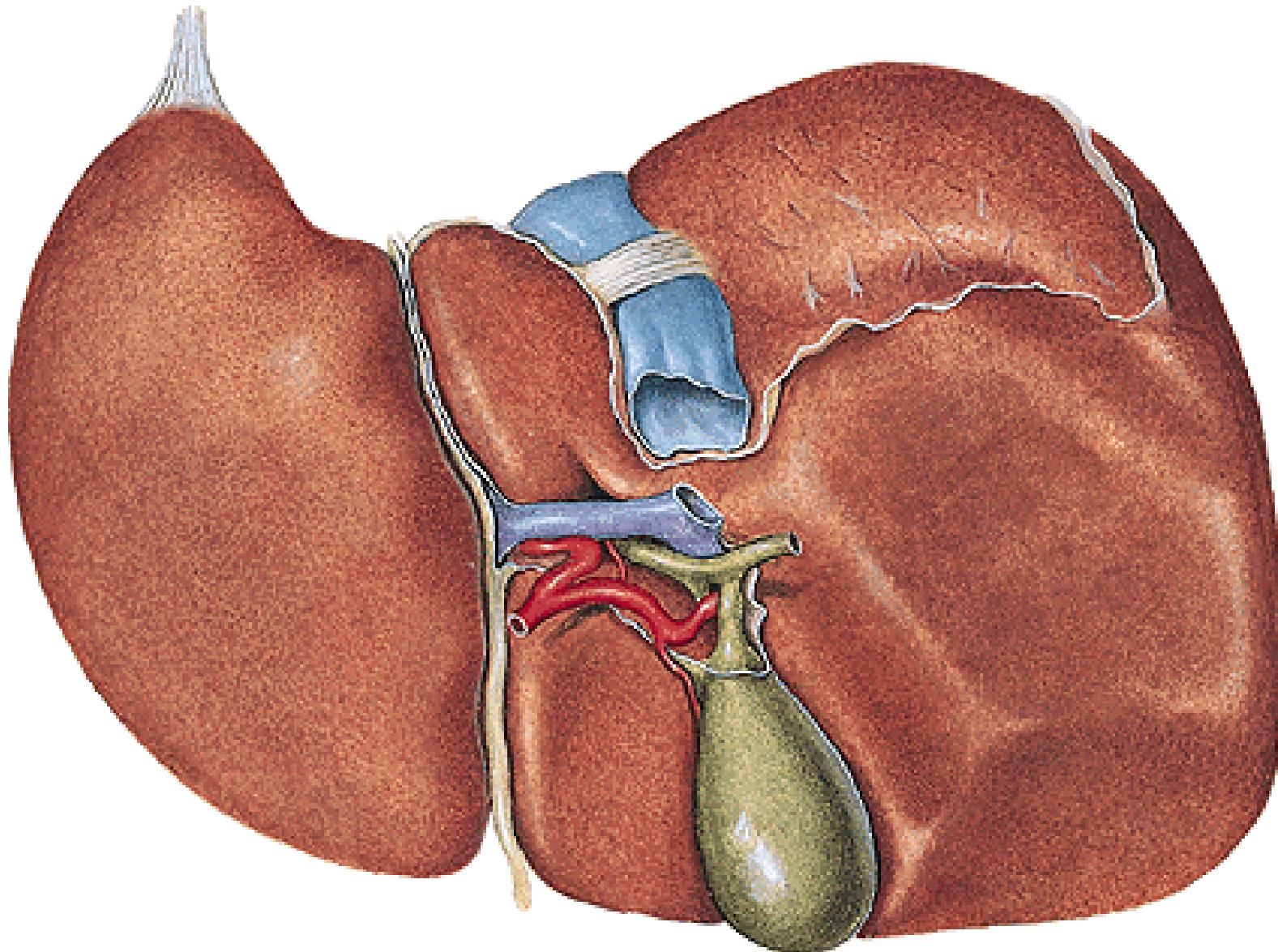
**Plica longitudinalis duodeni**  
**Ampulla hepatopancreatica**  
**M. sphincter ampullae hepatopancreaticae (Oddi)**  
**Papilla duodeni major (Vater)**



**Vesica biliaris (fellea)**  
- **fundus, corpus, collum**  
- **plica spiralis**



**Impressio renalis. suprarenalis, duodeni, colica  
Impressio oesophagea, gastrica**



# PANCREAS

**caput, corpus, cauda**

**incisura pancreatis**

**processus uncinatus**

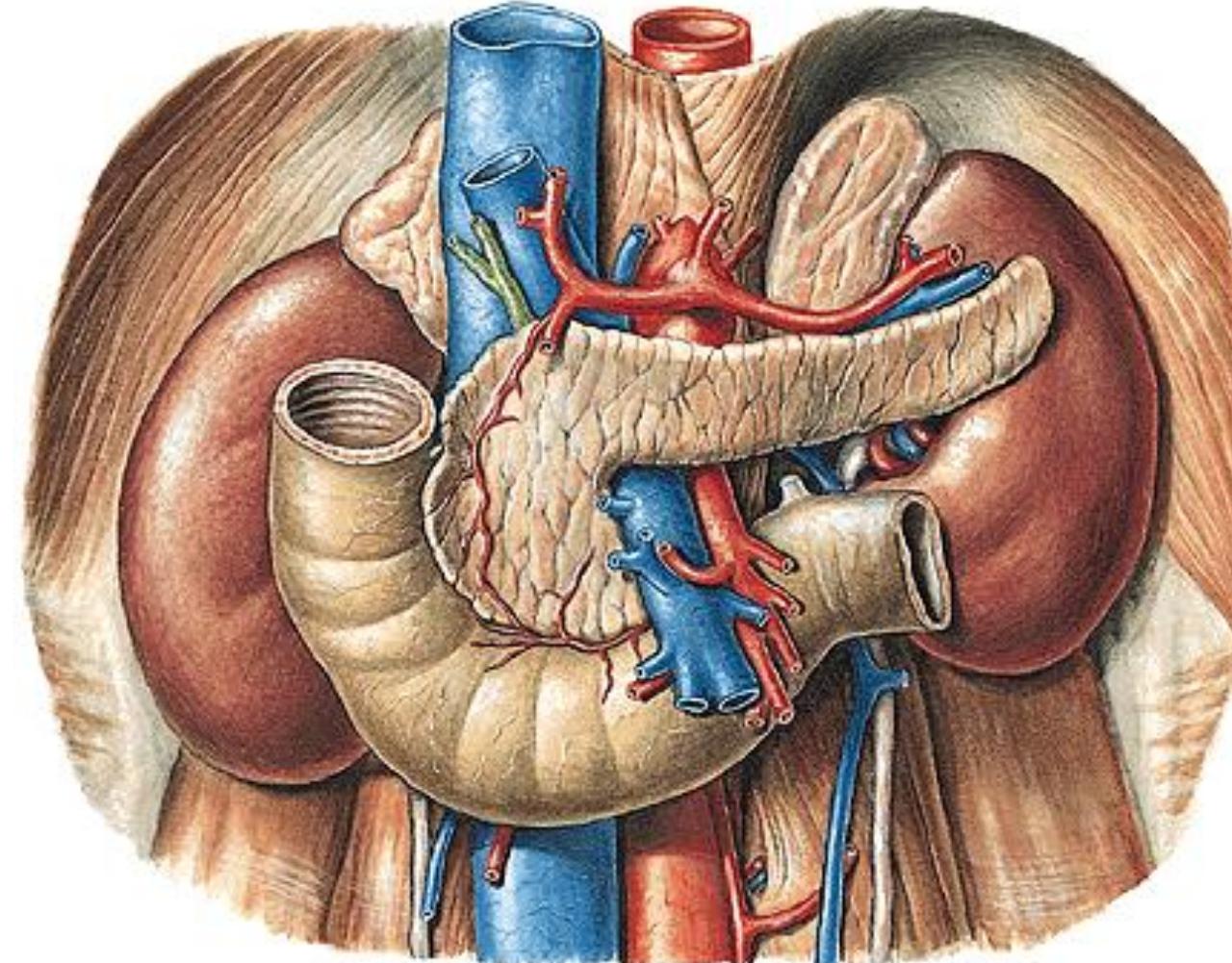
**facies anterior**

**facies posterior**

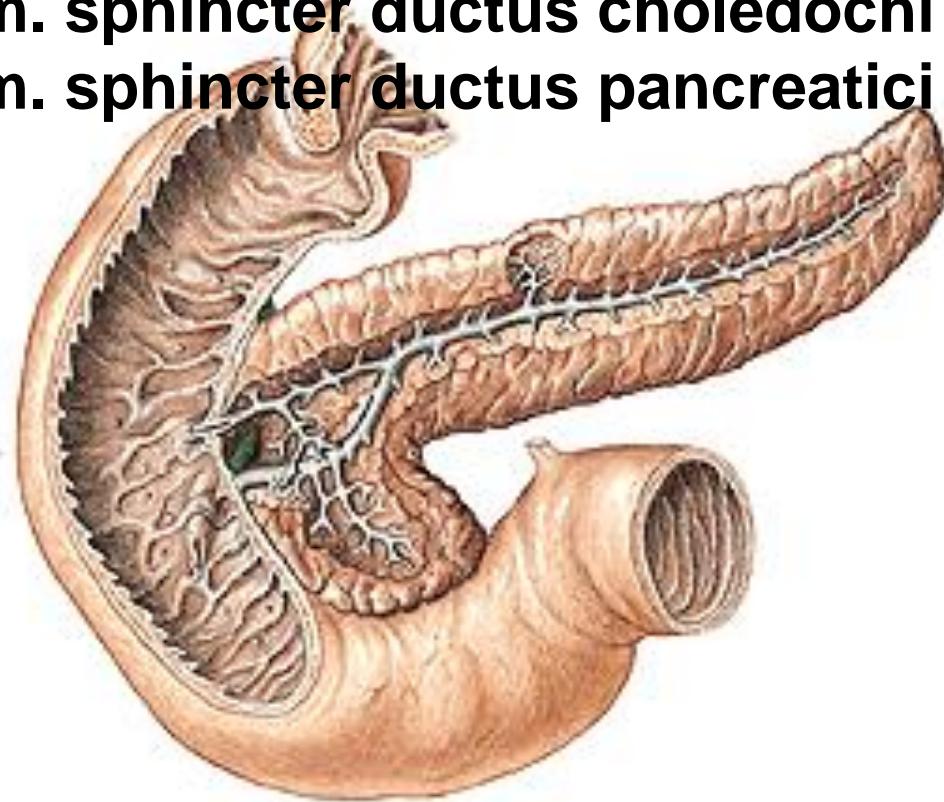
**margo superior**

**margo inferior**

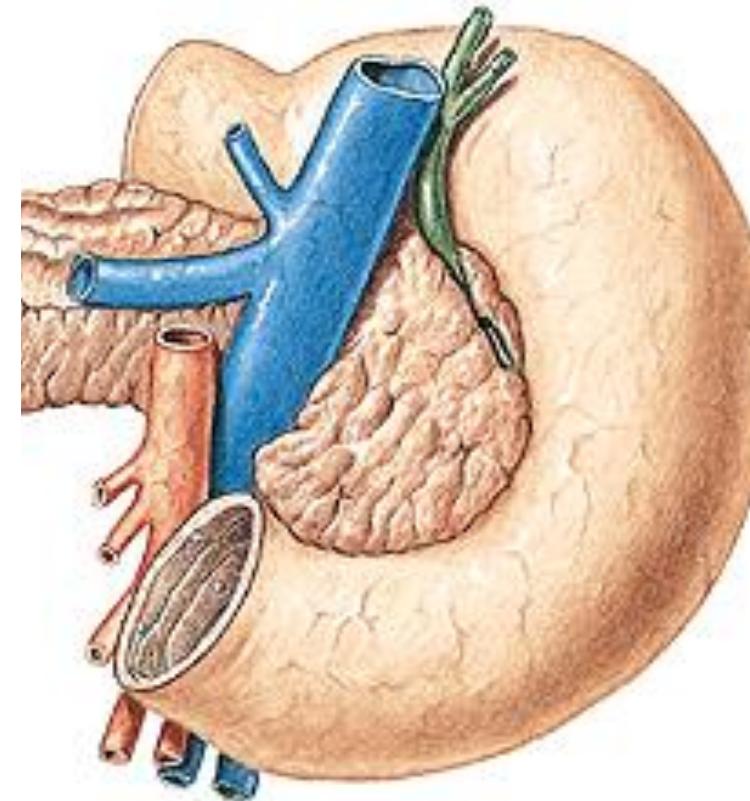
**membrana retropancreatica (Treitz)**  
**tuber omentale**



