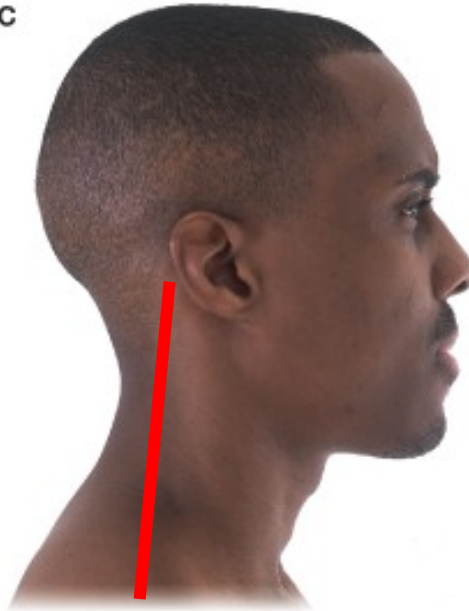


REGIONAL ANATOMY OF THE TRUNK

C

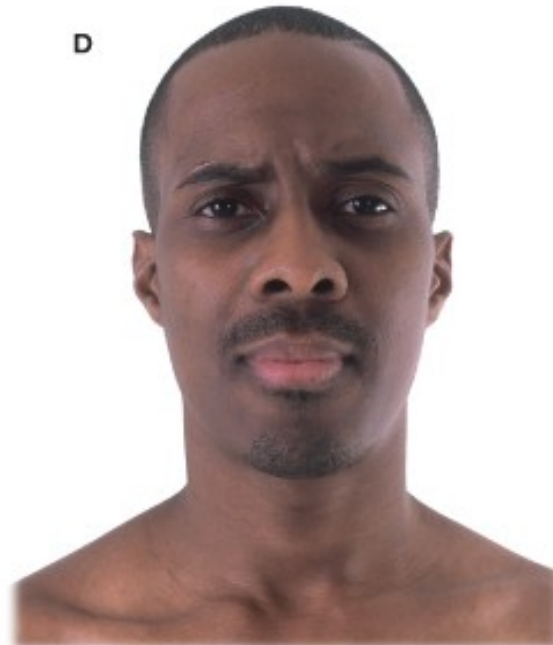


**REGIO CERVICALIS
POSTERIOR**

**REGIO CERVICALIS
ANTERIOR ET
LATERALIS**

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D

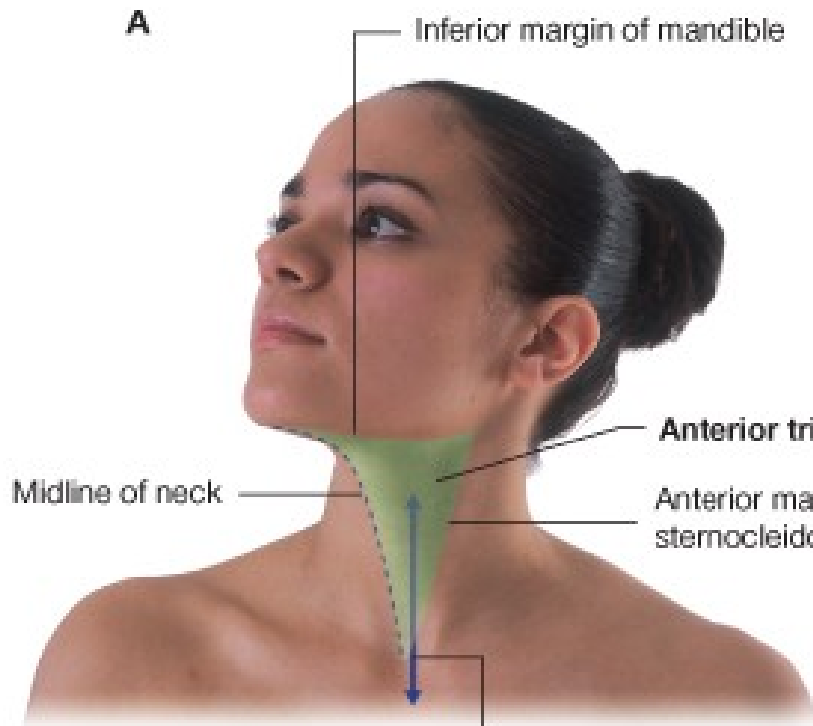


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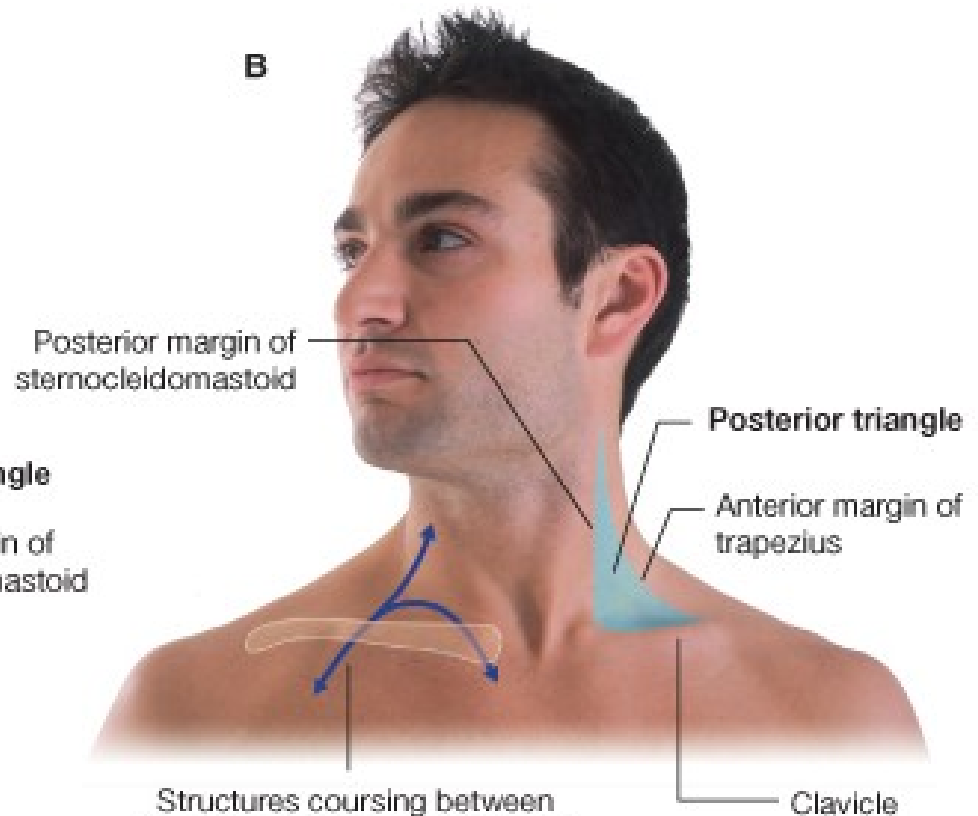
REGIO CERVICALIS ANTERIOR

REGIO CERVICALIS LATERALIS

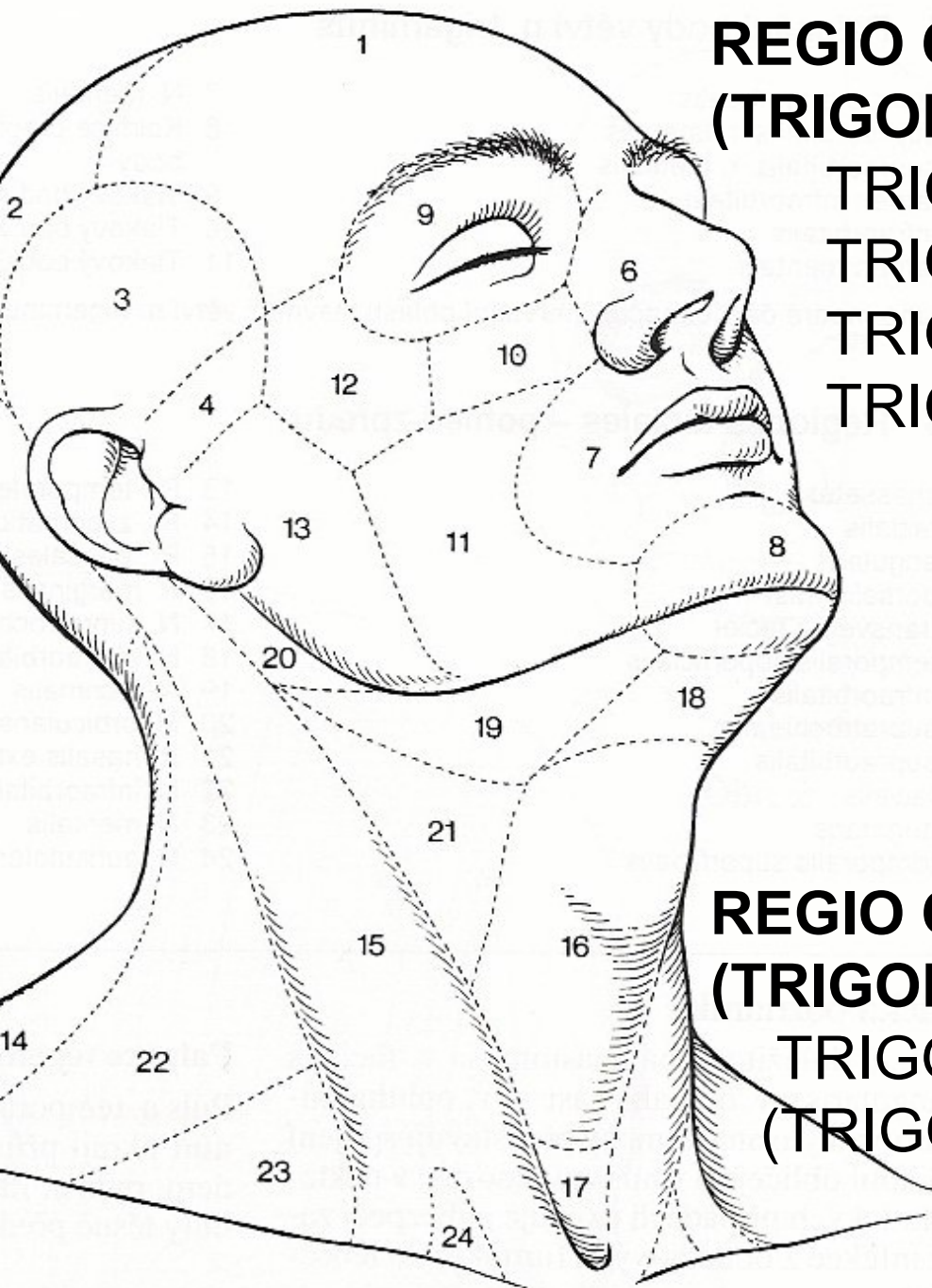
REGIO STERNOCLEIDOMASTOIDEA



Structures coursing between head and thorax are associated with the anterior triangles



Structures coursing between thorax/neck and upper limb are associated with the posterior triangles



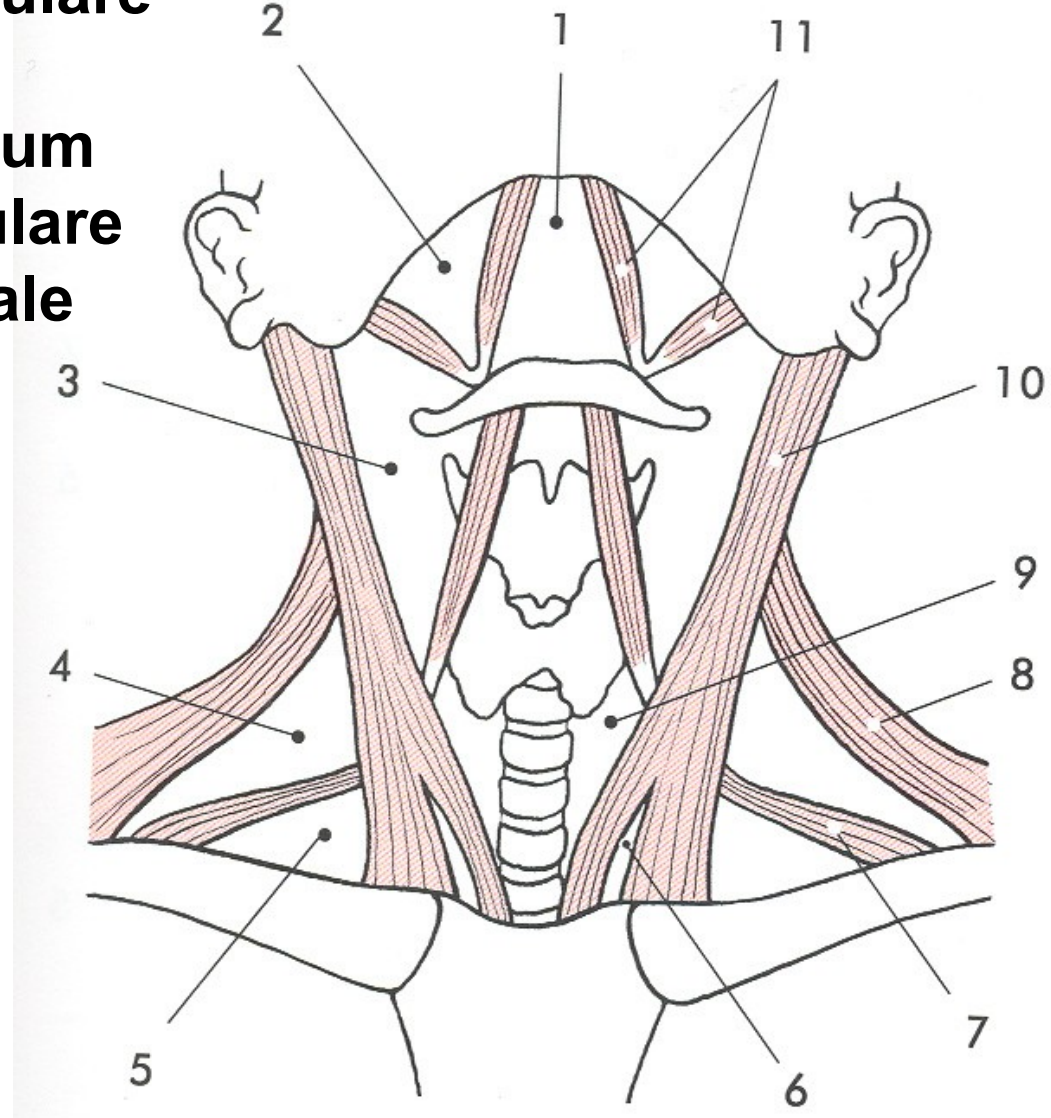
**REGIO CERVICALIS ANTERIOR
(TRIGONUM CERVICALE ANTERIUS):**

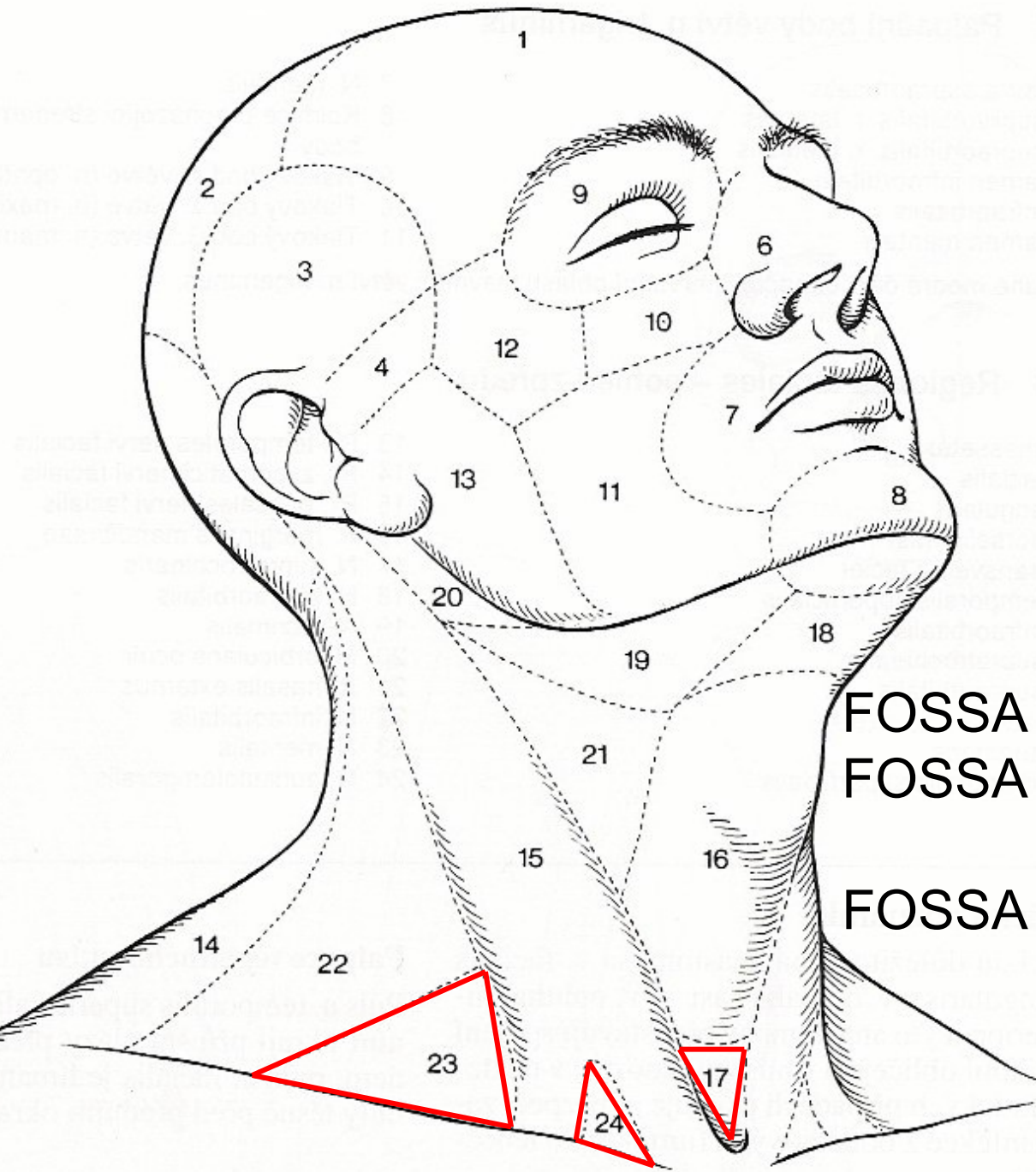
TRIGONUM SUBMENTALE
TRIGONUM SUBMANDIBULARE
TRIGONUM CAROTICUM
TRIGONUM MUSCULARE/
OMOTRACHEALE

**REGIO CERVICALIS LATERALIS)
(TRIGONUM CERVICALE POSTERIUS:**

TRIGONUM OMOCLAVICULARE
(TRIGONUM OMOTRAPEZIUM)

- 1 – trigonum submentale
- 2 – trigonum submandibulare
- 3 – trigonum caroticum
- 4 – trigonum omotrapezium
- 5 – trigonum omoclaviculare
- 9 – trigonum omotracheale

