

DIGESTIVE SYSTEM I.

ORAL CAVITY

DENTITION

GASTROINTESTINAL TRACT – GIT (APPARATUS DIGESTORIUS)

Oral cavity (Cavitas oralis)

Pharynx

Oesophagus

Stomach (Ventriculus)

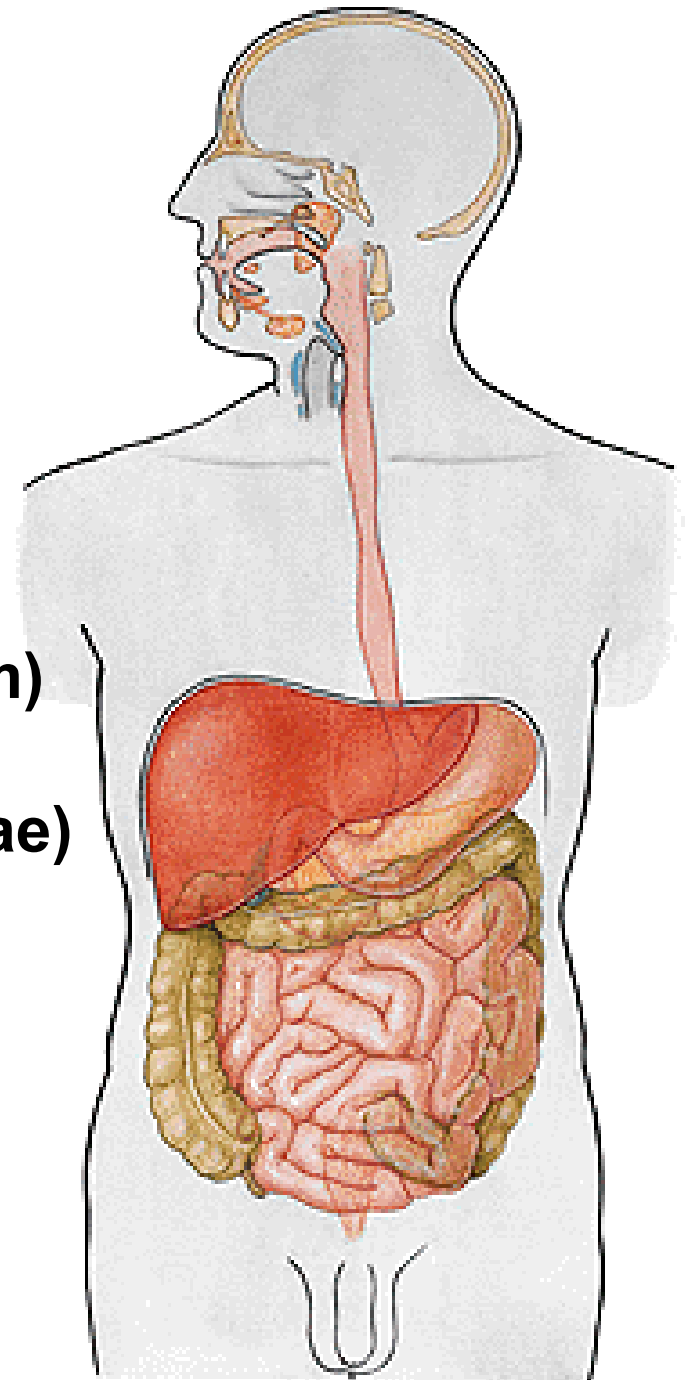
Small intestine (Intestinum tenue)

Large intestine (Intestinum crassum)

Salivary glands (Glandulae salivariae)

Liver (Hepar)

Pancreas



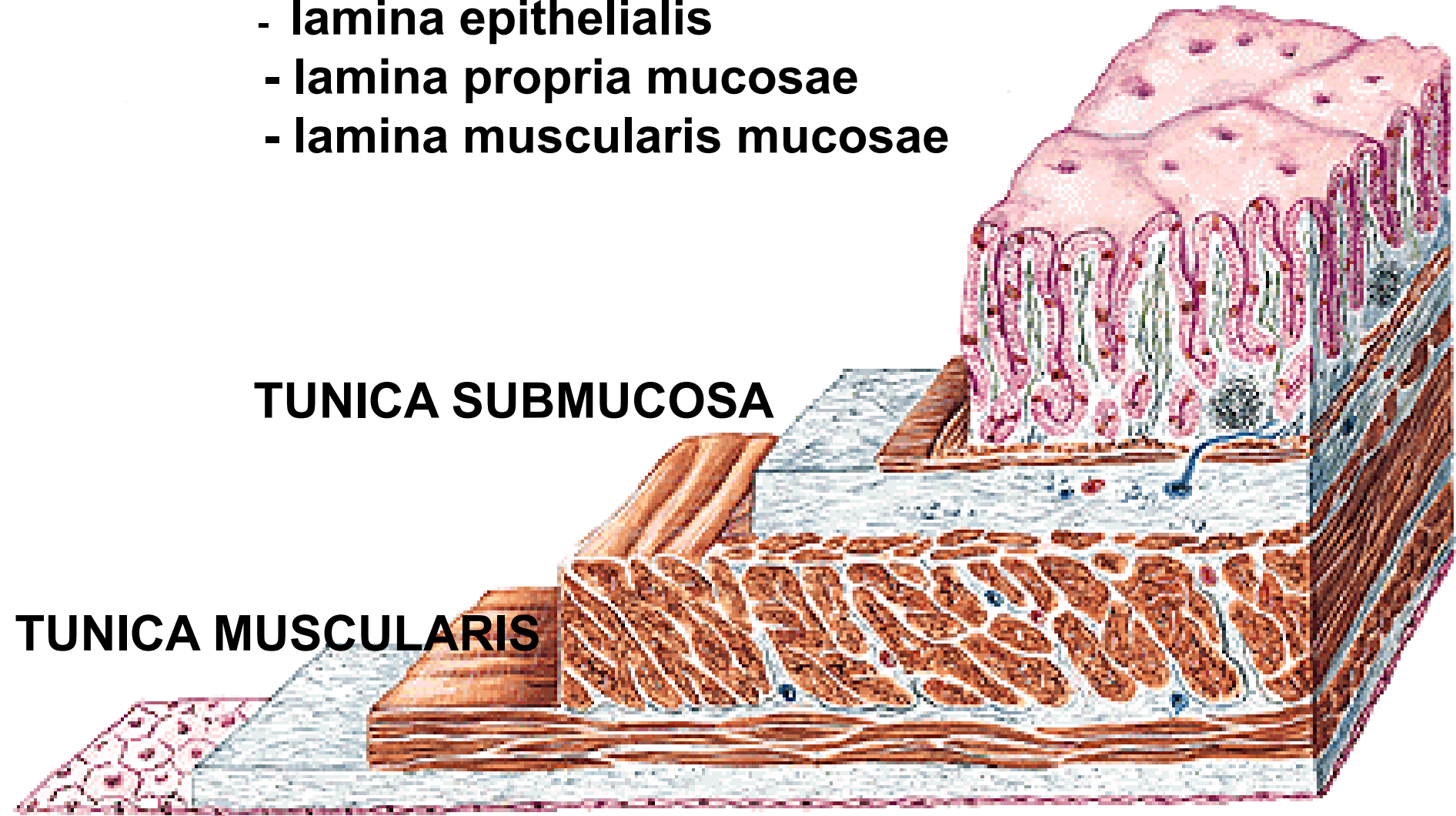
TUNICA MUCOSA

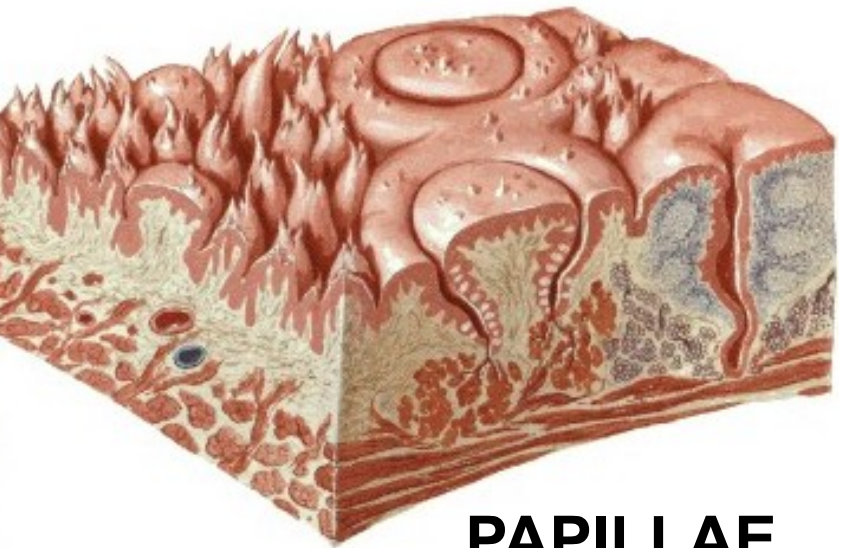
- lamina epithelialis
- lamina propria mucosae
- lamina muscularis mucosae

TUNICA SUBMUCOSA

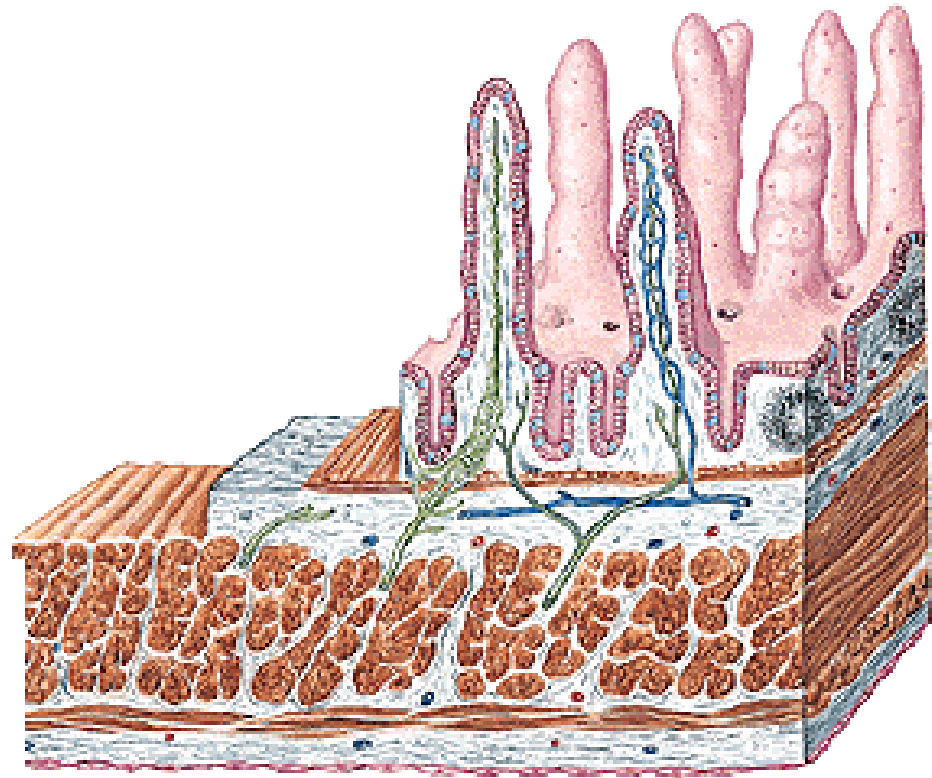
TUNICA MUSCULARIS

TUNICA ADVENTITIA (TUNICA SEROSA=visceral peritoneum)

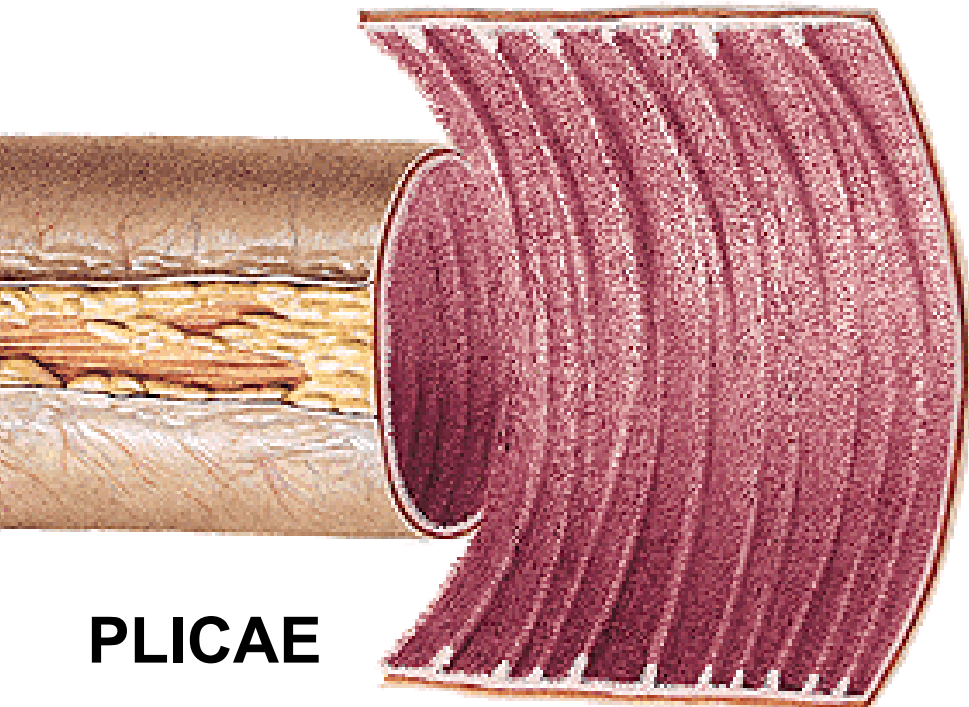




PAPILLAE



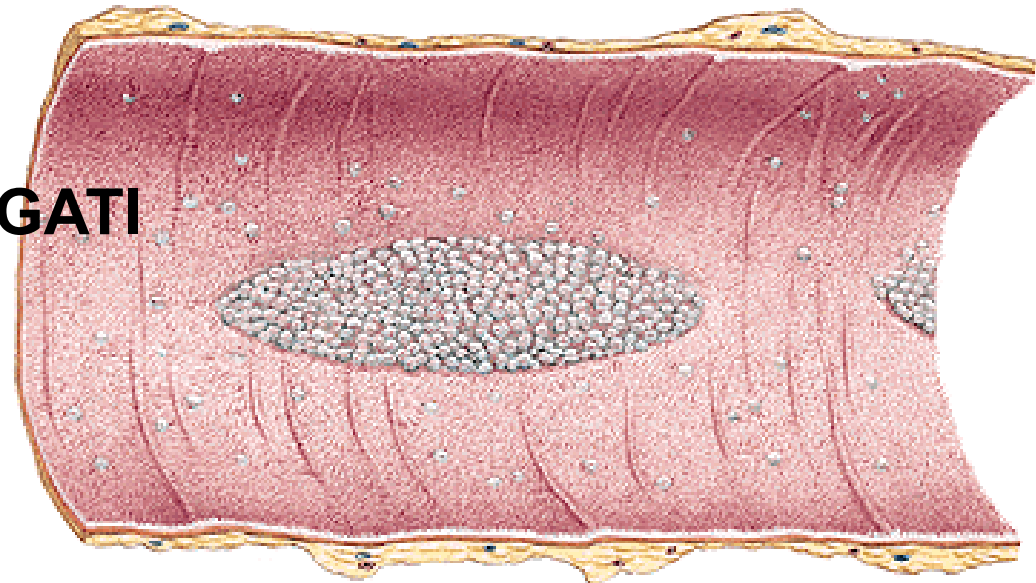
VILLI INTESTINALES



PLICAE



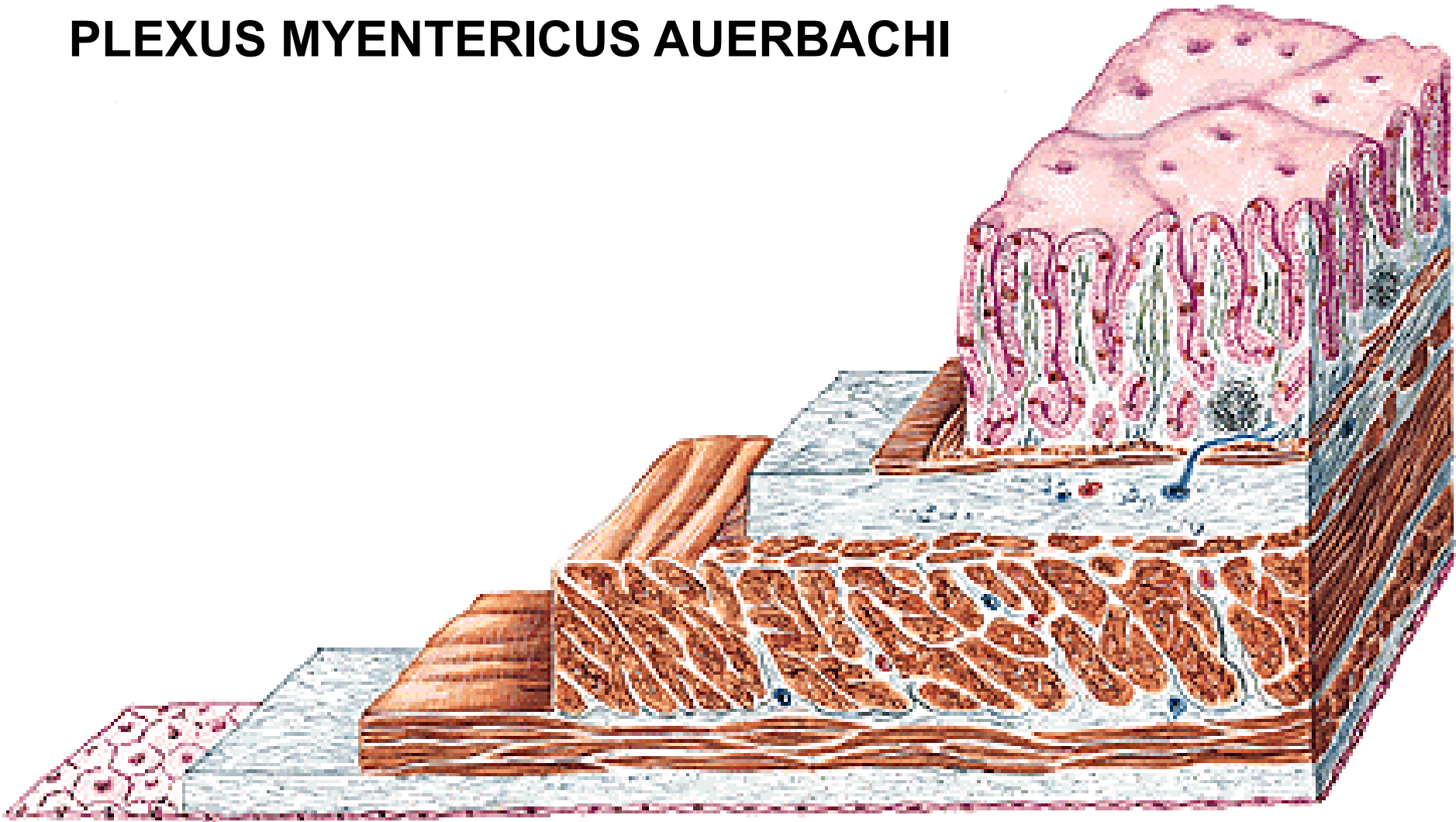
**FOLLICULI
LYMPHATICI SOLITARII**



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

PLEXUS SUBMUCOSUS MEISSNERI

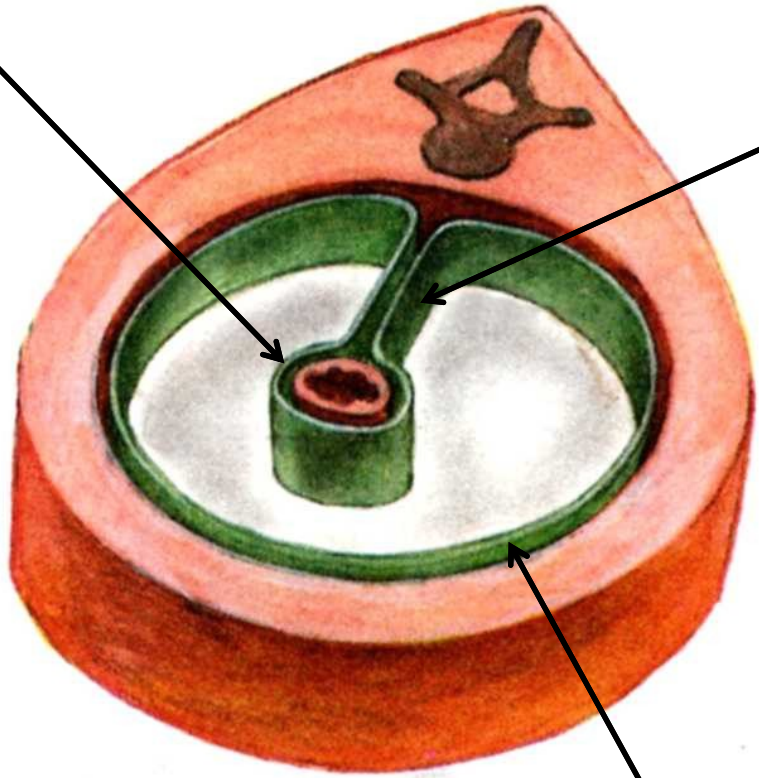
PLEXUS MYENTERICUS AUERBACHI



TUNICA ADVENTITIA (TUNICA SEROSA=visceral peritoneum)

Peritoneum viscerale

Mesenterium

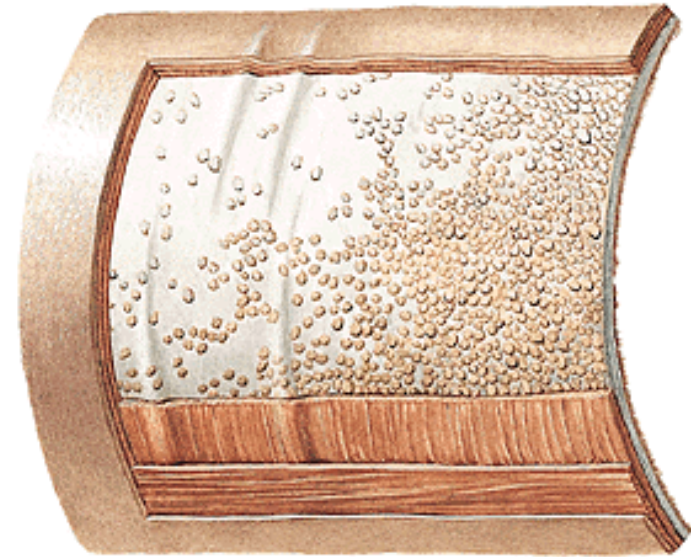


Peritoneum parietale

GLANDS OF GIT:

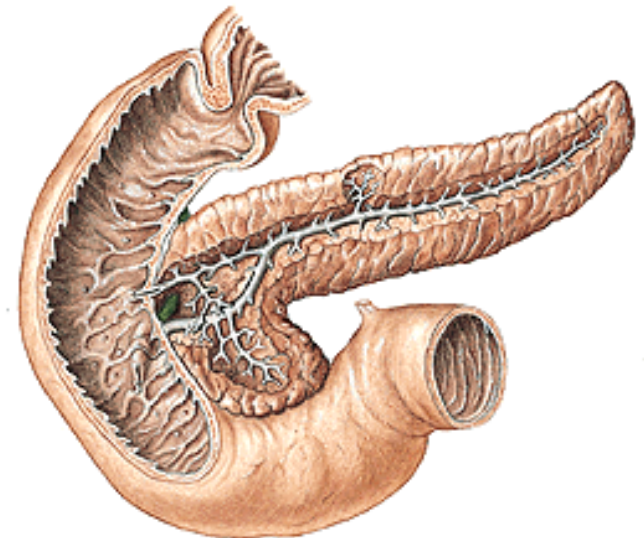
Intramural – goblet cells

- small salivary glands
- glandulae duodenales



Extramural – great salivary glands

- liver
- pancreas



Regio oralis

Regio frontalis

Regio orbitalis

Regio nasalis

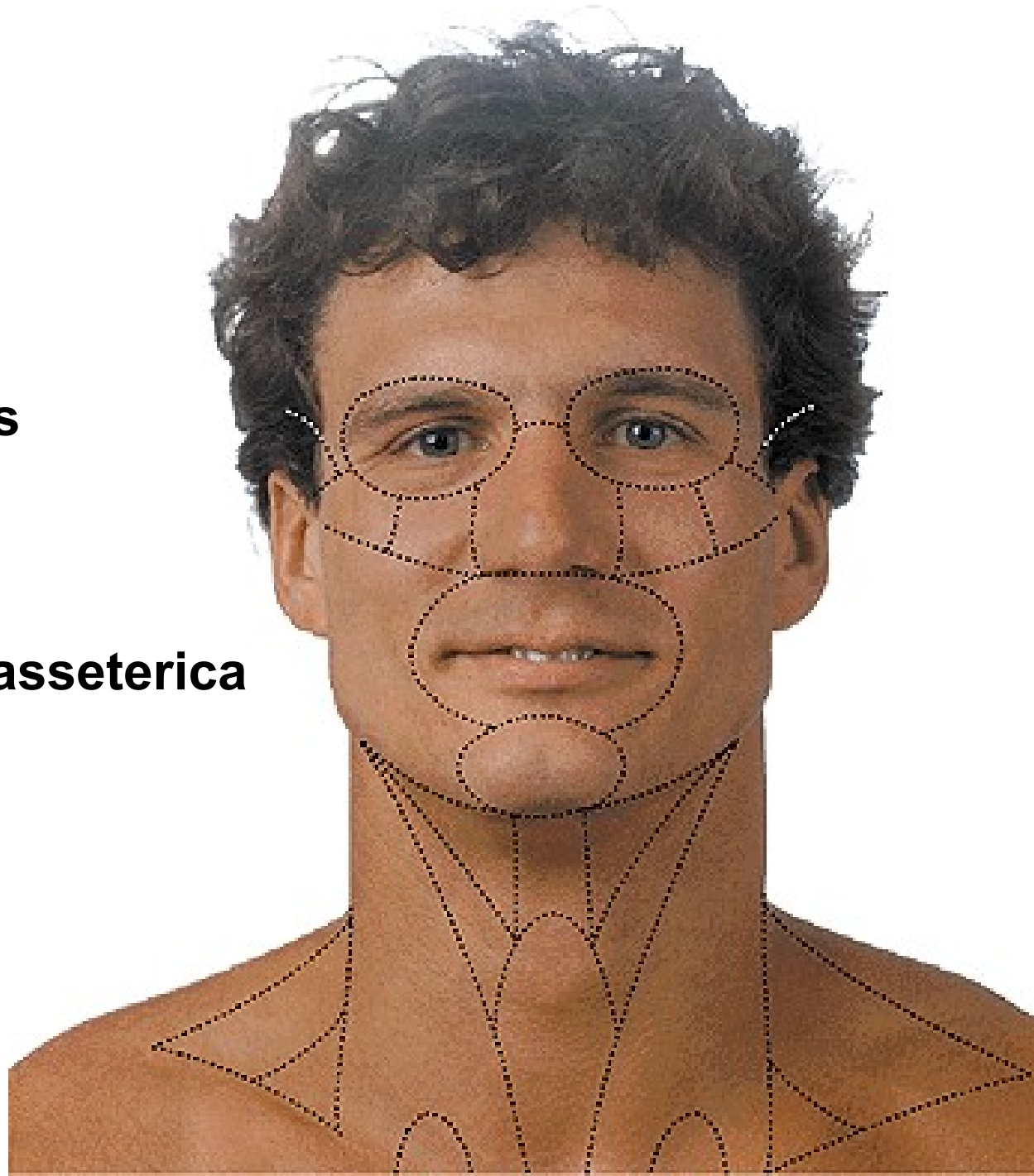
Regio infraorbitalis

Regio zygomatica

Regio mentalis

Regio buccalis

Regio parotideomasseterica

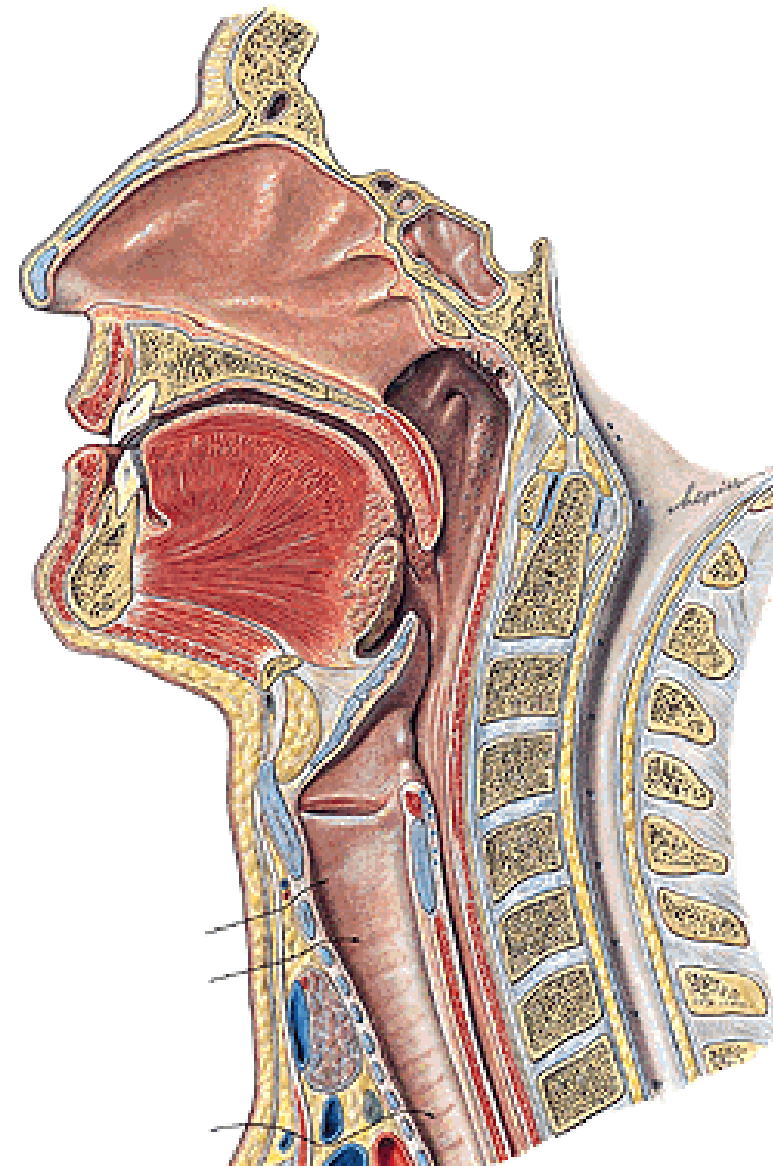
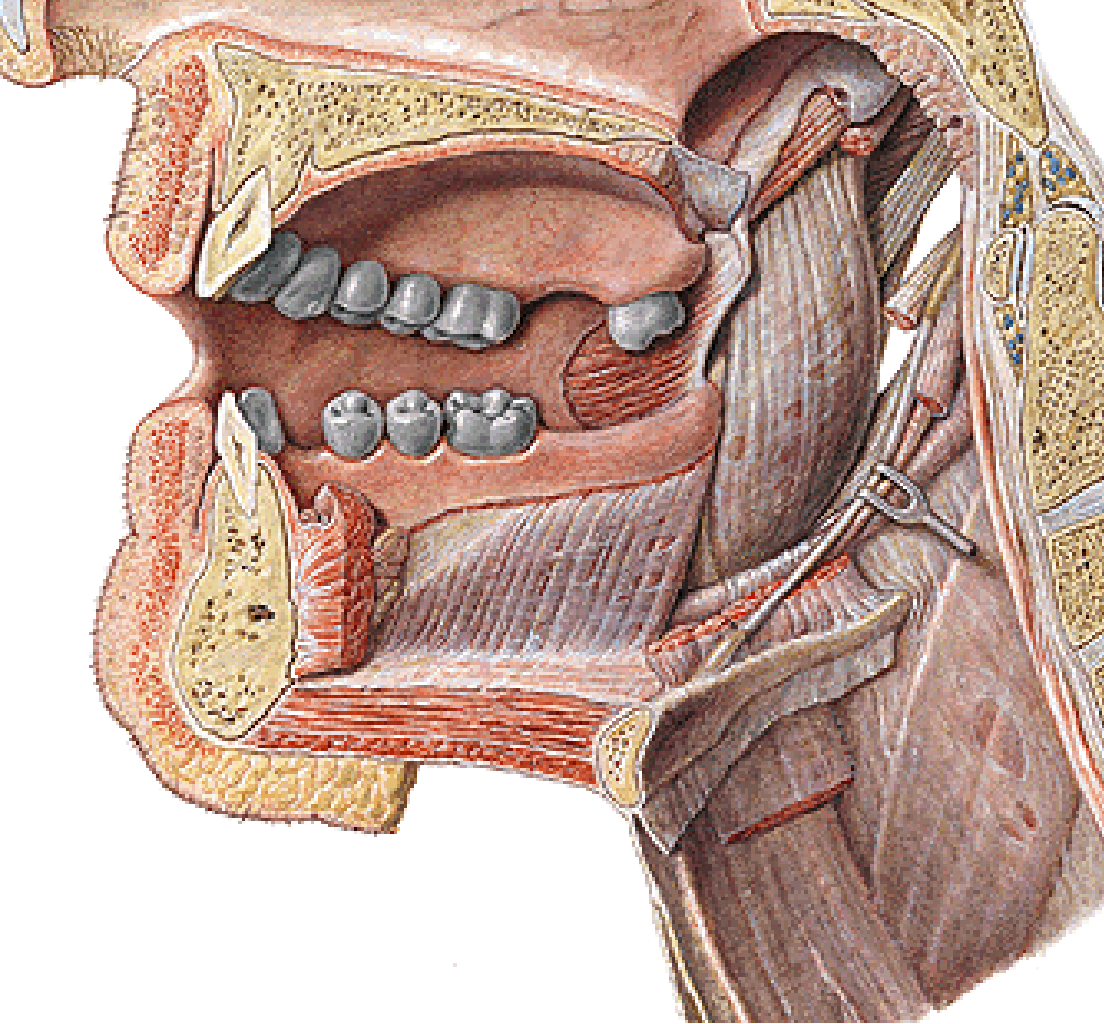