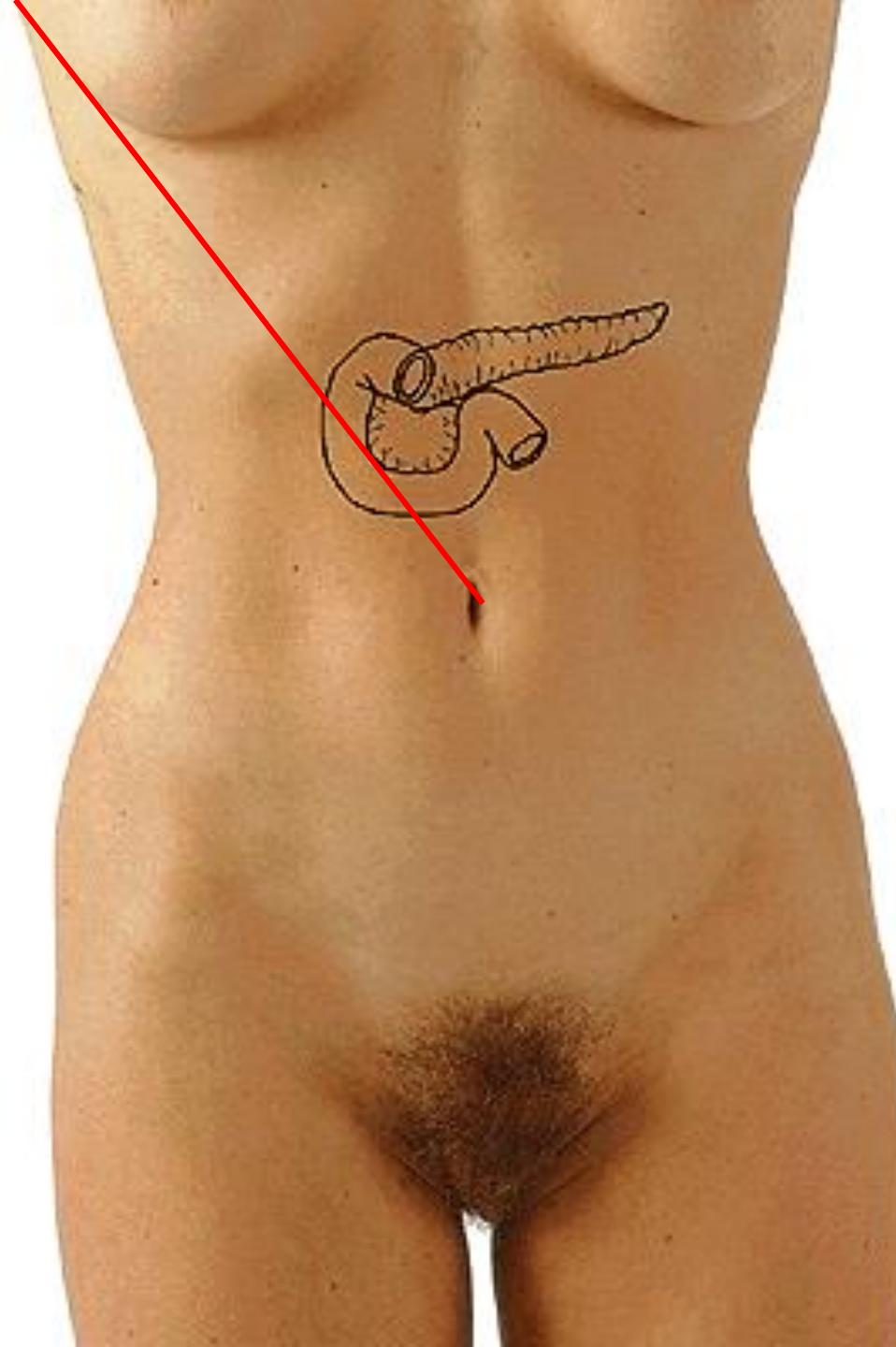
**Exocrine pancreas:**  
**capsula pancreatis**  
**succus pancreaticus**  
**ductus pancreaticus**  
**ductus pancreaticus accessorius**  
**m. sphincter ampullae hepatopancreaticae**  
**m. sphincter ductus choledochi**  
**m. sphincter ductus pancreatici**



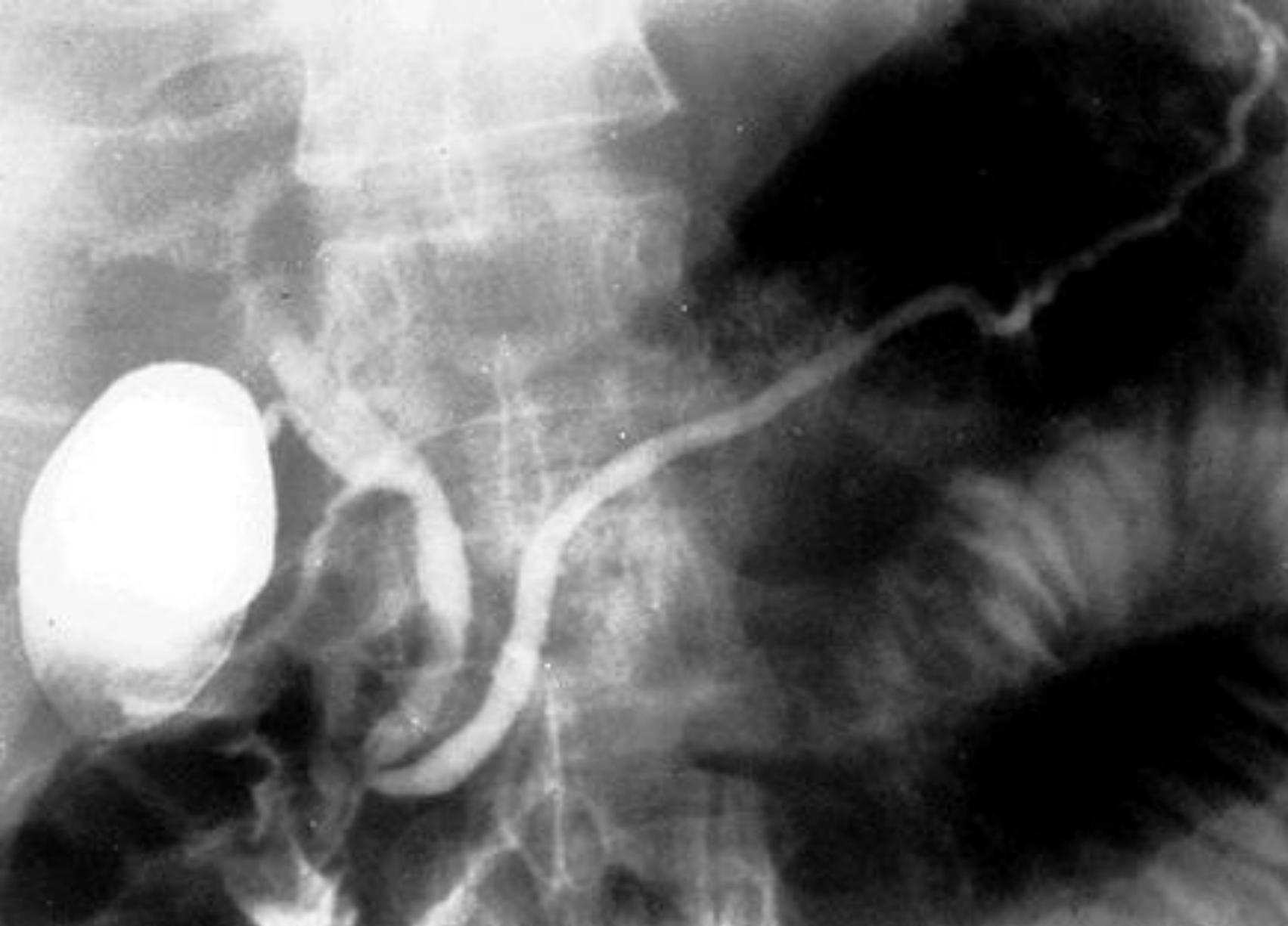
**Endocrine pancreas:**  
**islets of Langerhans**  
**insulin, glucagon**



**Umbilico-axillary line  
- point of Desjardin**

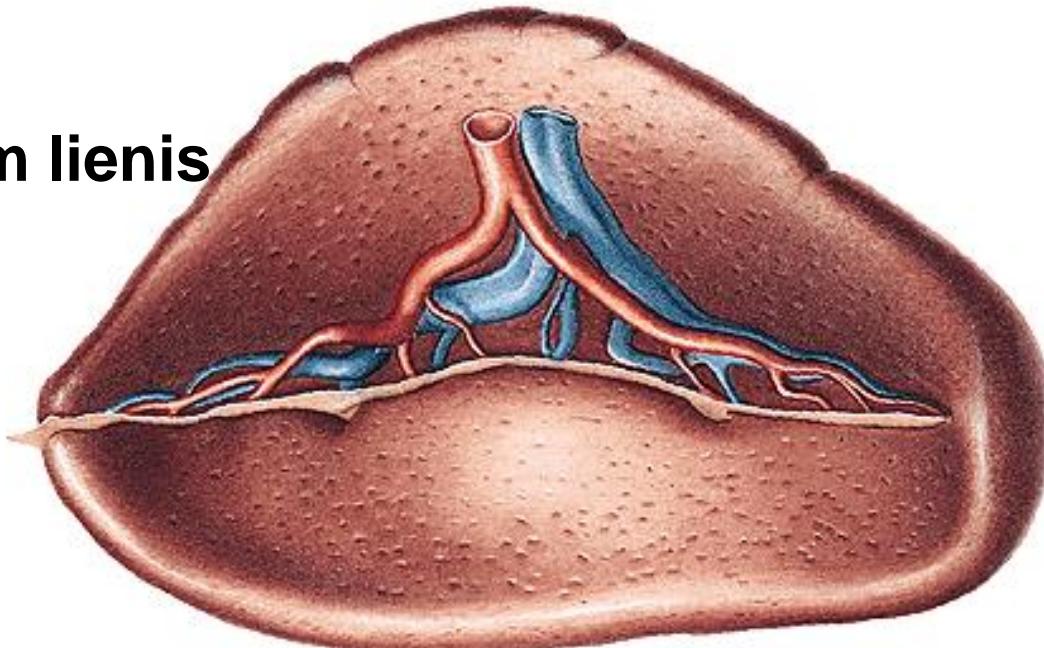


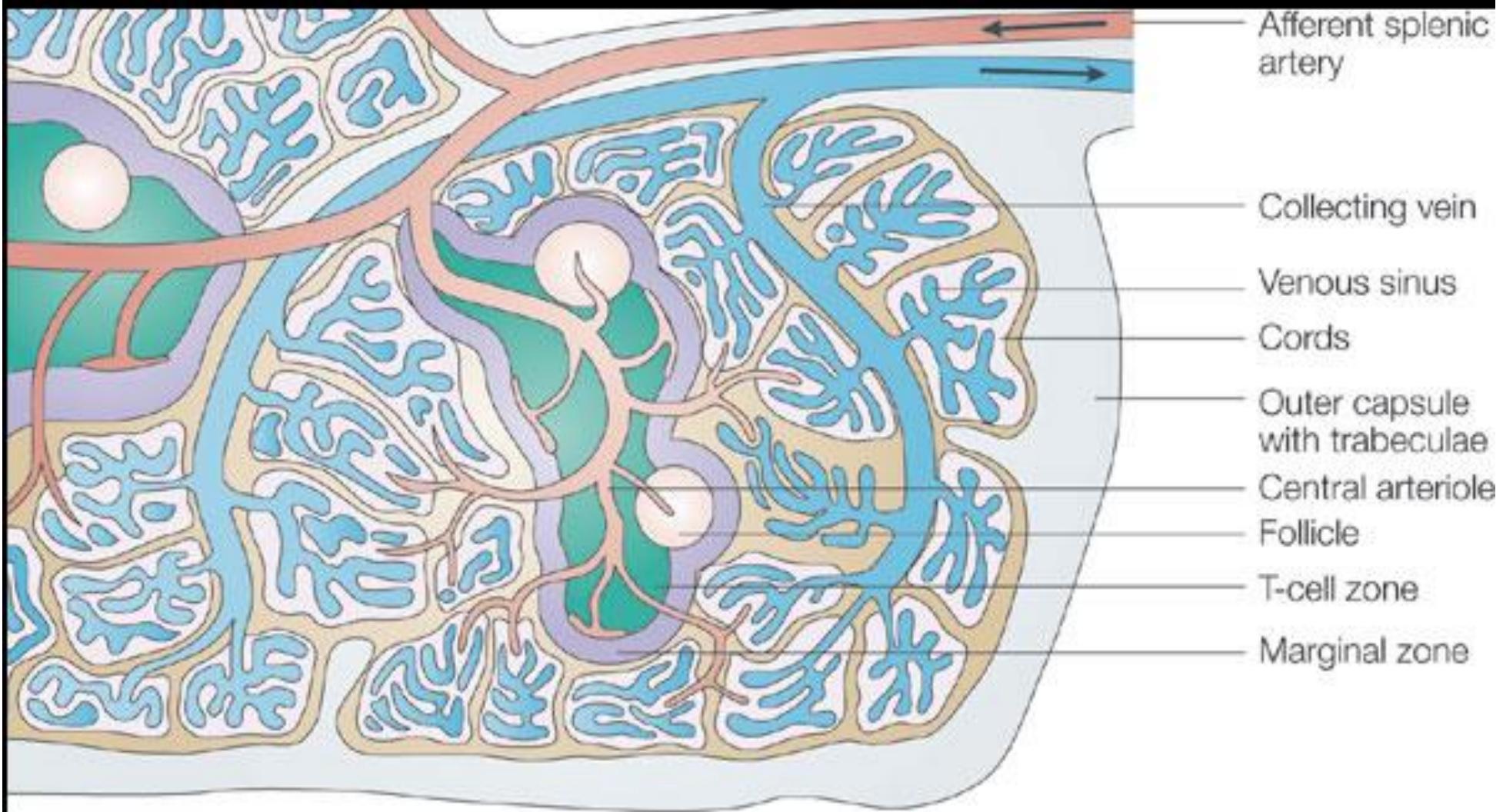
# ERCP – endoscopic retrograde cholangiopancreatography