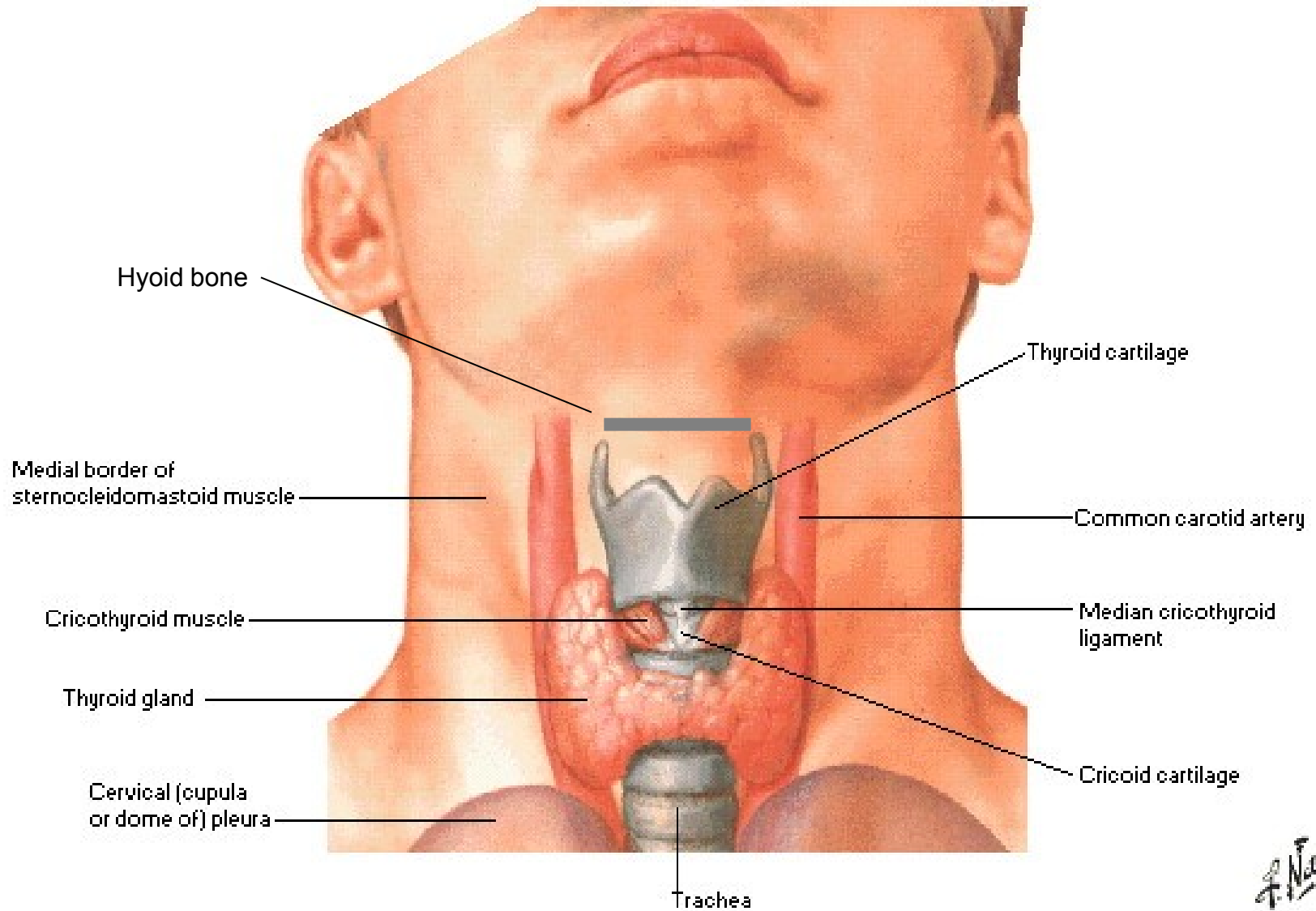


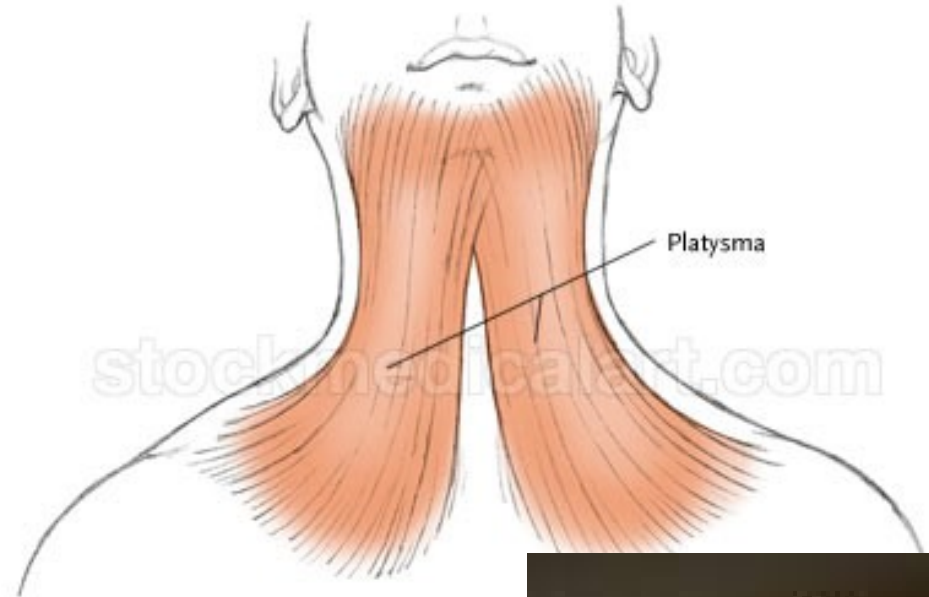
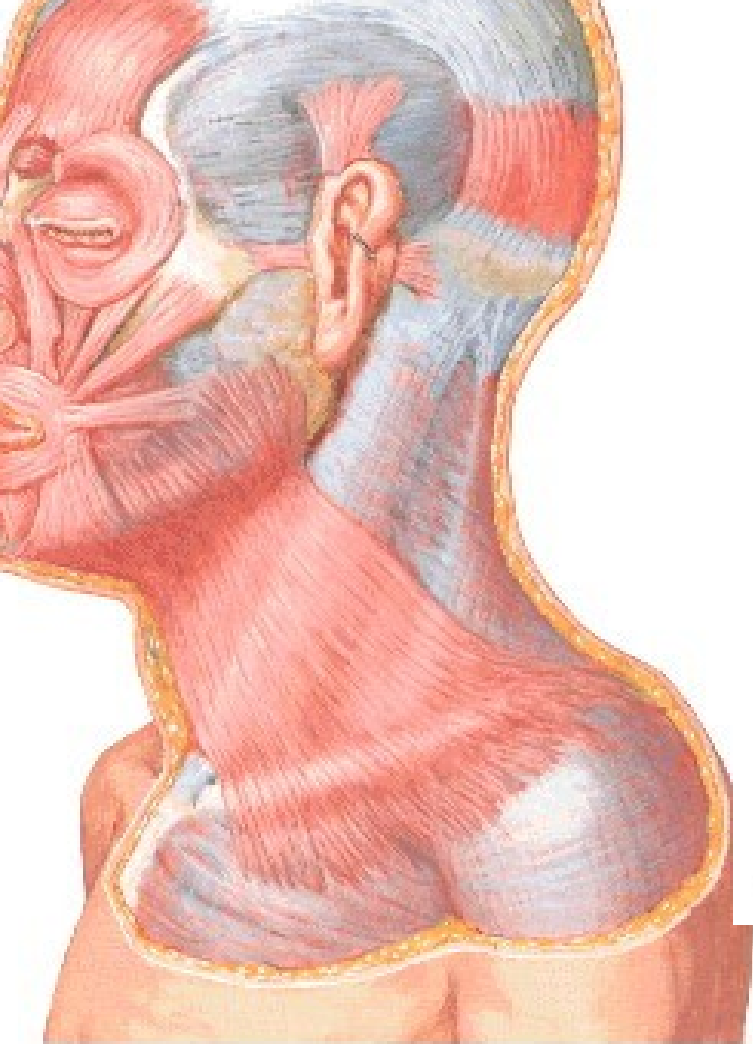


FOSSA JUGULARIS
FOSSA SUPRACLAVICULARIS
MINOR
FOSSA SUPRACLAVICULARIS
MAJOR

Thyroid Gland in Situ

Anterior View





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©Novartis



PLATYSMA

Punctum nervosum (Erb)

N. OCCIPITALIS MINOR

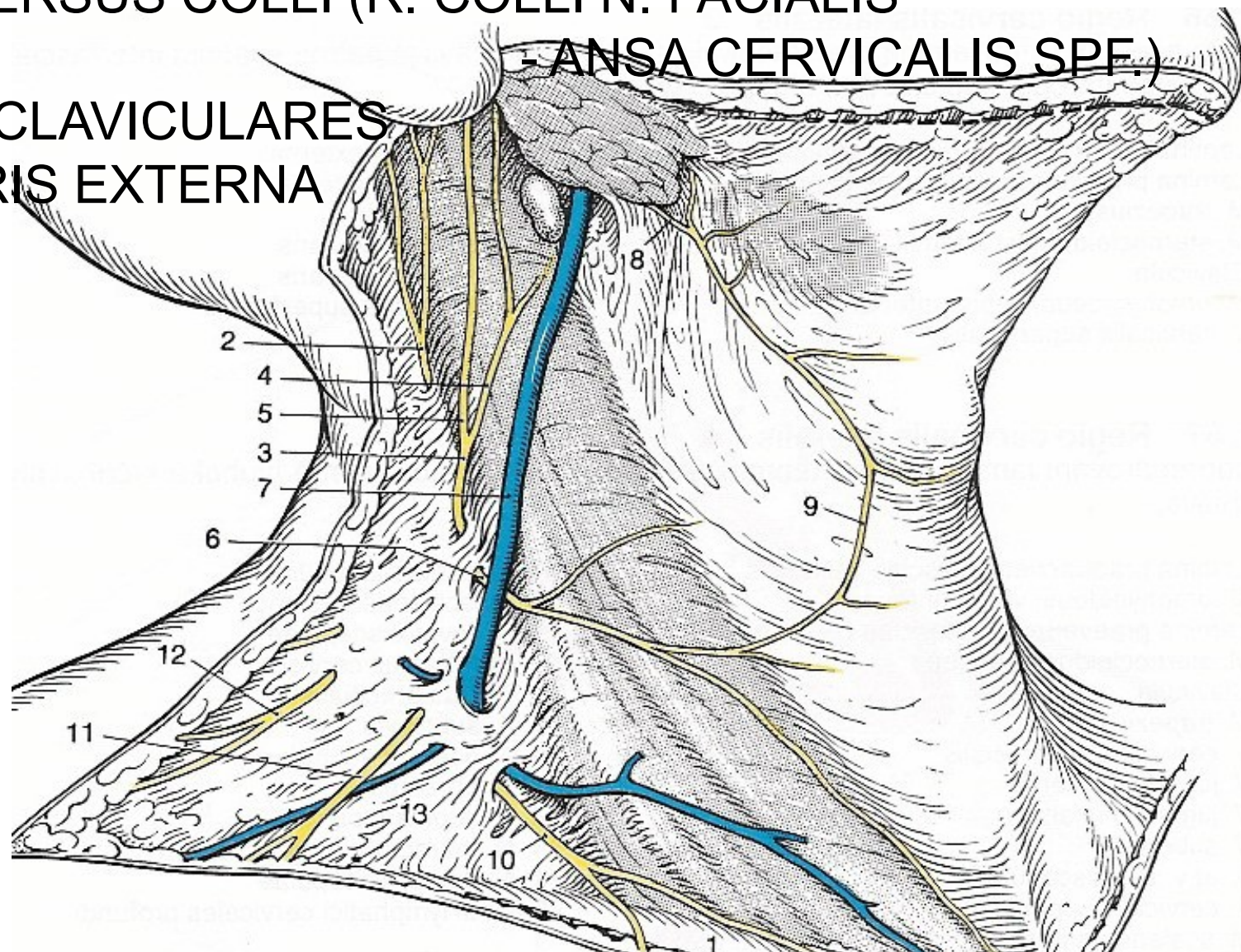
N. AURICULARIS MAGNUS

N. TRANSVERSUS COLLI (R. COLLI N. FACIALIS

- ANSA CERVICALIS SPF.)

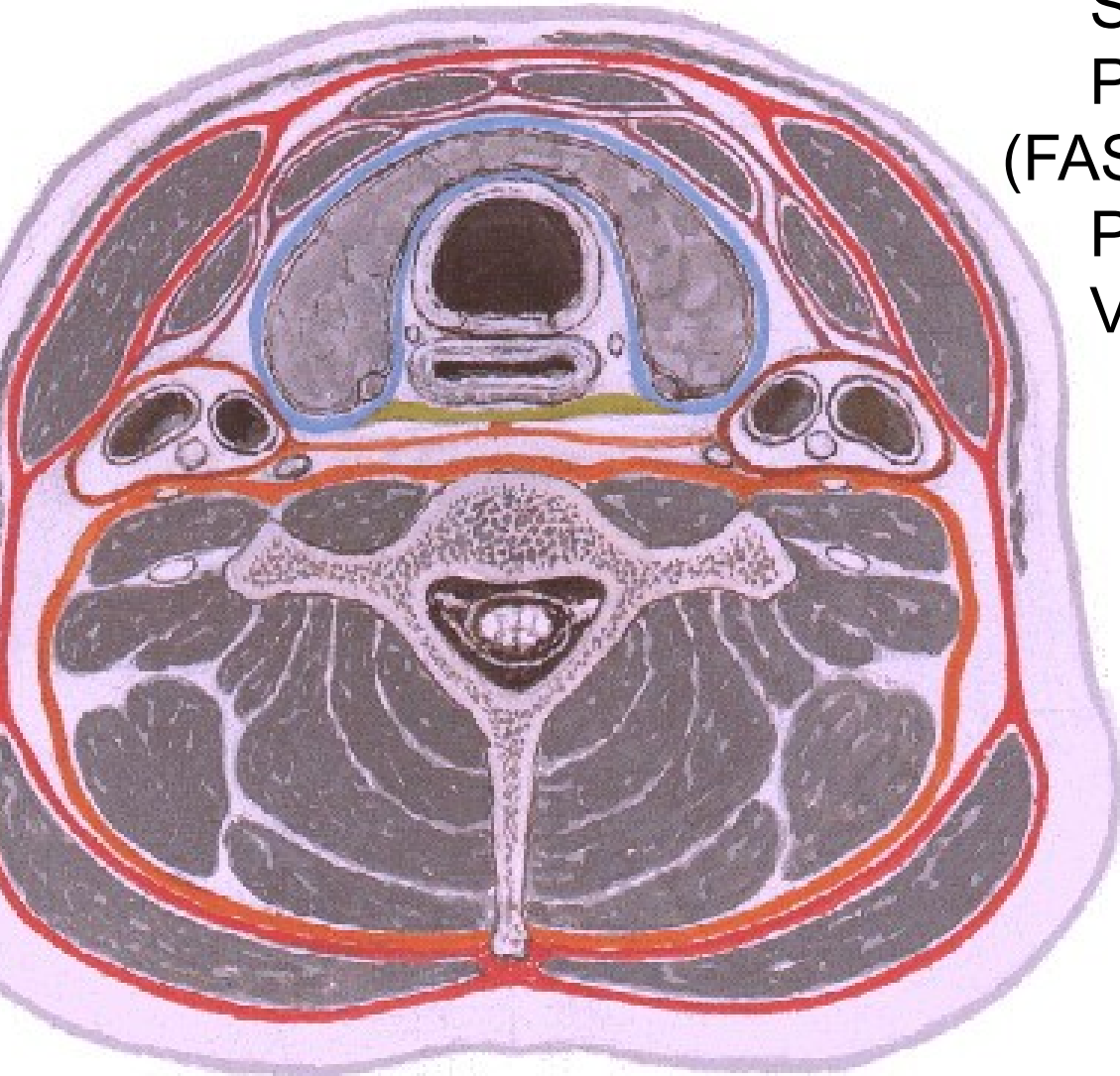
NN. SUPRACLAVICULARES

V. JUGULARIS EXTERNA



Fascial Layers of Neck

Cross Section



FASCIA CERVICALIS:

LAMINA

SUPERFICIALIS

PRAETRACHEALIS

(FASCIA BUCCOPHARYNGEA)