**CAVUM ORIS
(CAVITAS ORIS)**

Rima oris

Isthmus faucium





CAVUM ORIS

- vestibulum oris**
- cavum oris proprium**

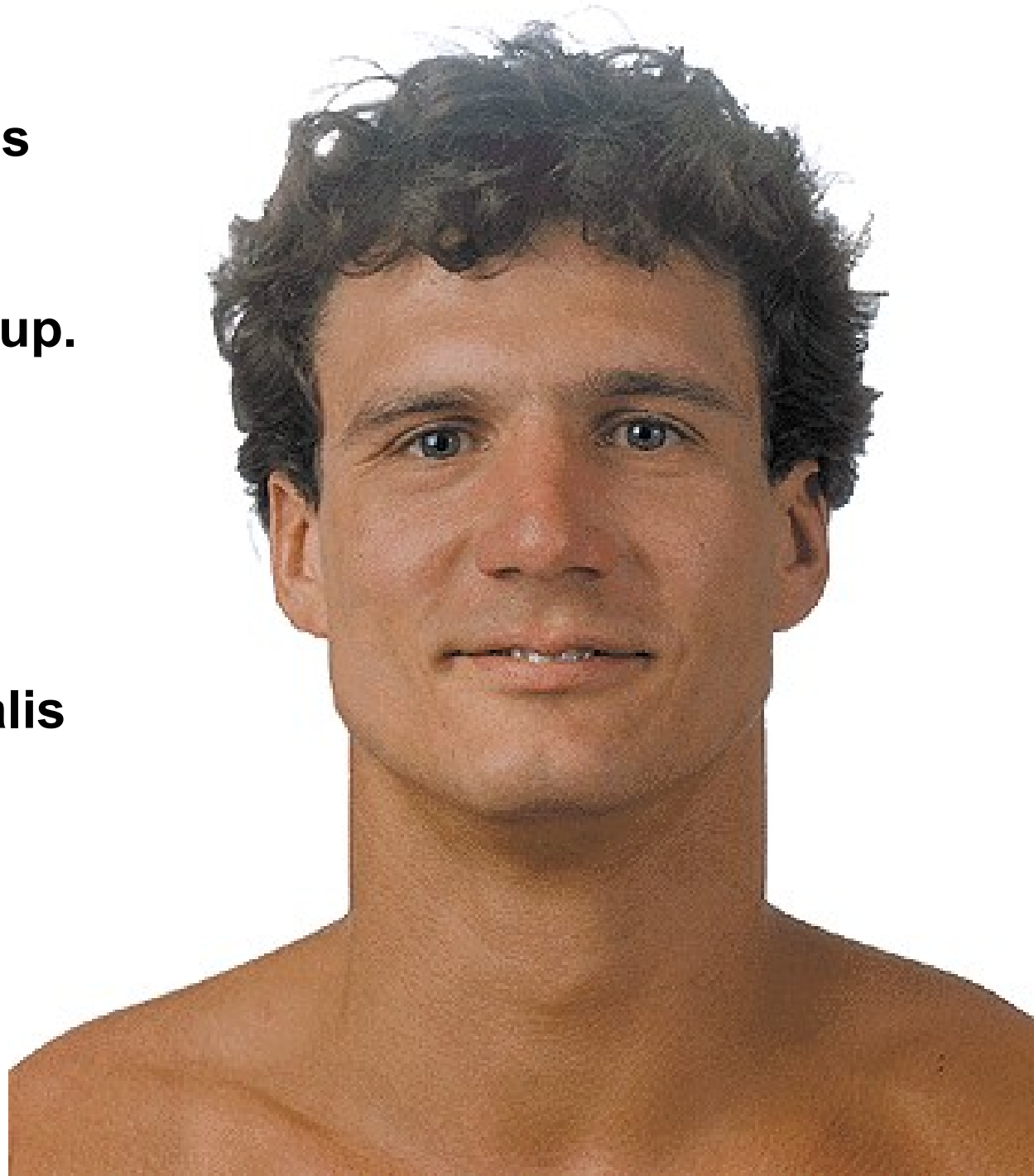
Labium superius

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

Labium inferius

- **sulcus mentolabialis**

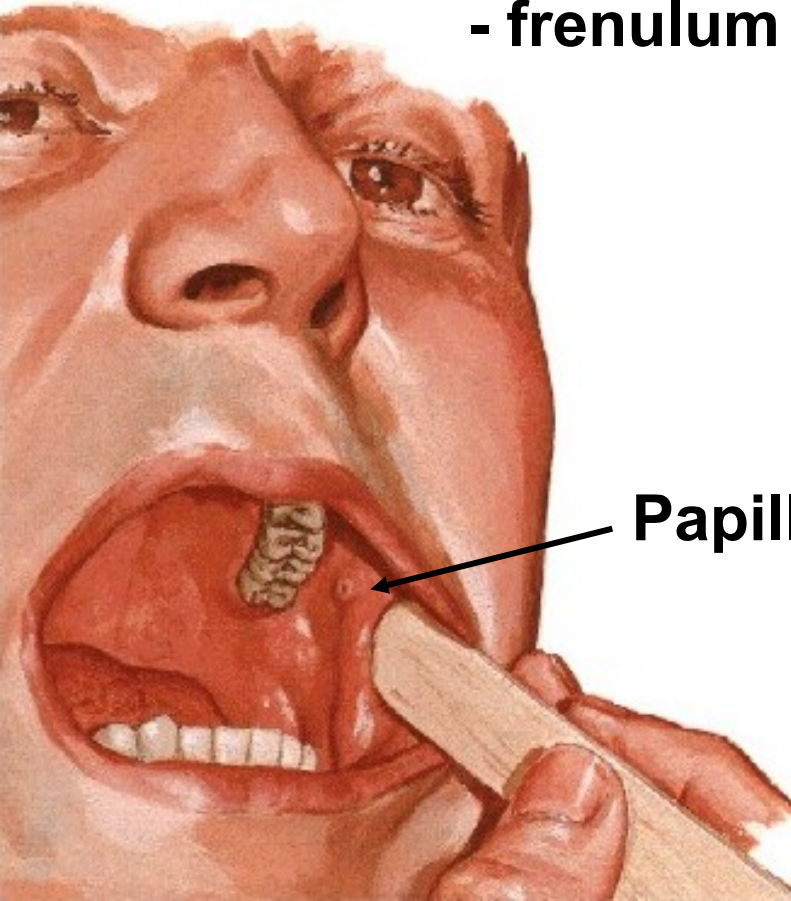
Anguli oris



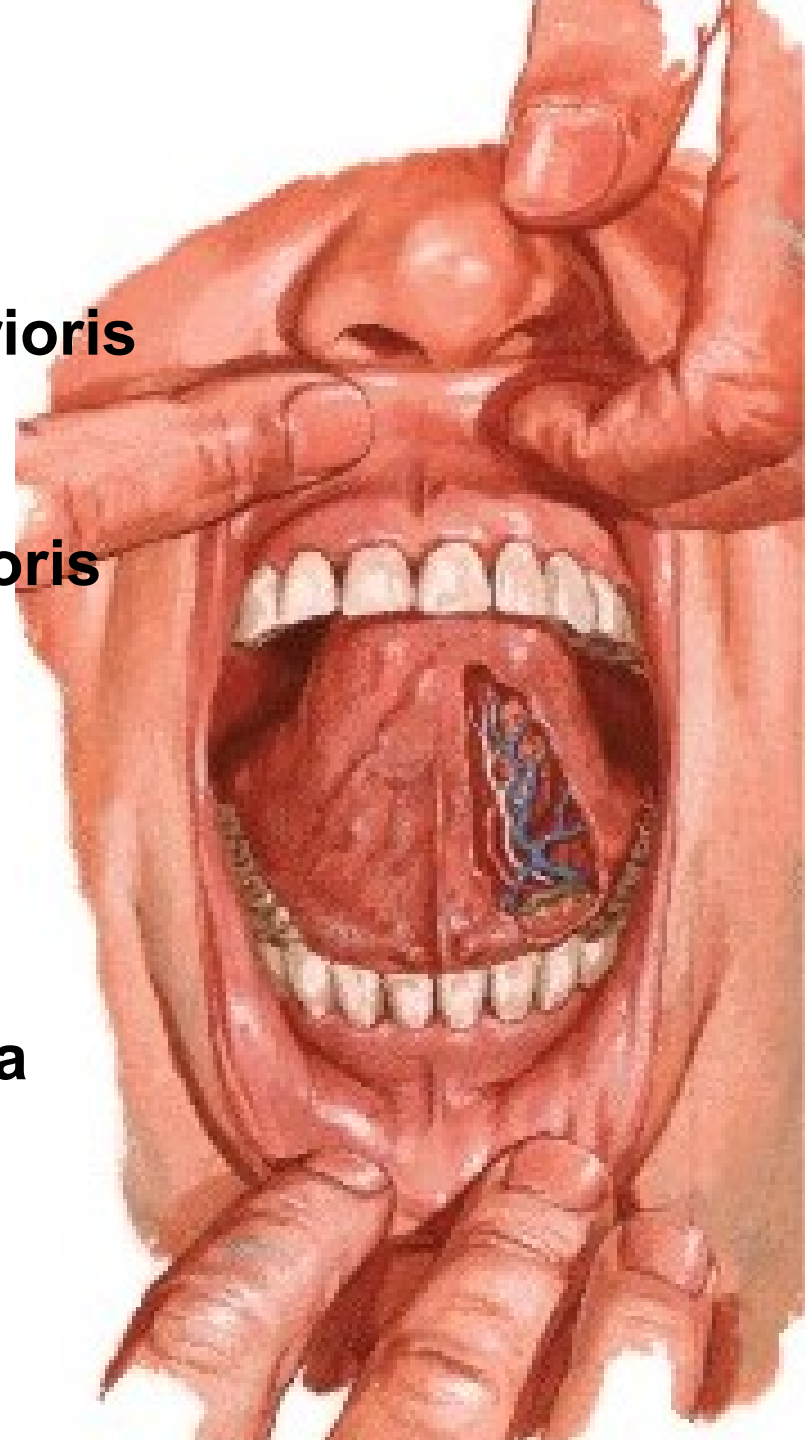
VESTIBULUM ORIS

Fornix vestibuli sup.
- frenulum labii superioris

Fornix vestibuli inf.
- frenulum labii inferioris



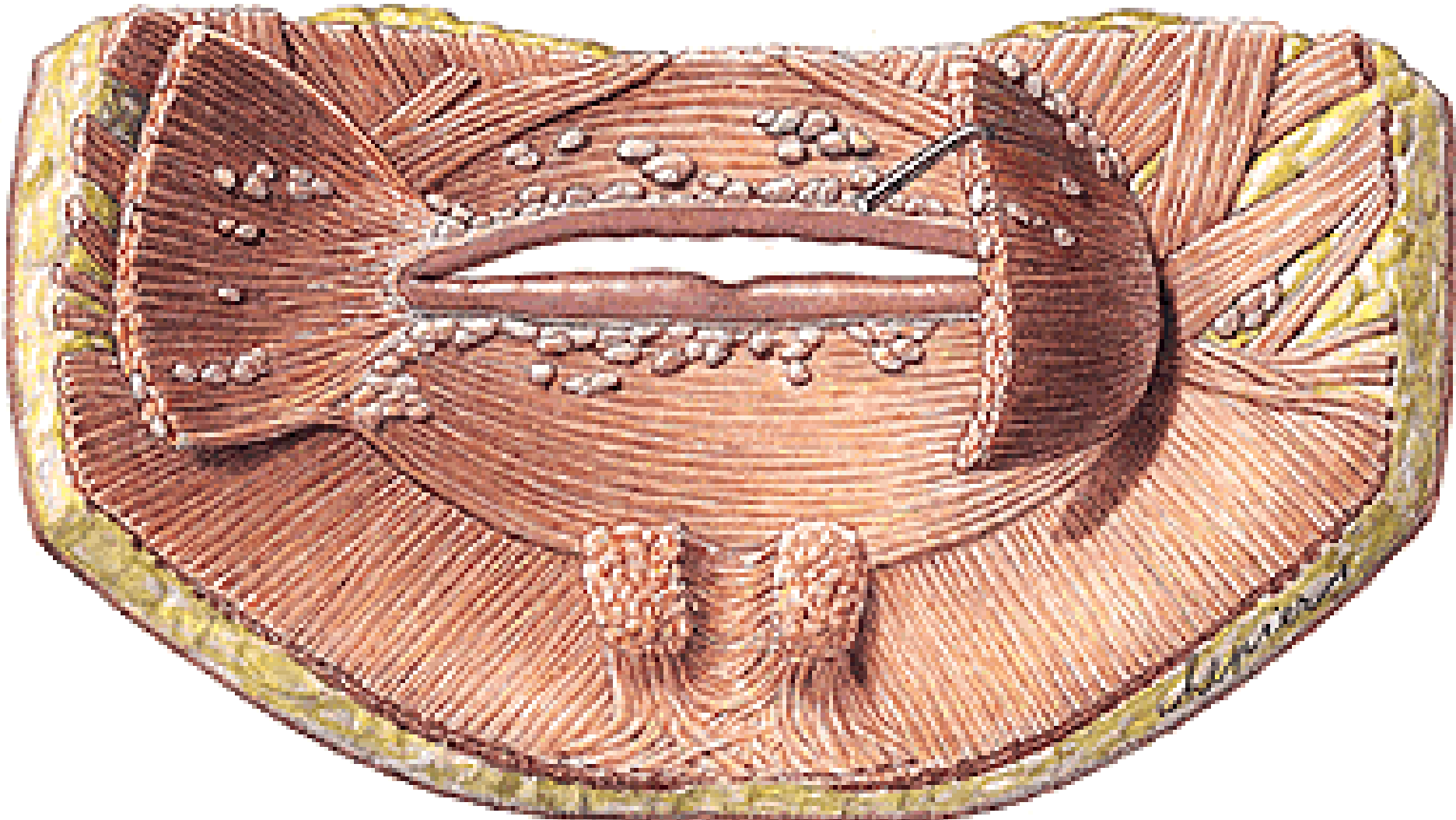
Papilla parotidea

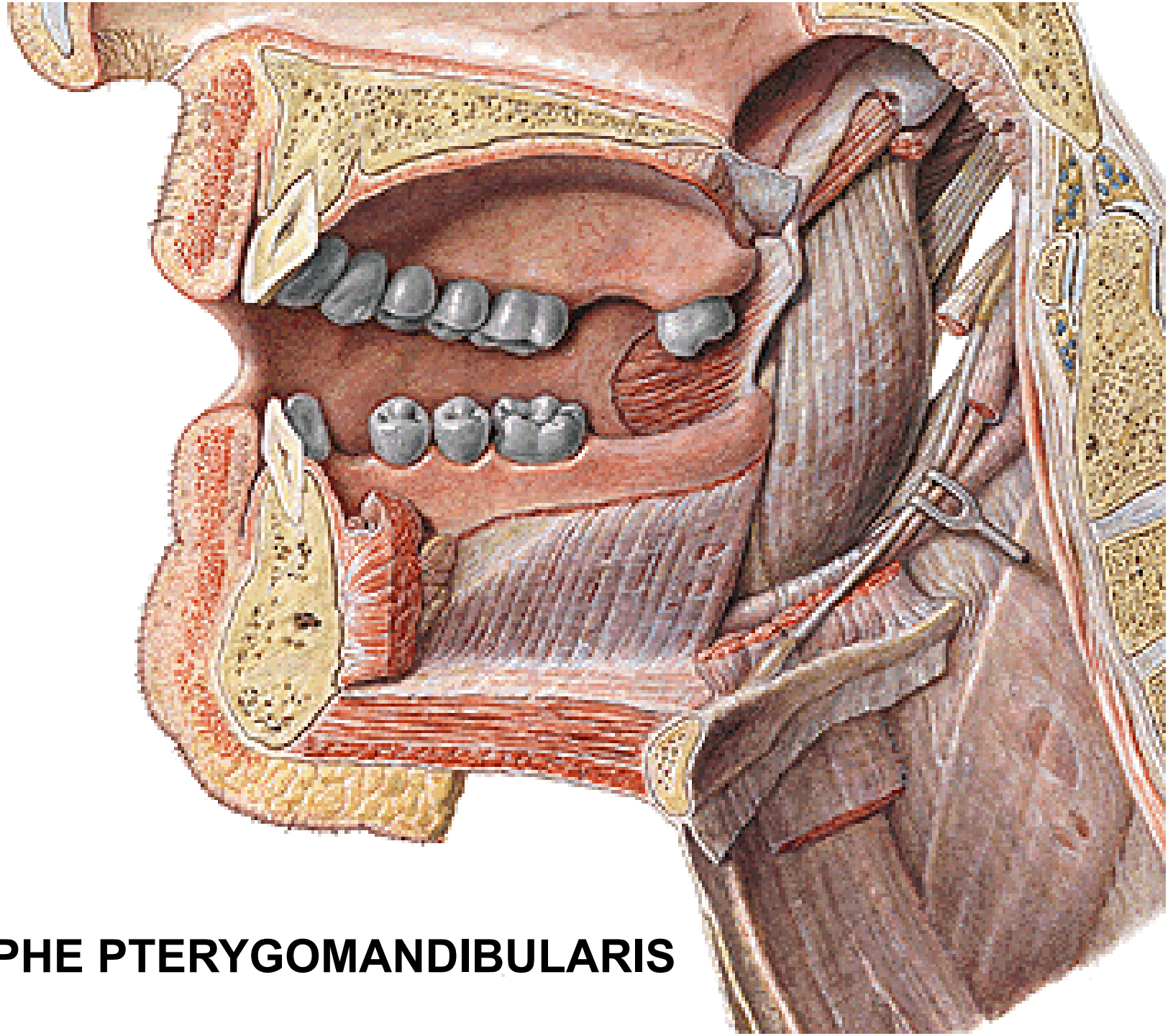


Glandulae labiales, buccales, molares

M. orbicularis oris

M. buccinator





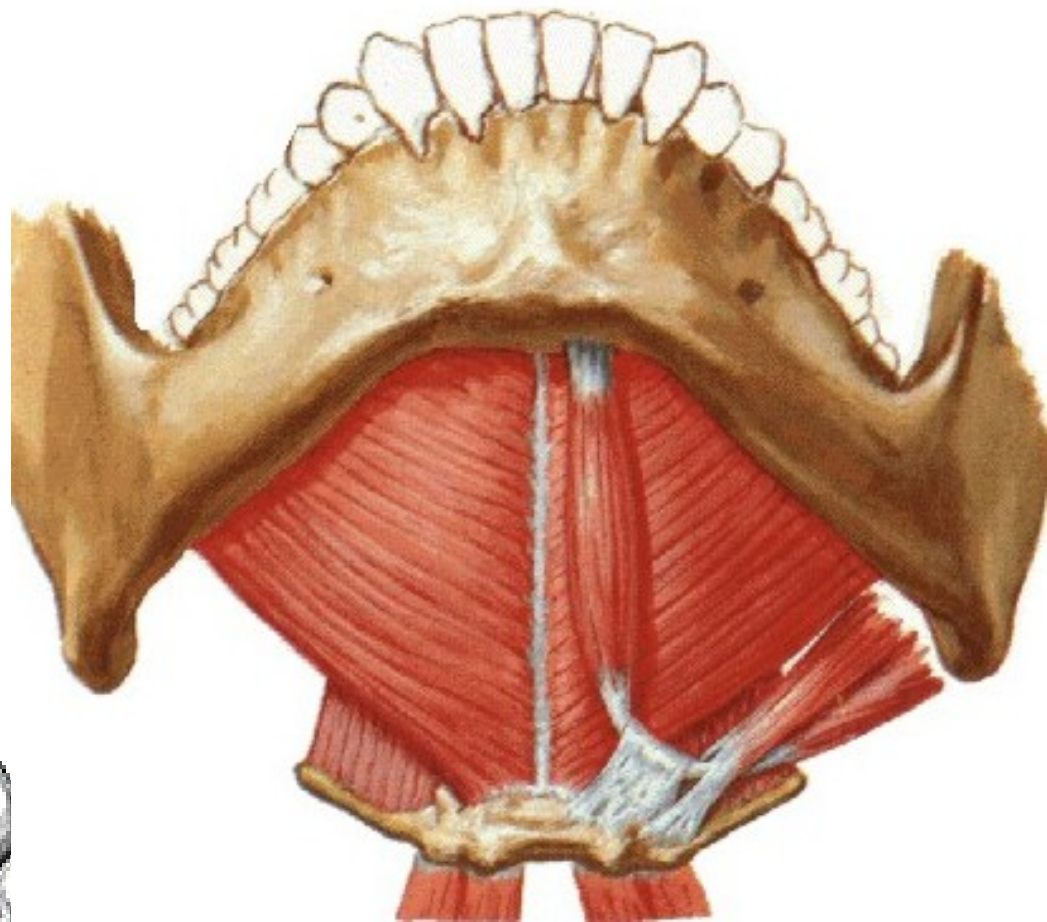
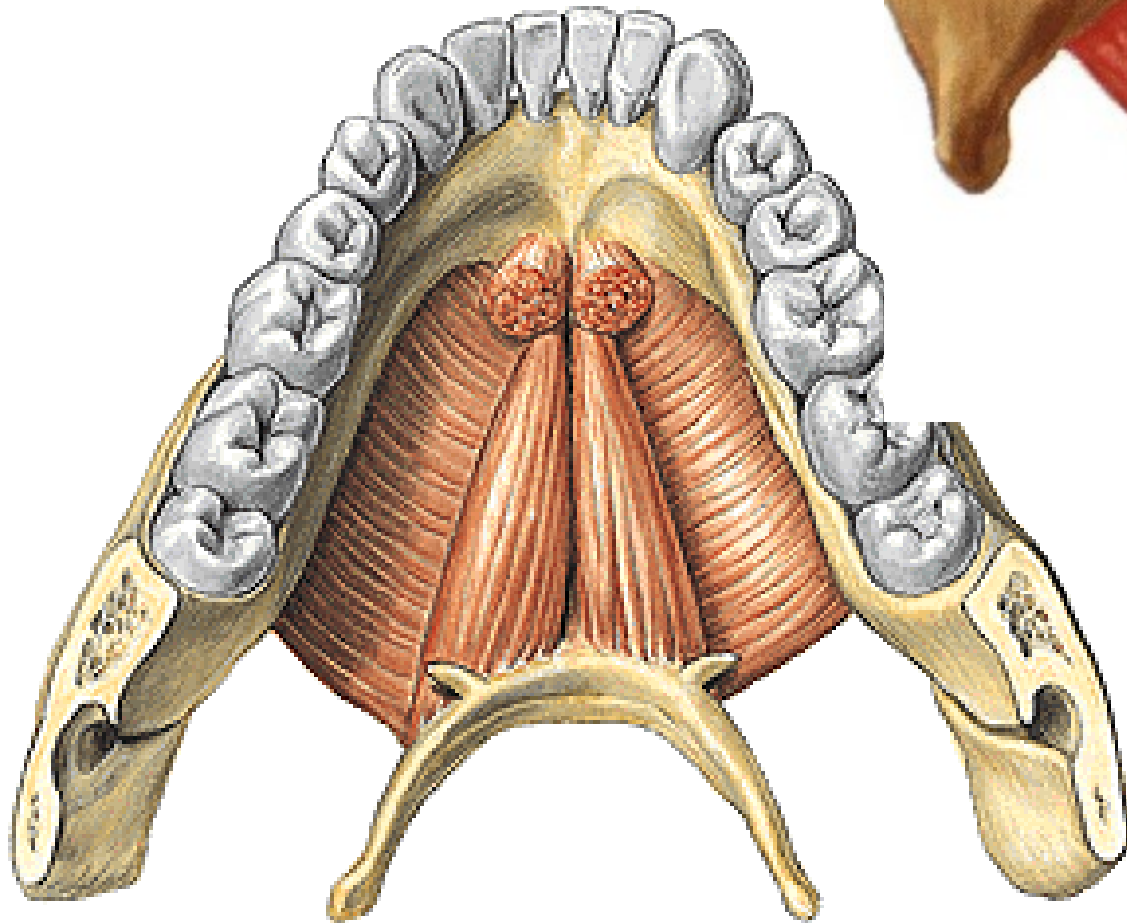
RAPHE PTERYGOMANDIBULARIS

CAVUM ORIS PROPRIUM



DIAPHRAGMA ORIS

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

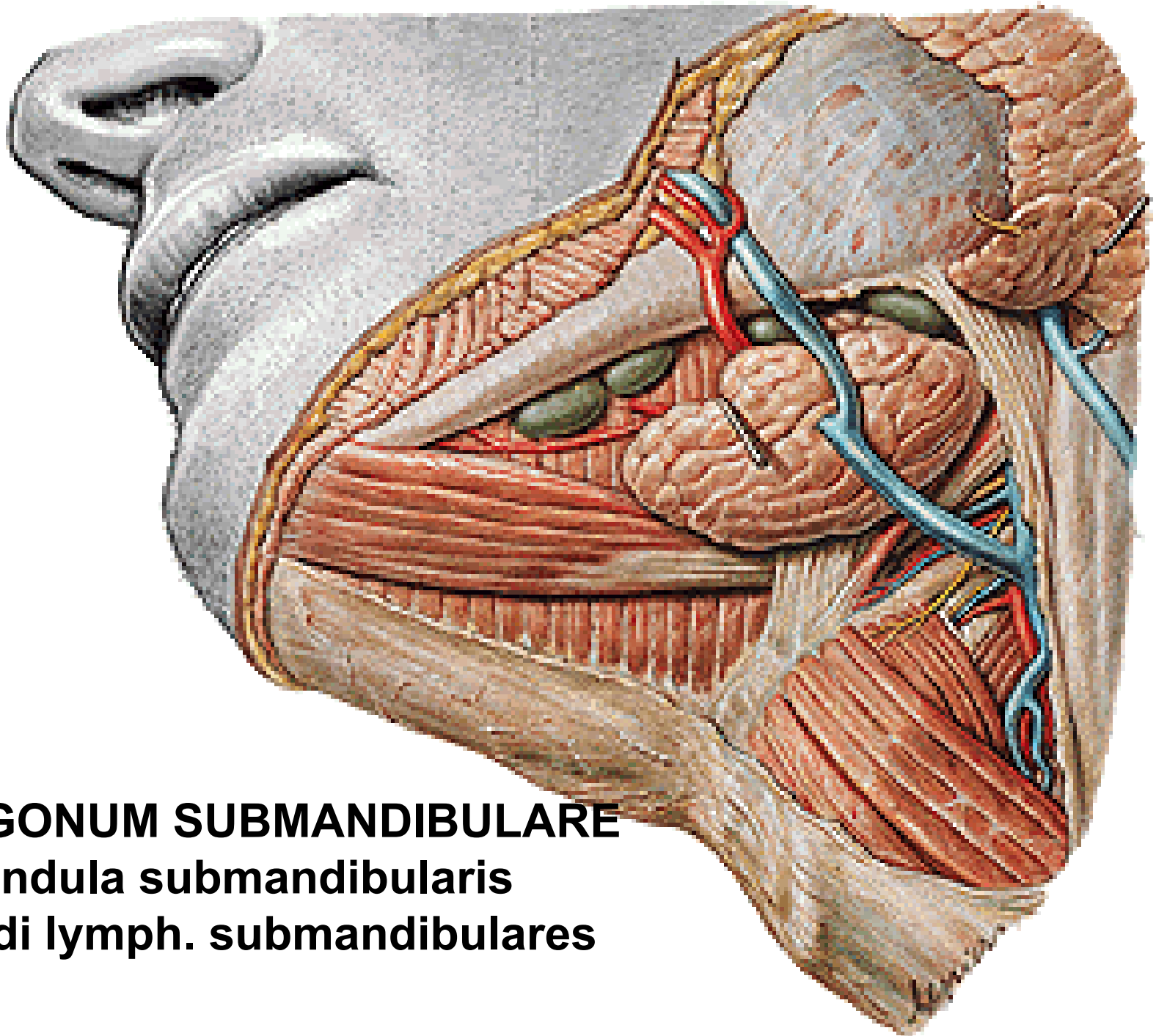


GLANDULAE SALIVARIAE MINORES

- labiales, buccales, molares, palatinae, linguales

GLANDULAE SALIVARIAE MAJORES

- submandibularis
- sublingualis
- parotis



TRIGONUM SUBMANDIBULARE

- glandula submandibularis

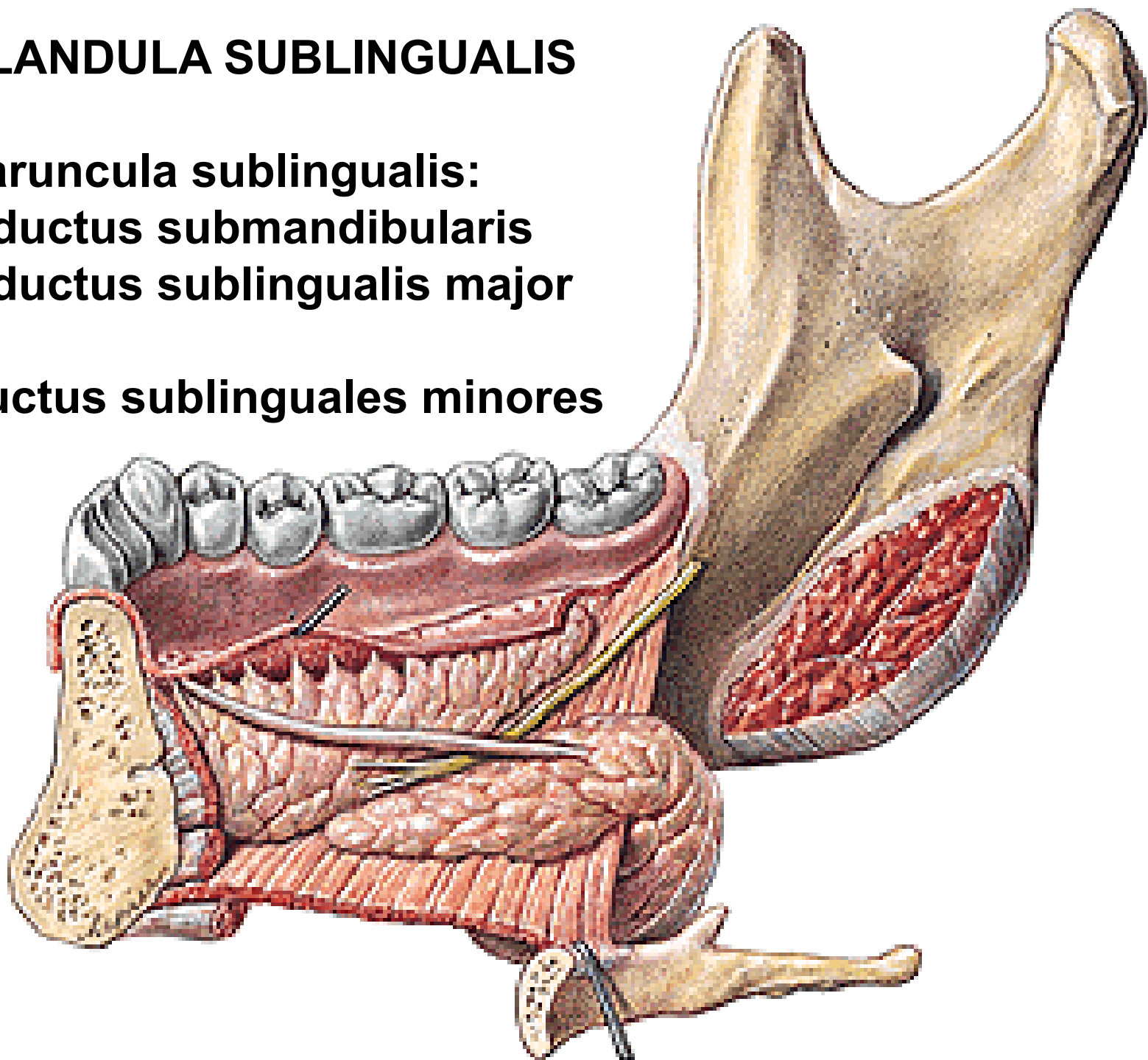
- nodi lymph. submandibulares

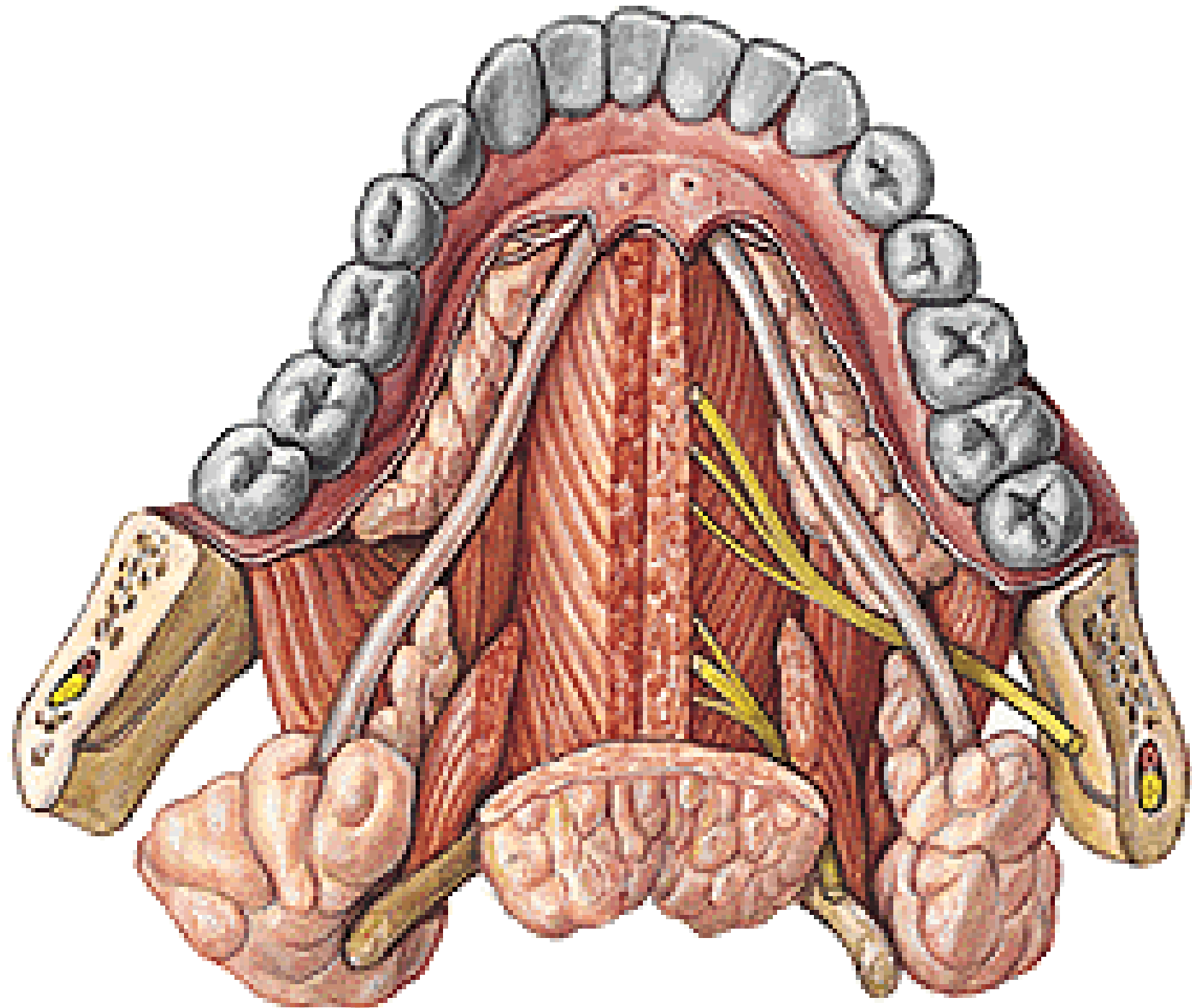
GLANDULA SUBLINGUALIS

Caruncula sublingualis:

- ductus submandibularis
- ductus sublingualis major

Ductus sublinguales minores



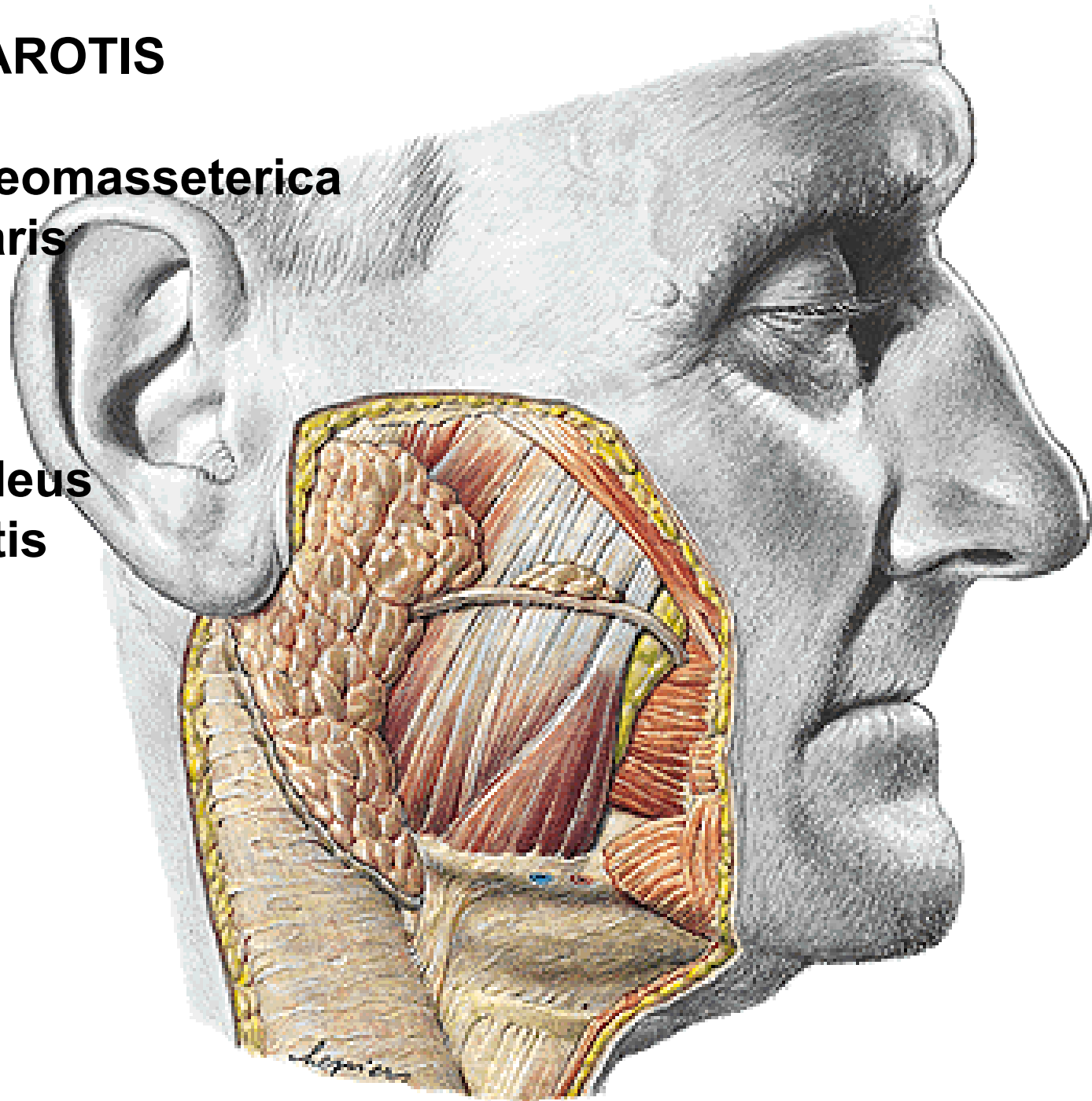




GLANDULA PAROTIS

Fascia parotideomasseterica
Tractus angularis

Ductus parotideus
Glandula parotis
accessoria



PAPILLA PAROTIDEA

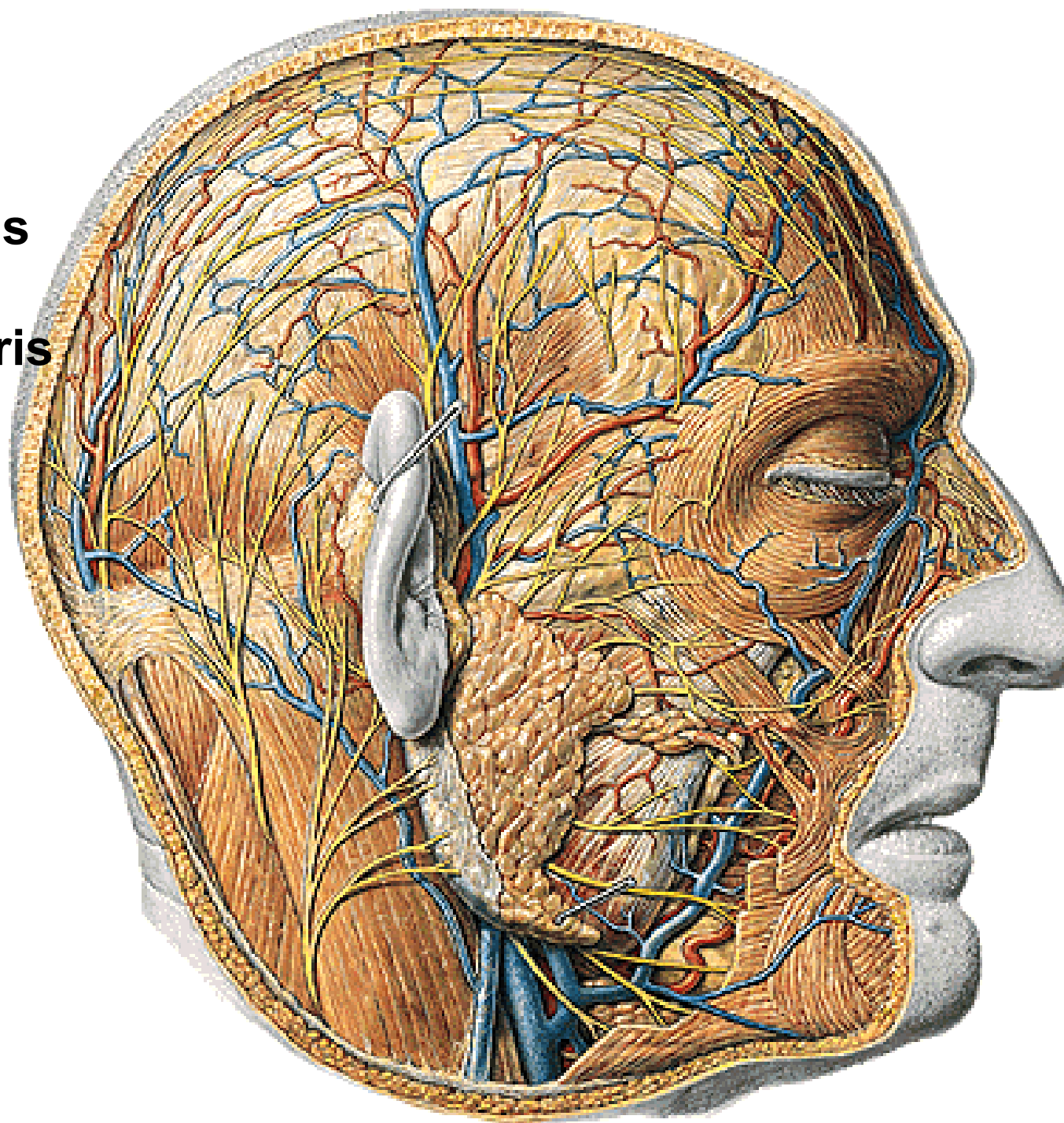


N. facialis (CN VII)

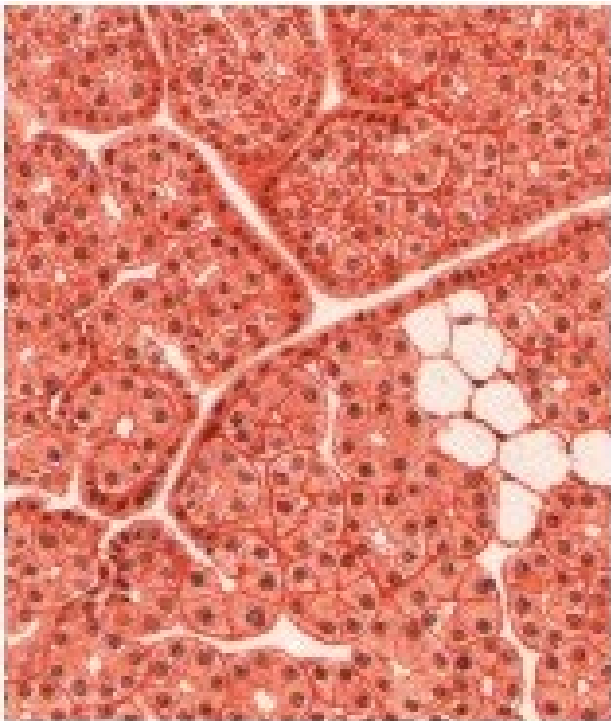
- plexus parotideus

V. retromandibularis

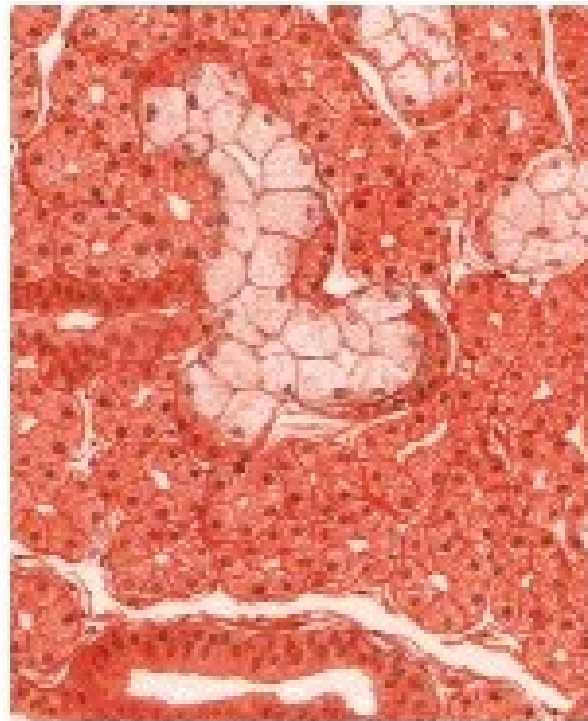
A. carotis ext.



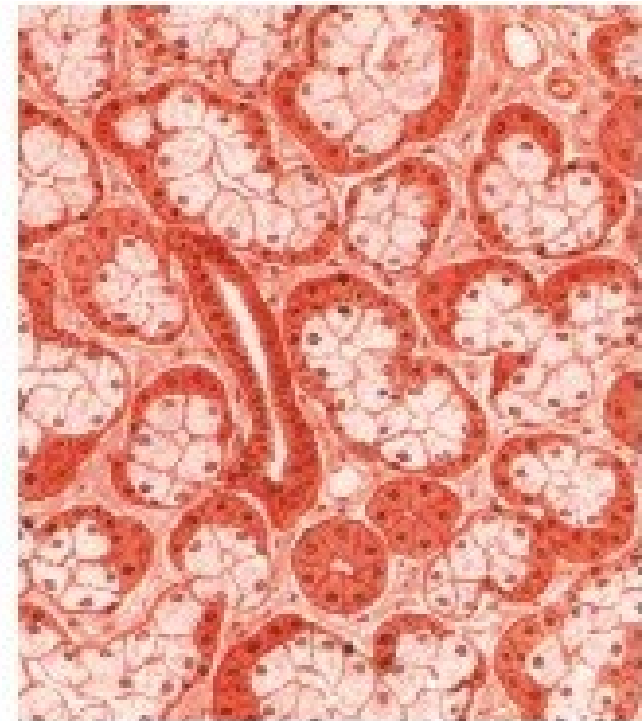
SALIVARY GLANDS



Parotid gland: totally serous



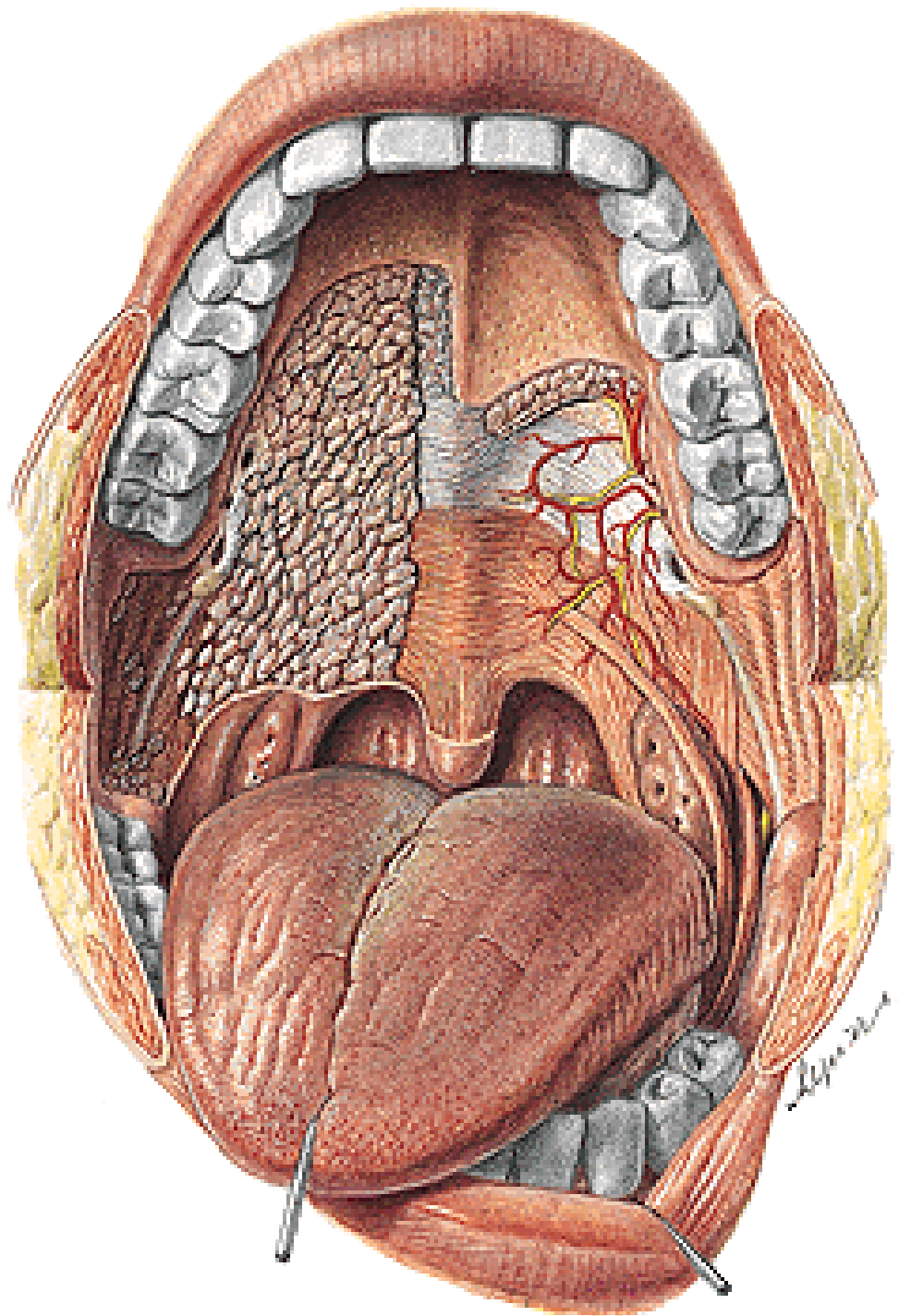
Submandibular gland:
mostly serous, partially mucous



Sublingual gland:
almost completely mucous

PALATUM

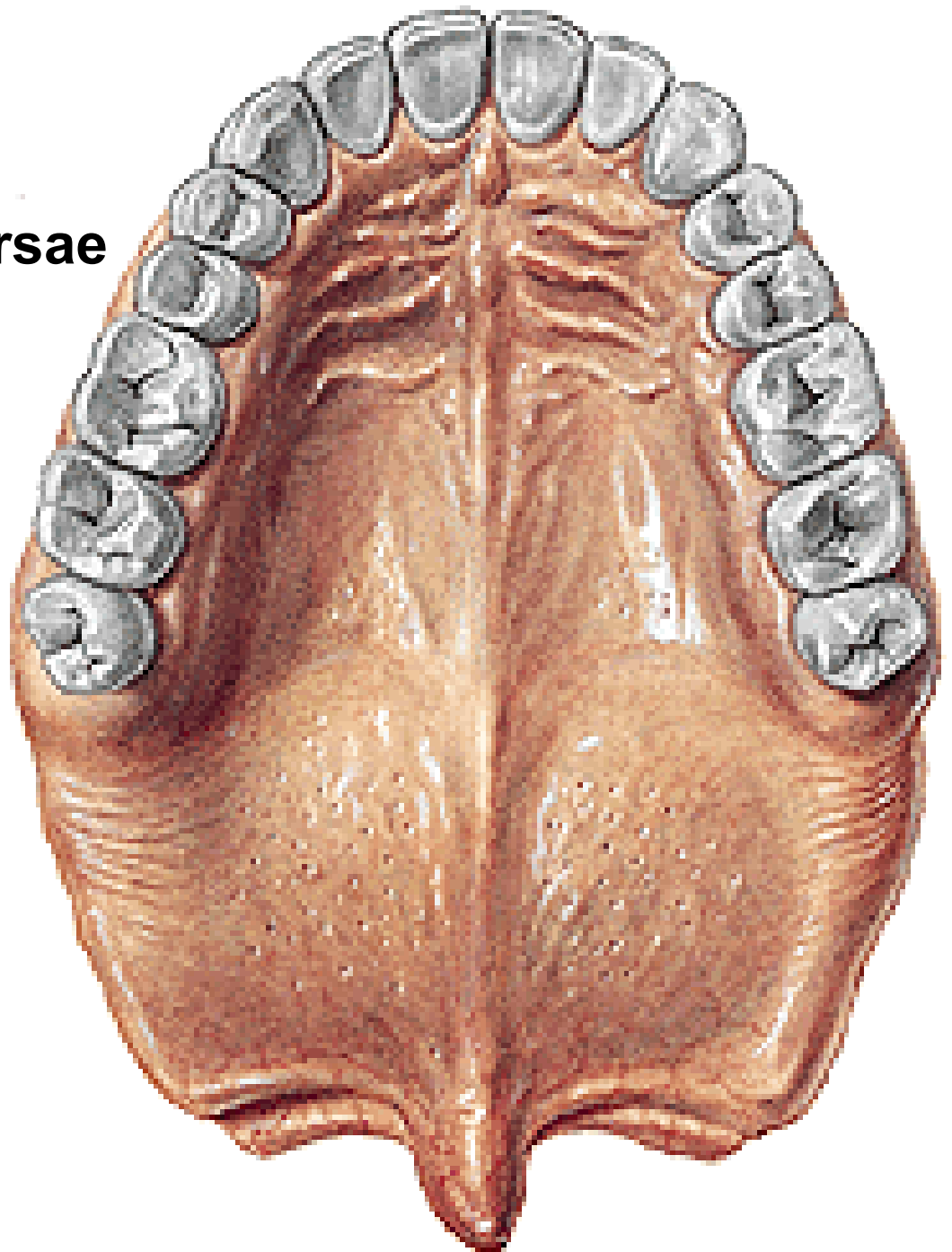
Glandulae palatinae
Vasa palatina majora
et minora
Nn. palatini minores
et majores