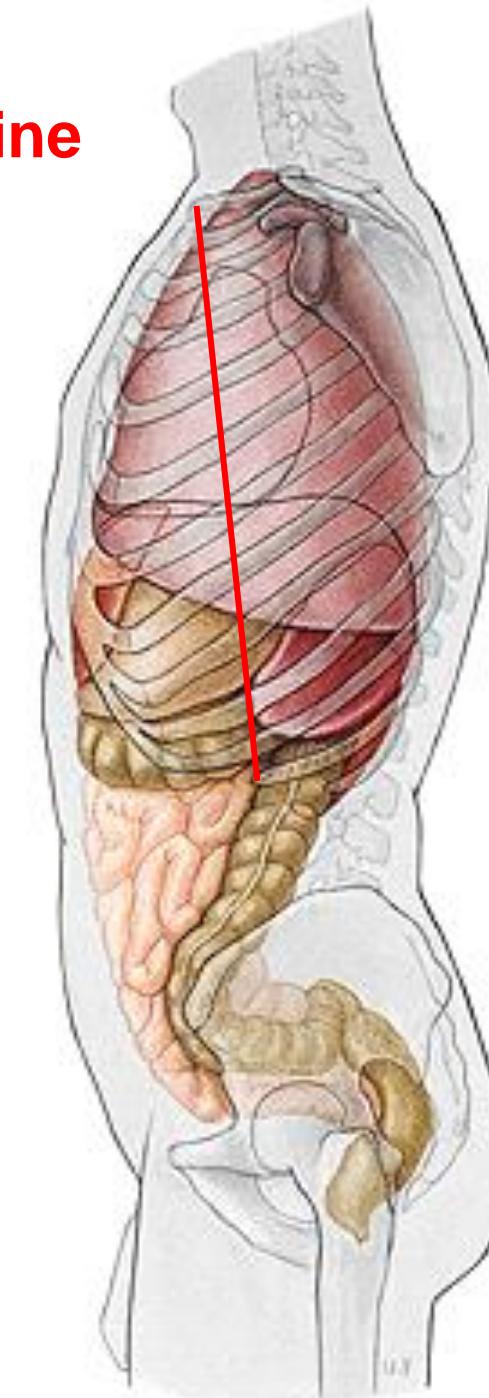
## **LIEN, SPLEEN**

- **extremitas anterior**
- **extremitas posterior**
- **margo superior – crenae lienis**
- **margo inferior**
- **facies diaphragmatica**
- **facies visceralis – hilum lienis**
- **capsula lienis**
- **pulpa rubra**
- **pulpa alba**





## Costoarticular line



## CAVITAS ABDOMINALIS

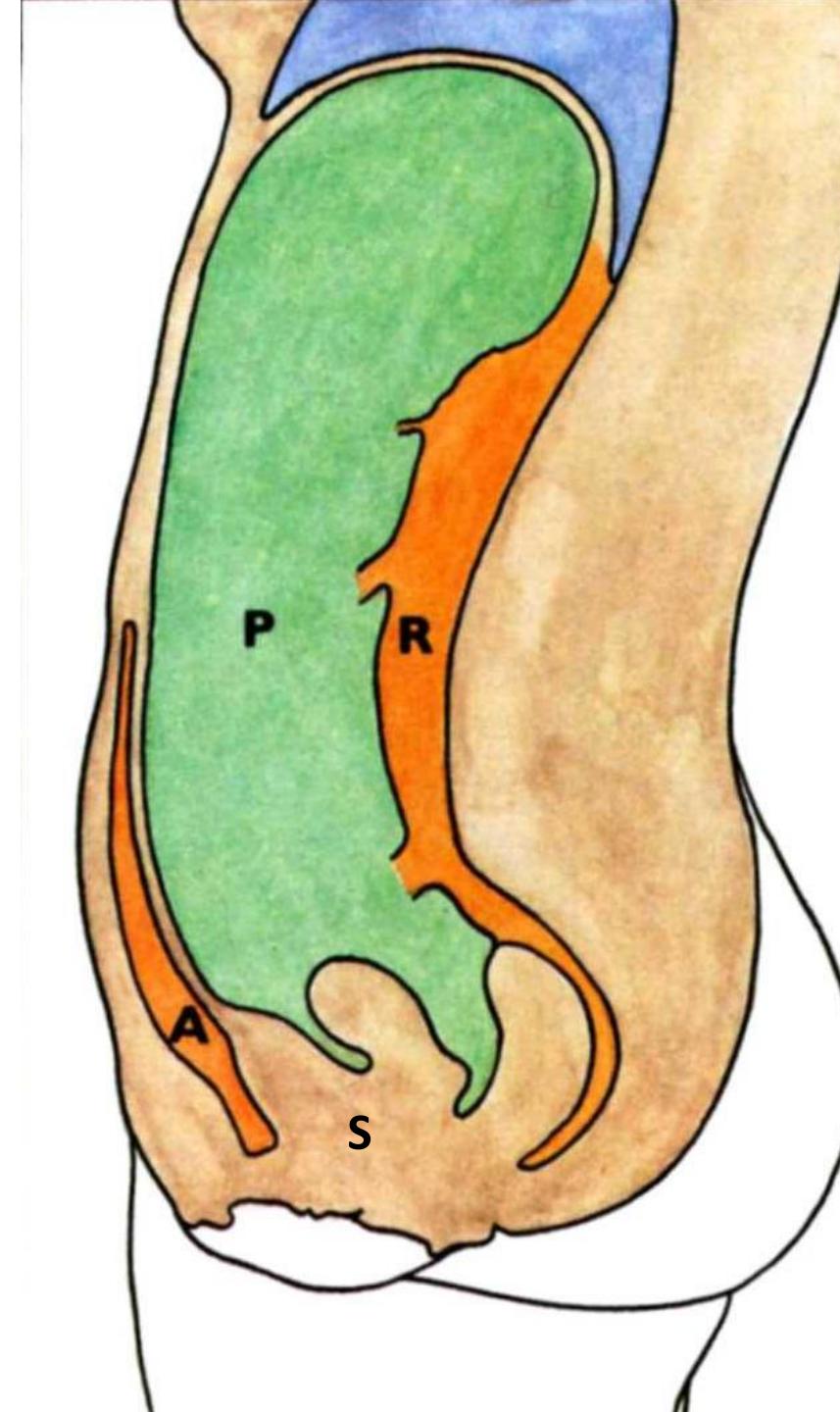
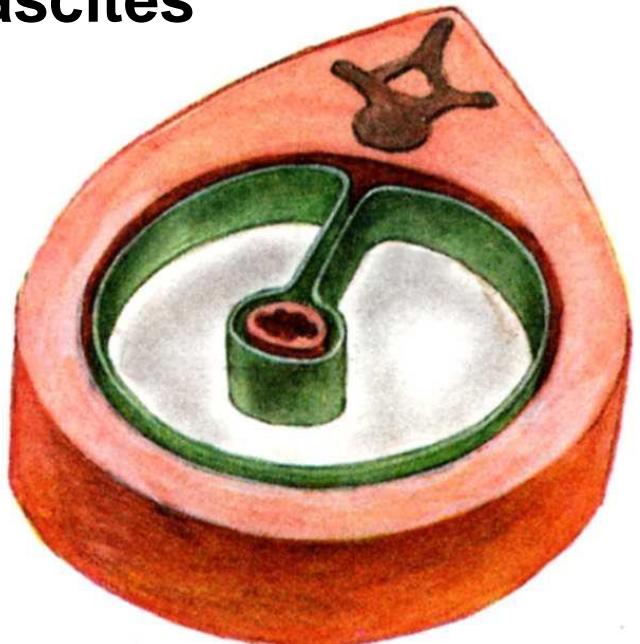
P – cavitas peritonealis

A – spatium preperitoneale

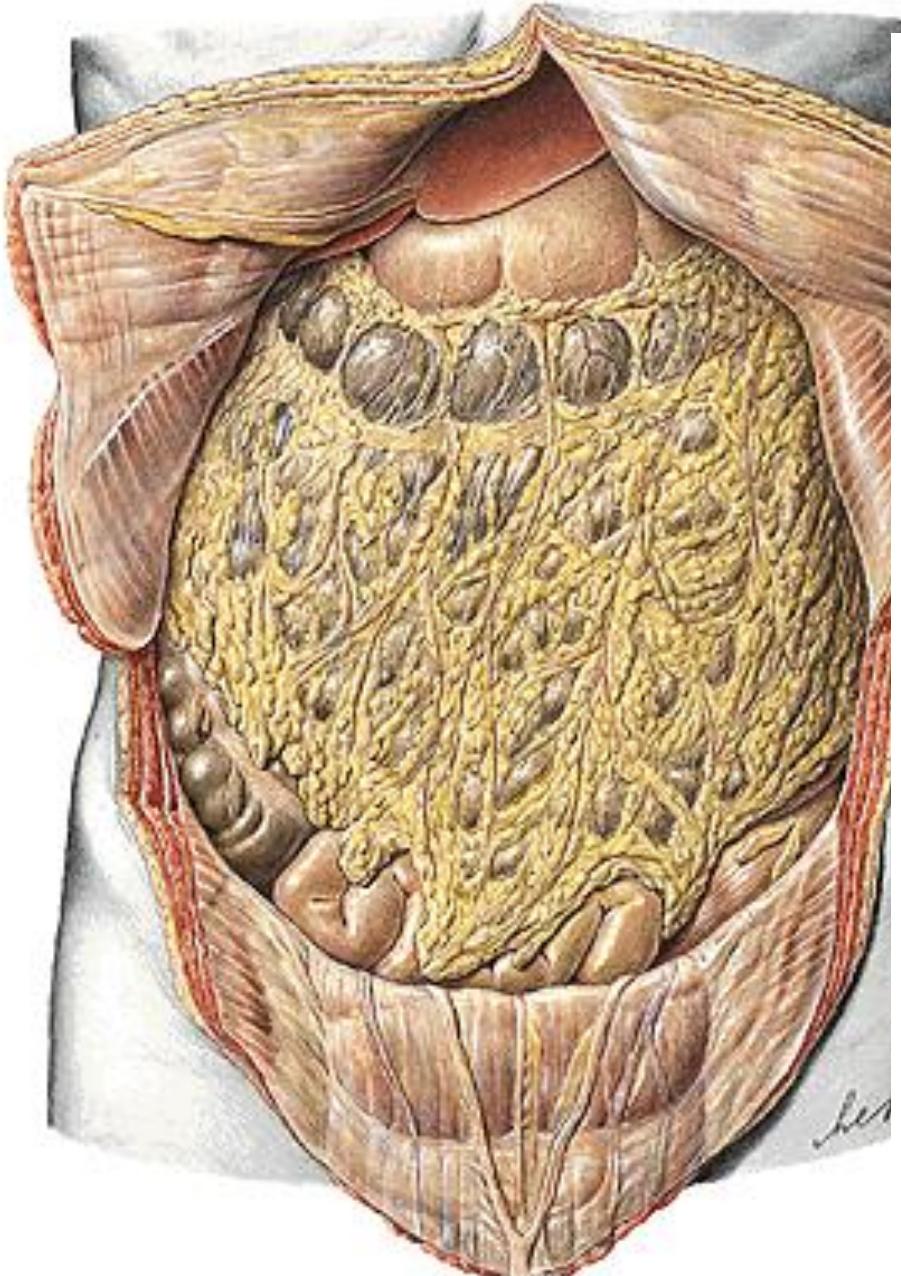
R – spatium retroperitoneale

S – spatium subperitoneale  
(infraperitoneale)