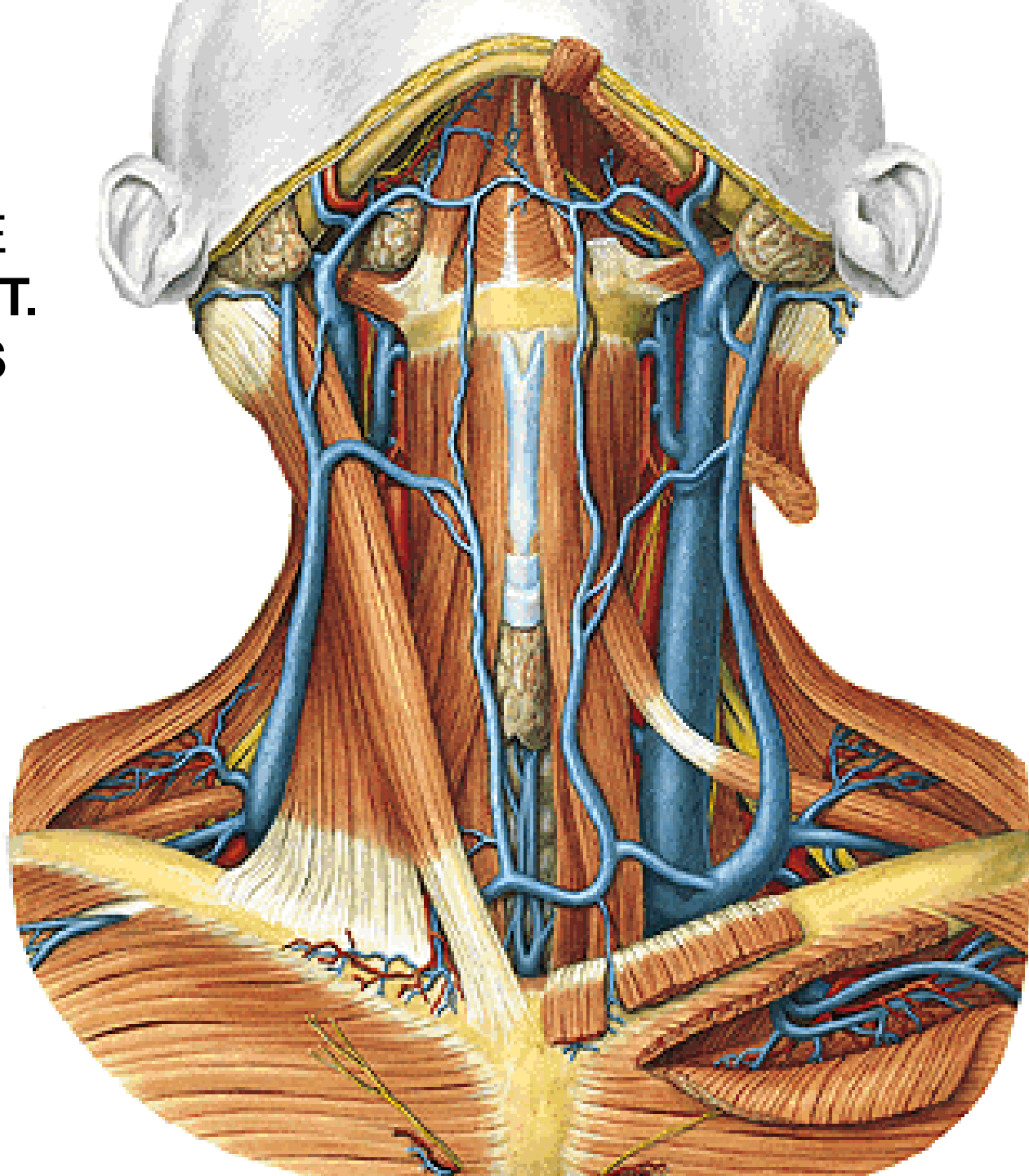
PRAEVERTEBRALIS

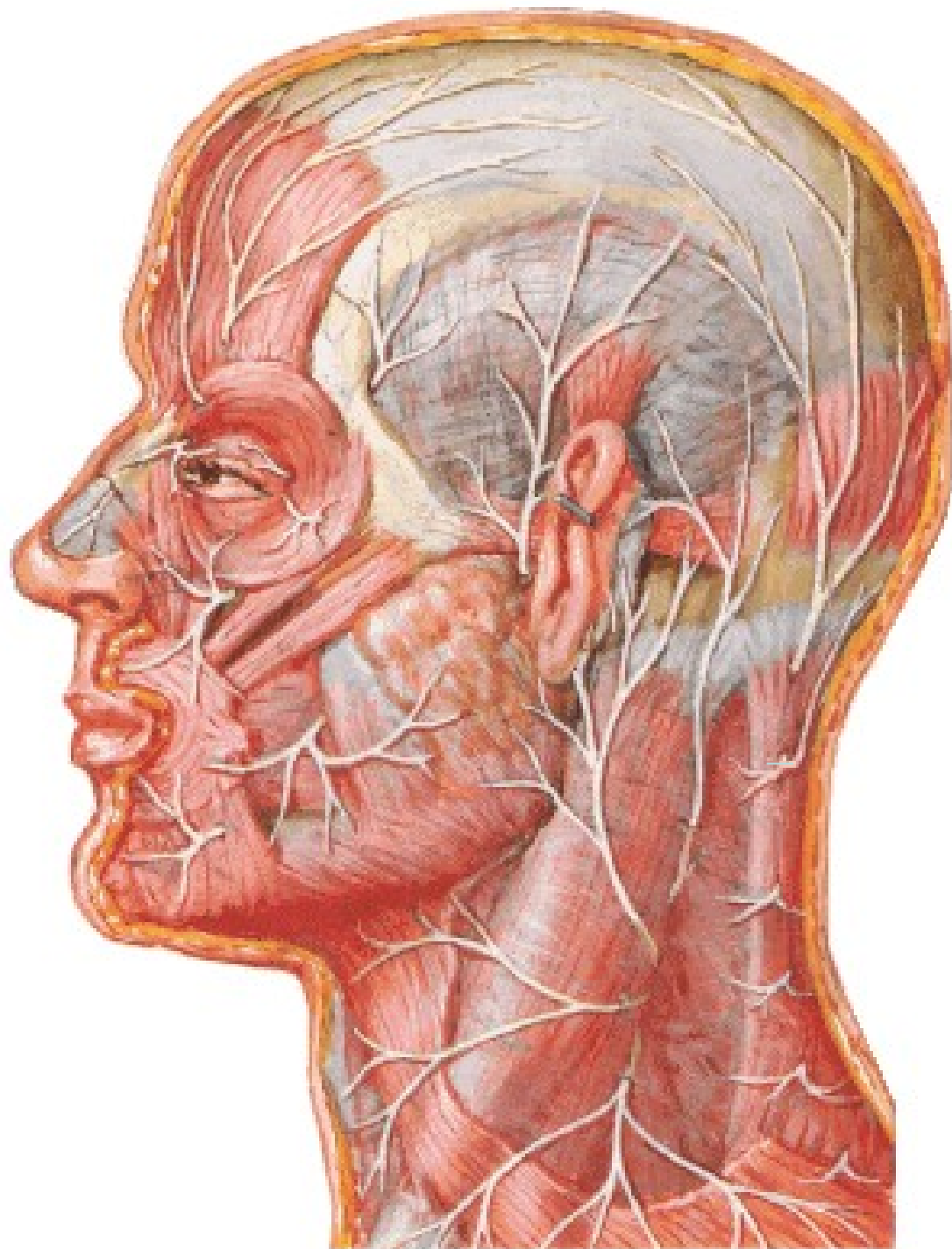
VAGINA CAROTICA

SPATIUM

RETROPHARYNGEALE

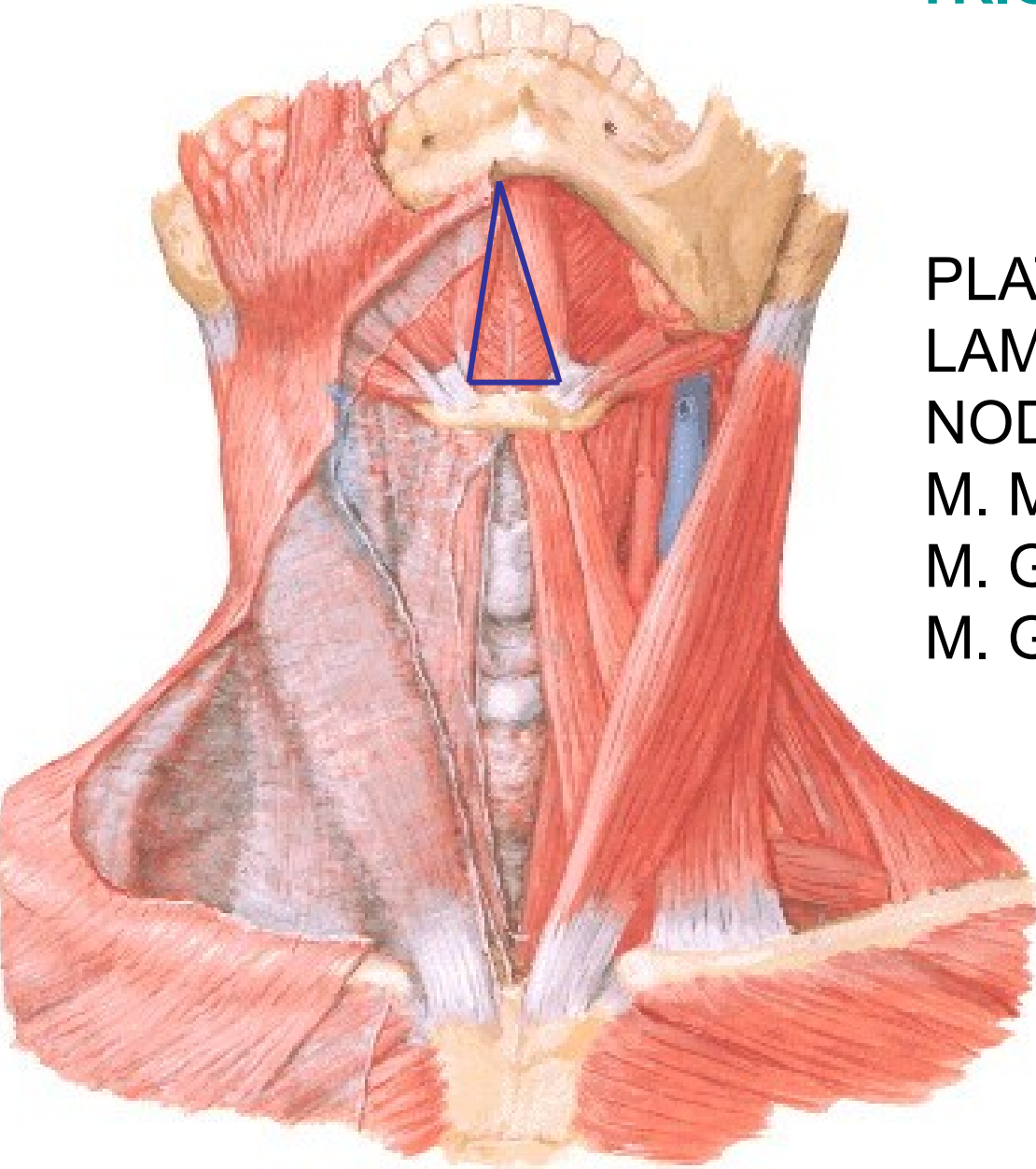
**SPATIUM
SUPRASTERNALE
V. JUGULARIS ANT.
ARCUS VENOSUS
JUGULI**





Anterior View

TRIGONUM SUBMENTALE



PLATYSMA

LAMINA SUPERFICIE FASCIAE CERVICIS

NODI LYMPH. SUBMENTALES

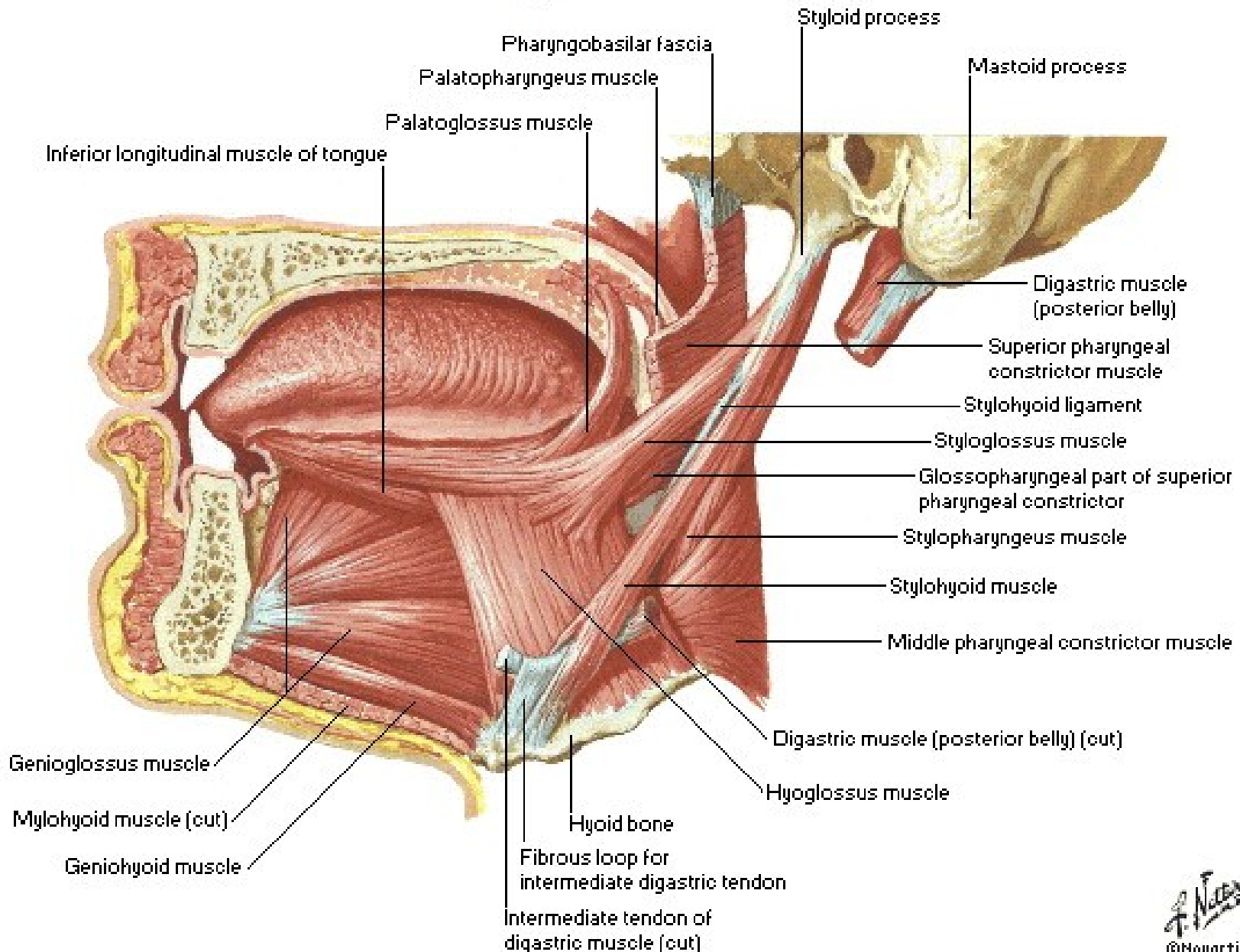
M. MYLOHYOIDEUS

M. GENIOHYOIDEUS

M. GENIOGLOSSUS

Muscles of Tongue

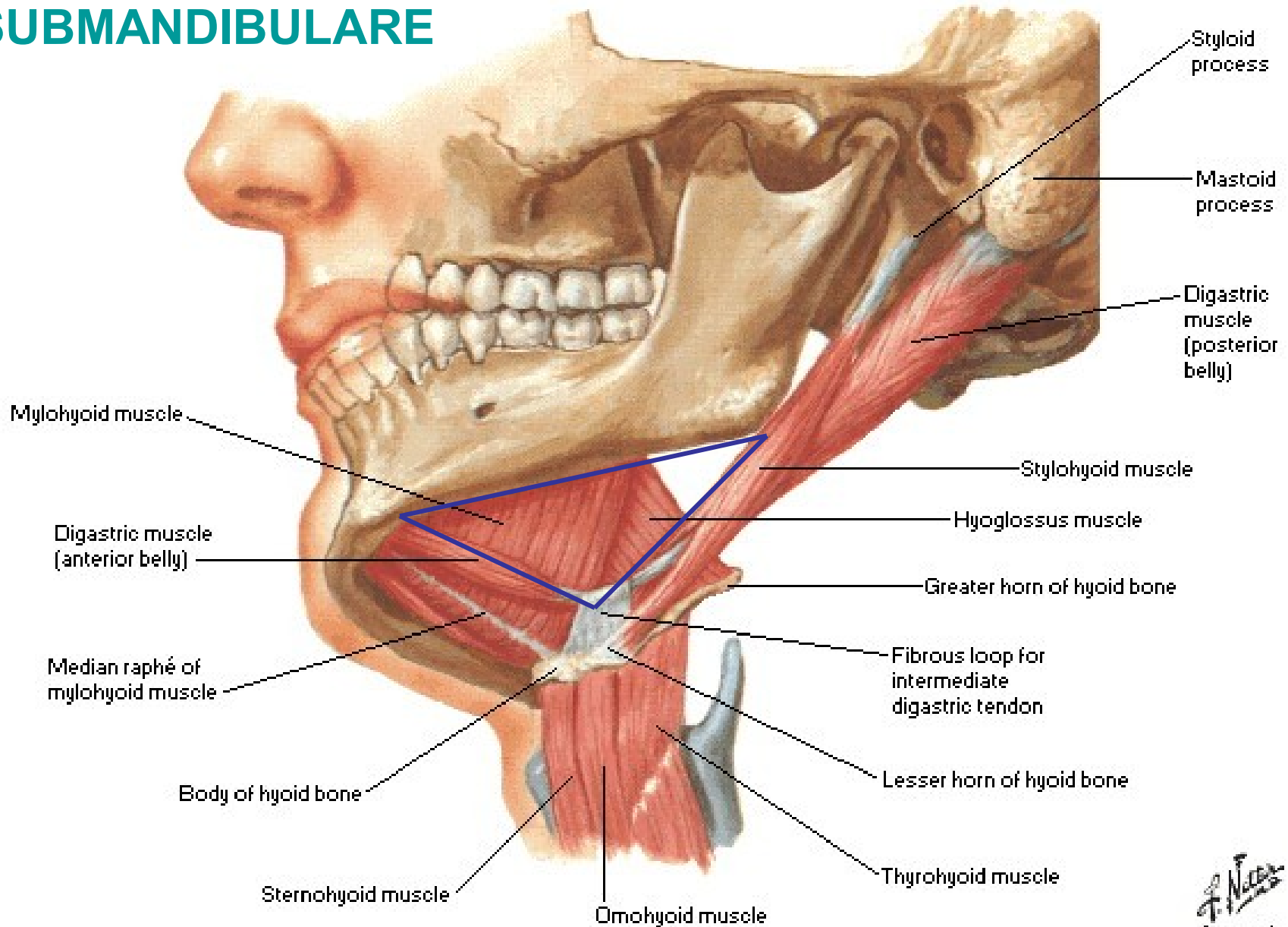
Sagittal Section

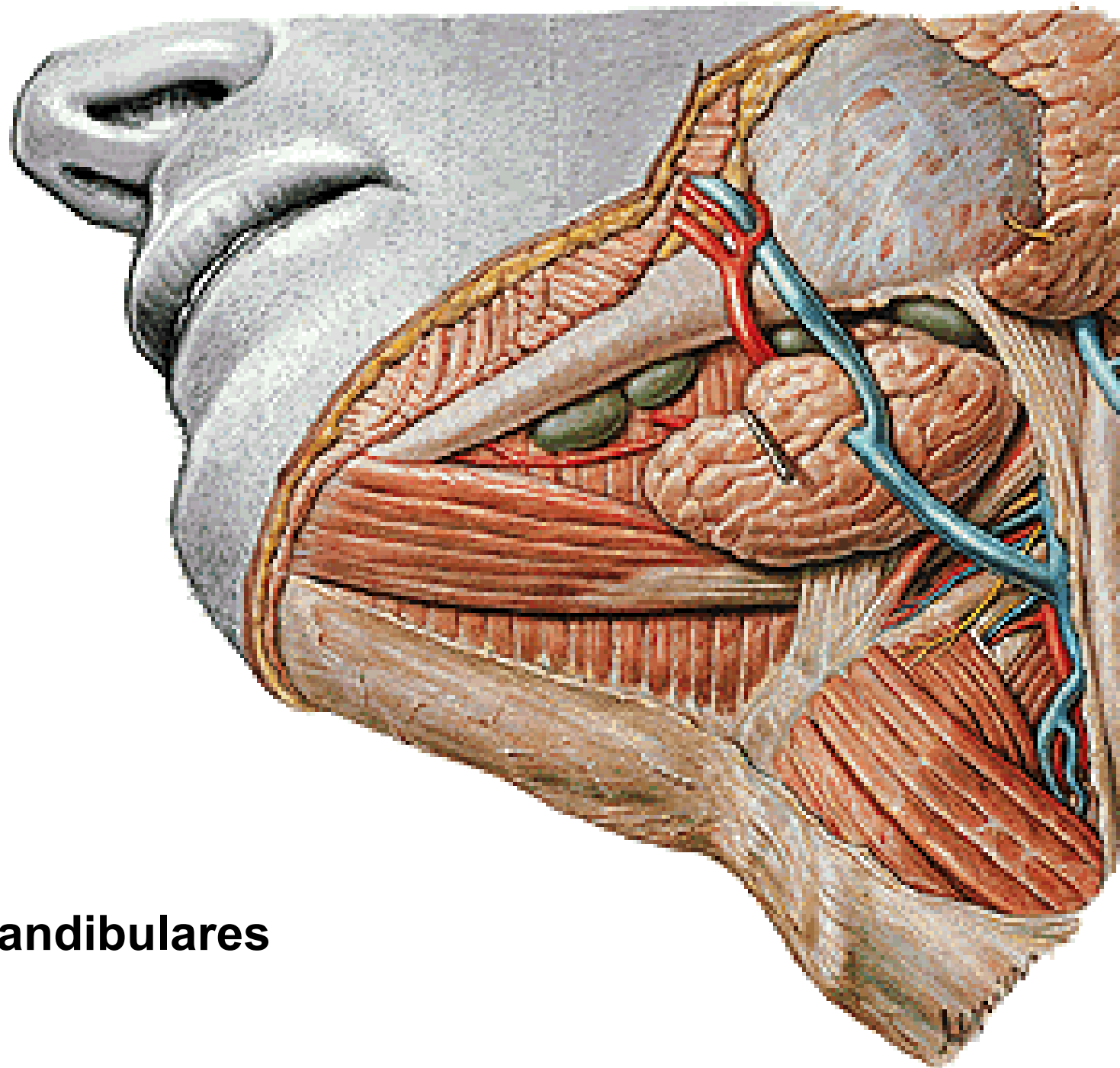