PALATUM DURUM

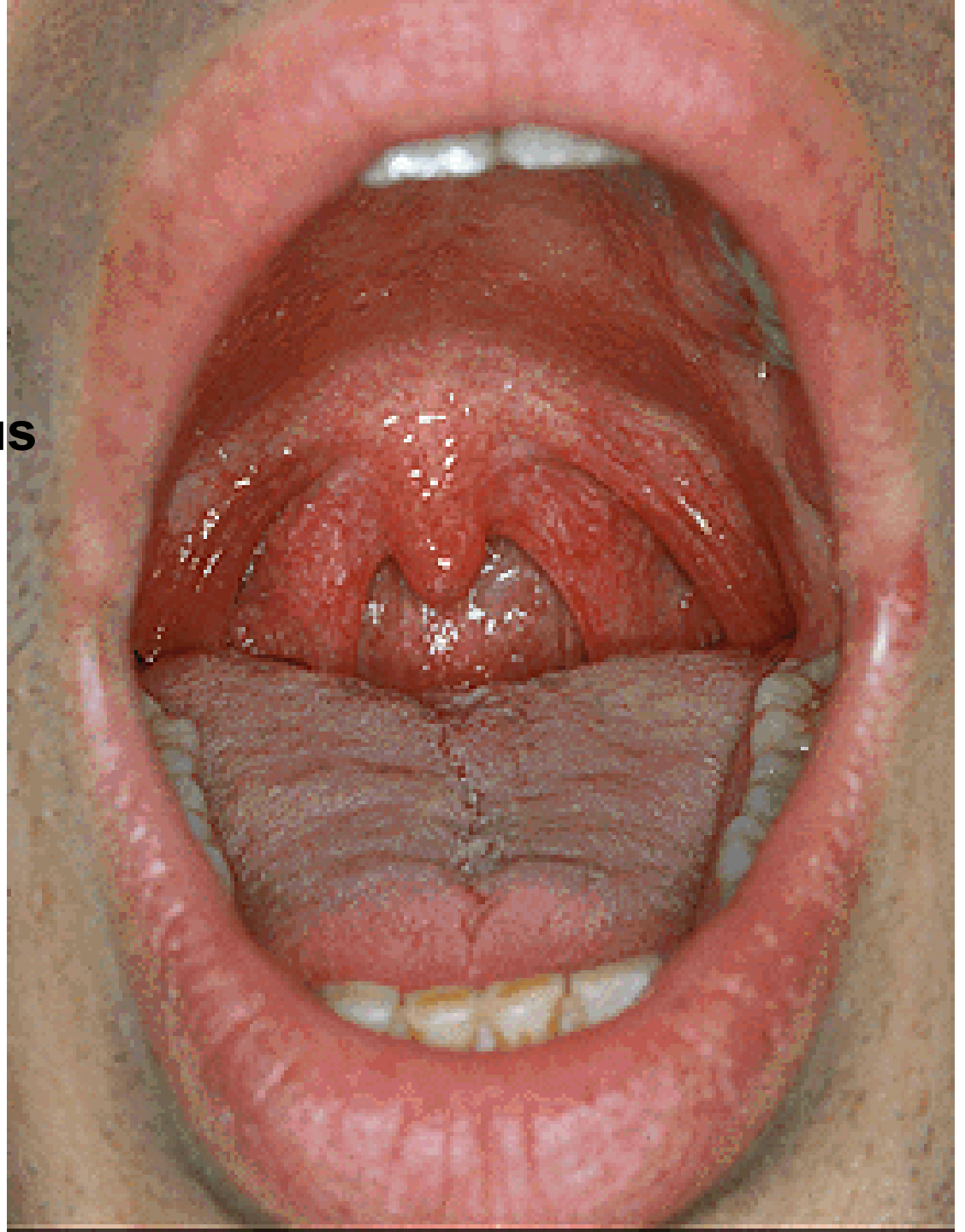


Raphe palati
Papilla incisiva
Plicae palatinae transversae



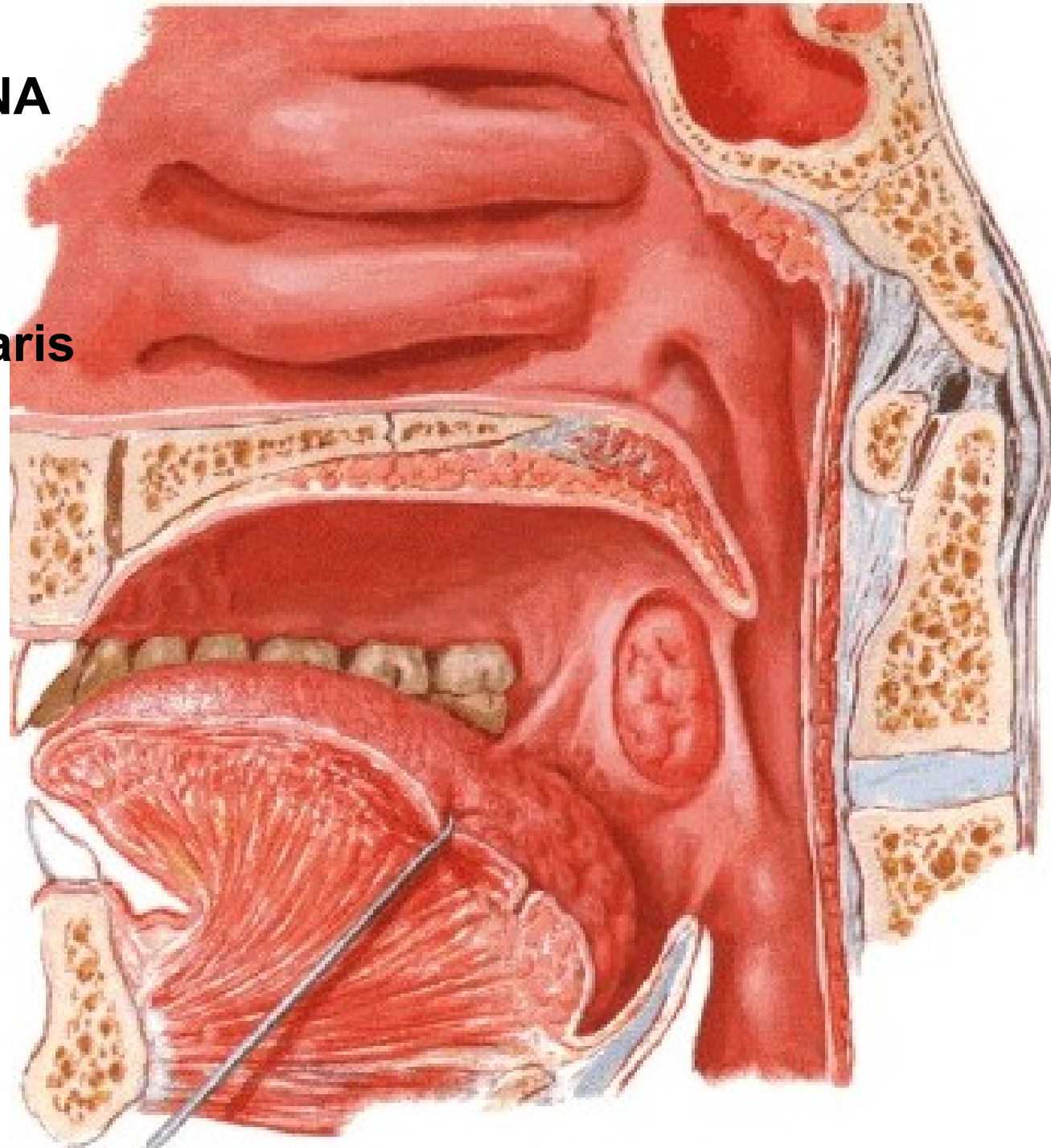
**PALATUM MOLLE
(VELUM PALATINUM)**

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**

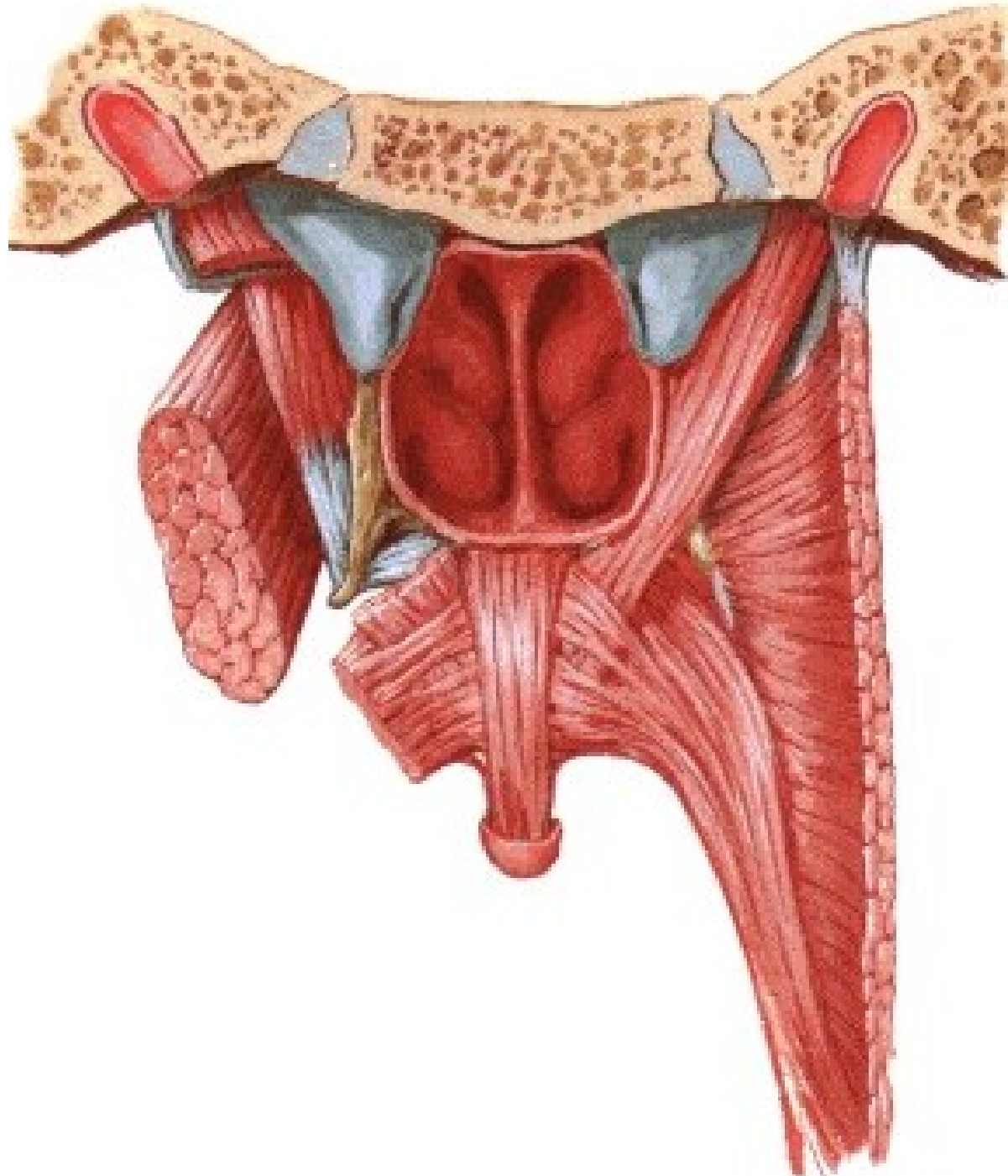


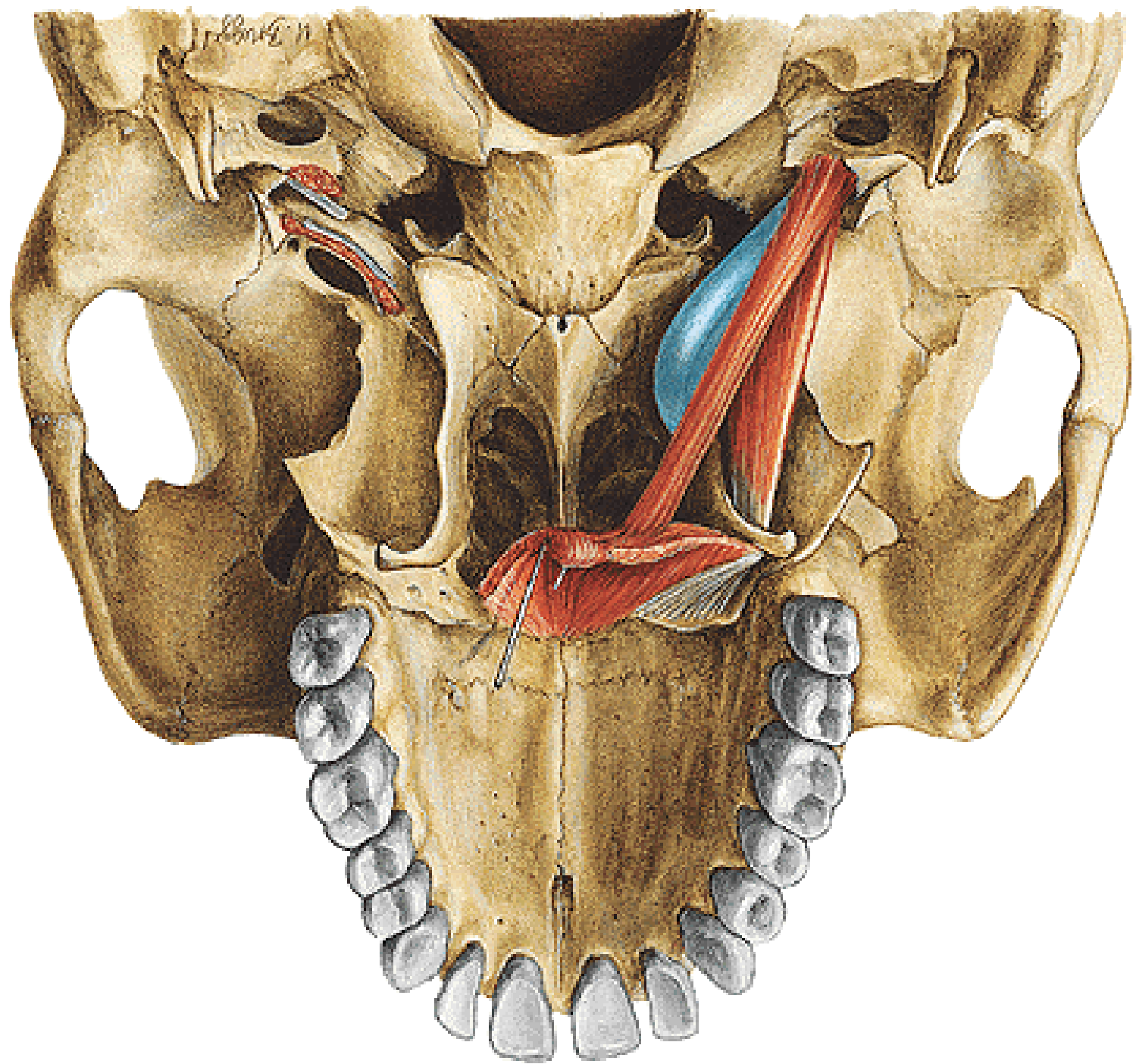
M. levator veli palatini
M. tensor veli palatini
M. uvulae
M. palatopharyngeus
M. palatoglossus

Aponeurosis palatina

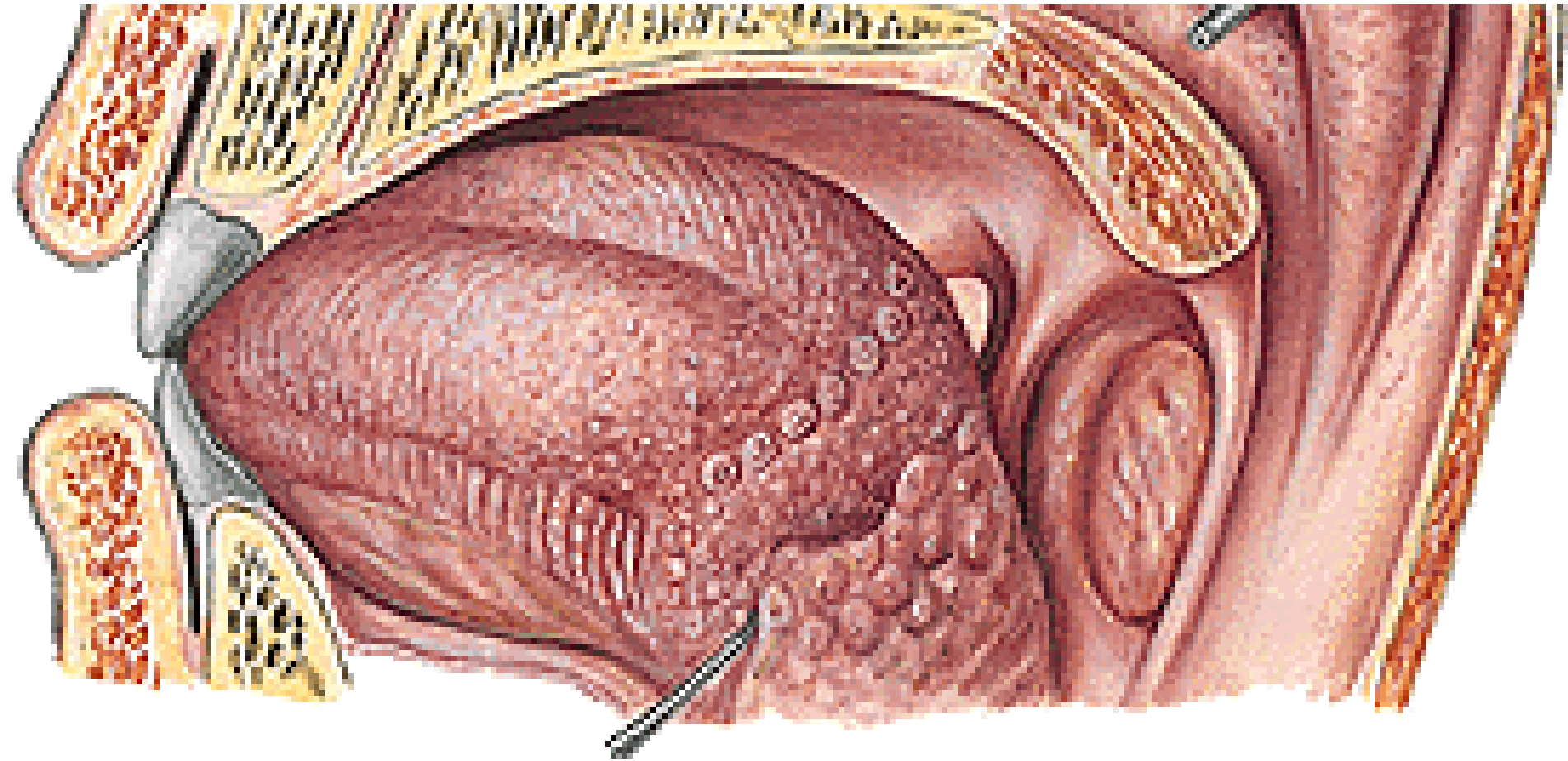
Plexus pharyngeus
– CN IX, X

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

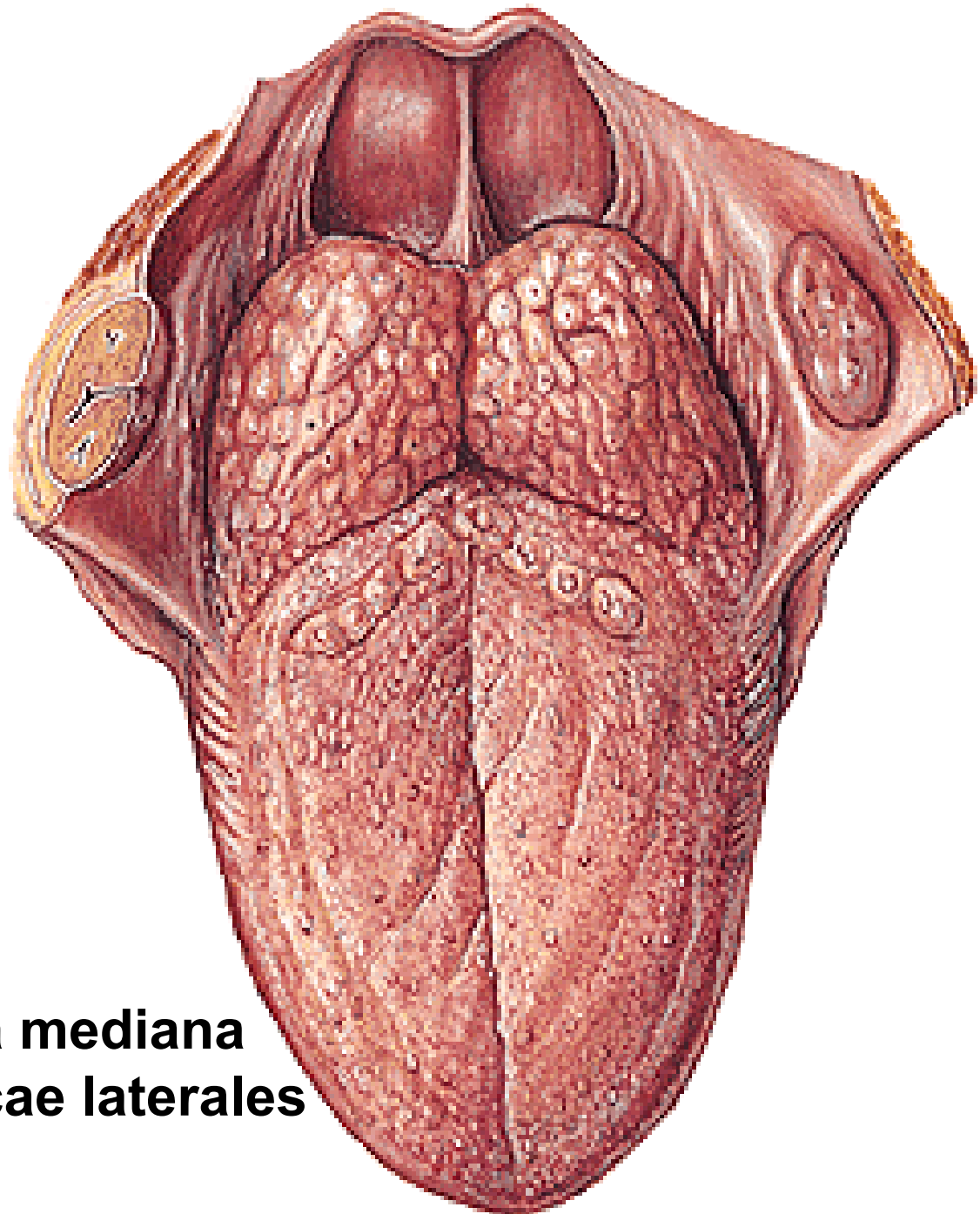
Papillae vallatae

Tonsilla lingualis

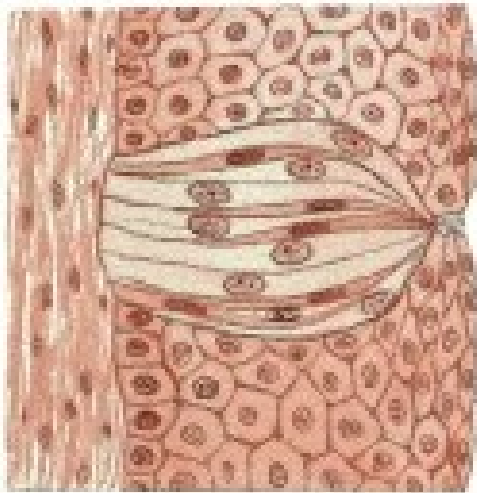
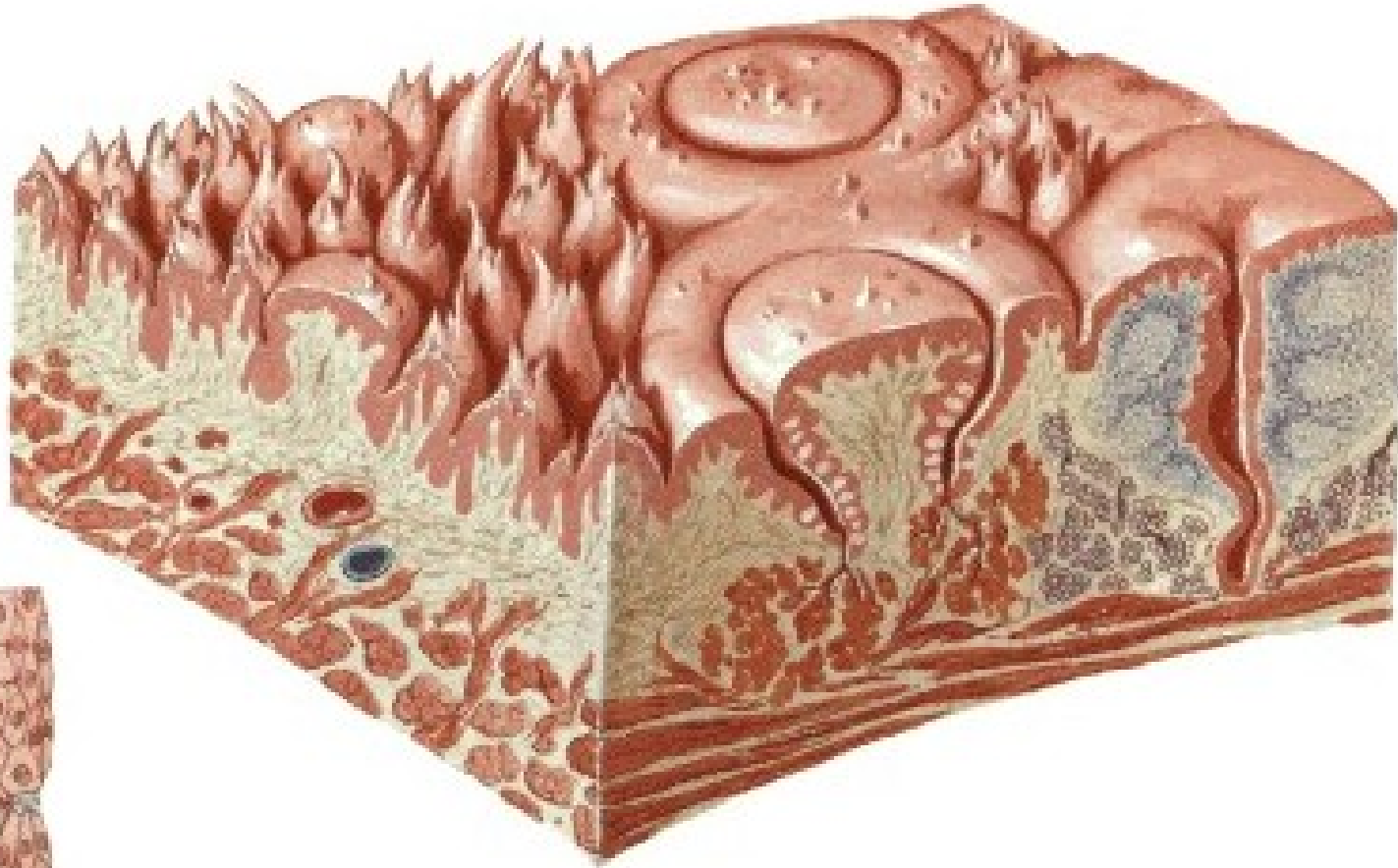
Plica glossoepiglottica mediana