ascites

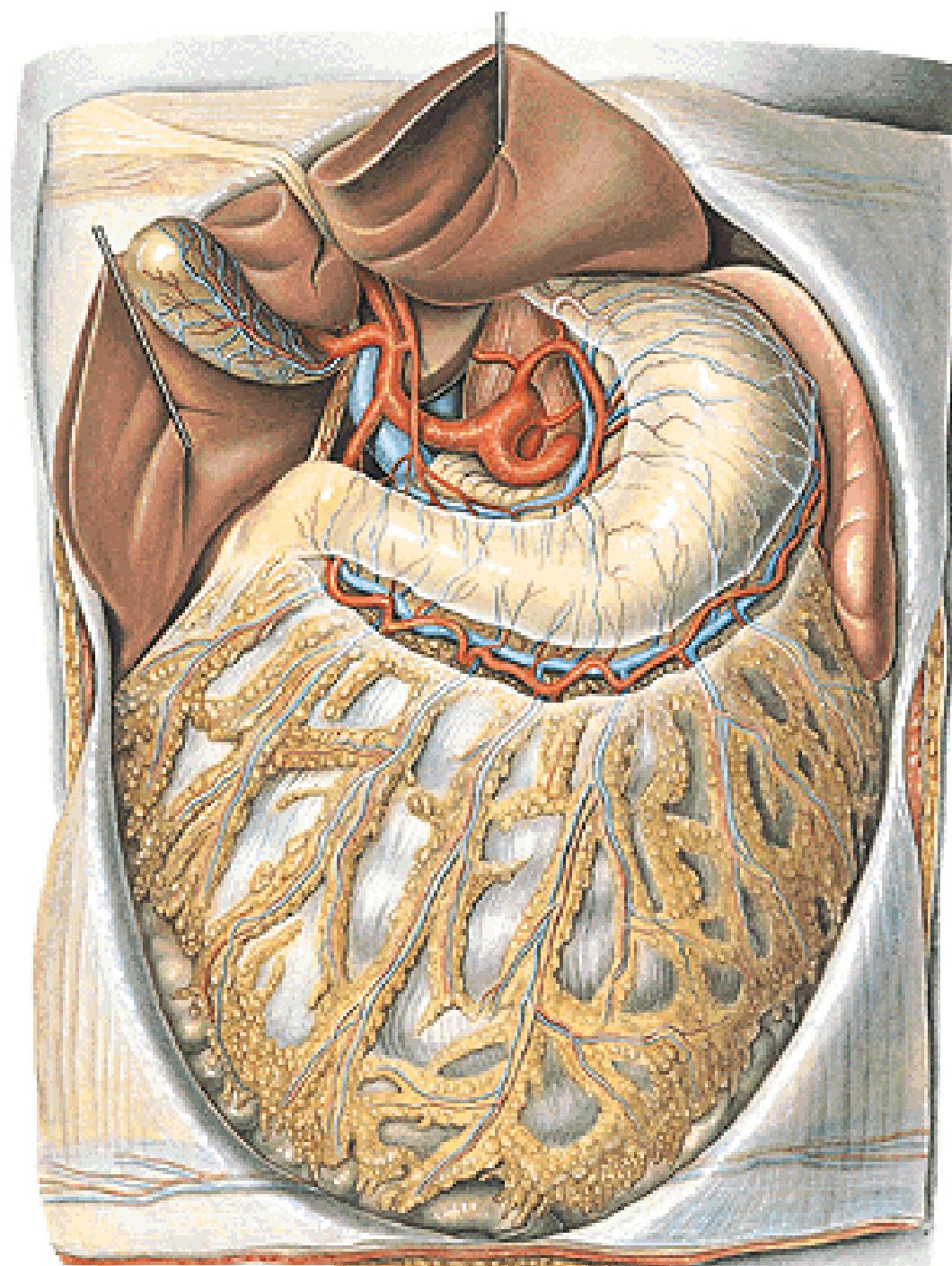


# Cavitas peritonealis - pars supramesocolica, inframesocolica



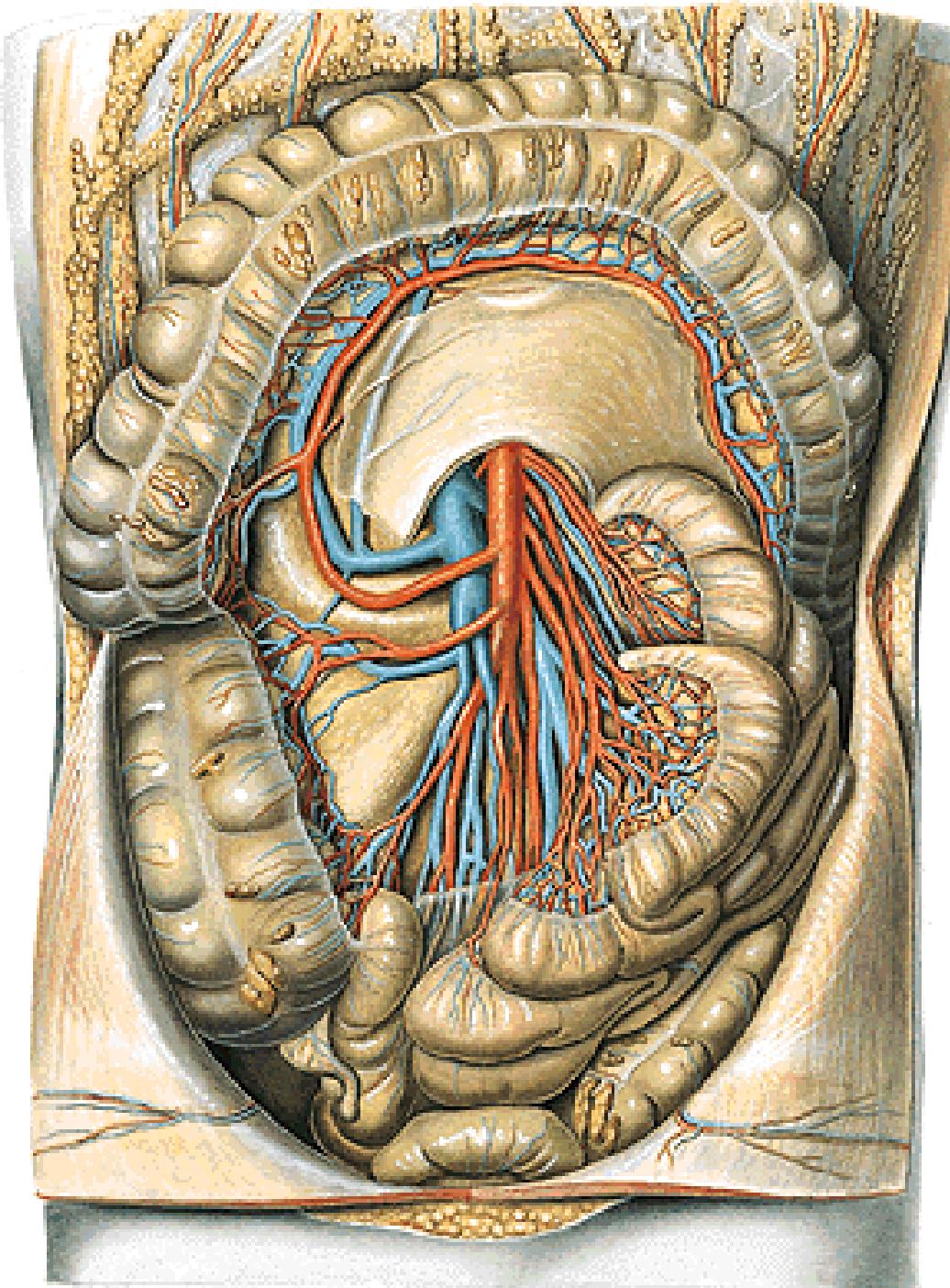
**Pars supramesocolica**

**Truncus coeliacus**



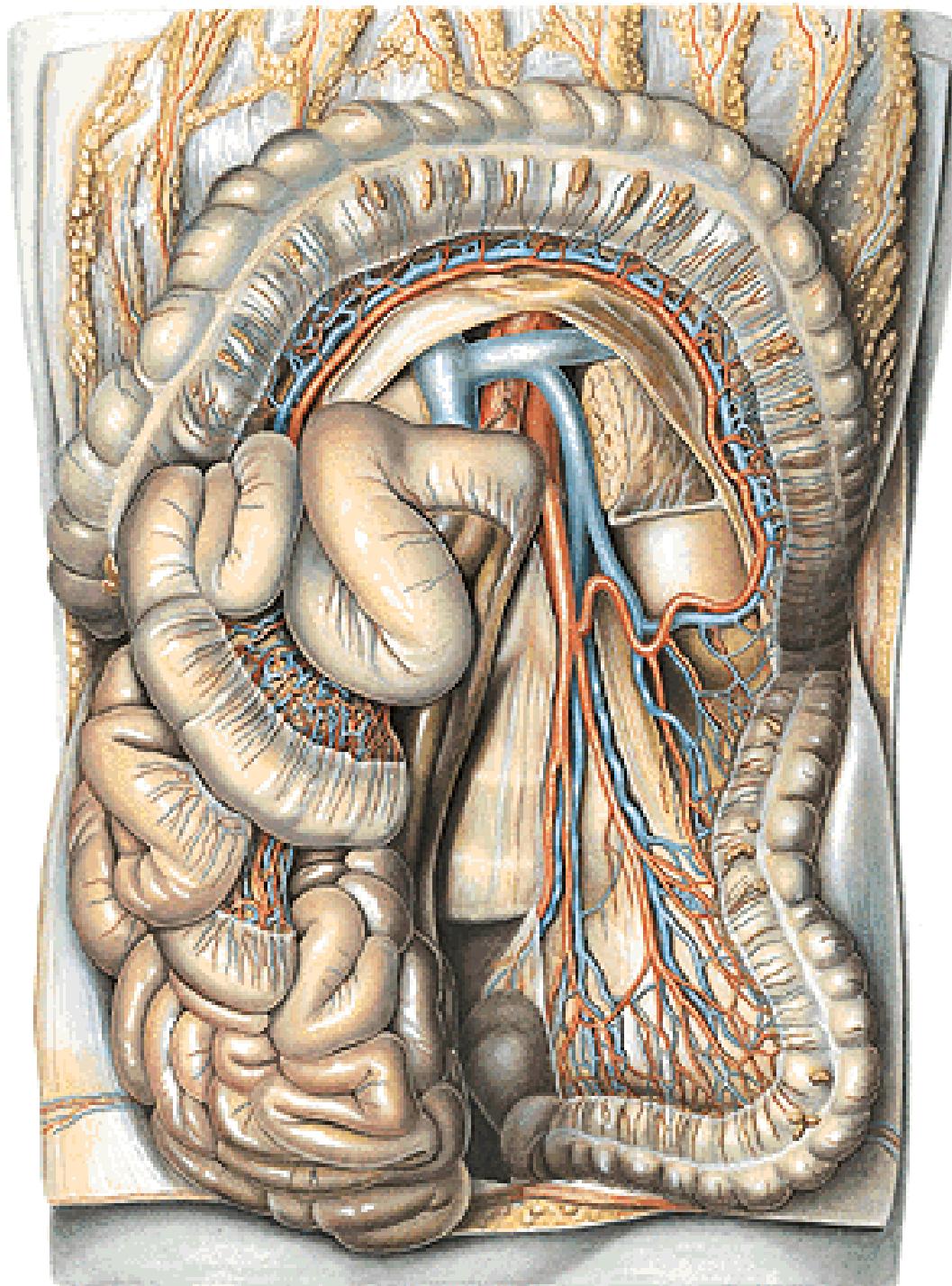
**Pars infrramesocolica**

**A. mesenterica superior**

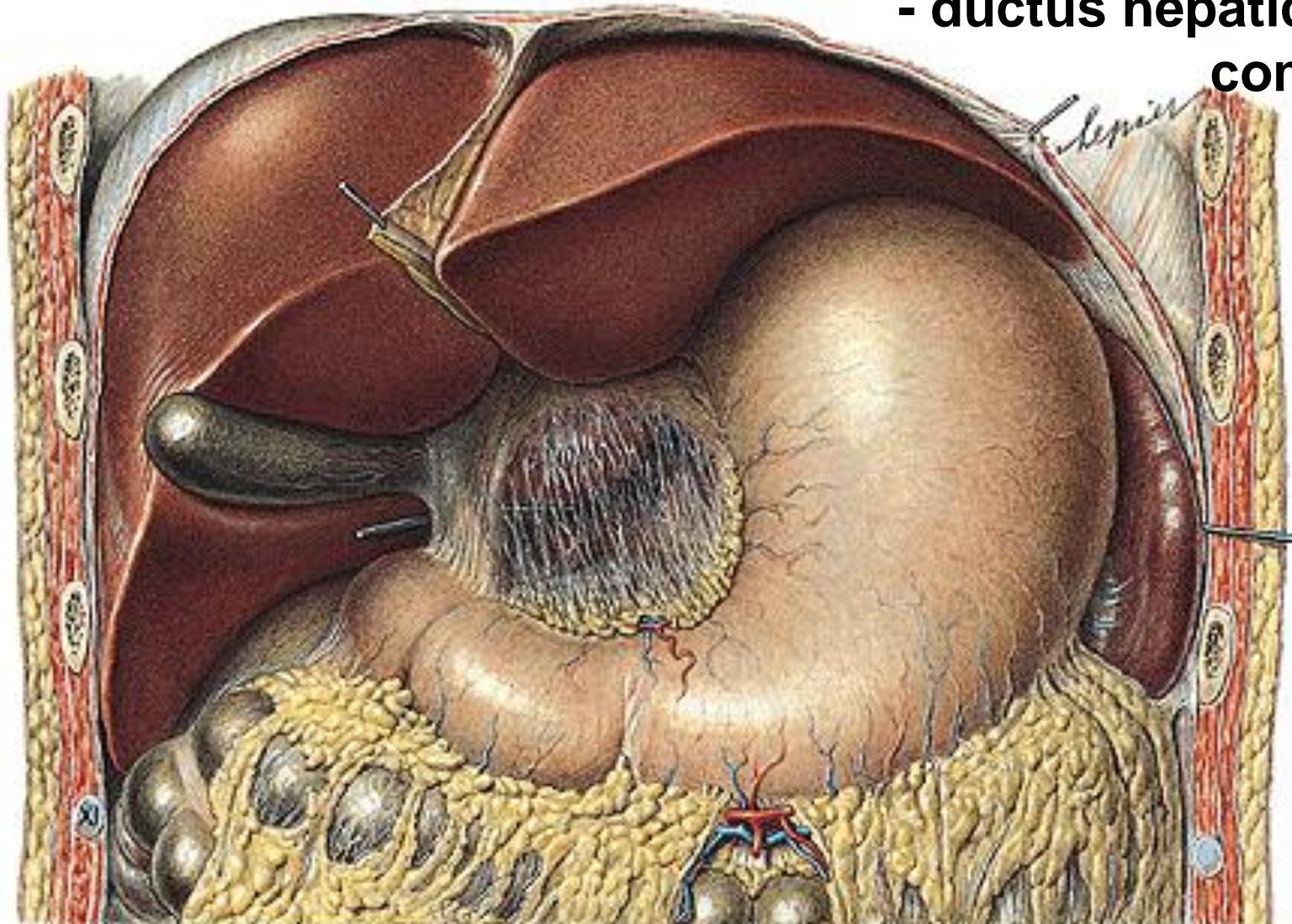