Floor of Mouth - Musculature

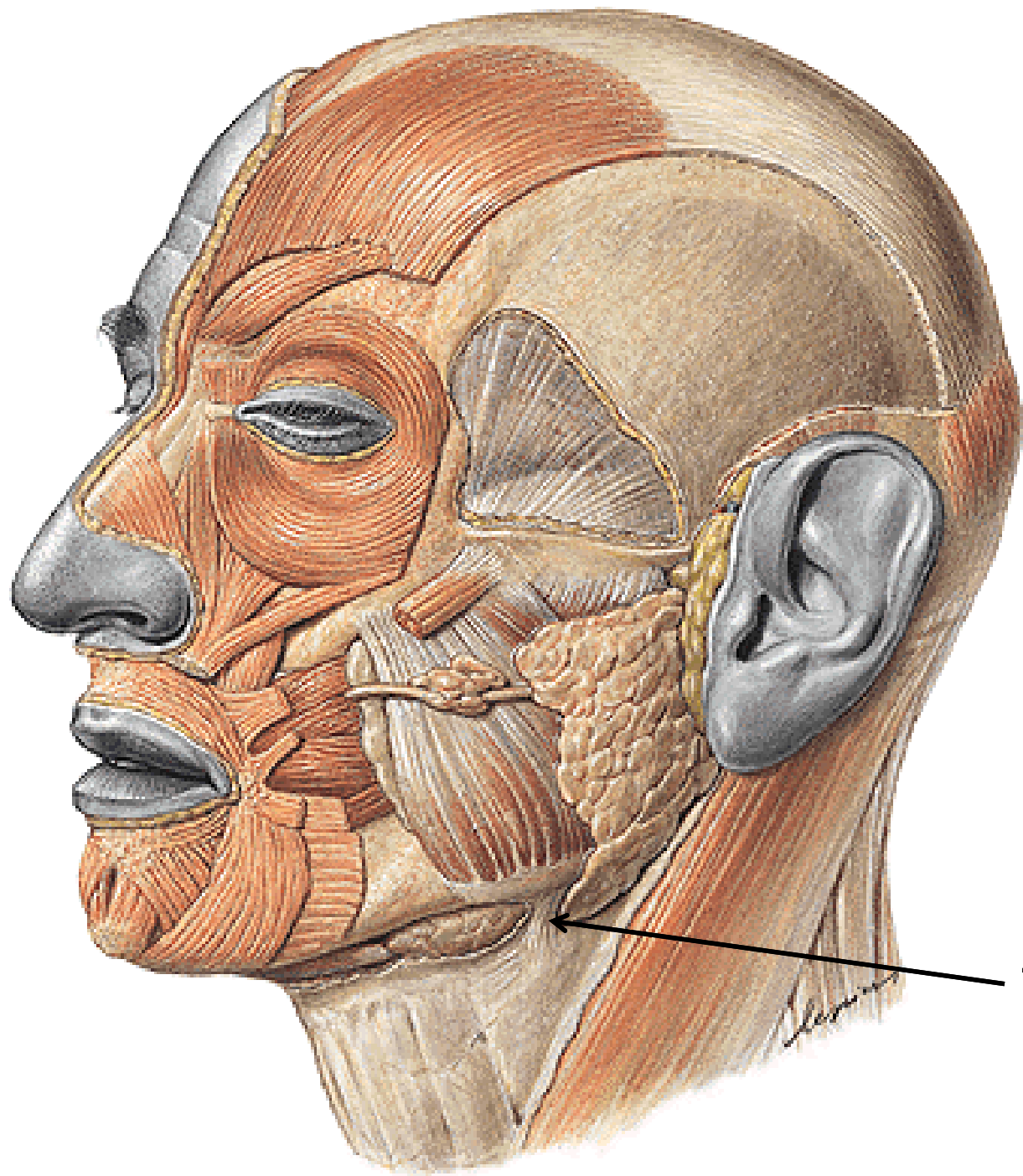
Lateral, Slightly Inferior View

TRIGONUM SUBMANDIBULARE





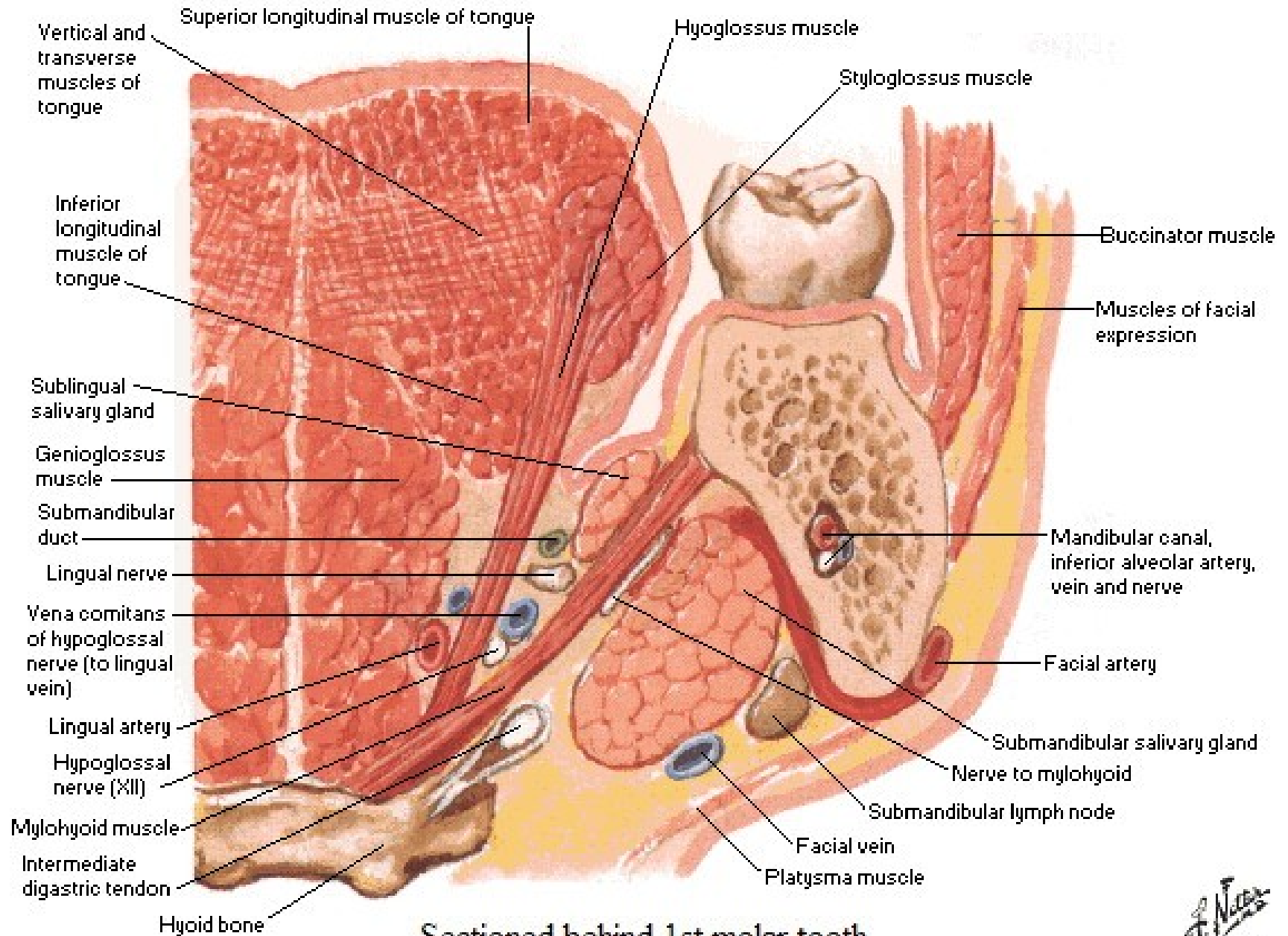
III. submandibulares



TRACTUS
ANGULARIS

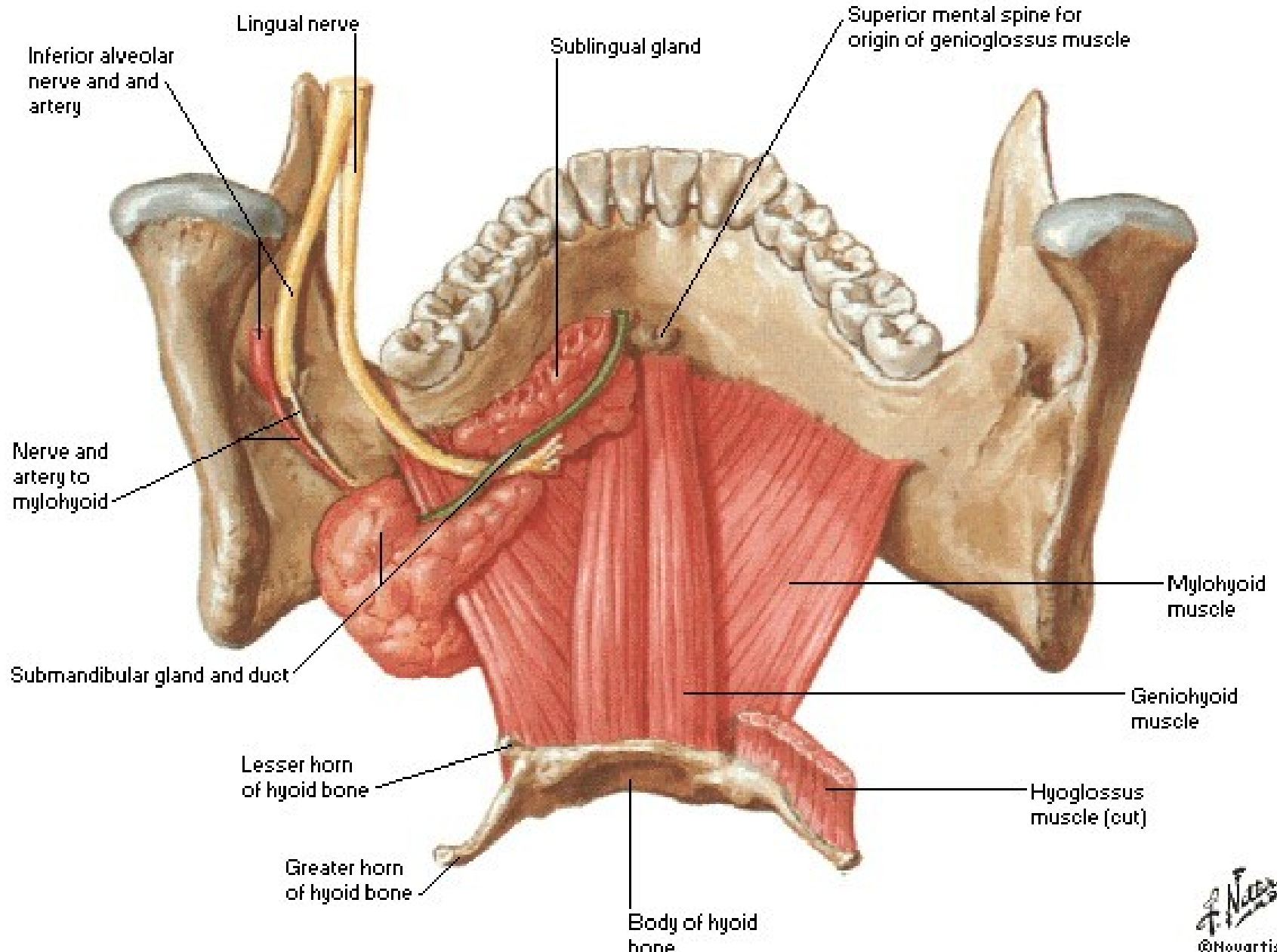
Tongue and Mouth

Frontal Section - Anterior View



Floor of Mouth - Musculature

Posterosuperior View

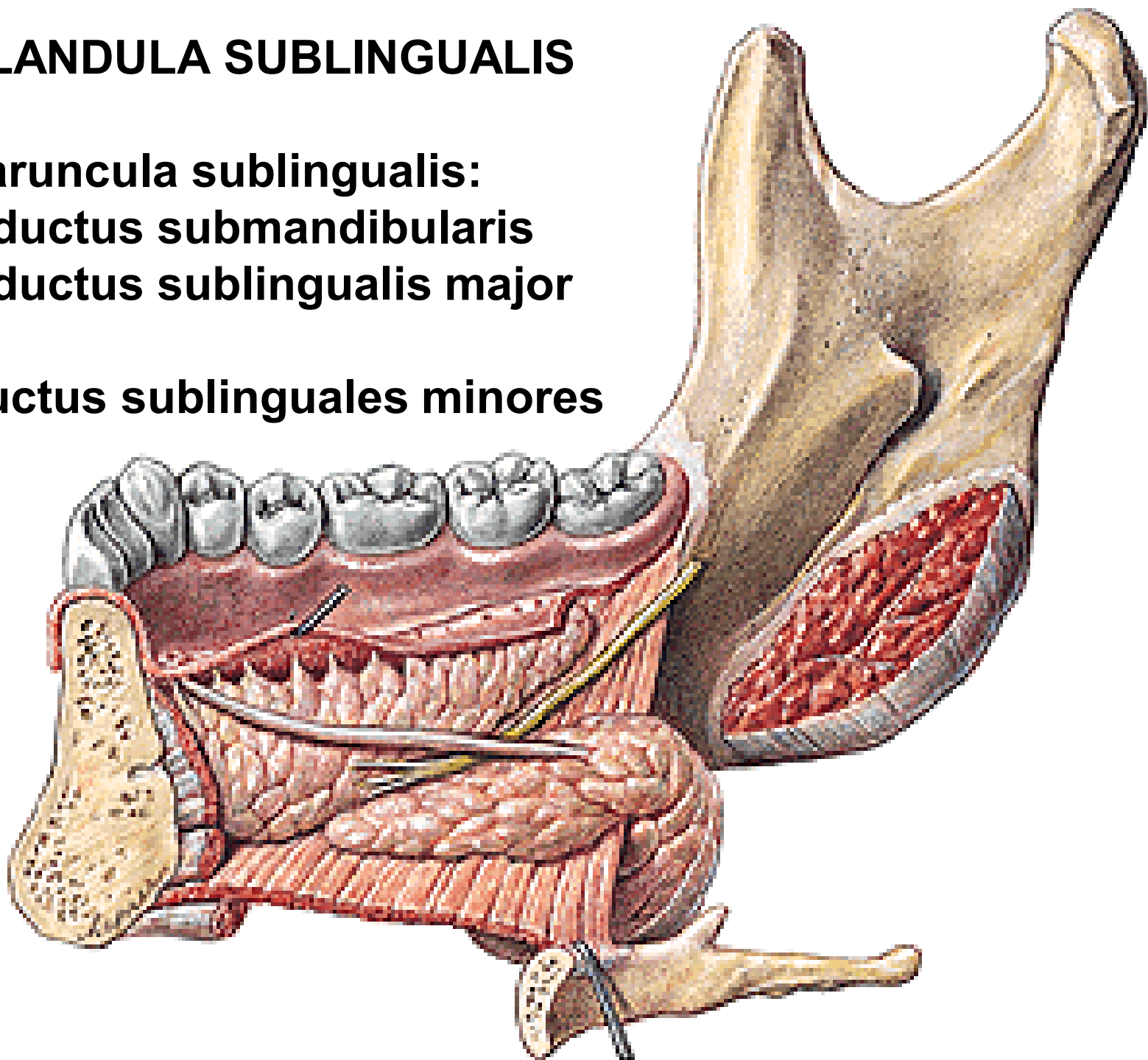


GLANDULA SUBLINGUALIS

Caruncula sublingualis:

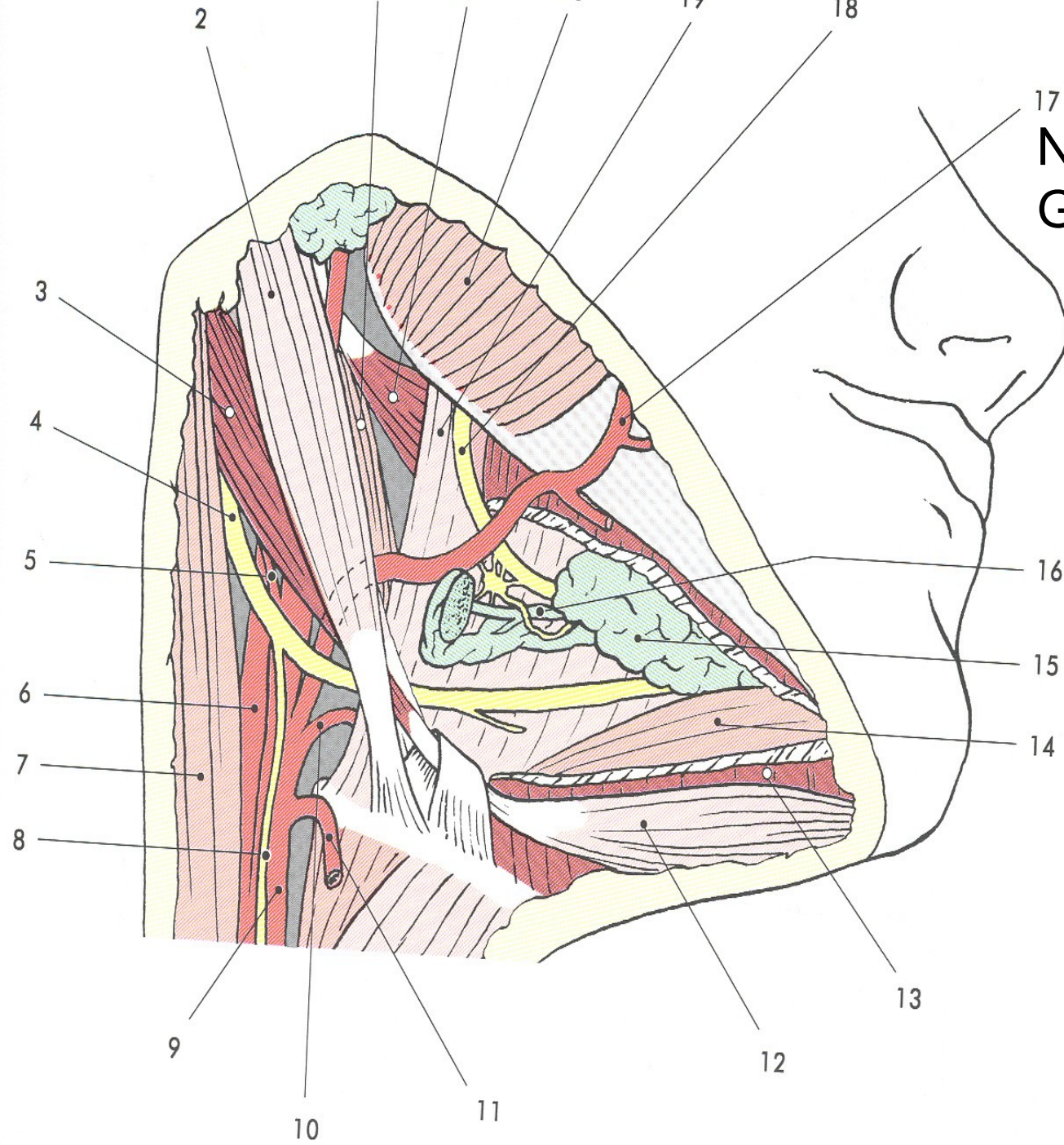
- ductus submandibularis
- ductus sublingualis major