Plicae glossoepiglotticae laterales

Valleculae epiglotticae



Caliculi gustatorii



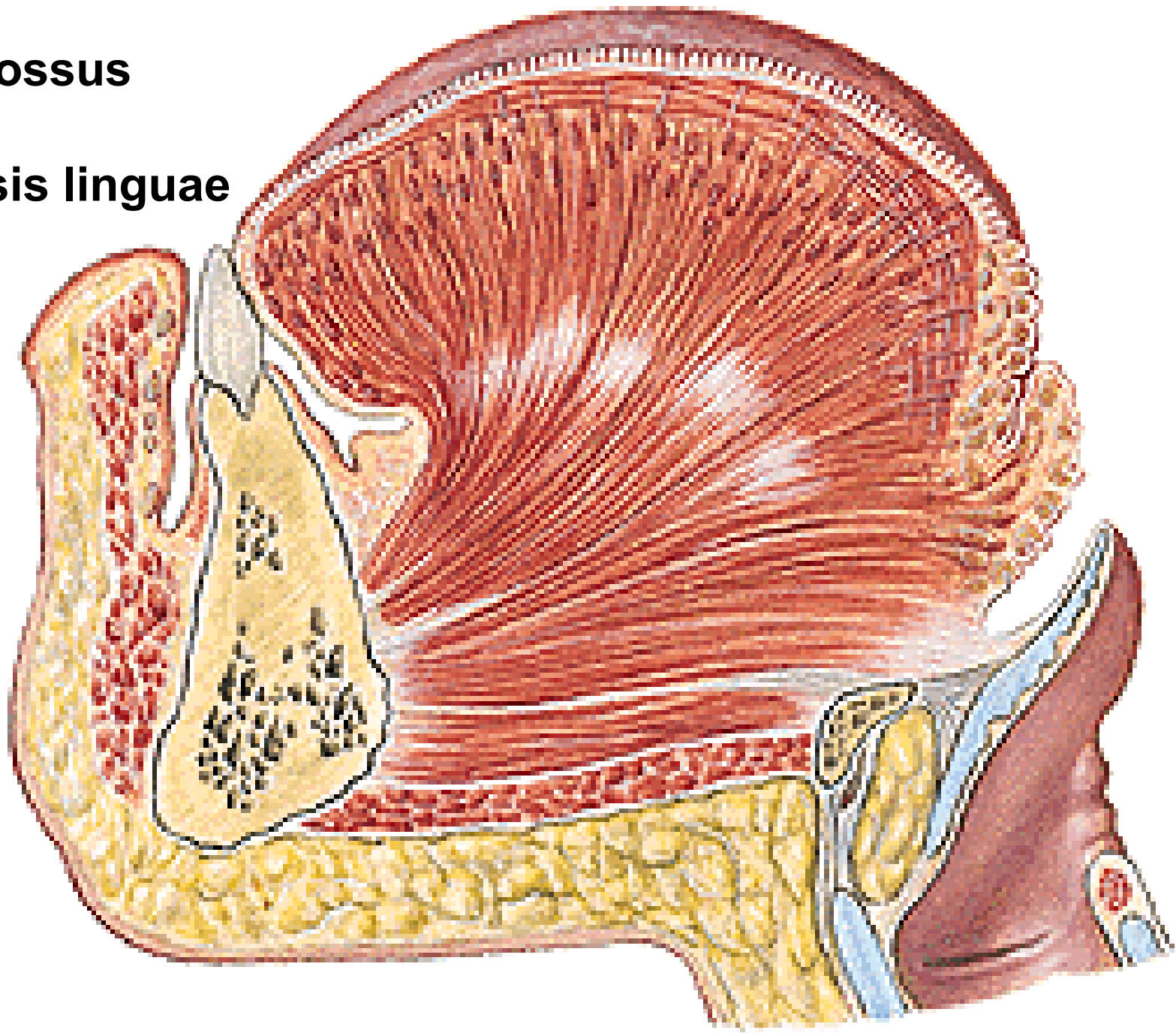
Facies inferior linguae
Plica fimbriata

Frenulum linguae
Plica sublingualis

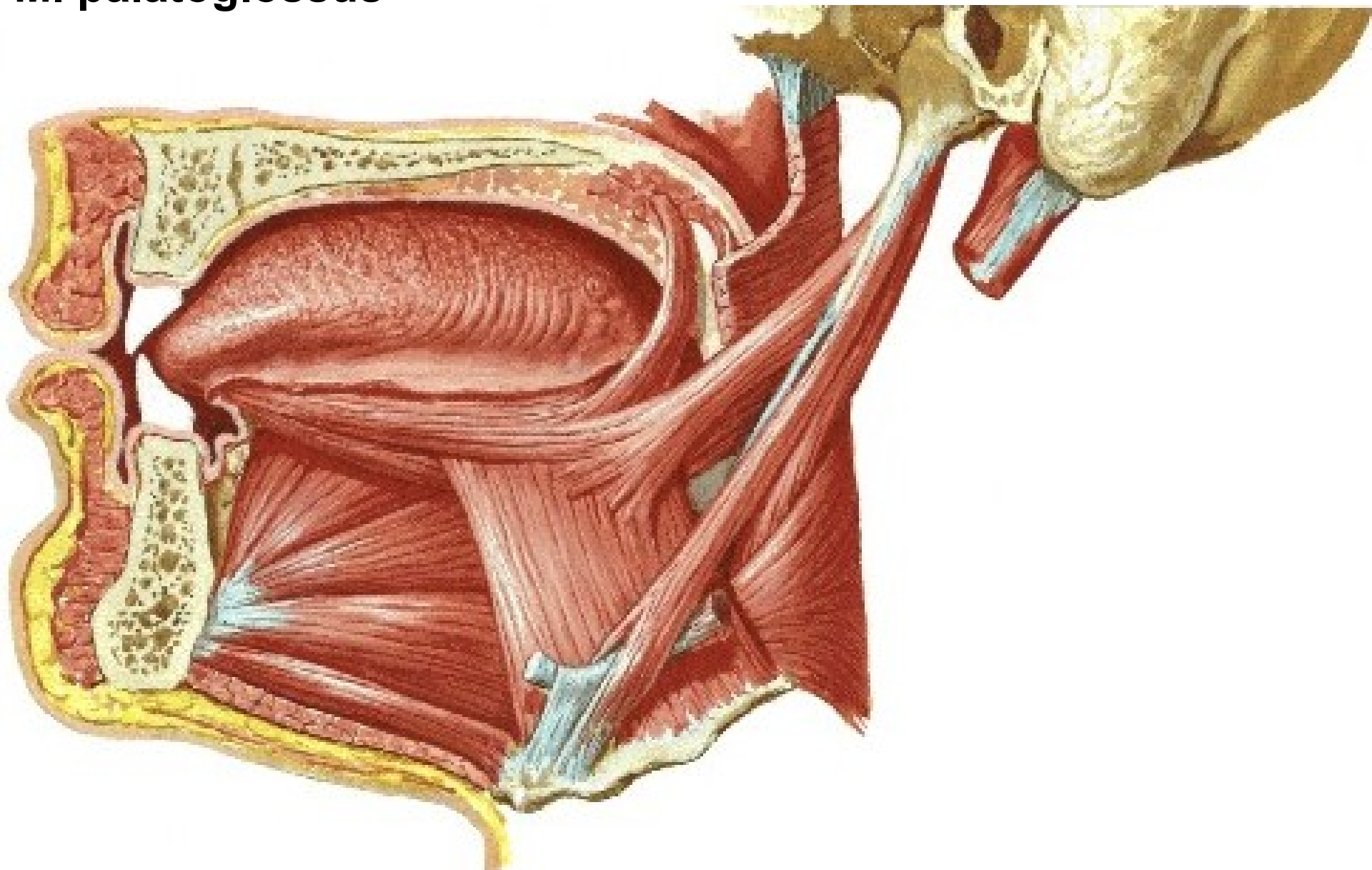


M. genioglossus

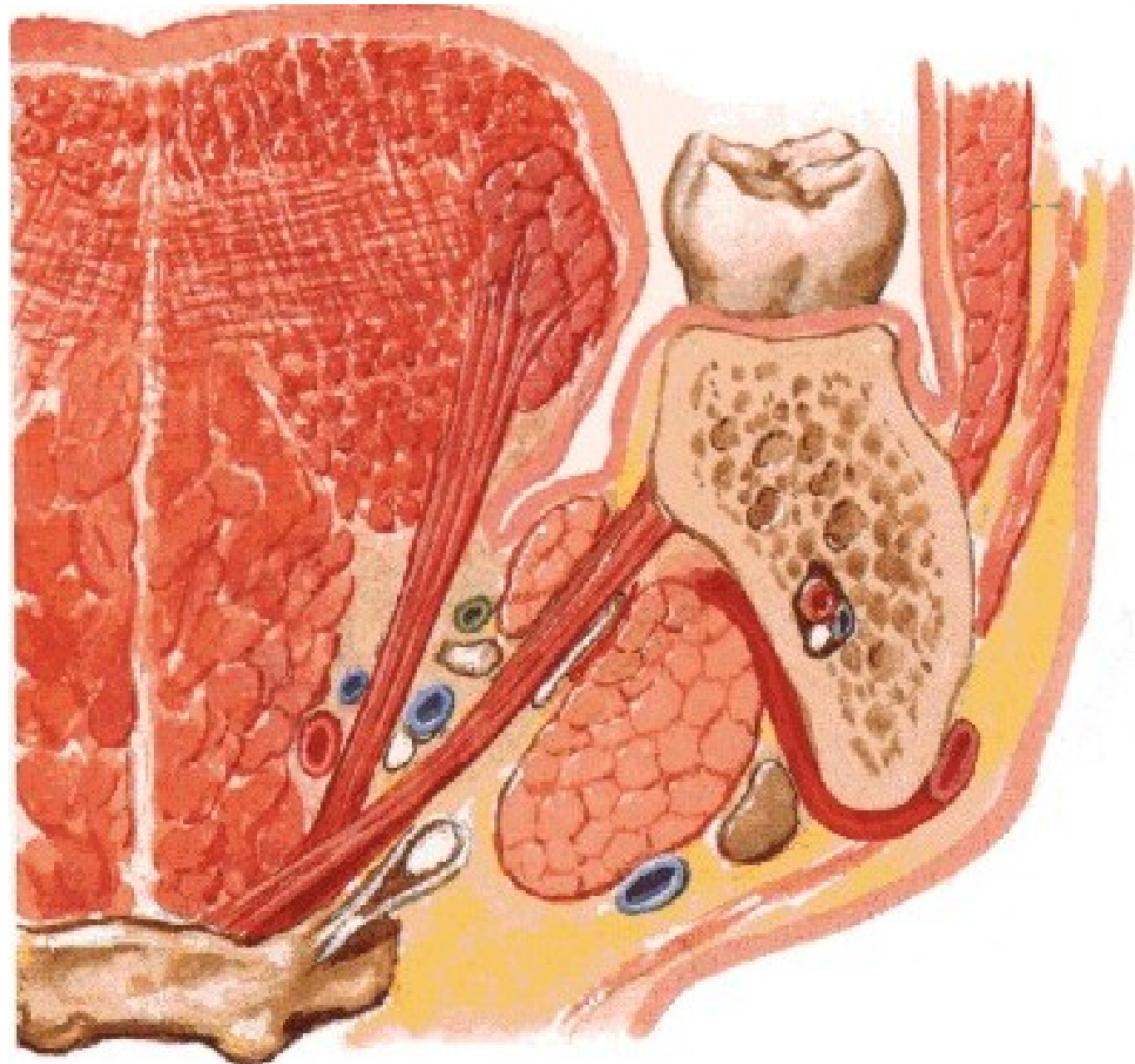
Aponeurosis linguae



M. hyoglossus
M. styloglossus
M. palatoglossus



Canalis paralingualis – a. et v. lingualis



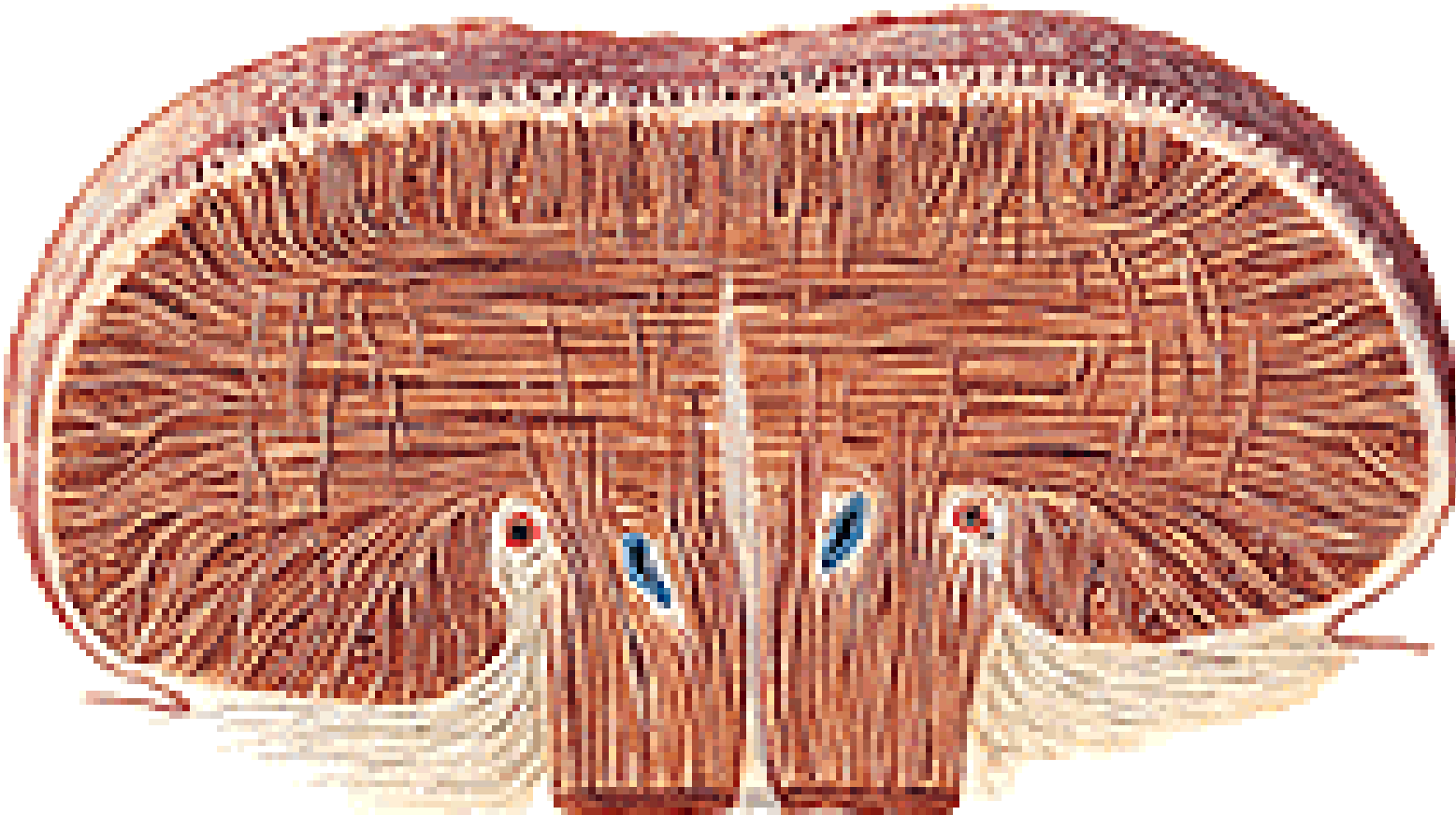
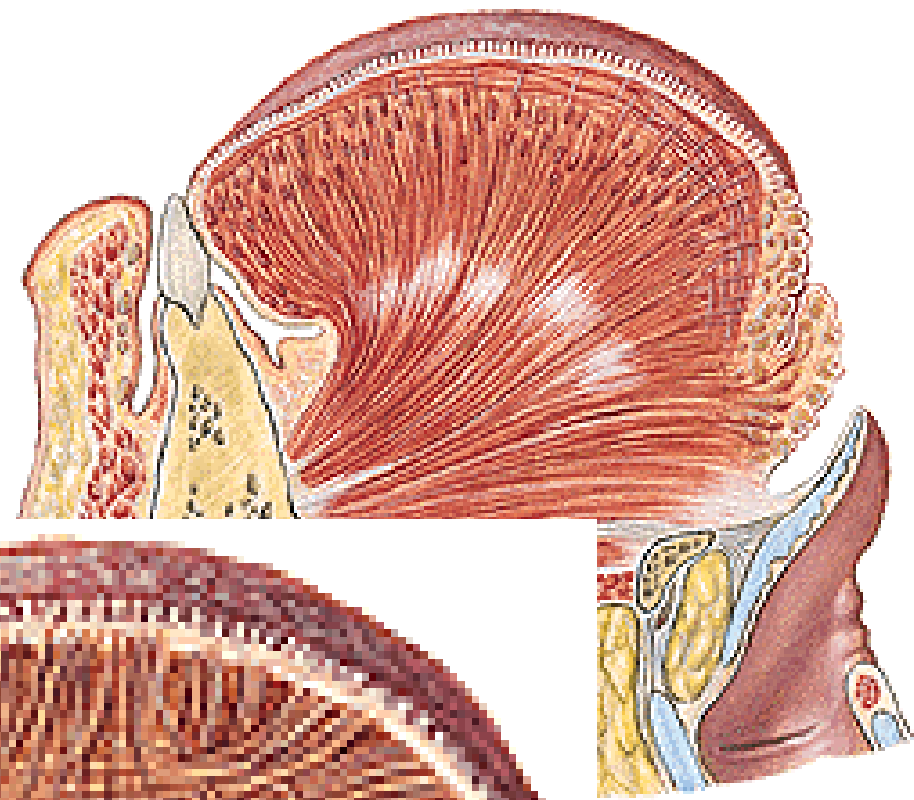
Septum linguae