## **Pars infrramesocolica**

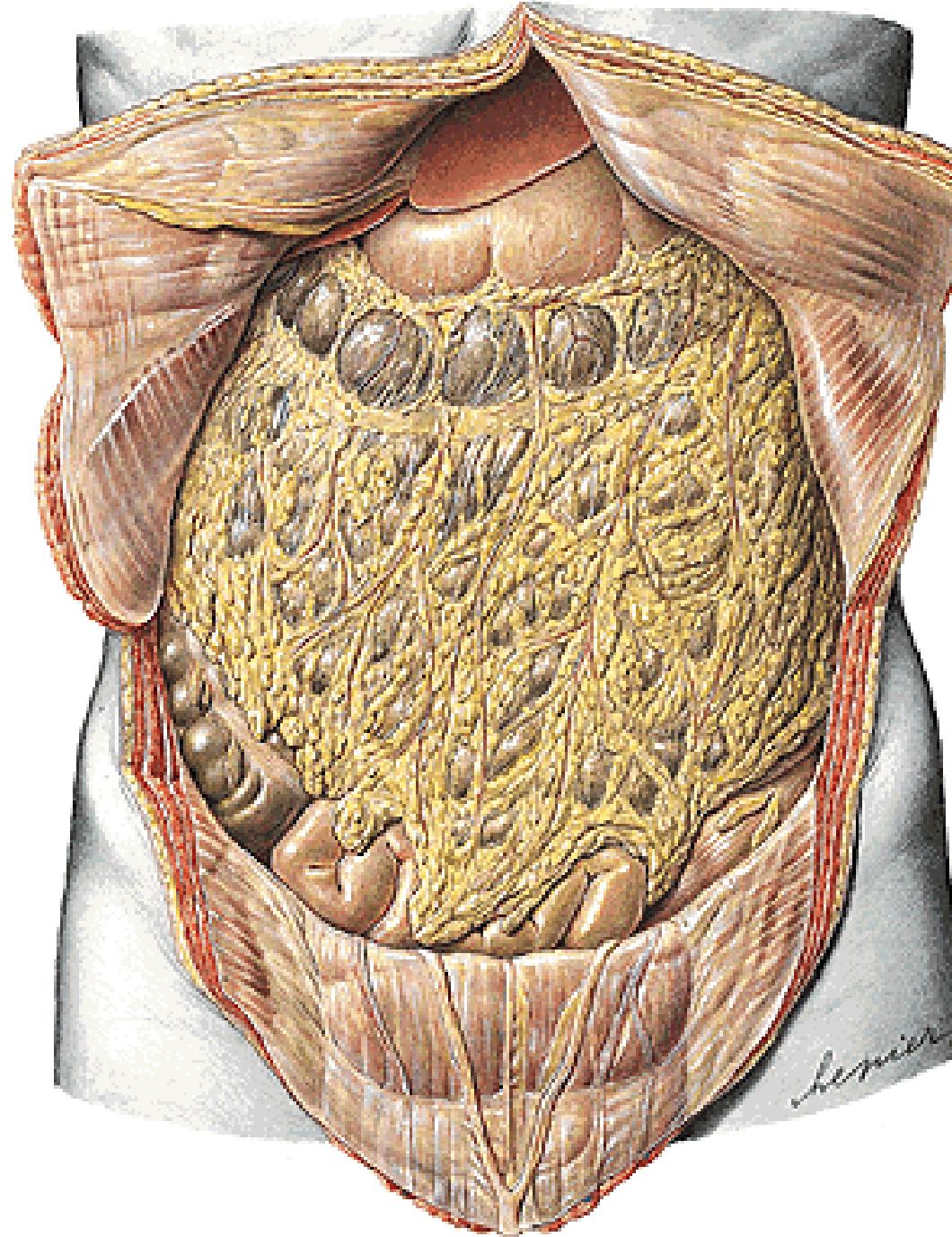
### **A. mesenterica inferior**



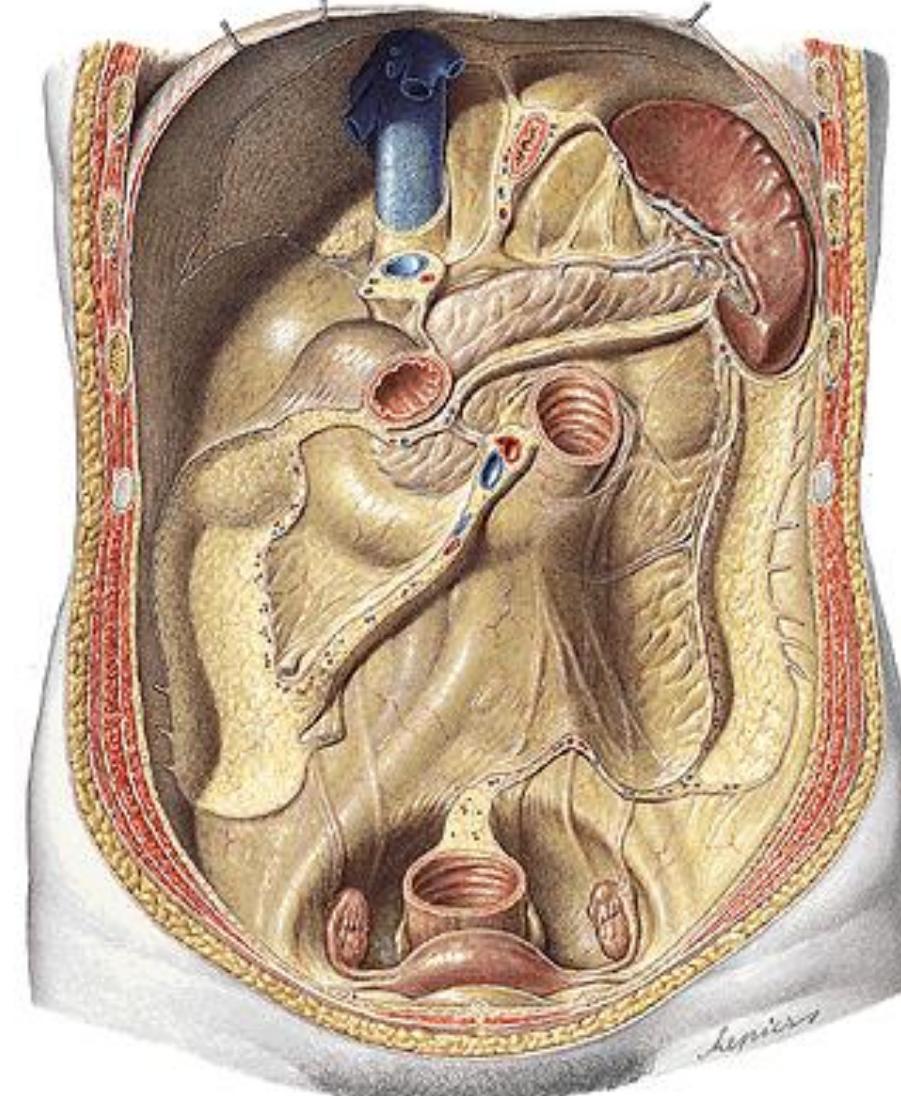
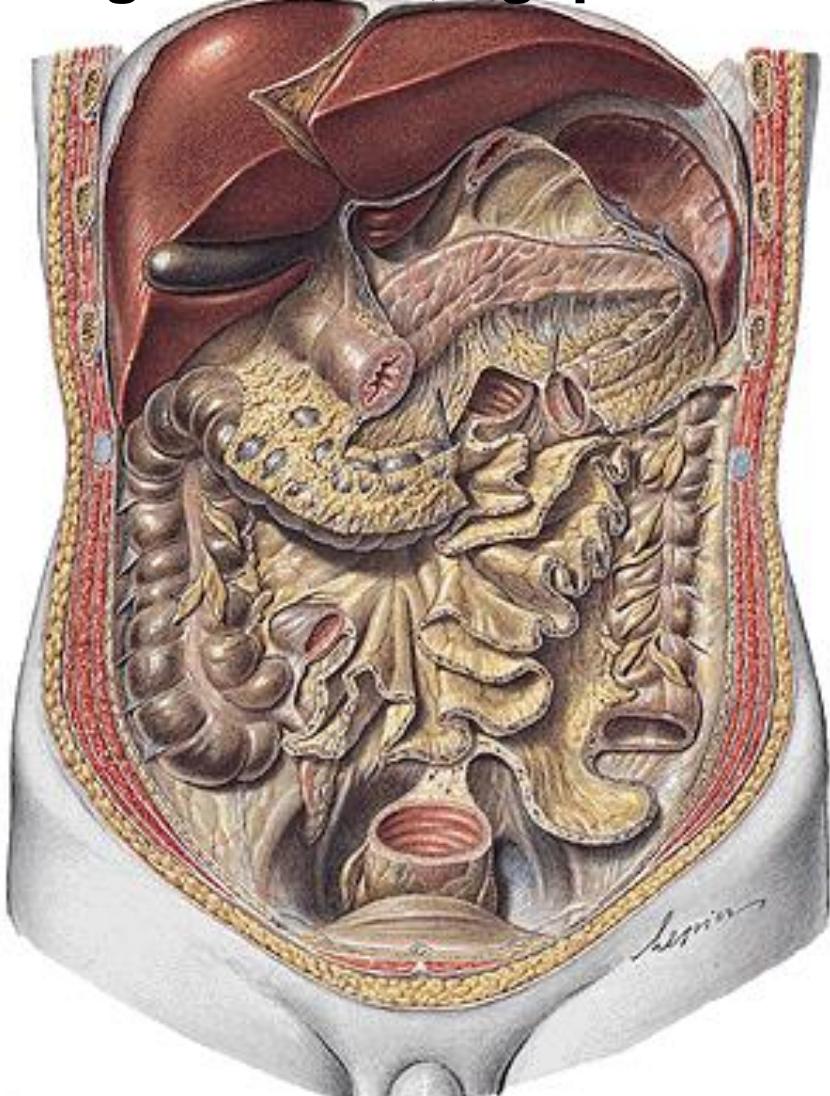
Omentum minus - lig. hepatogastricum  
- lig. hepatoduodenale - a. hepatica propria  
- v. portae  
- ductus hepaticus  
comm.