Ductus sublinguales minores

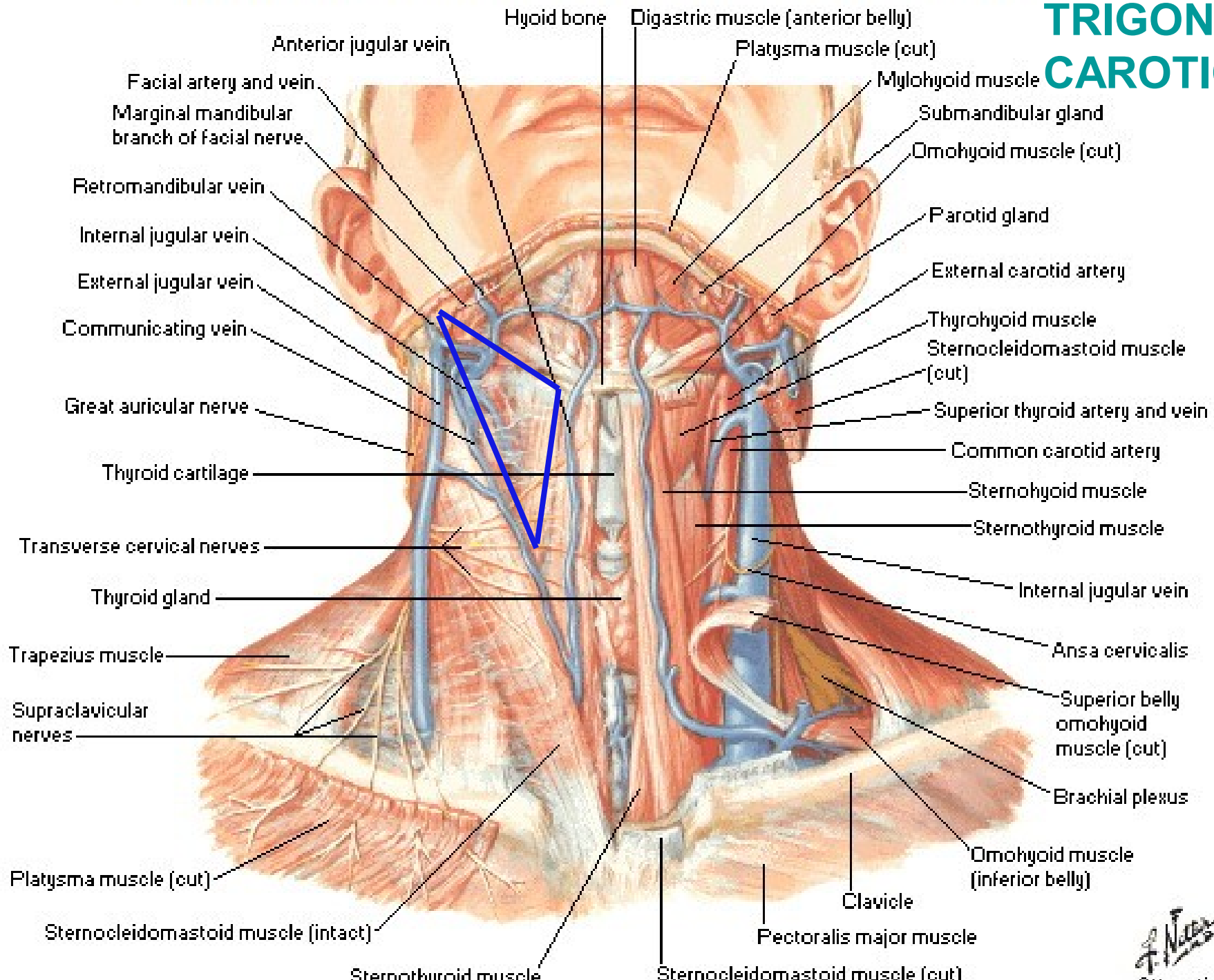




17
N. LINGUALIS
GANGLION
SUBMANDIBULARE

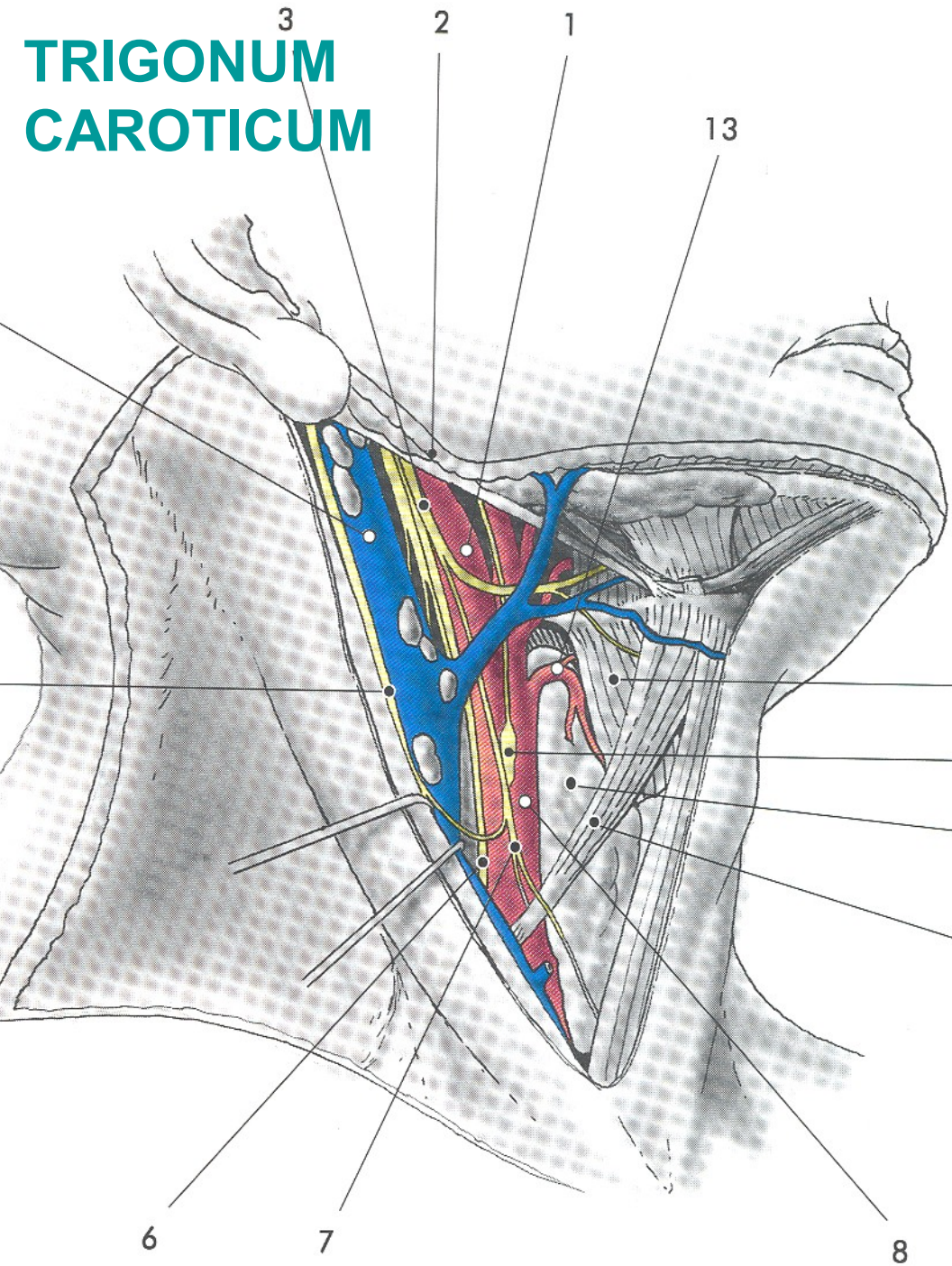


TRIGONUM CAROTICUM

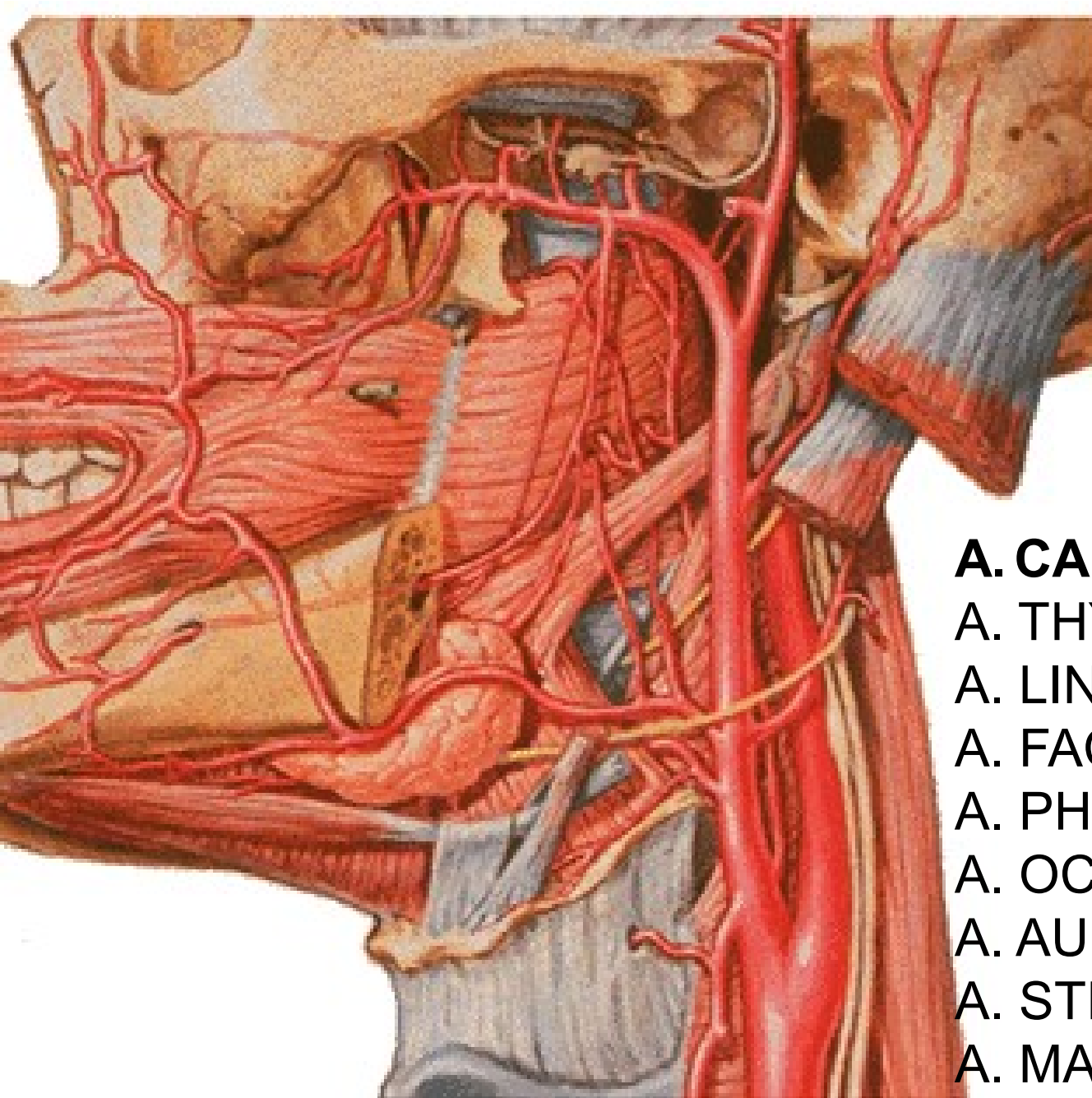


F. Netter

TRIGONUM CAROTICUM



- CONTENTS:
- V. FACIALIS
- V. JUGULARIS INT.
- NL. CERVICALES PROF.
- A. CAROTIS COMM.-
EXT.+INT.
- N. VAGUS
- N. HYPOGLOSSUS
- ANSA CERVICALIS PROF.
- GLOMUS CAROTICUM
- SINUS CAROTICUS



A. CAROTIS EXT:

A. THYROIDEA SUP.

A. LINGUALIS

A. FACIALIS

A. PHARYNGEA ASC.

A. OCCIPITALIS

A. AURICULARIS POST.

A. STERNOCLEIDOMAST

A. MAXILLARIS

A. TEMPORALIS SPF.

Lymphatic drainage of the head and neck:

Nodi lymph. occipitales

Nll. retroauriculares

Nll. parotidei

Nll. submandibulares

Nll. submentales

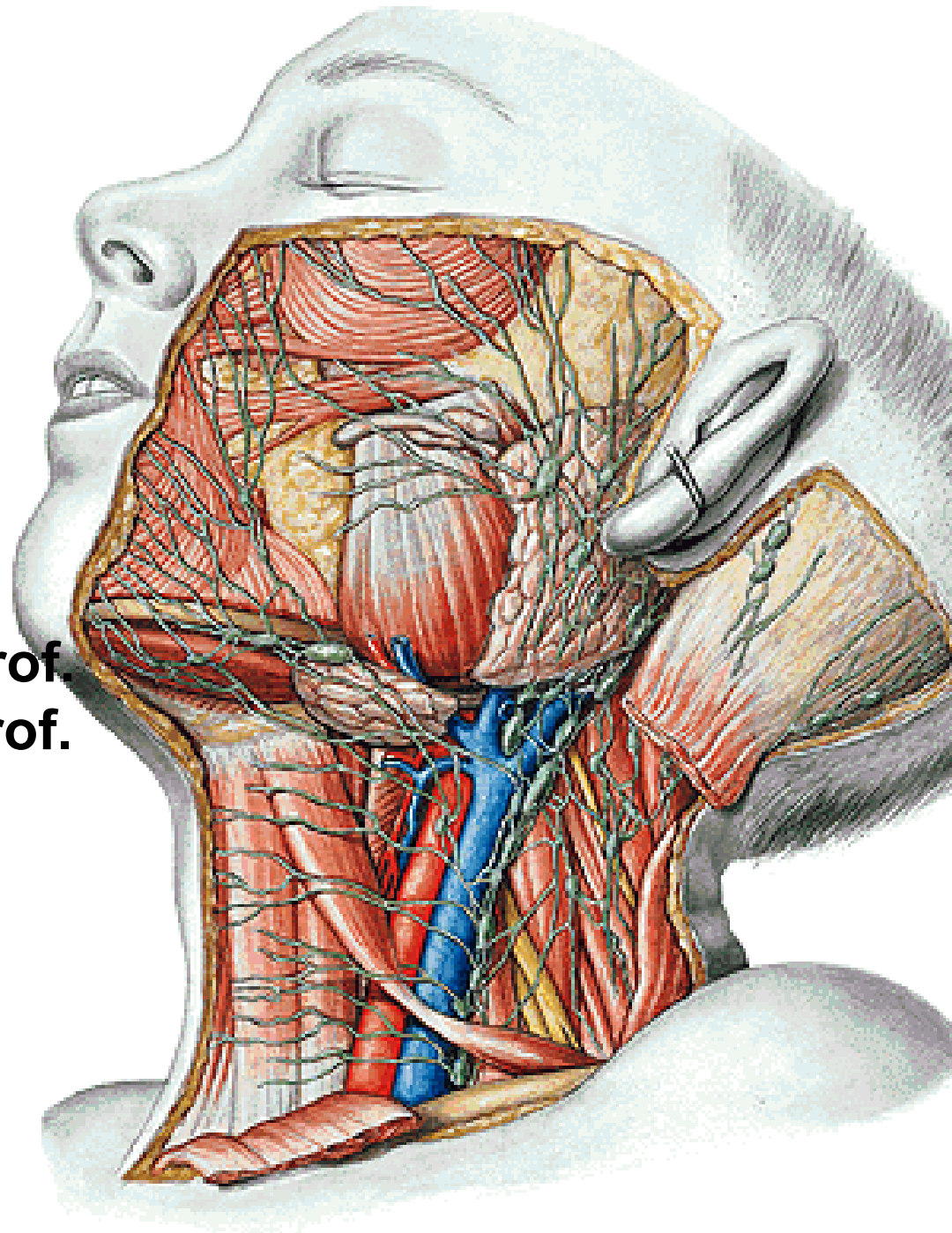
Nll. cervicales ant.spf. et prof.

Nll. cervicales lat. spf. et prof.

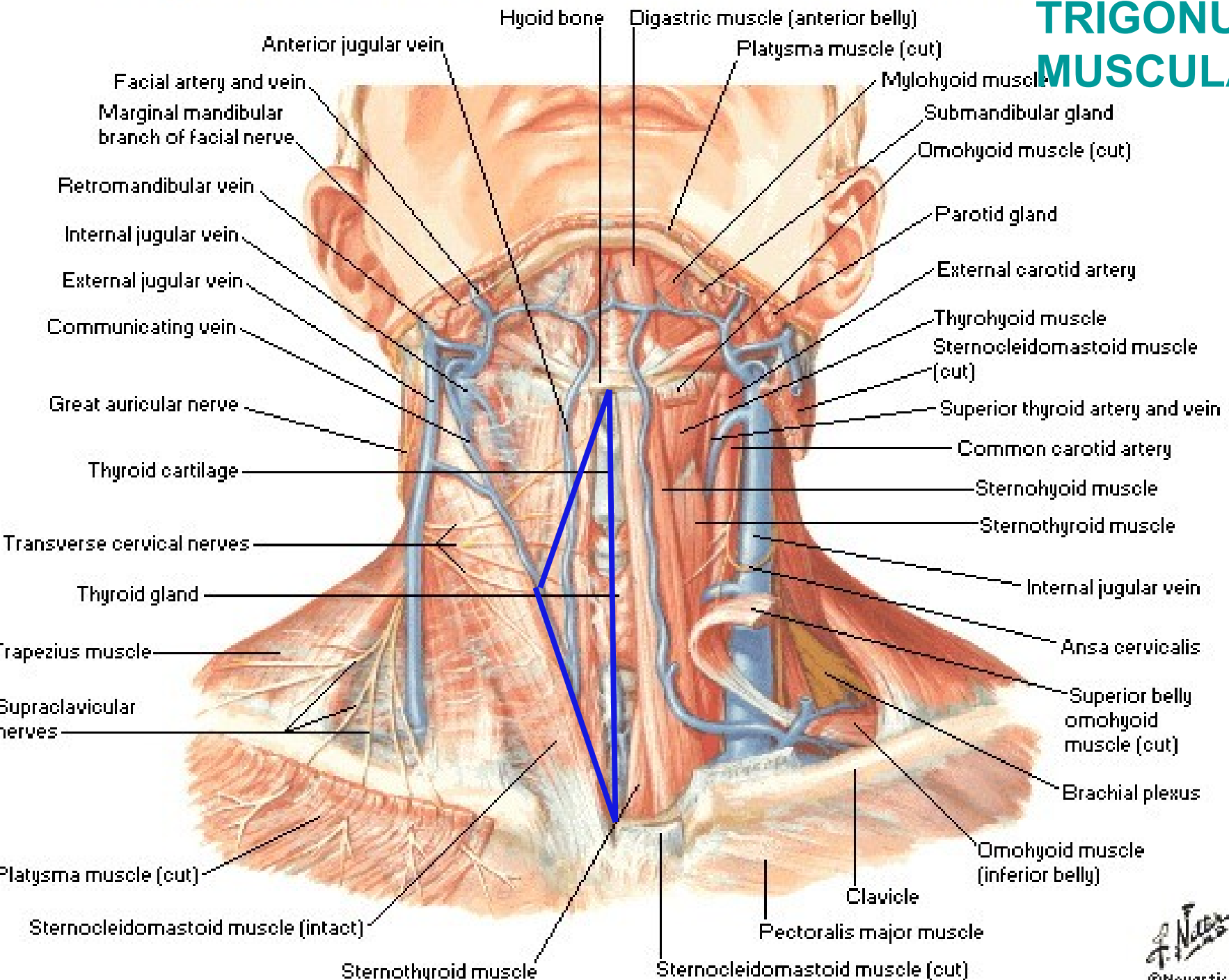
(nll. jugulares int.

nll. supraclaviculares)