M. longitudinalis sup.

M. longitudinalis inf.

M. transversus linguae

M. verticalis linguae

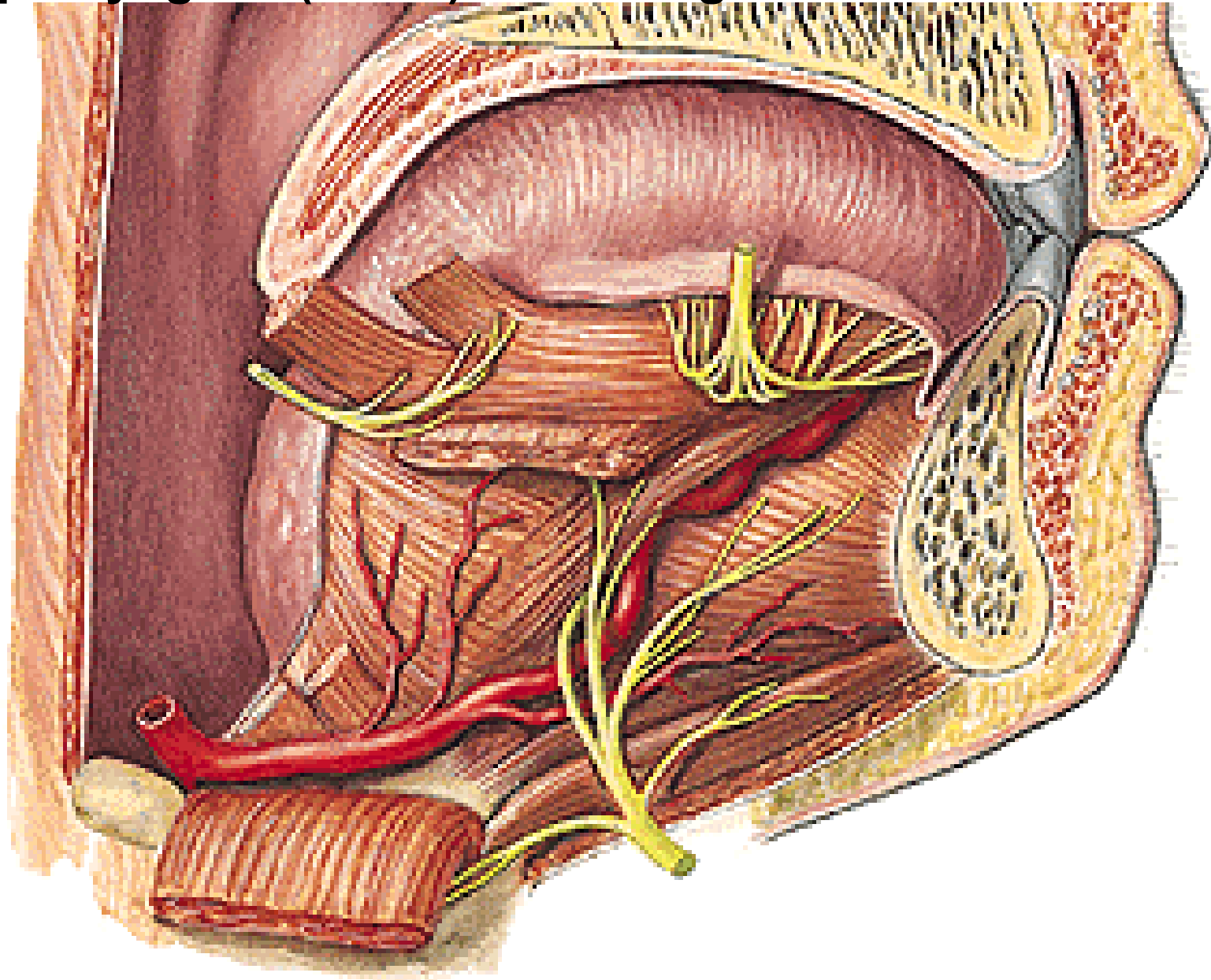


N. lingualis

N. glossopharyngeus (CN IX)

N. hypoglossus (CN XII)

A. lingualis



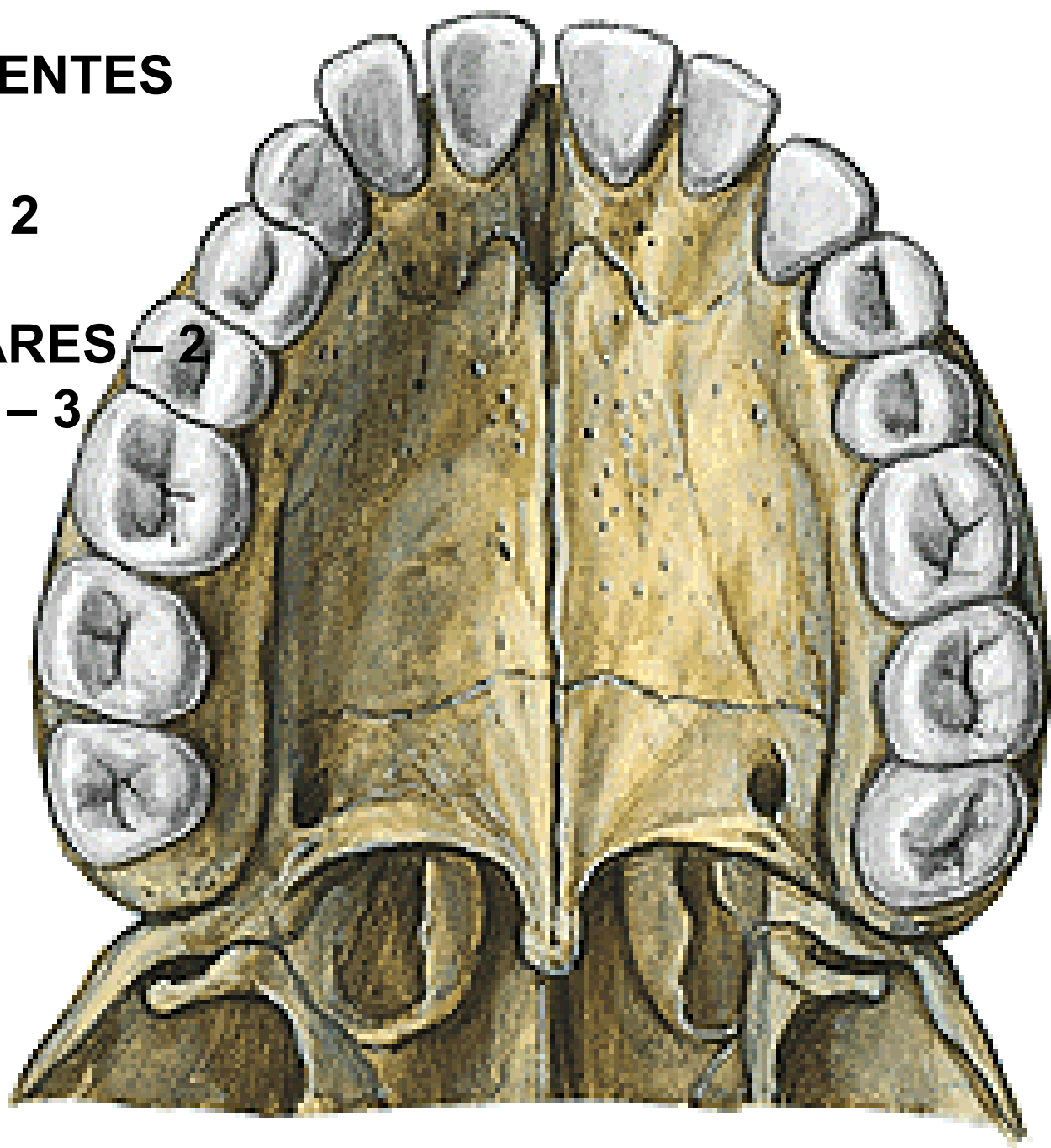
DENTES PERMANENTES

DENTES INCISIVI - 2

DENS CANINUS - 1

DENTES PREMOLARES - 2

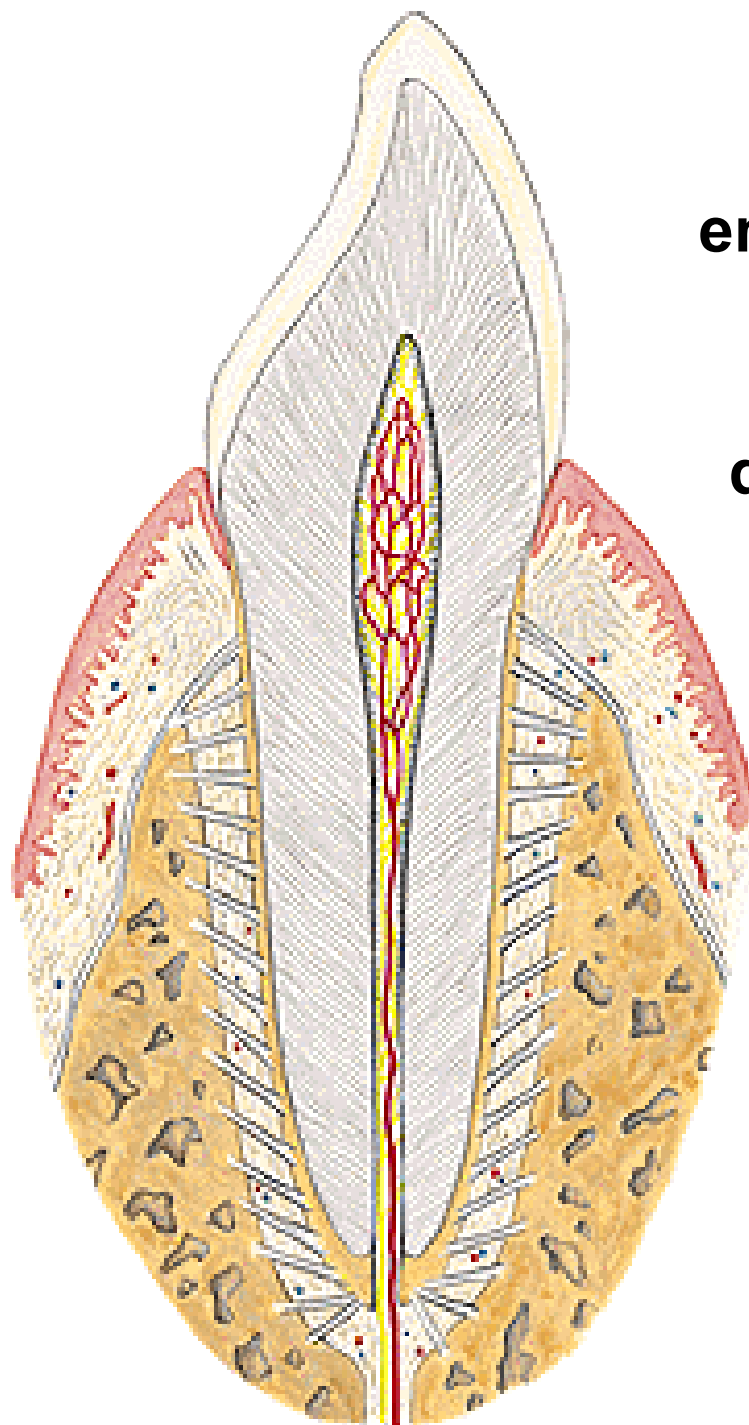
DENTES MOLARES - 3



CORONA DENTIS

COLLUM DENTIS

RADIX DENTIS



enamelum

dentinum

cementum

CORONA:

Facies occlusalis

- tubercula dentalia

Facies approximales

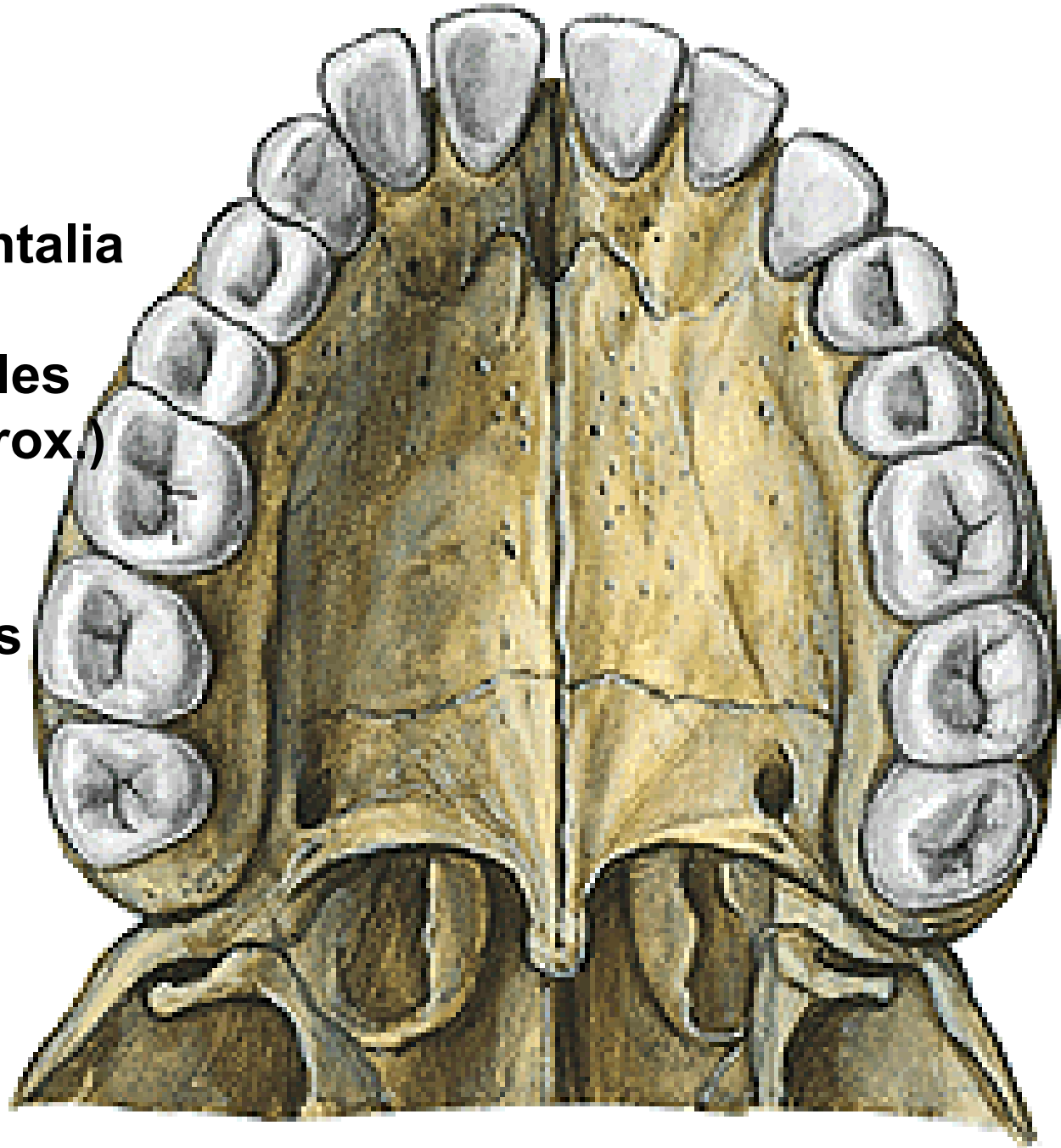
- f. mesialis (prox.)
- f. distalis

Facies vestibularis

- f. labialis
- f. buccalis

Facies oralis

- f. palatina
- f. lingualis



CAVUM DENTIS

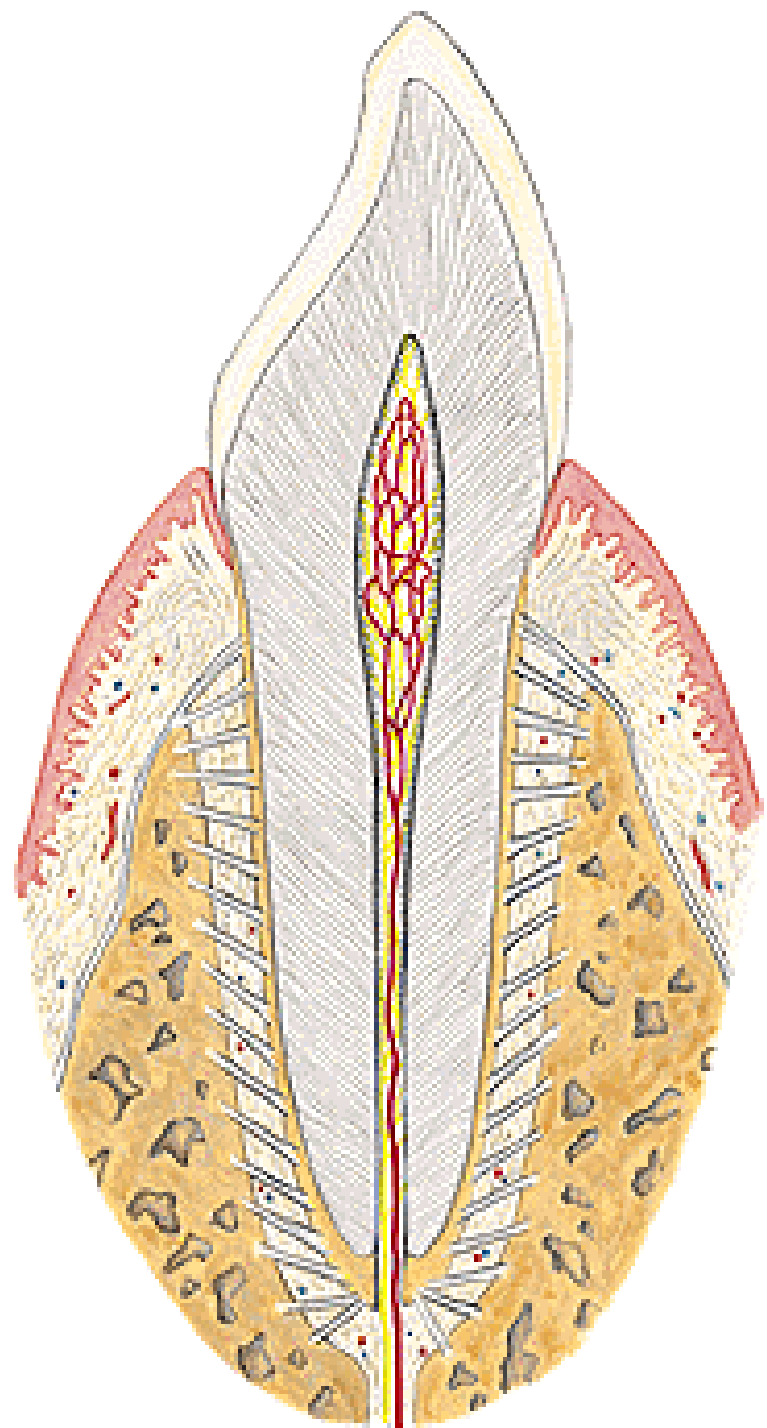
CANALIS RADICIS DENTIS

FORAMEN APICIS DENTIS

GOMPHOSIS

PERIODONTIUM
– Sharpey's fibers

PARODONTIUM

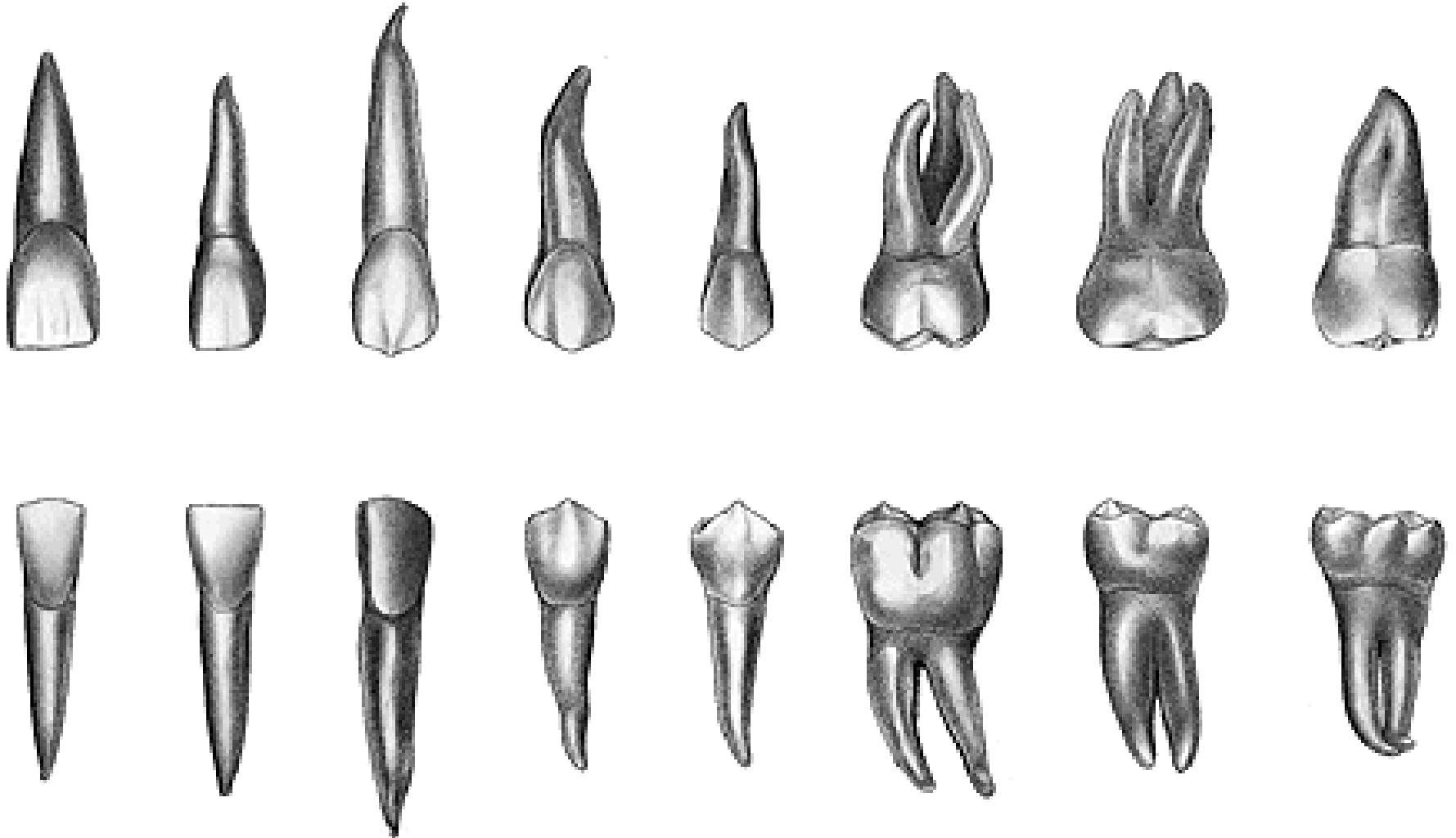


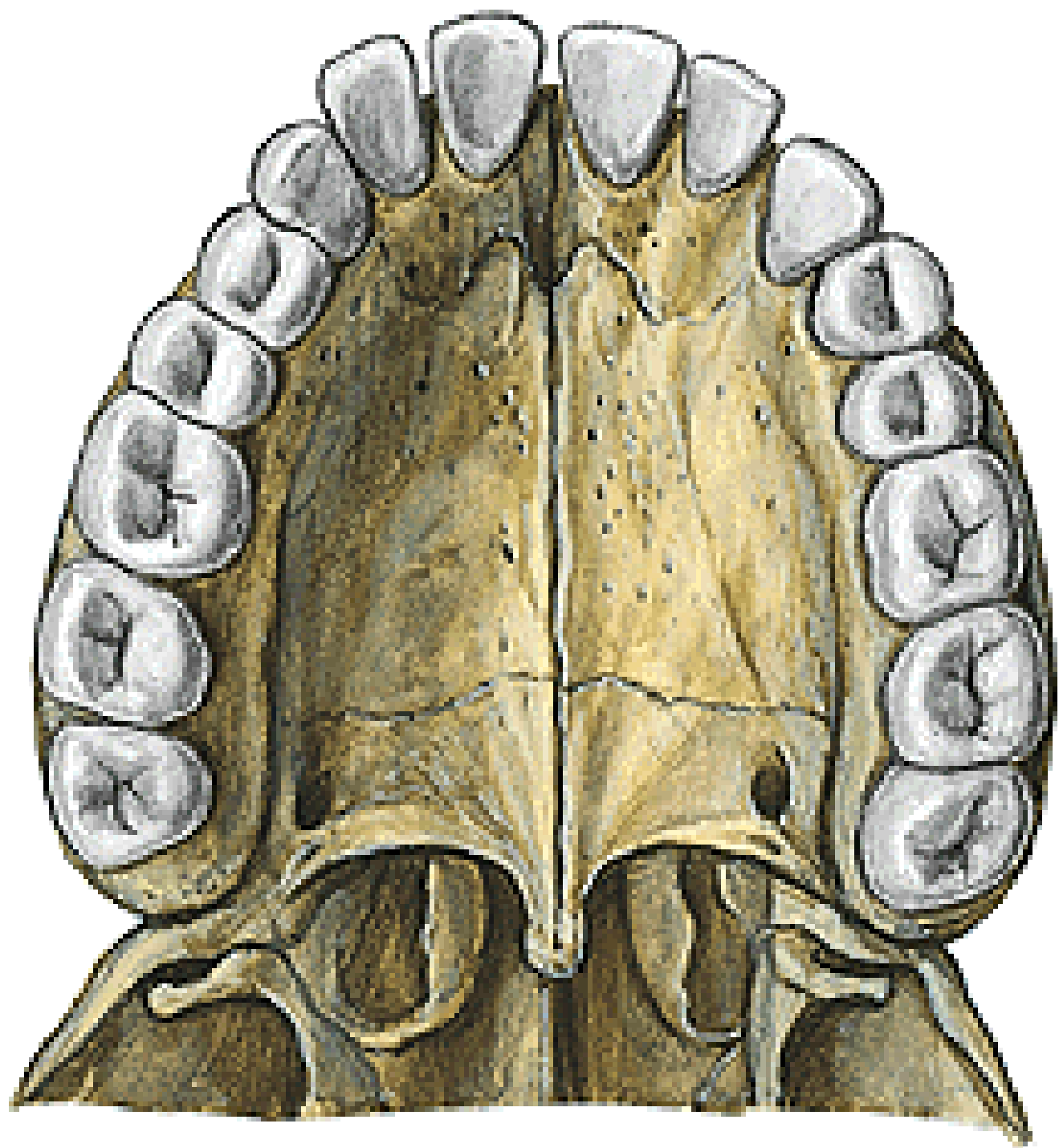
DENTES INCISIVI - 2

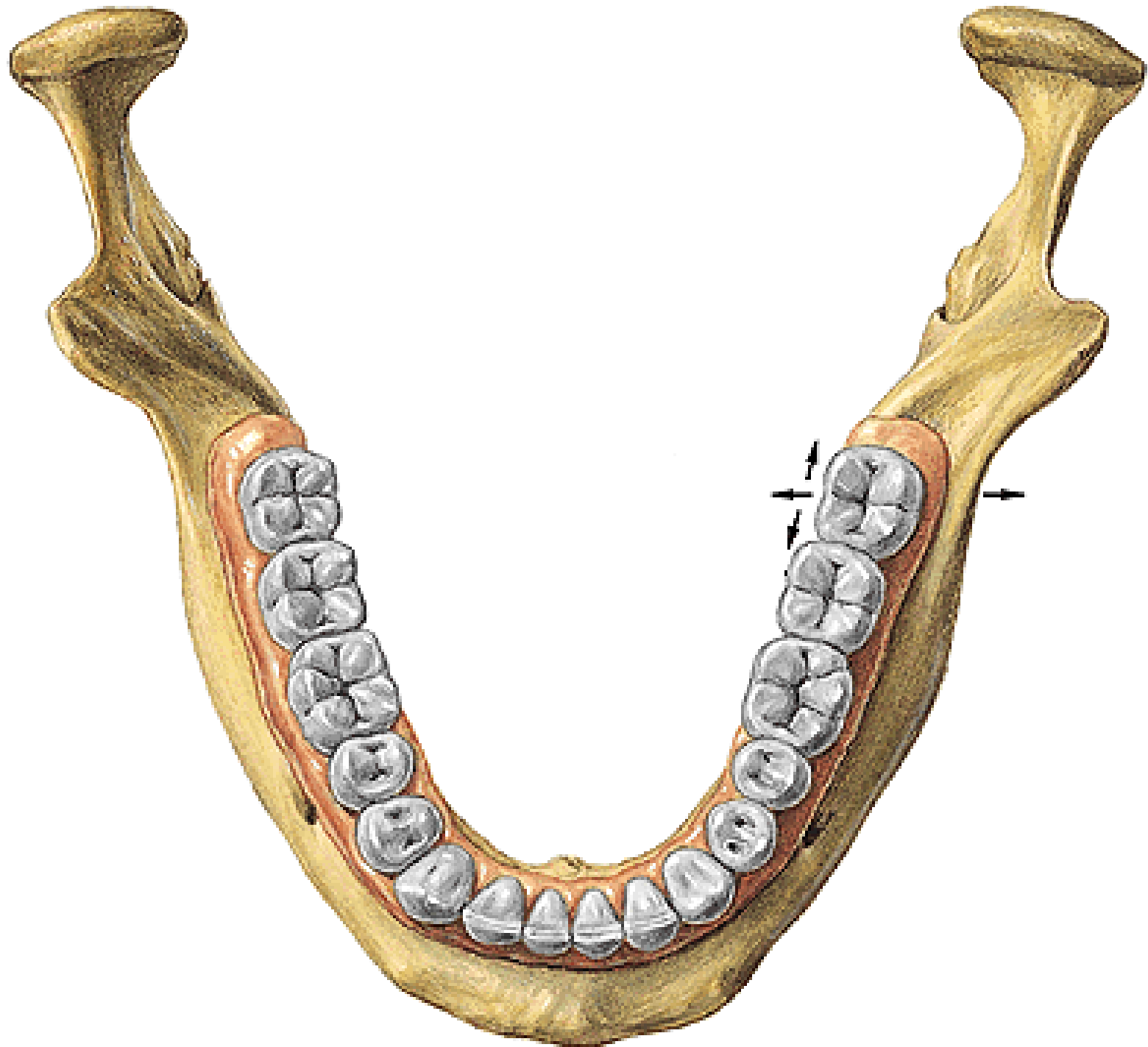
DENS CANINUS - 1

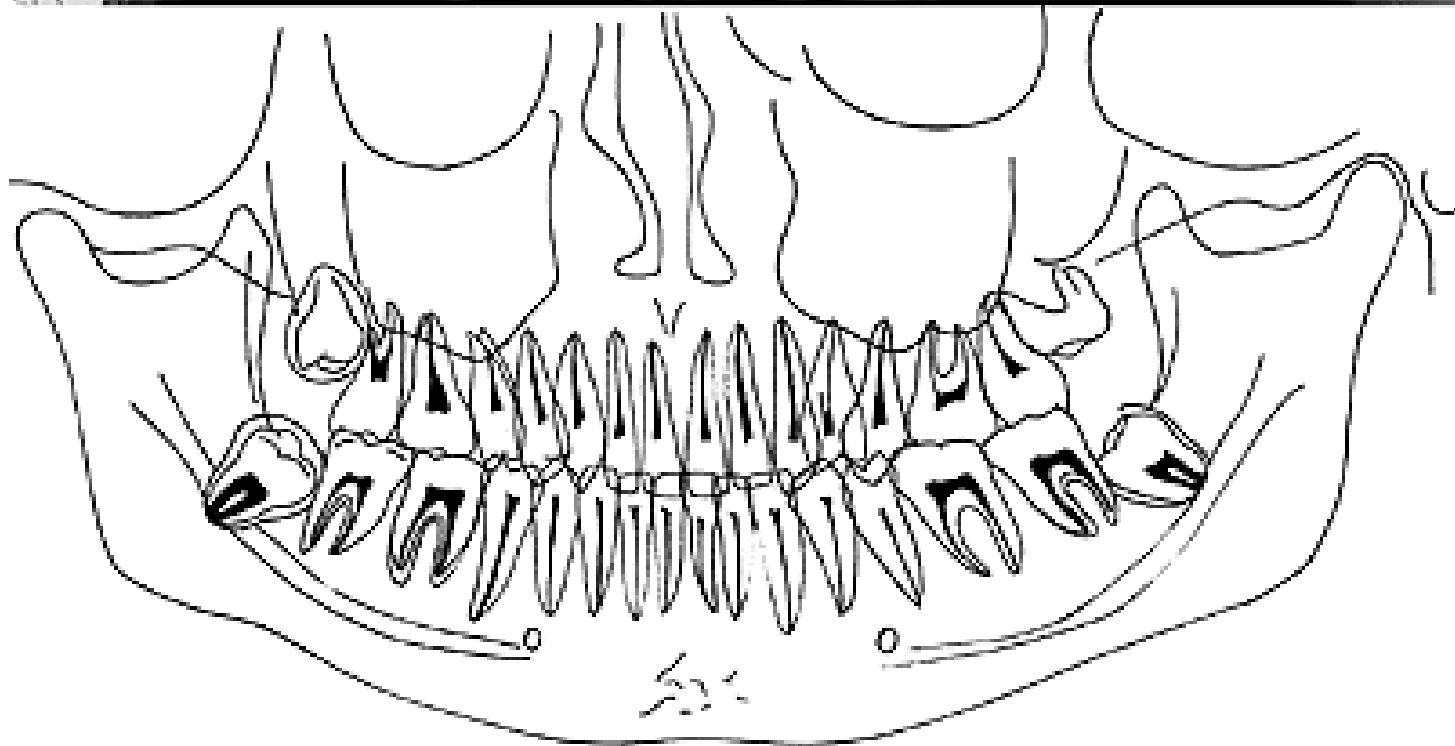
DENTES PREMOLARES - 2

DENTES MOLARES - 3







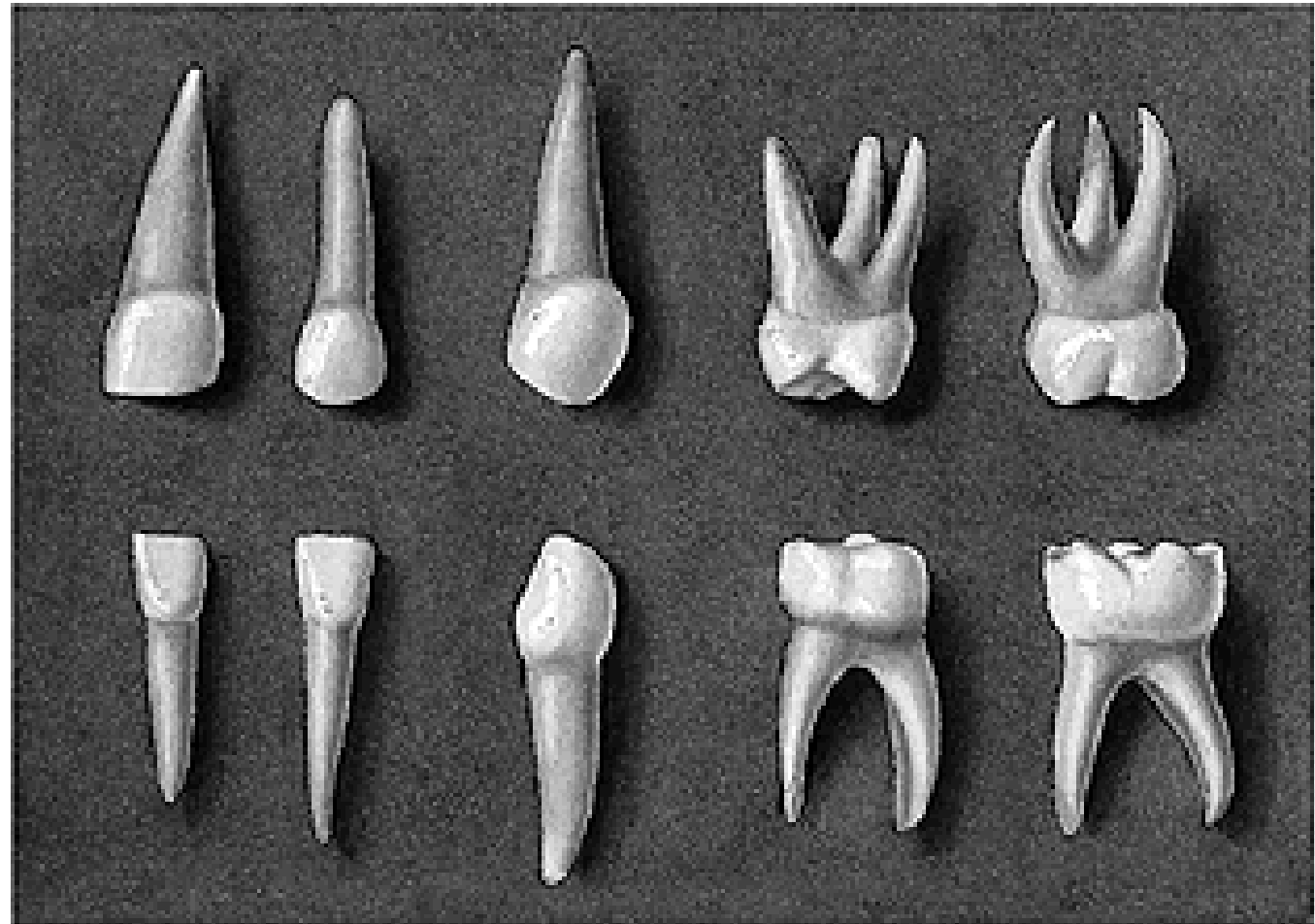


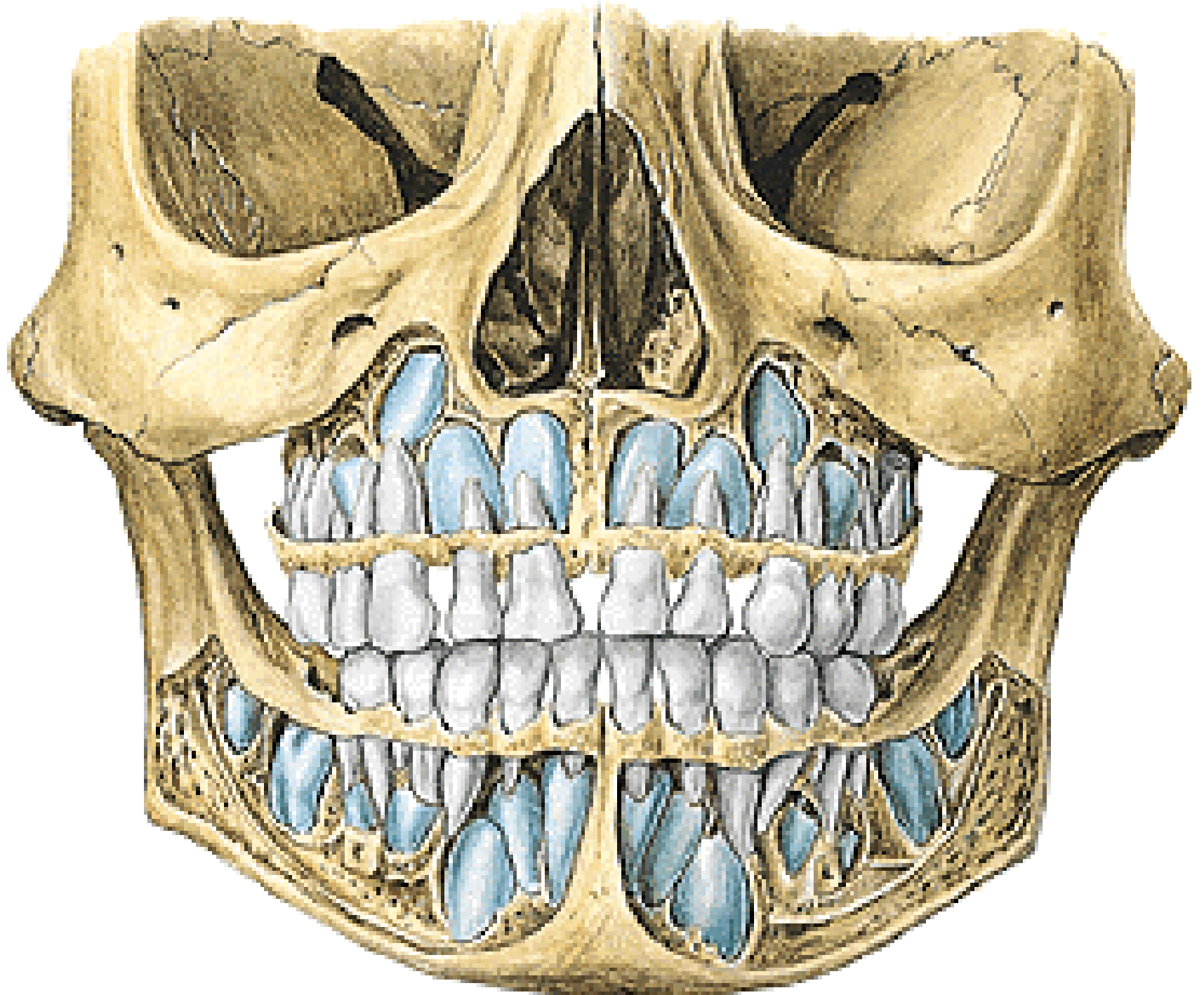
DENTES INCISIVI - 2

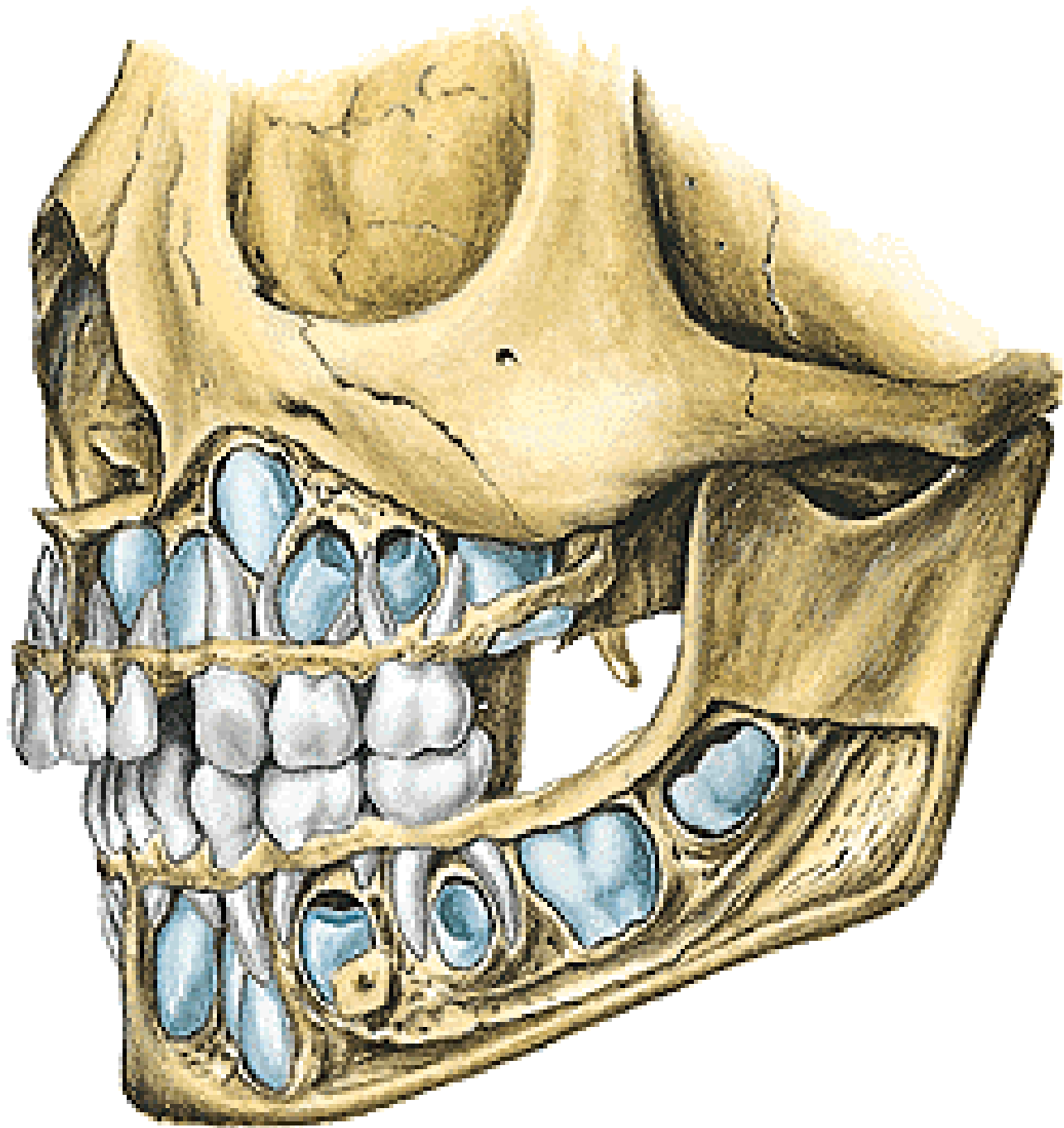
DENS CANINUS - 1

DENTES MOLARES - 2

DENTES DECIDUI







DENTAL FORMULA:

Permanent teeth: I1, I2, C, P1, P2, M1, M2, M3
1, 2, 3, 4, 5, 6, 7, 8

1	2
4	3

Milk teeth: i1, i2, c, m1, m2
I, II, III, IV, V

5	6
8	7

Eruption:

I 6th-8th month

II 8th-12th month

III 16th-20th month

IV 12th-16th month

V 20th-36th month

I, II, IV, III, V

Exchange of the teeth:

1 7th-8th year

2 8th-9th year

3 11th-13th year

4 9th-11th year

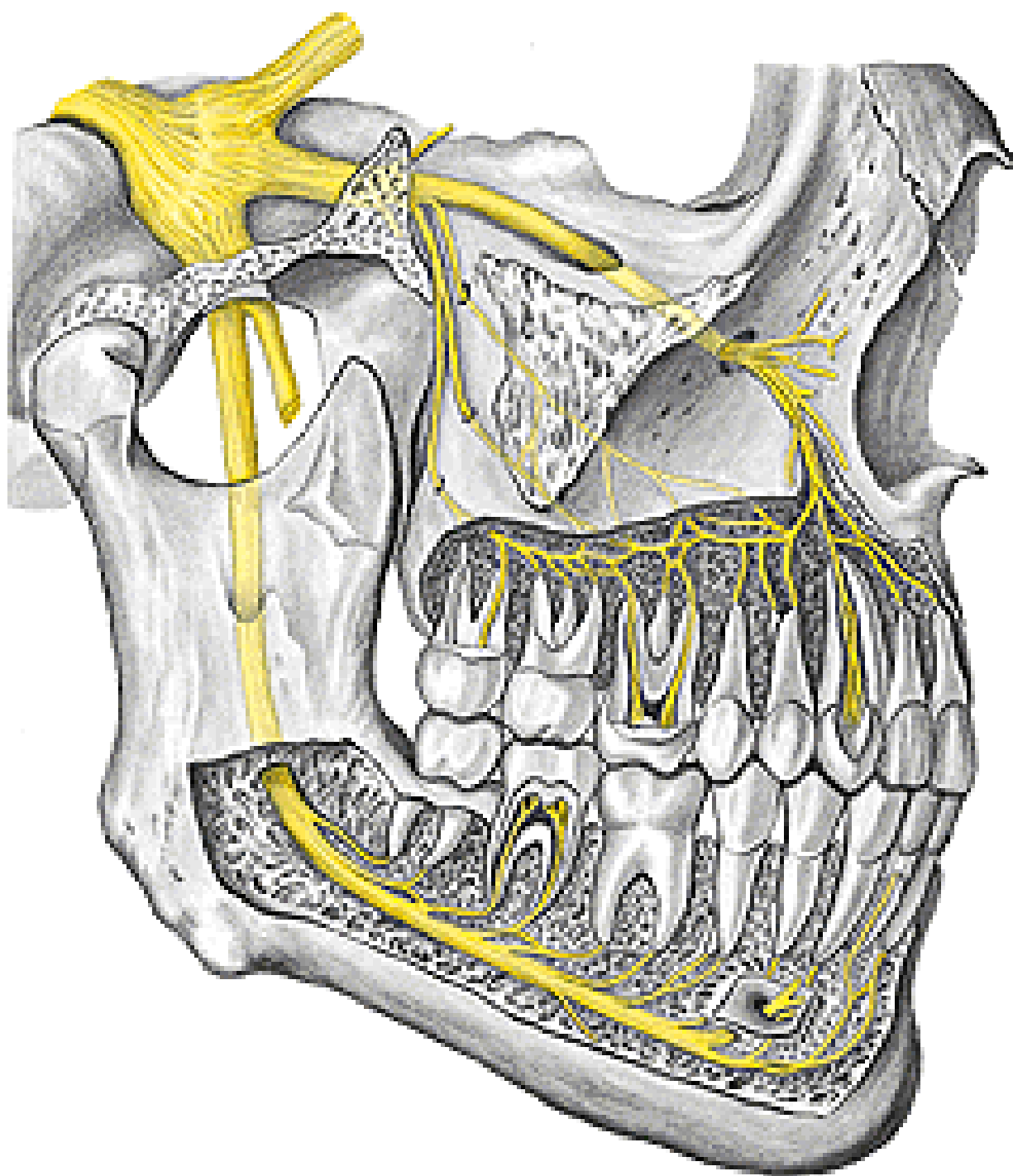
5 11th-13th year

6 6th-7th year

7 12th-14th year

8 17th-40th year

6, 1, 2, 4, 3, 5, 7, 8



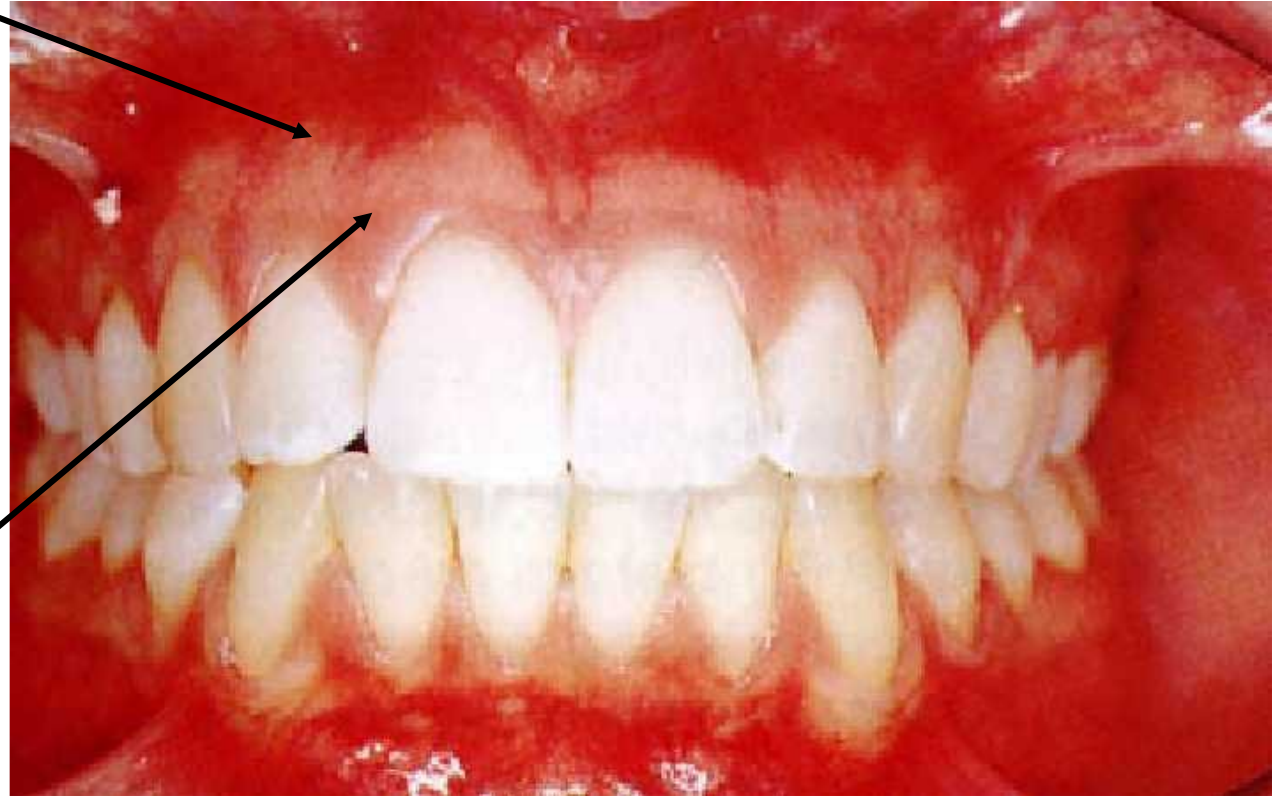
Alveolar mucosa (unattached gingiva)

Mucogingival border

Gingiva proper
(attached gingiva)

- gingiva fixa
- gingiva libera

Paramarginal border



Illustrations and photographs were copied from:
Atlas der Anatomie des Menschen/Sobotta.
Putz,R., und Pabst,R. 20. Auflage. München:
Urban & Schwarzenberg, 1993)