**Omentum majus**  
- lig. gastrocolicum

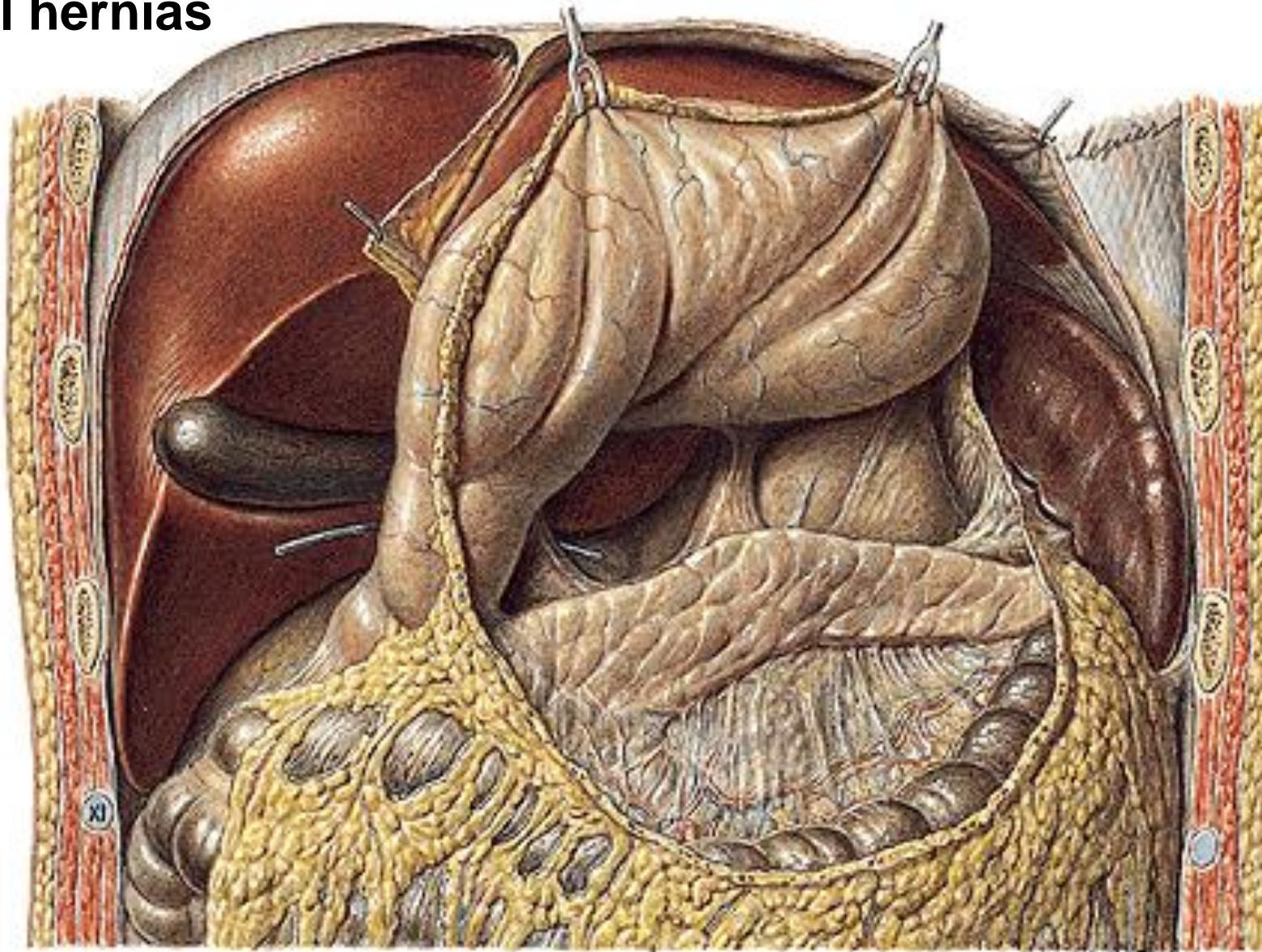


**Lig. gastrosplenicum, phrenicosplenicum, splenorenale**  
**Mesenterium – radix mesenterii**  
**Mesocolon transversum, mesoappendix, mesocolon**  
**sigmoideum, lig. phrenicocolicum**