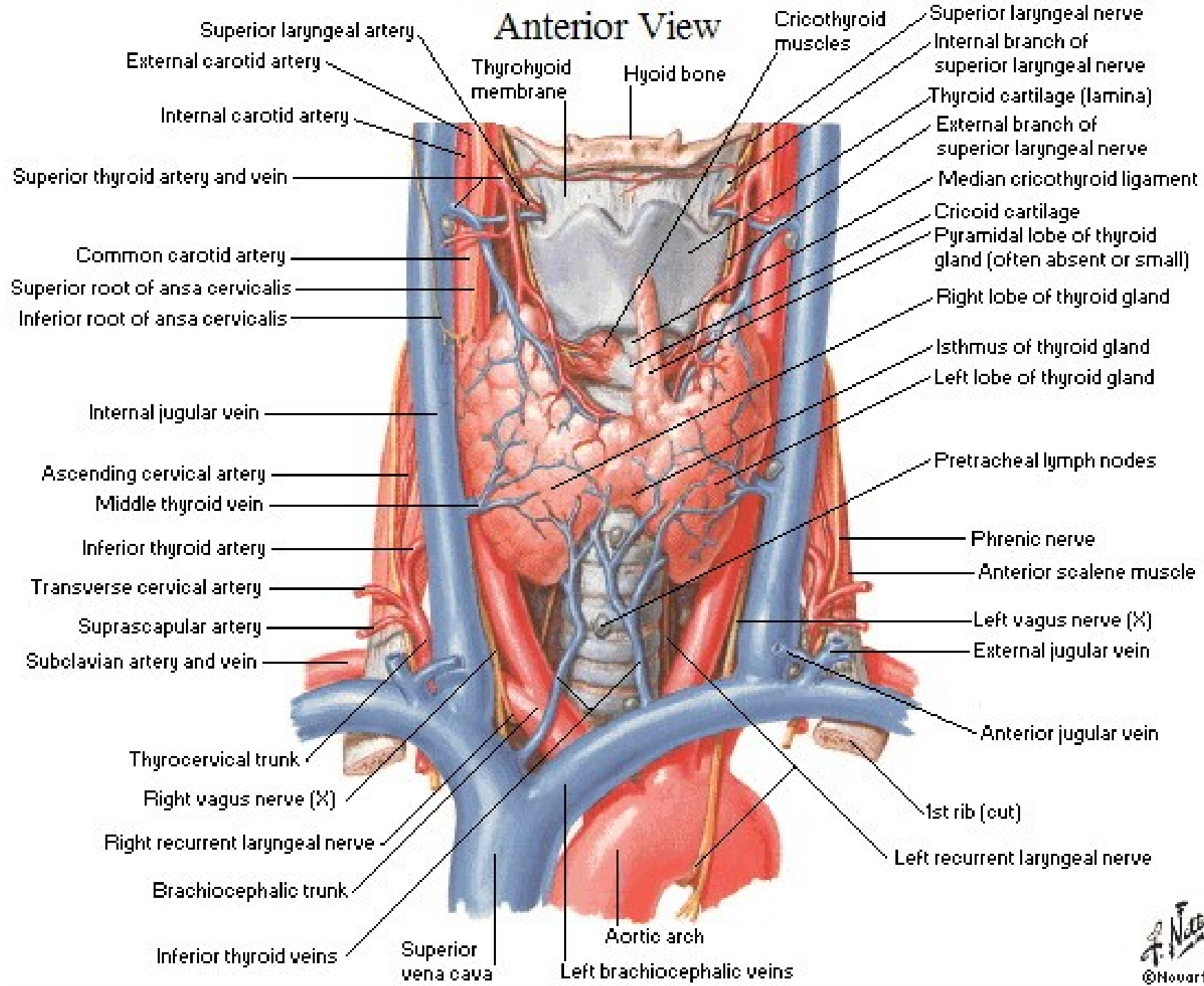
→ **tr. jugularis**



TRIGONUM MUSCULARE

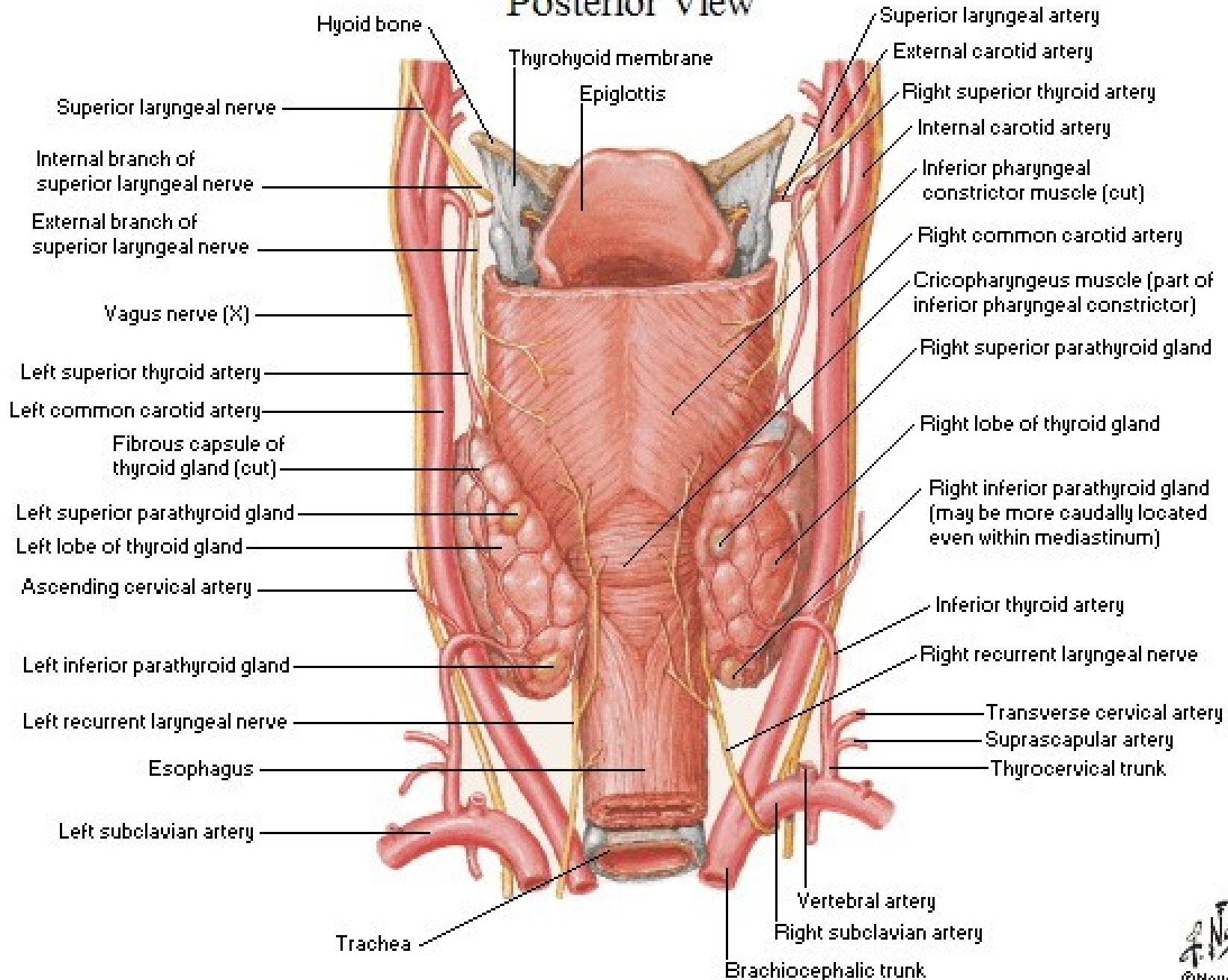


Anterior View



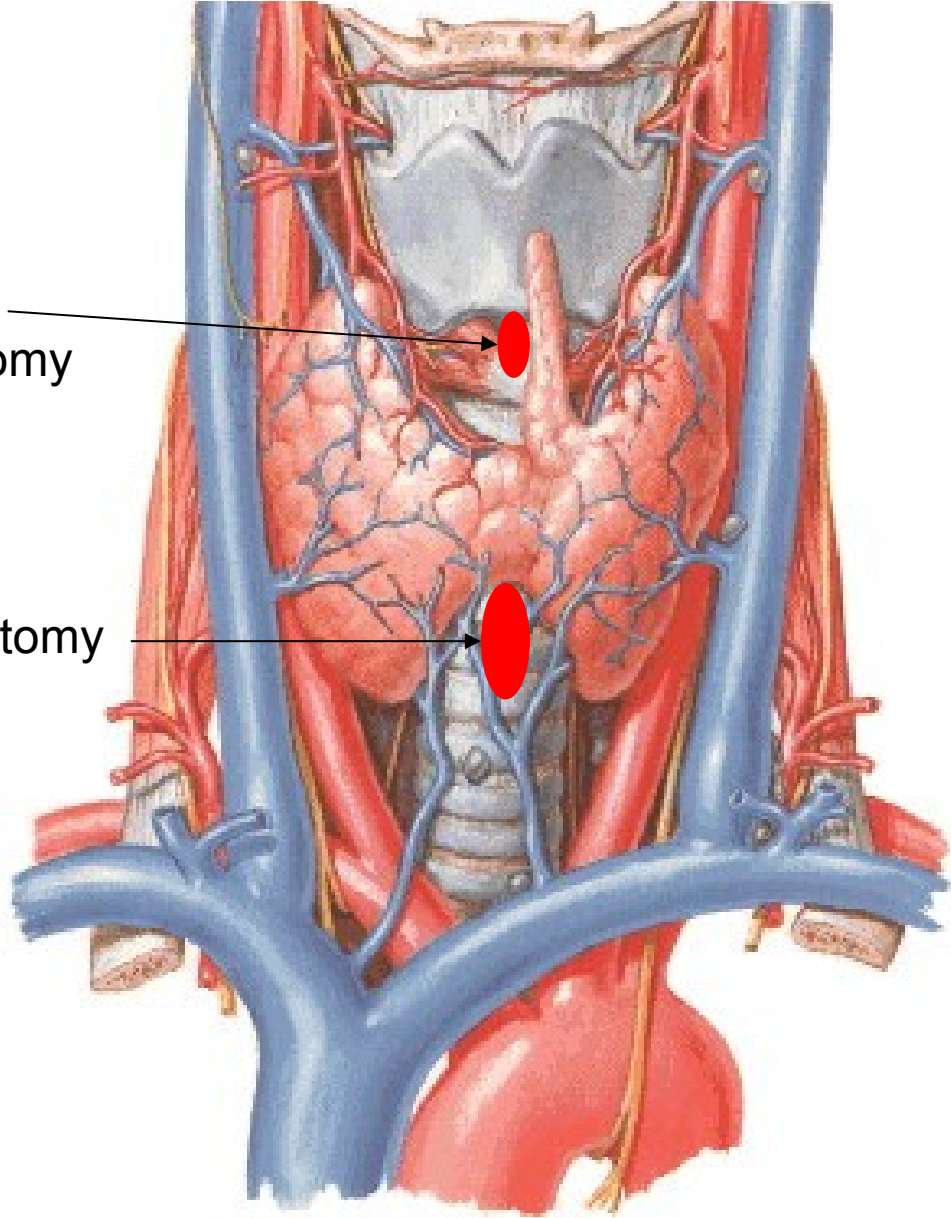
Parathyroid Glands

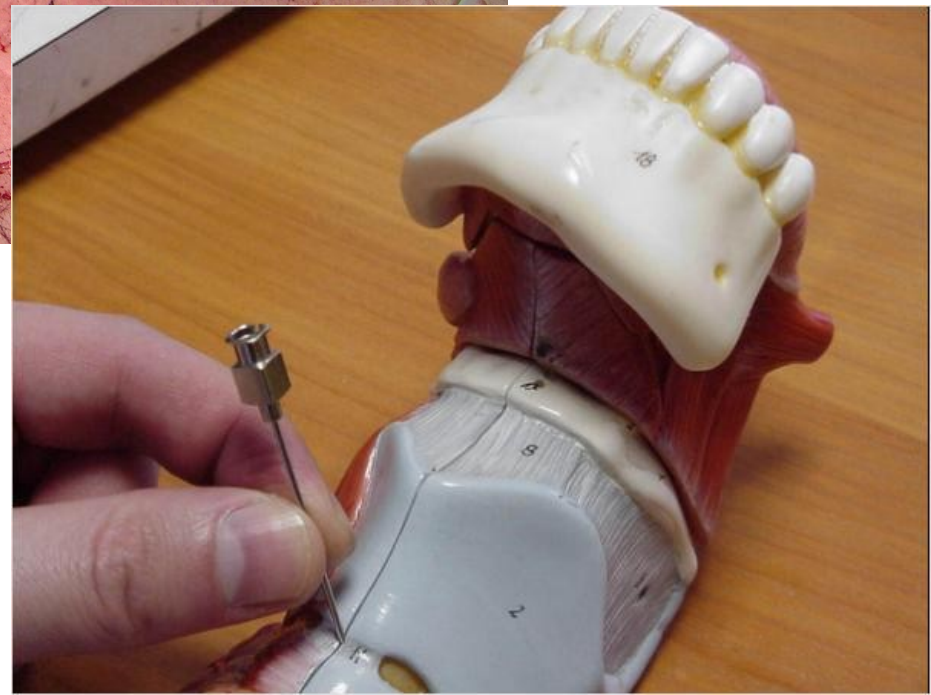
Posterior View



Coniotomy/
Cricothyrotomy

Inferior tracheotomy

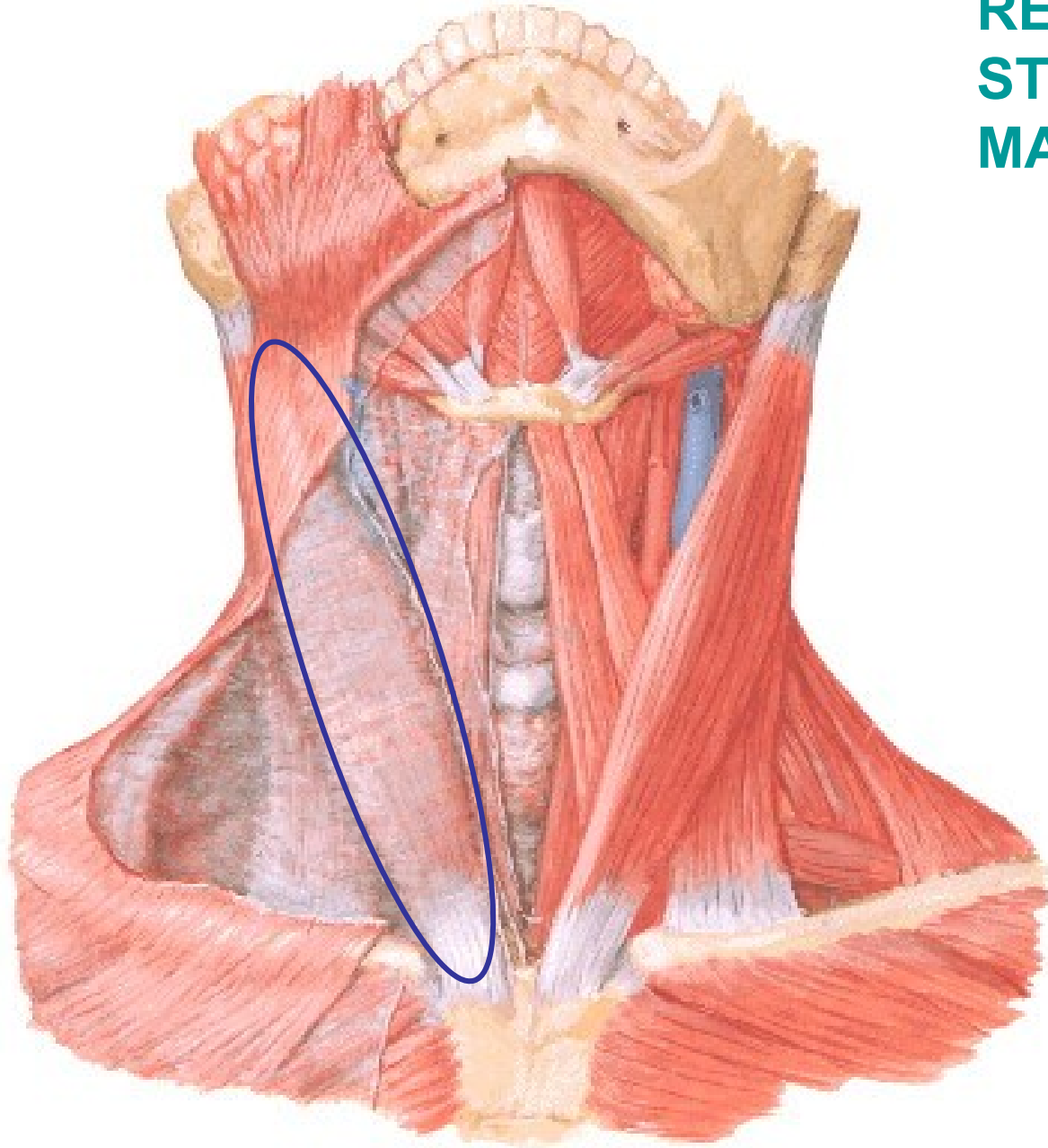




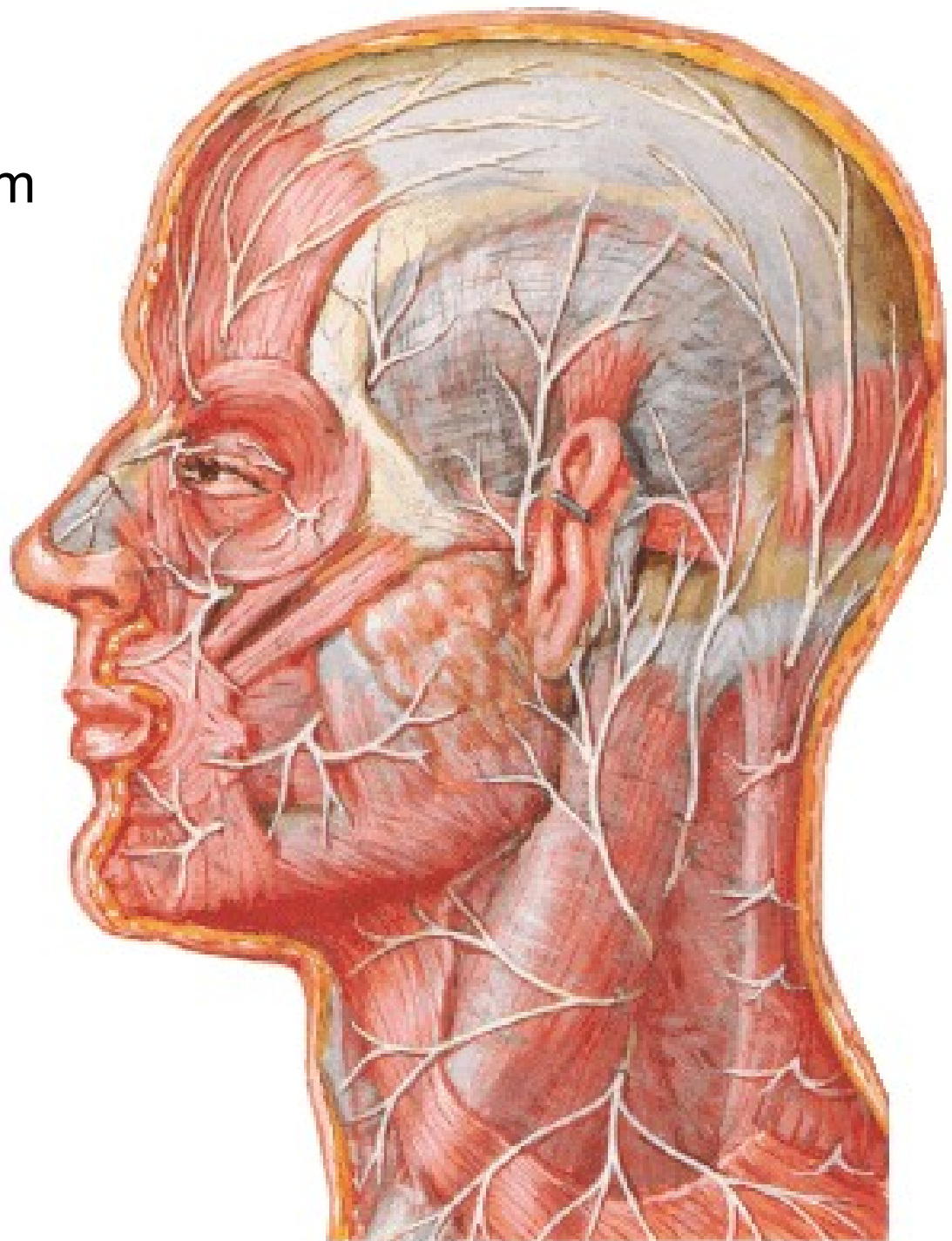


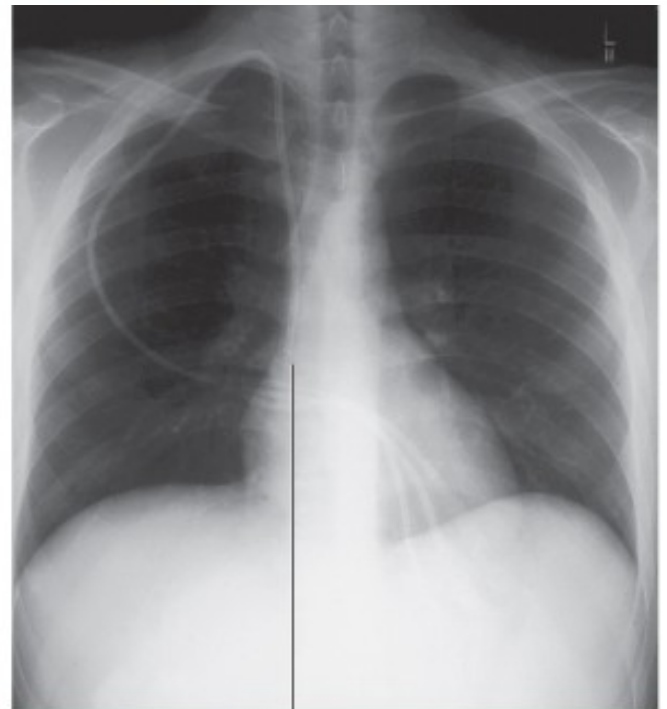
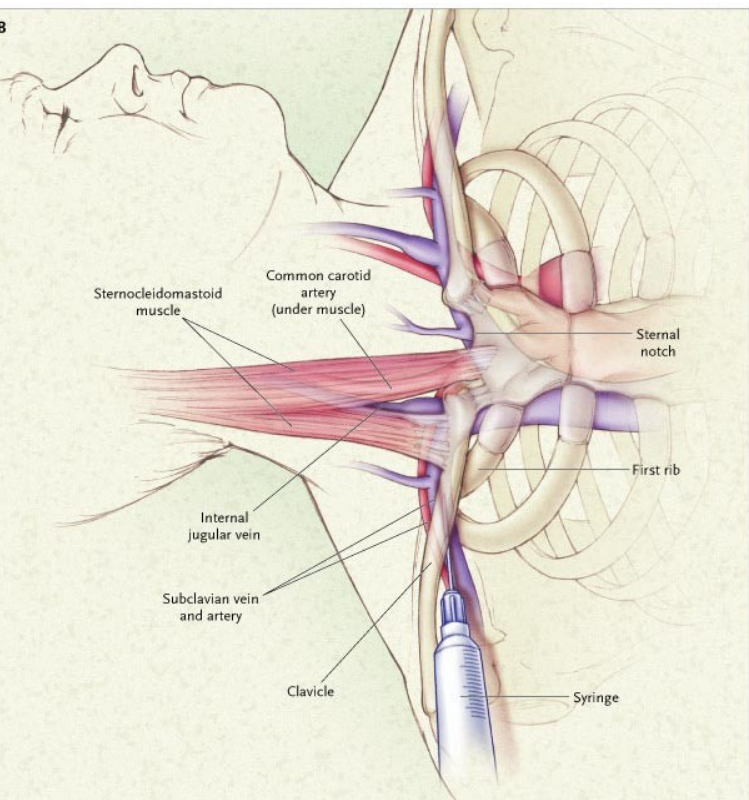