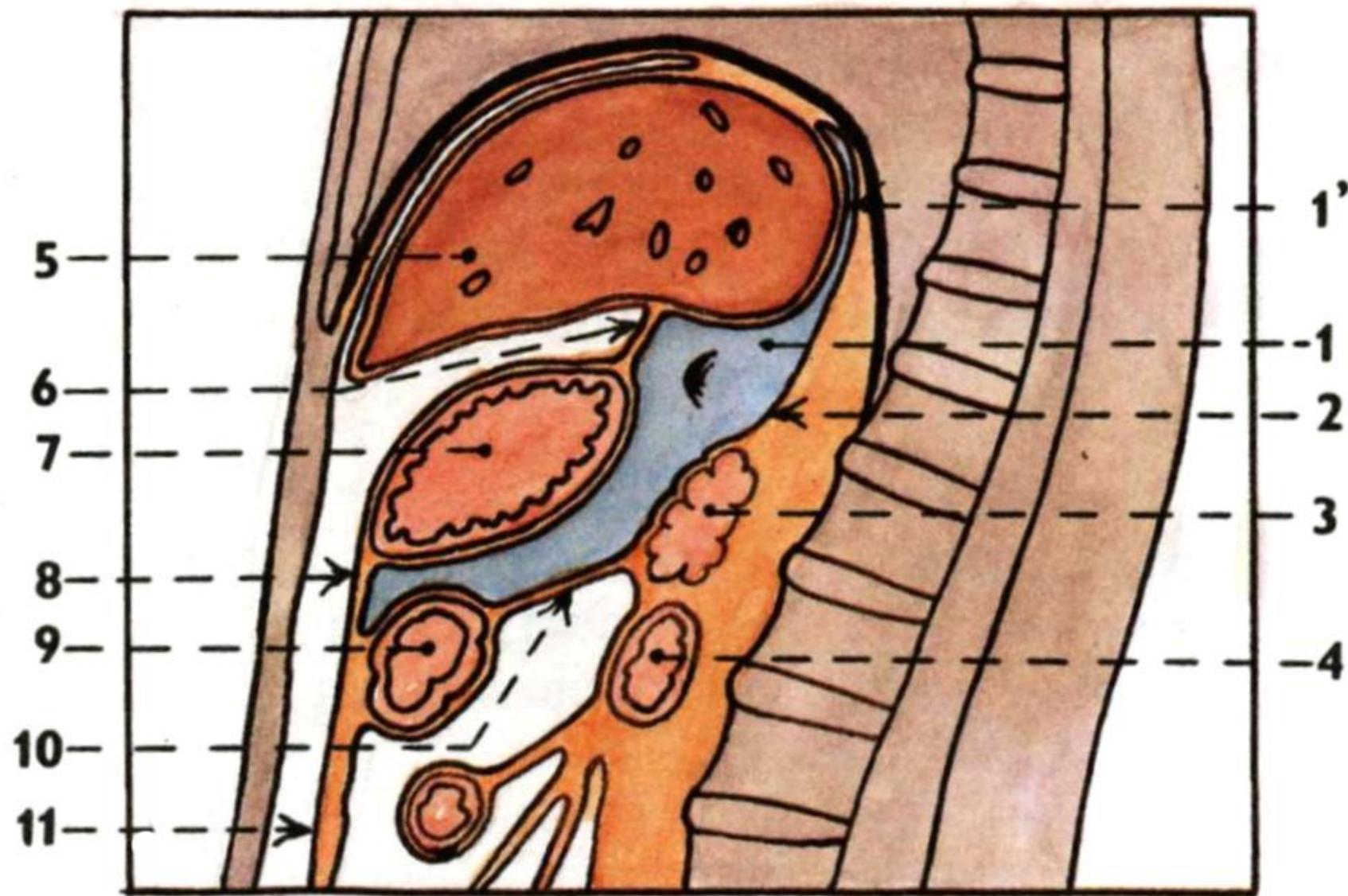


# Bursa omentalis

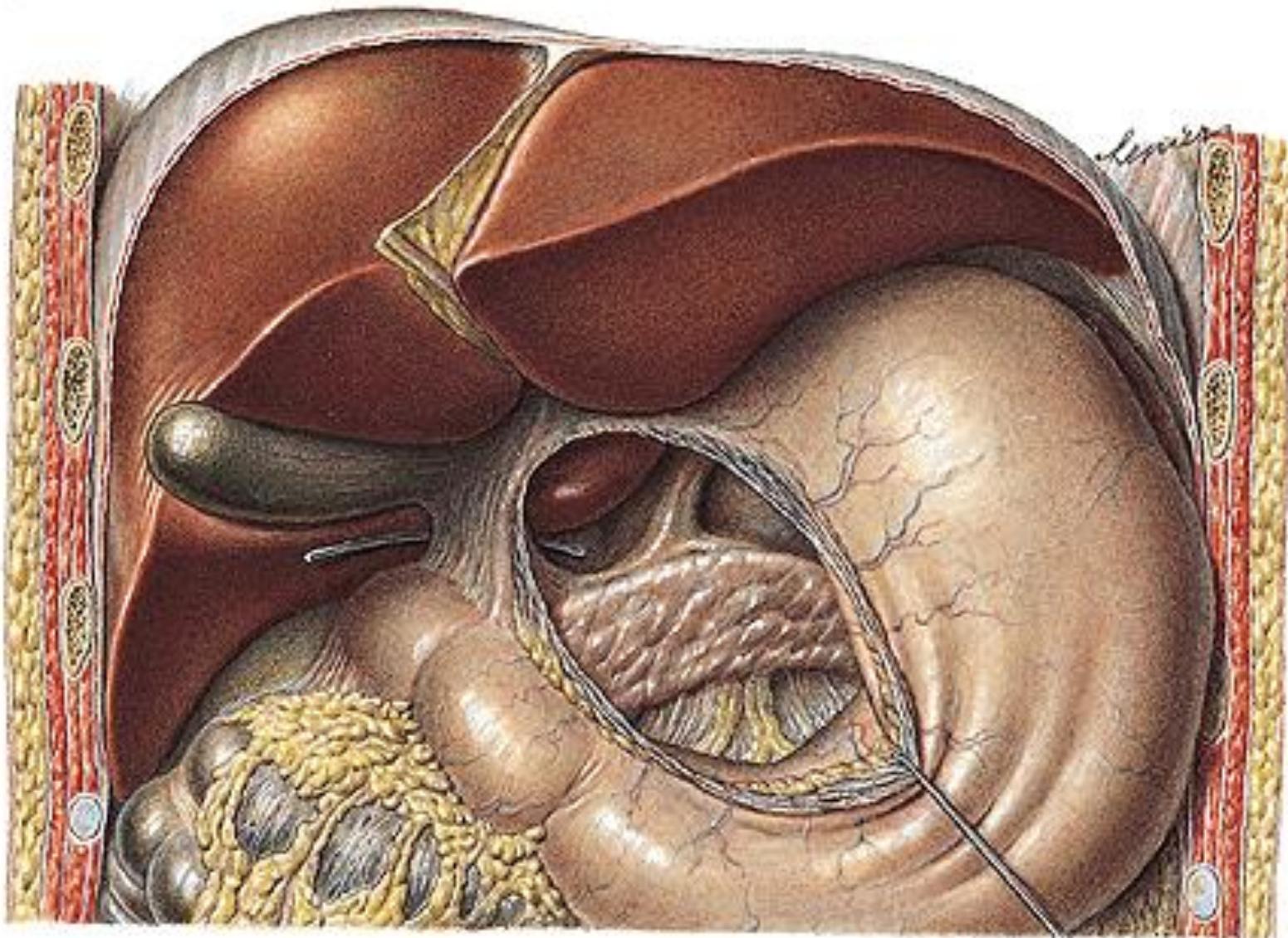
## Internal hernias



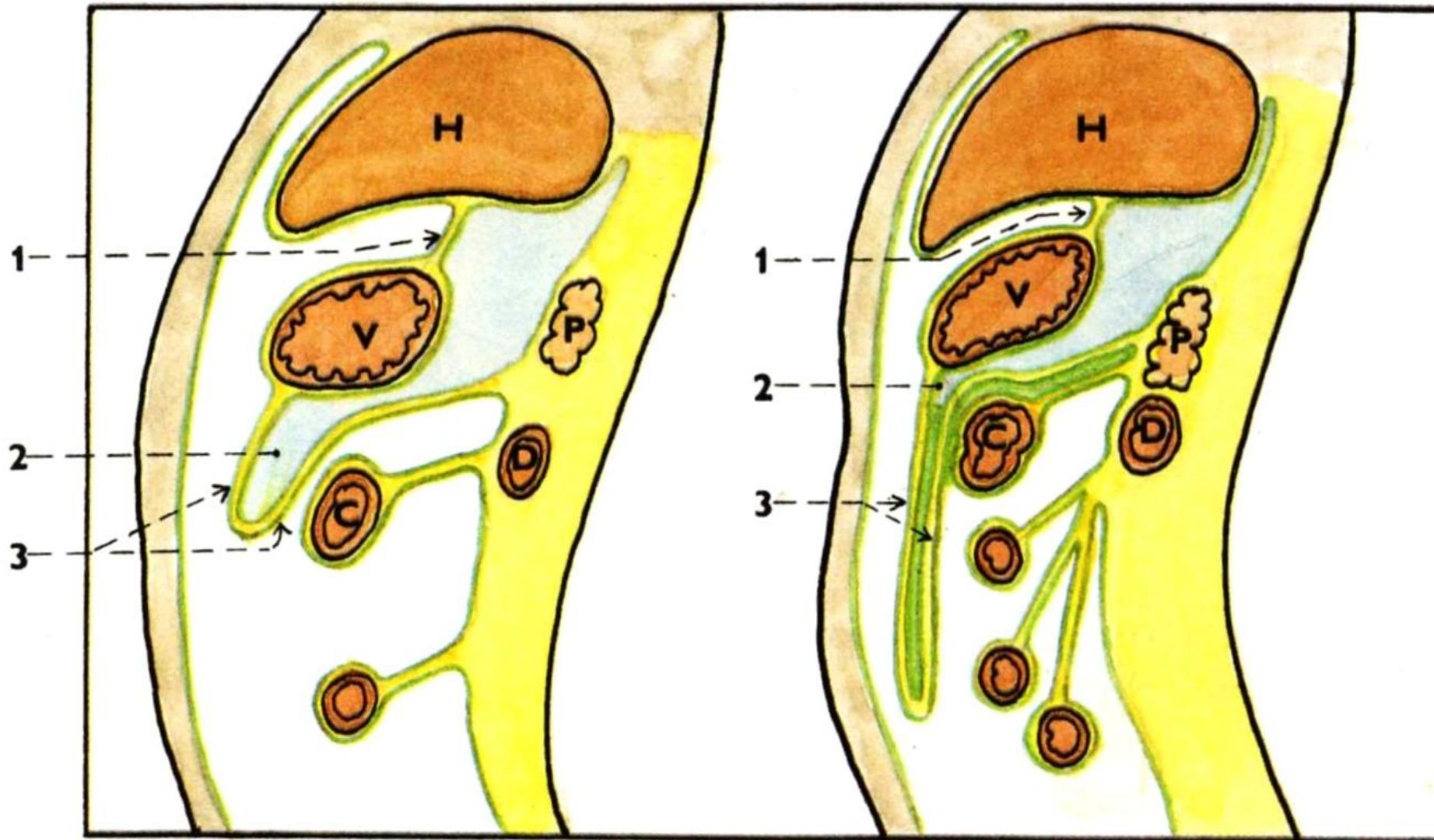
# Bursa omentalis



**Foramen epiploicum/omentale (Winslow)**  
**Recessus sup., splenicus, inf.**

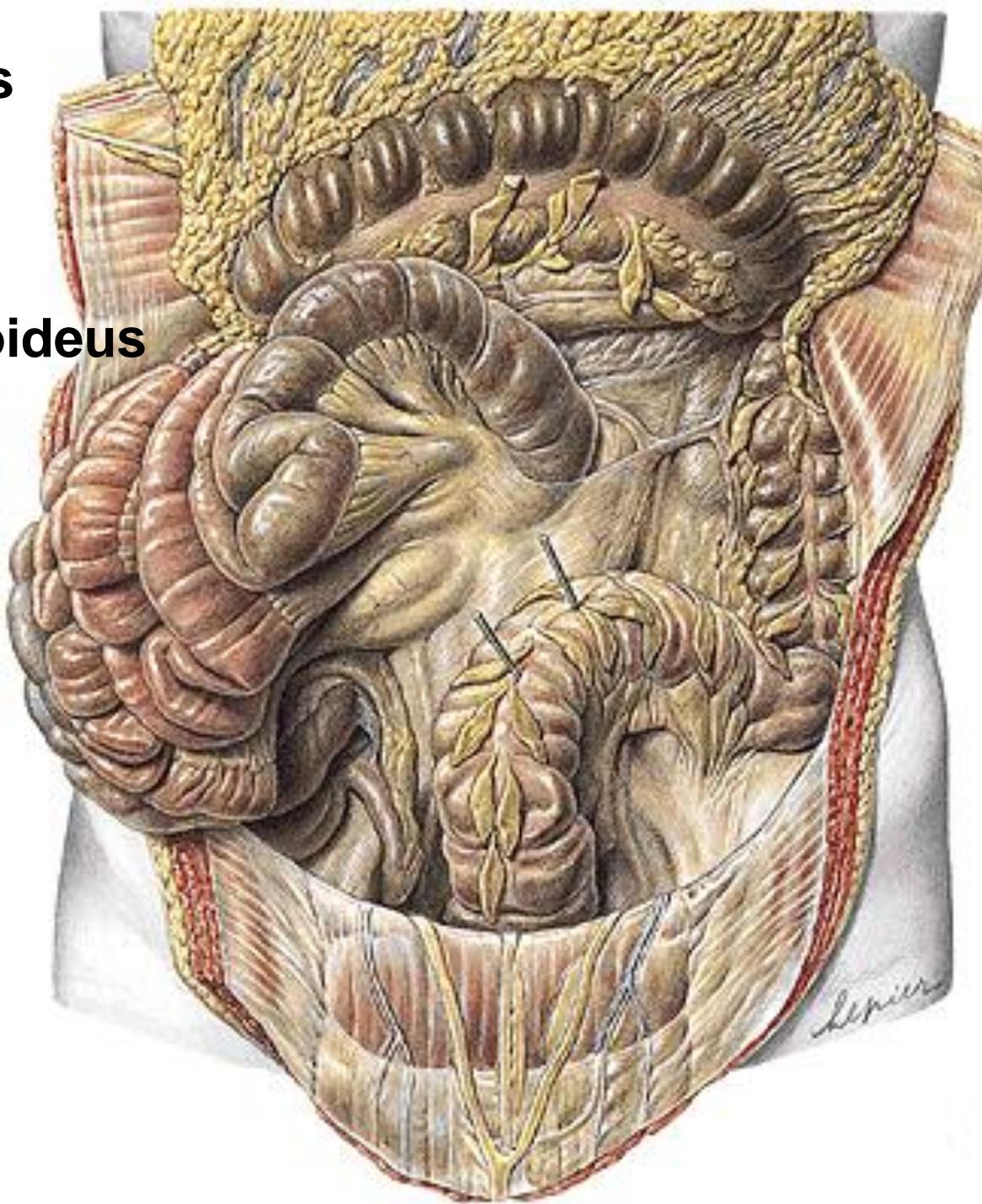


# Recessus inferior bursae omentalis



**Recessus duodenalis  
sup., inf., sinister,  
retroduodenalis**

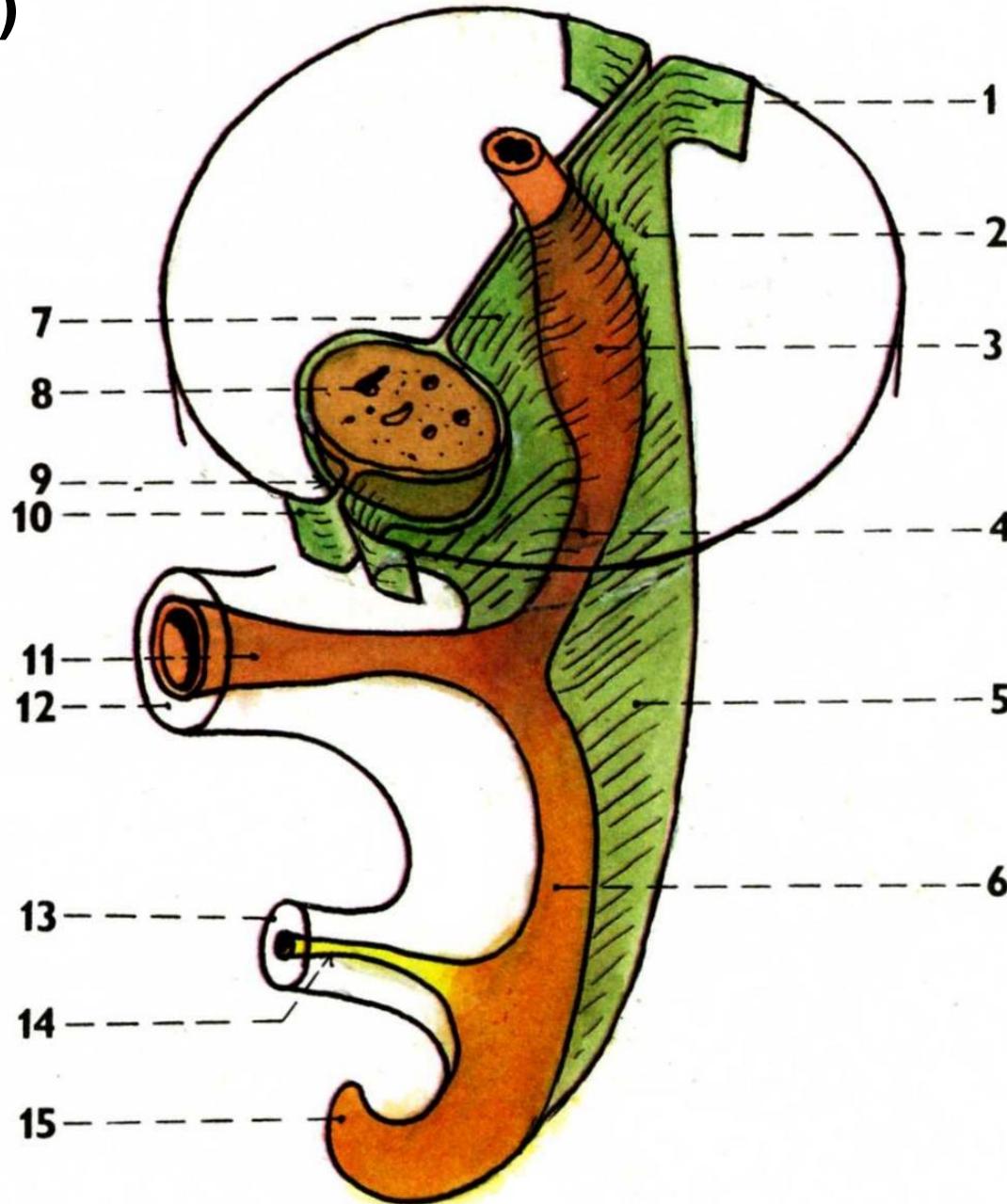
**Recessus intersigmoideus**



# **Ductus omphaloentericus Ileal diverticulum (Meckel)**

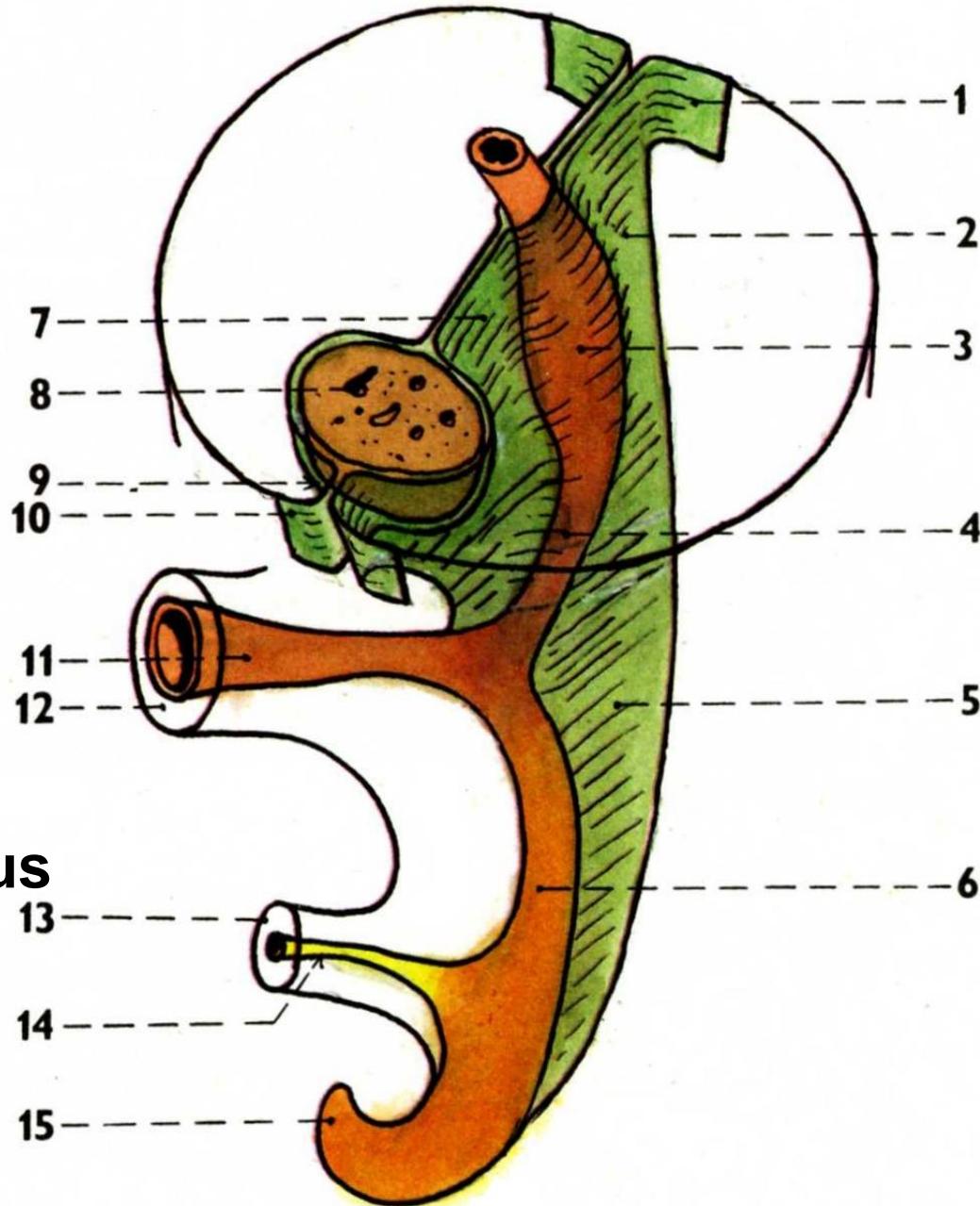


**Mesenterium dorsale**  
**Septum transversum**  
**Mesogastrium ventrale**



## Development of the peritoneum

1. peritoneum parietale
2. mesogastrium dorsale
3. anlage of the stomach
4. anlage of the duodenum
5. mesenterium
6. hindgut
7. mesogastrium ventrale
8. liver
9. mesogastrium ventrale
10. peritoneum parietale
11. ductus omphaloentericus
12. umbilicus
13. connecting stalk
14. allantois
15. hindgut



# Development of the peritoneum

16.anlage of the bursa  
omentalis

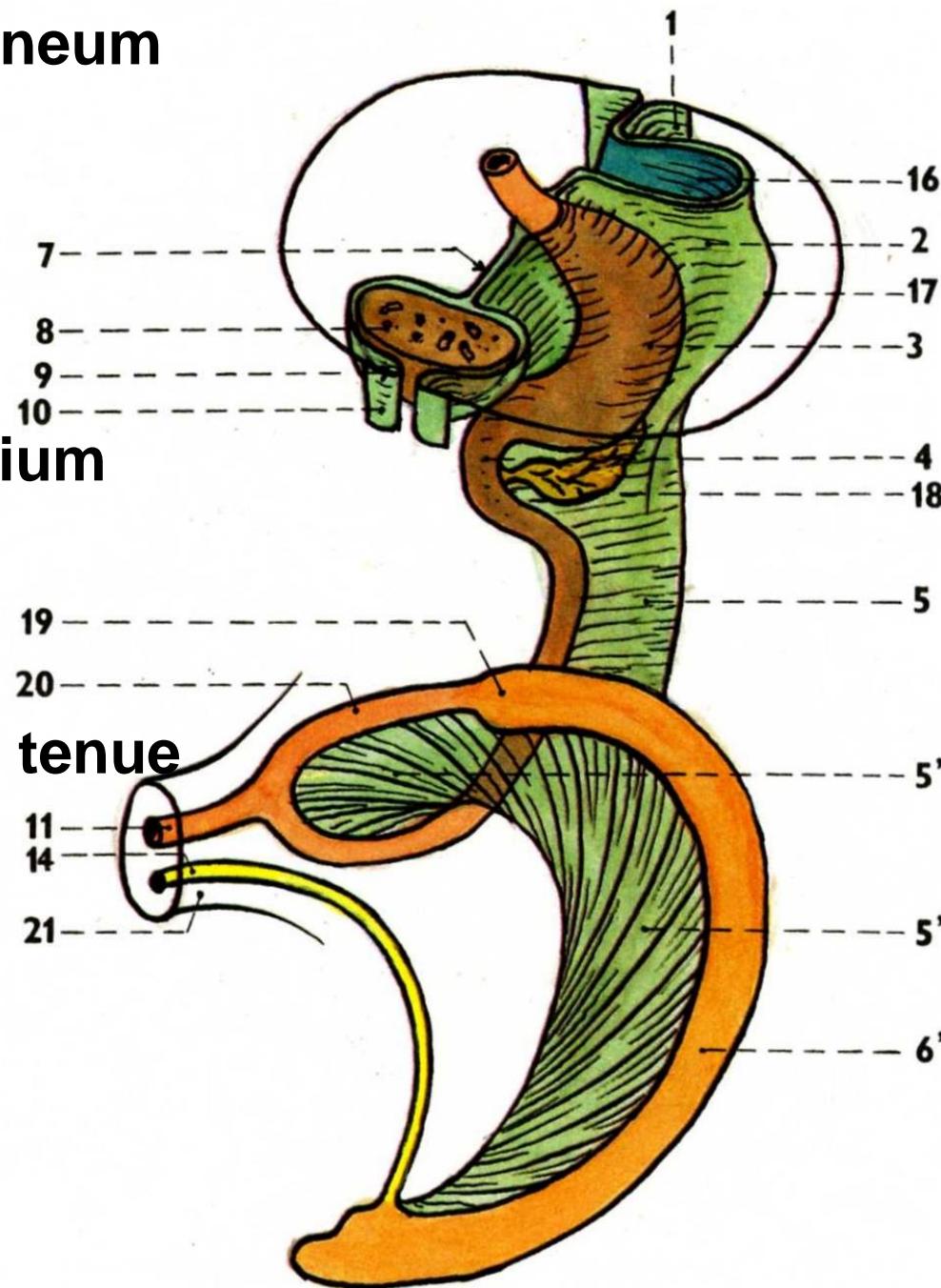
17.spleen in the mesogastrium  
dorsale

18.anlage of the pancreas

19.anlage of the caecum

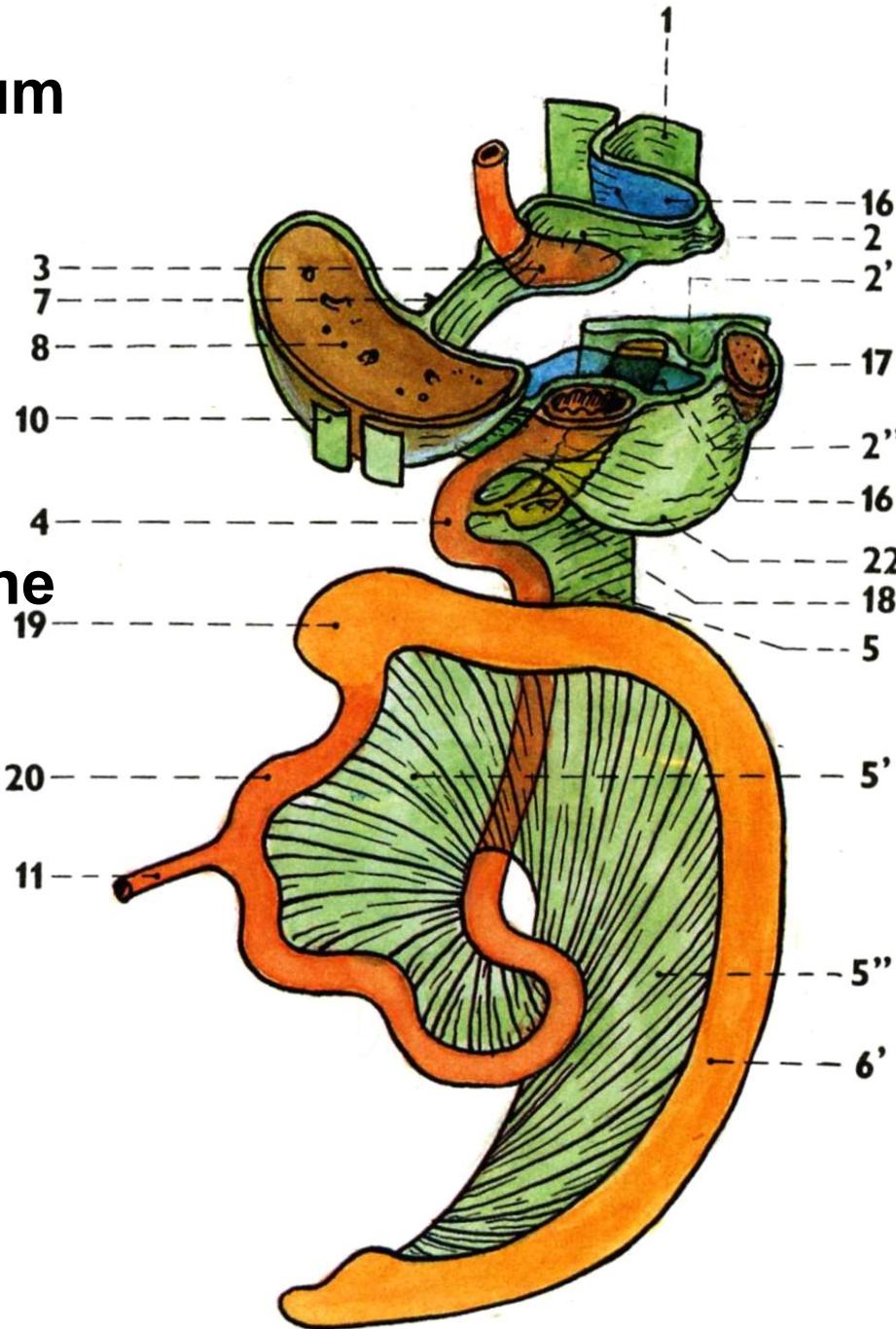
20.anlage of the intestinum tenue

21.umbilicus



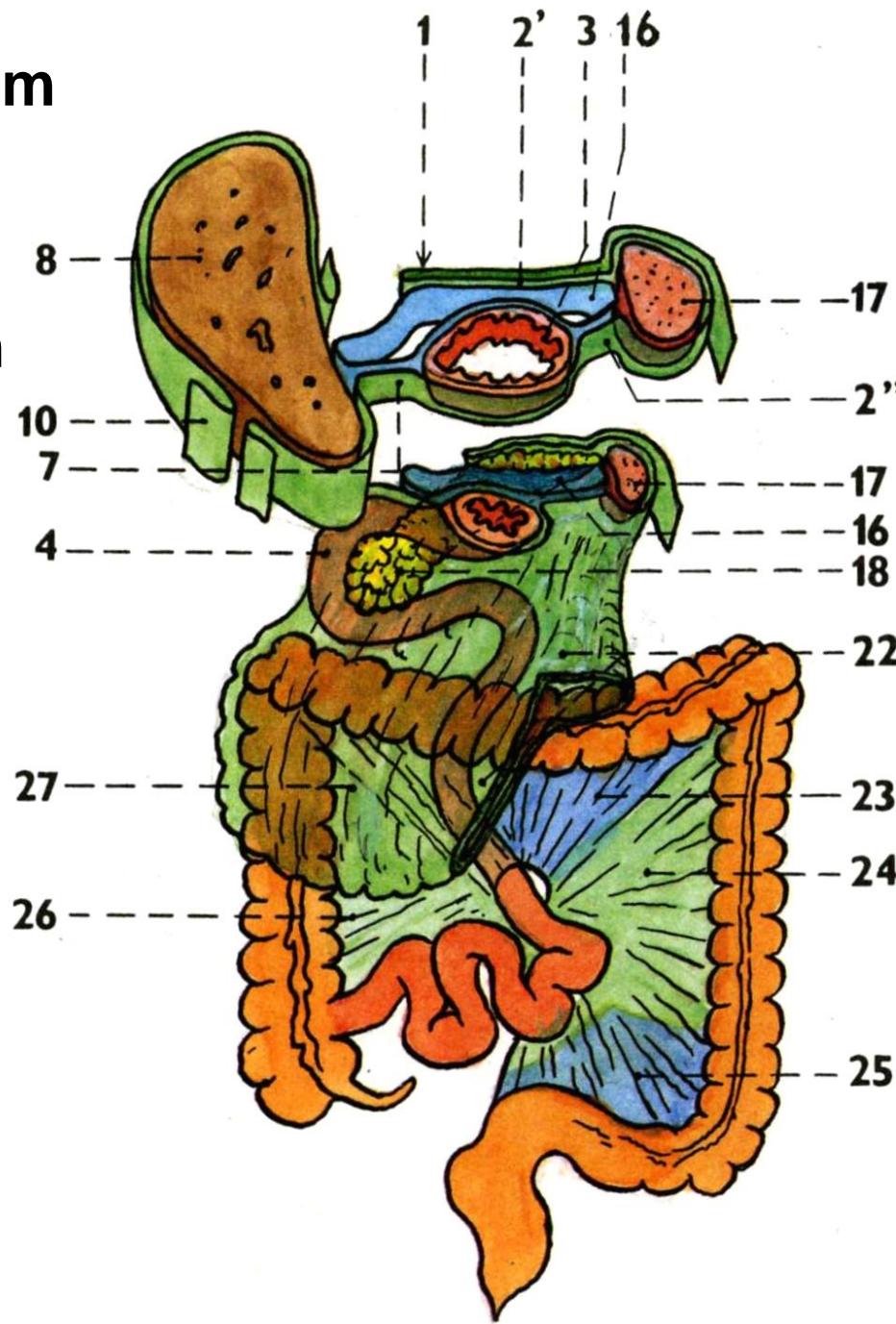
## Development of the peritoneum

- 2'. lig. phrenicolienale
- 2''. lig. gastrolienale
- 5'. mesenterium
- 5''. mesocolon
- 6'. anlage of the large intestine
- 22. omentum majus



## Development of the peritoneum

- 23. mesocolon transversum
- 24. mesentery of the colon descendens
- 25. mesocolon sigmoideum
- 26. mesentery of the colon ascendens
- 27. omentum majus



Illustrations 34, 43, 45, 47-49 were copied from:

**Čihák R: Anatomie 2 (Splanchnologia). Avicenum,  
zdravotnické nakladatelství, Praha, 1988.**

Remaining illustrations, photographs, and radiographs were  
copied from:

**Atlas der Anatomie des Menschen/Sobotta.  
Putz,R., und Pabst,R. 20. Auflage. München:  
Urban & Schwarzenberg, 1993**