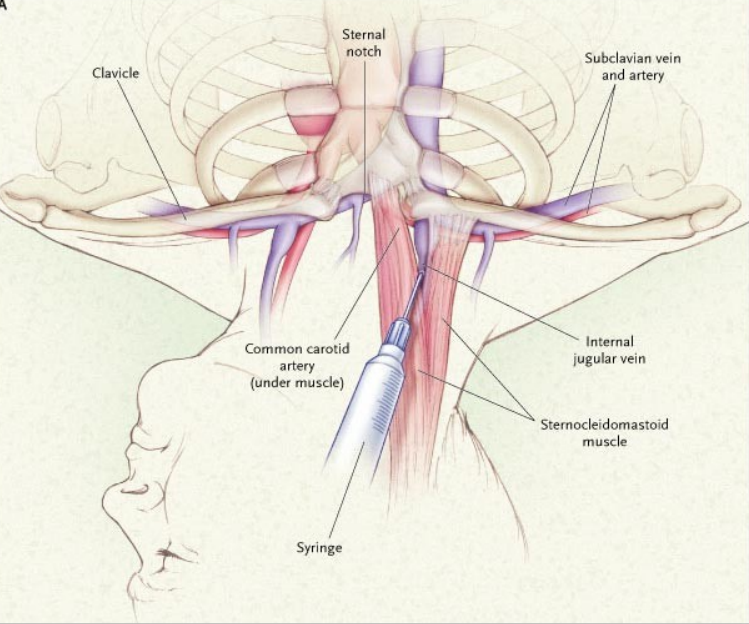
Postop Day 55

REGIO STERNOCLEIDO- MASTOIDEA



Punctum nervosum
(Erb's point)



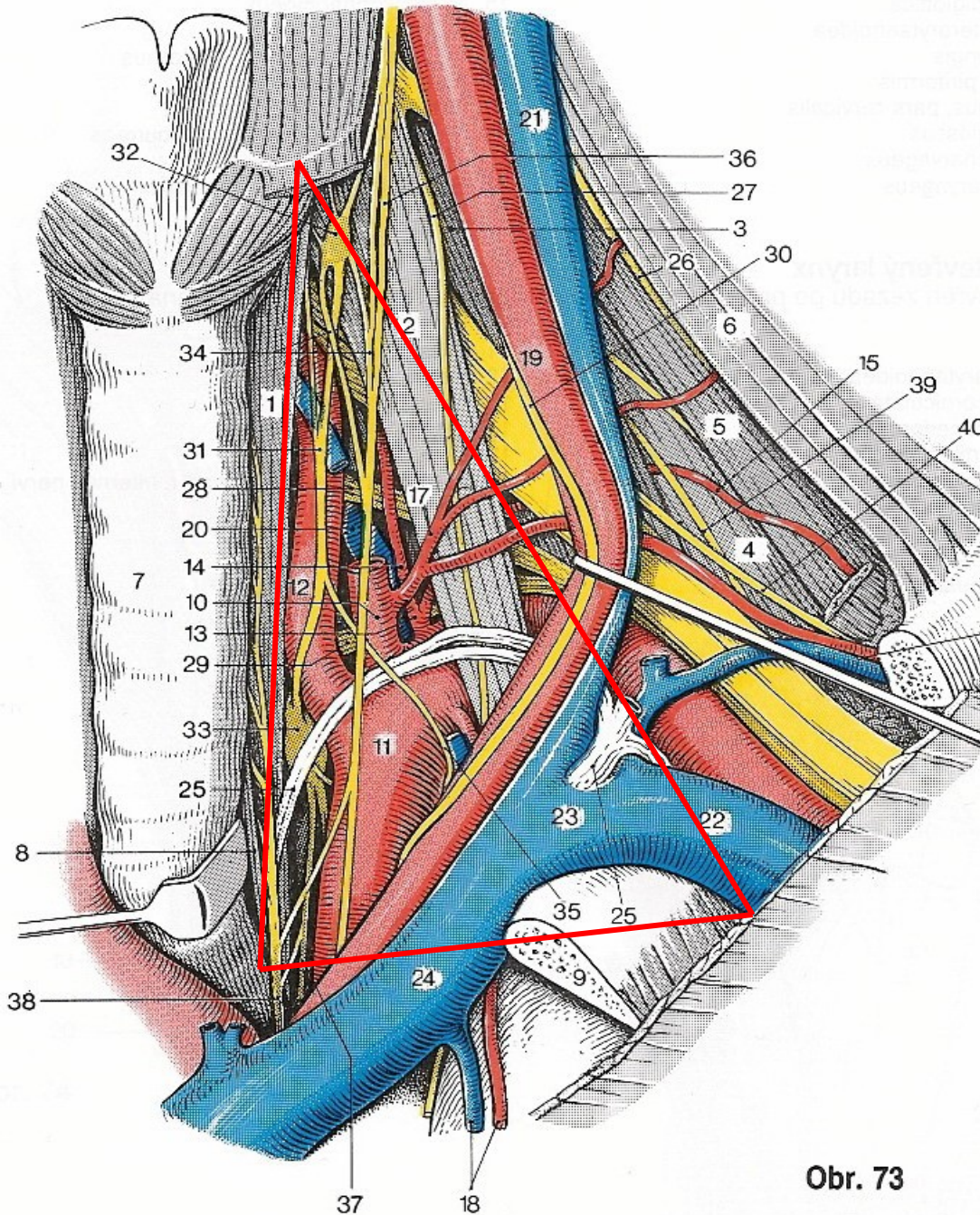


Tip in right atrium

TRIGONUM SCALENOVERTEBRALE S. SUBCLAVIAE

CONTENTS:

V. SUBCLAVIA
V. JUGULARIS INT.
V. JUGULARIS EXT.
DUCTUS THORACICUS
(TR. LYMPH. DEXTER)
A. CAROTIS COMM.
A. SUBCLAVIA
TR. SYMPATICUS
ANSA SUBCLAVIA
N. VAGUS
NN.+RR. CARDIACI
N. PHRENICUS



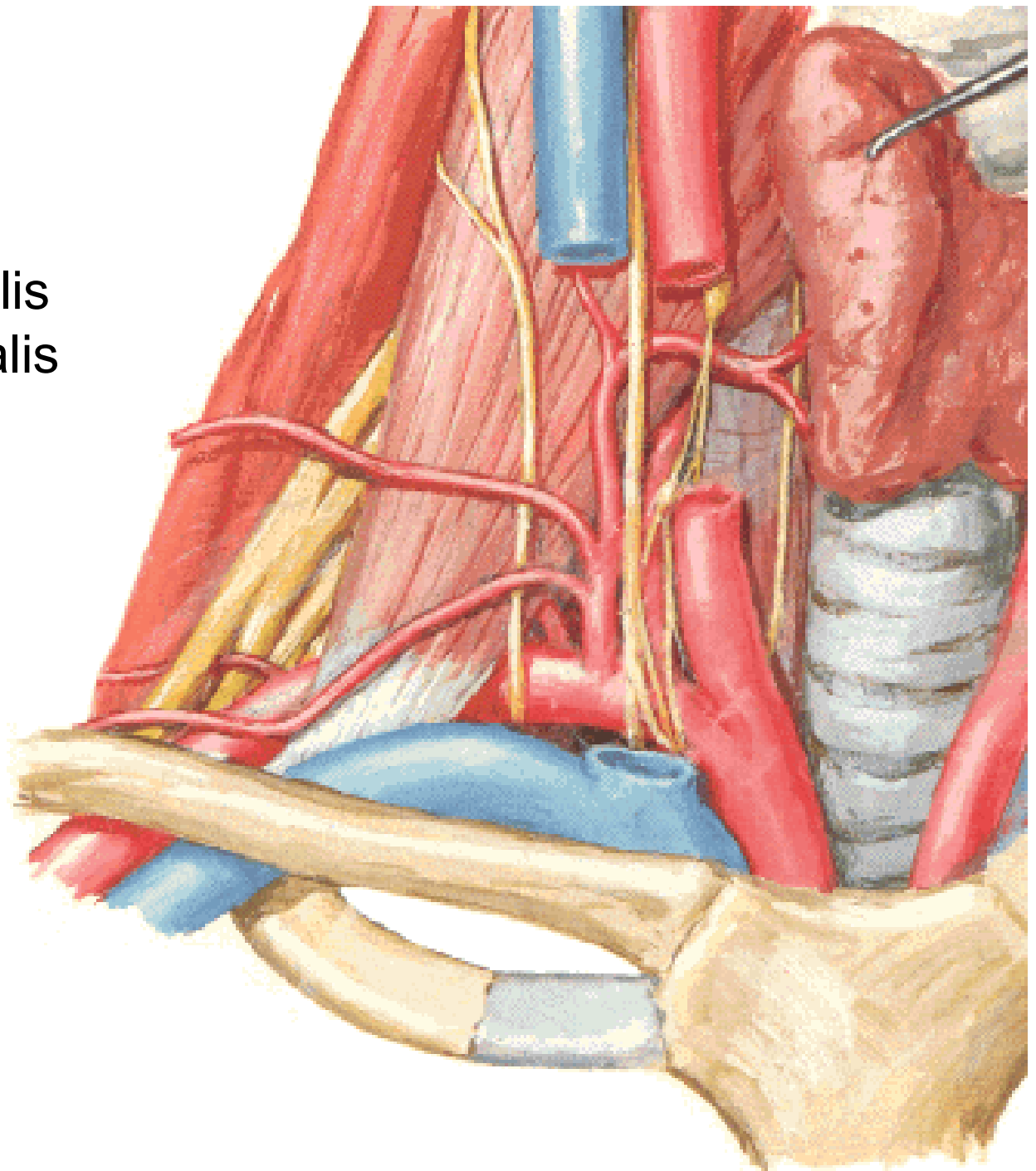
A. SUBCLAVIA:

A. vertebralis

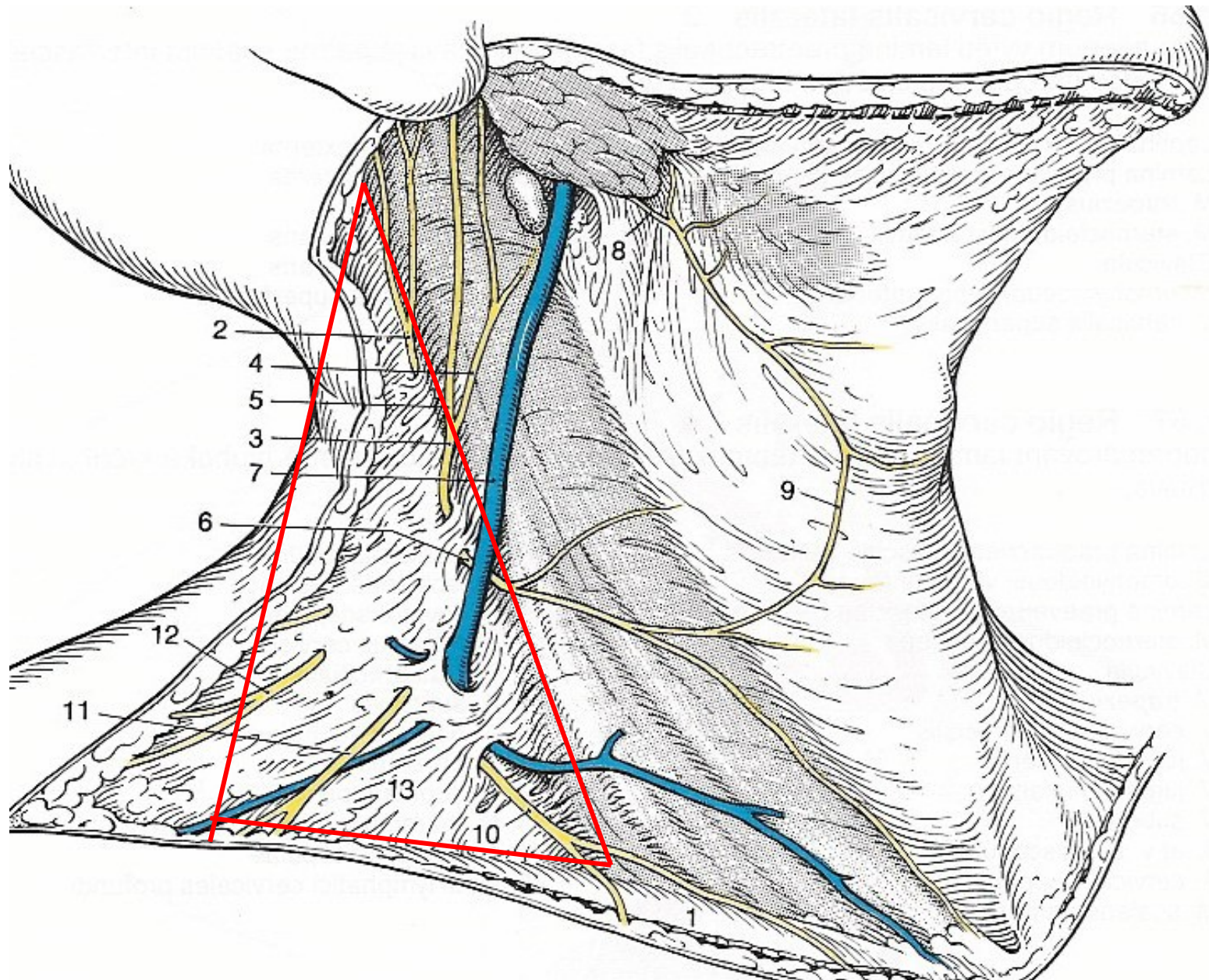
Tr. thyrocervicalis

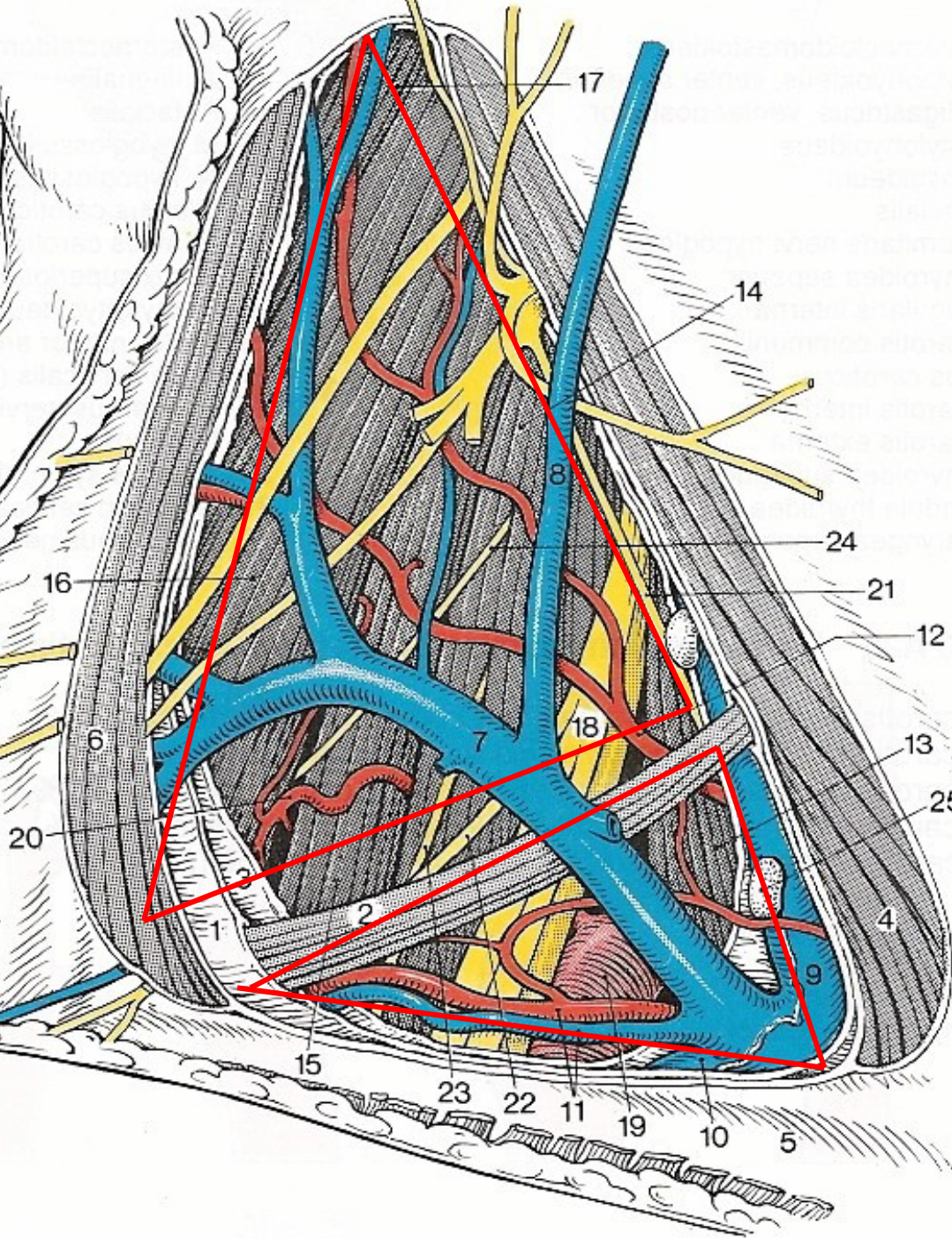
Tr. costocervicalis

A. thoracica int.



TRIGONUM COLLI LATERALE





TRIGONUM OMOTRAPEZIUM

A. CERVICALIS ASC.
 A. CERVICALIS SPF.
 CN XI
 PLEXUS CERVICALIS
 V. JUGULARIS EXT.
 A. TRANSVERSA COLLI

TRIGONUM OMOCLAVICULARE

A. SUBCLAVIA
 V. SUBCLAVIA
 A. SUPRASCAPULARIS
 PLEXUS BRACHIALIS
 NL. SUPRACLAVICULARES

REGIONAL ANATOMY OF THE THORAX

- **Regions**
- **Lines**
- **Thoracic wall**

Regio clavicularis

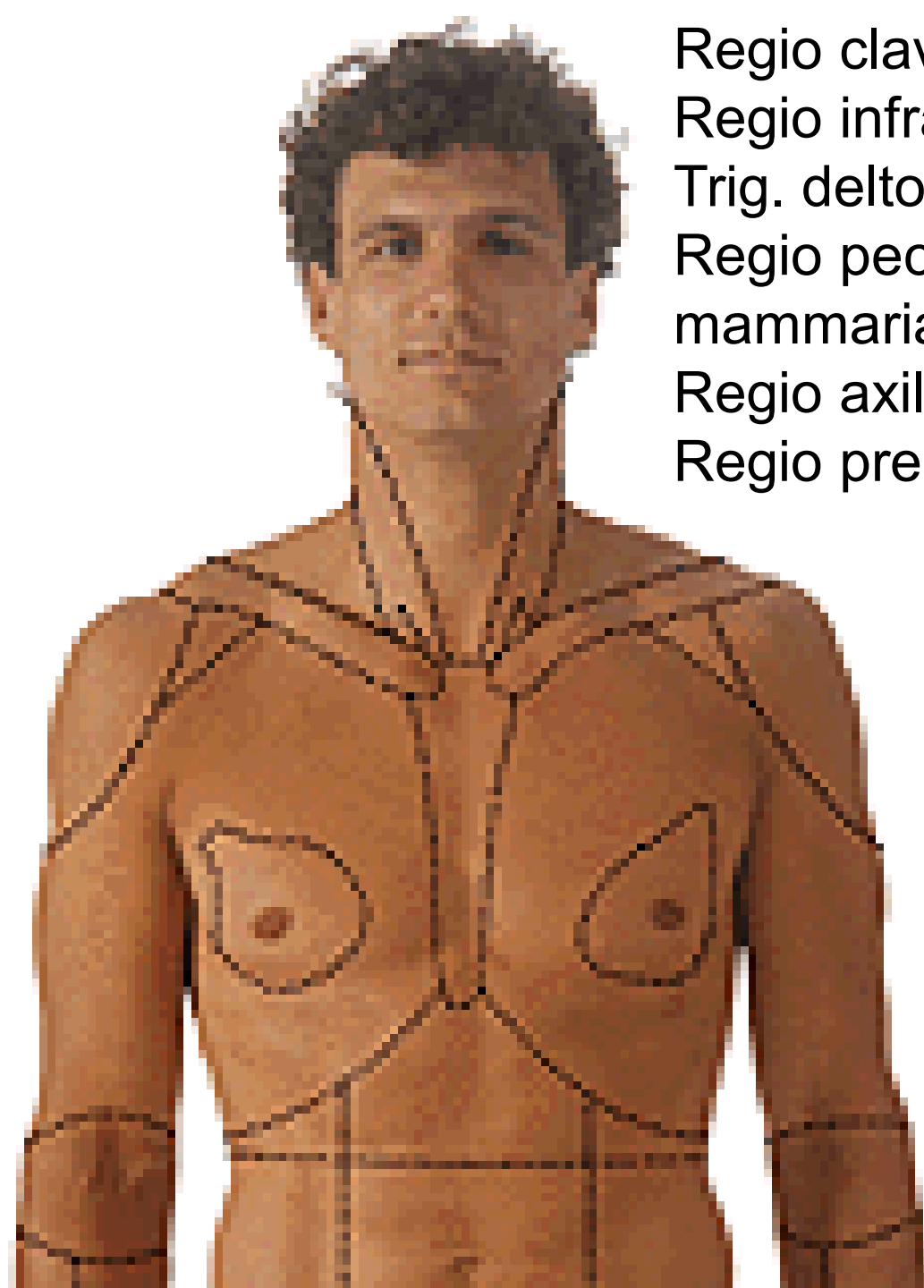
Regio infraclavicularis

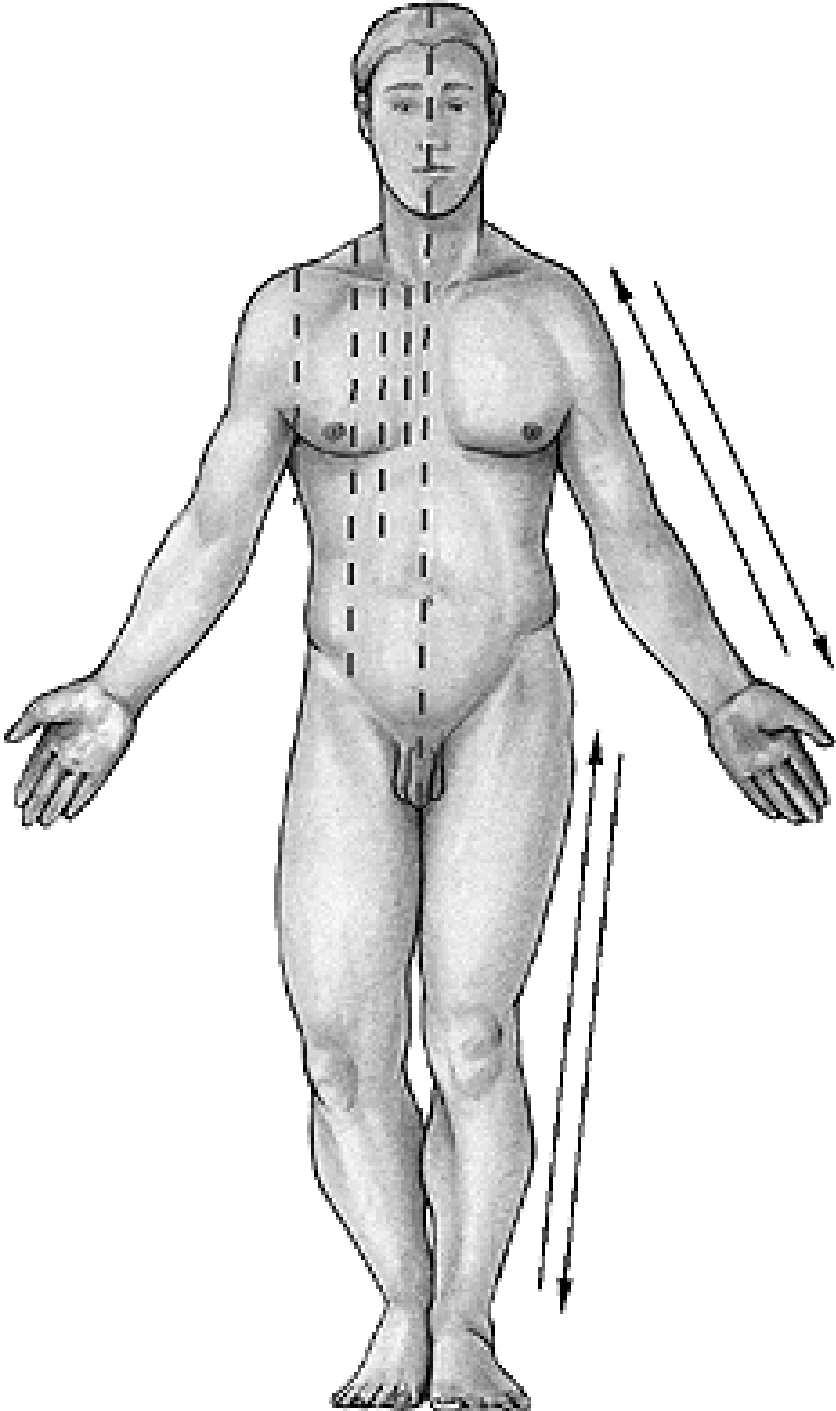
Trig. delto/clavipectorale

Regio pectoralis (pectoralis lateralis,
mammaria, inframammaria)

Regio axillaris

Regio presternalis





Linea mediana anterior

Linea sternalis

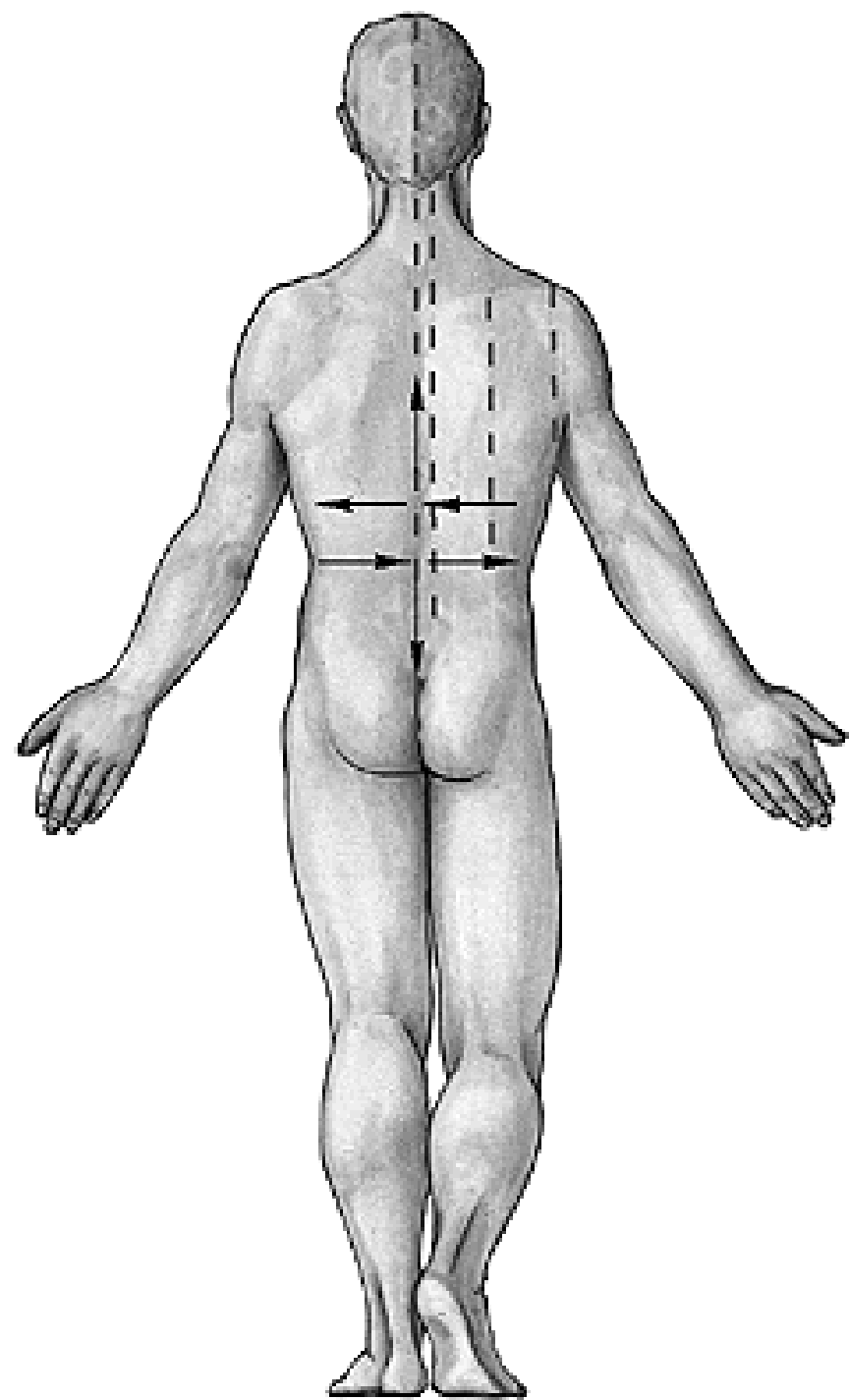
Linea parasternalis

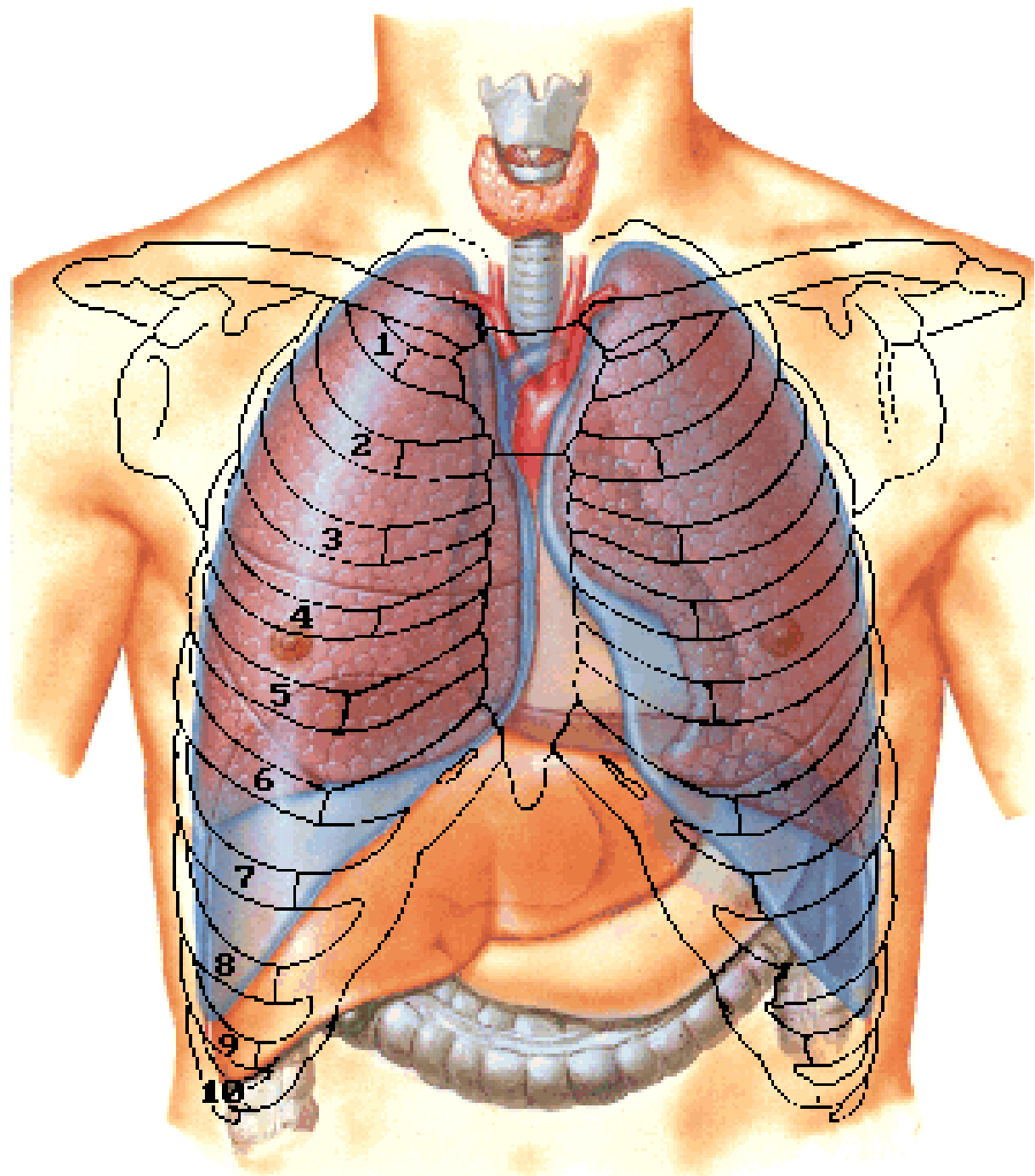
Linea medioclavicularis

Linea axillaris ant.

Linea axillaris media

Linea axillaris post.
Linea scapularis
Linea paravertebralis
Linea mediana post.



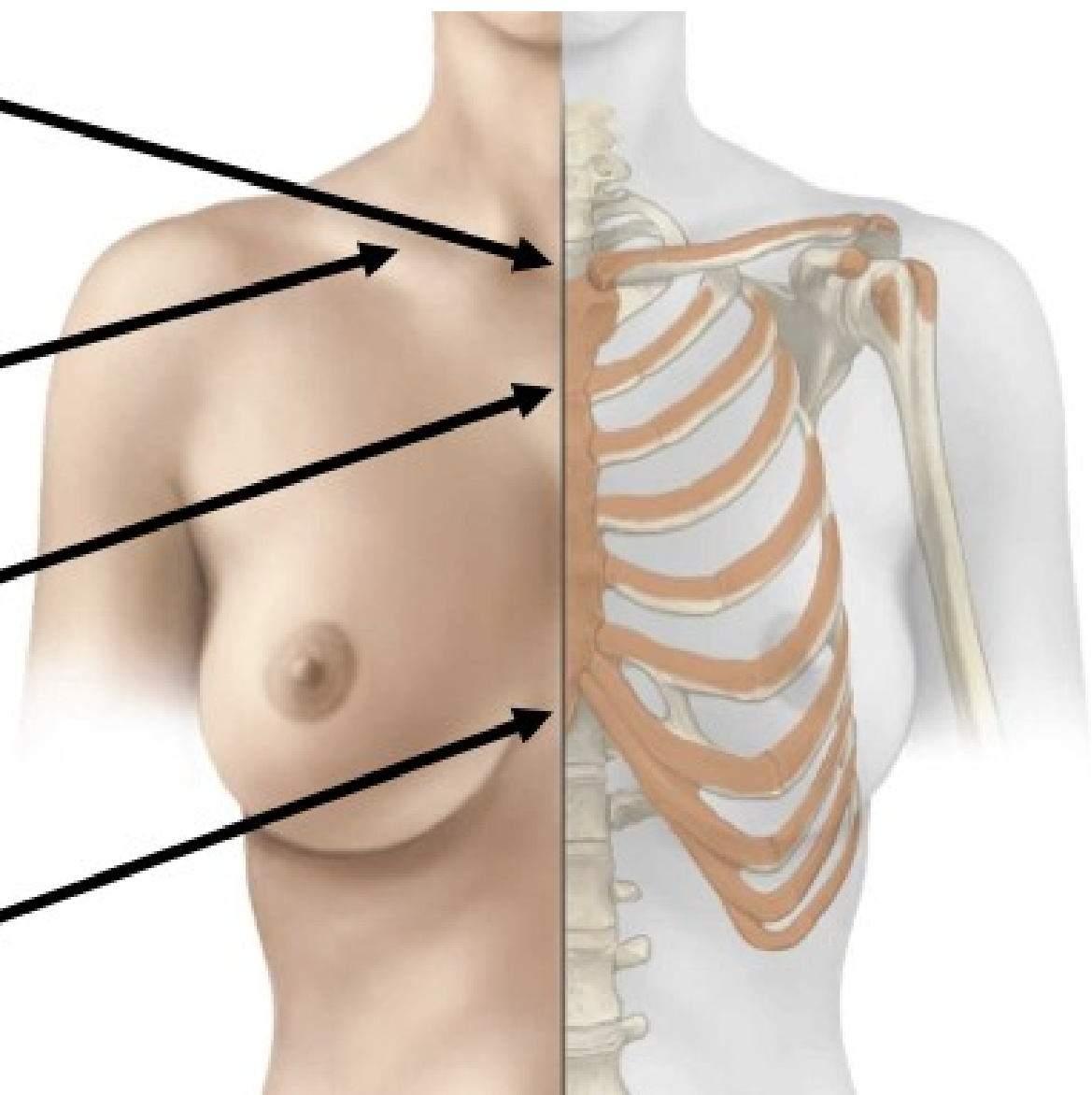


Jugular Notch
(T2 Vertebral Level)

Clavicle

Sternal Angle
(T4 Vertebral Level)

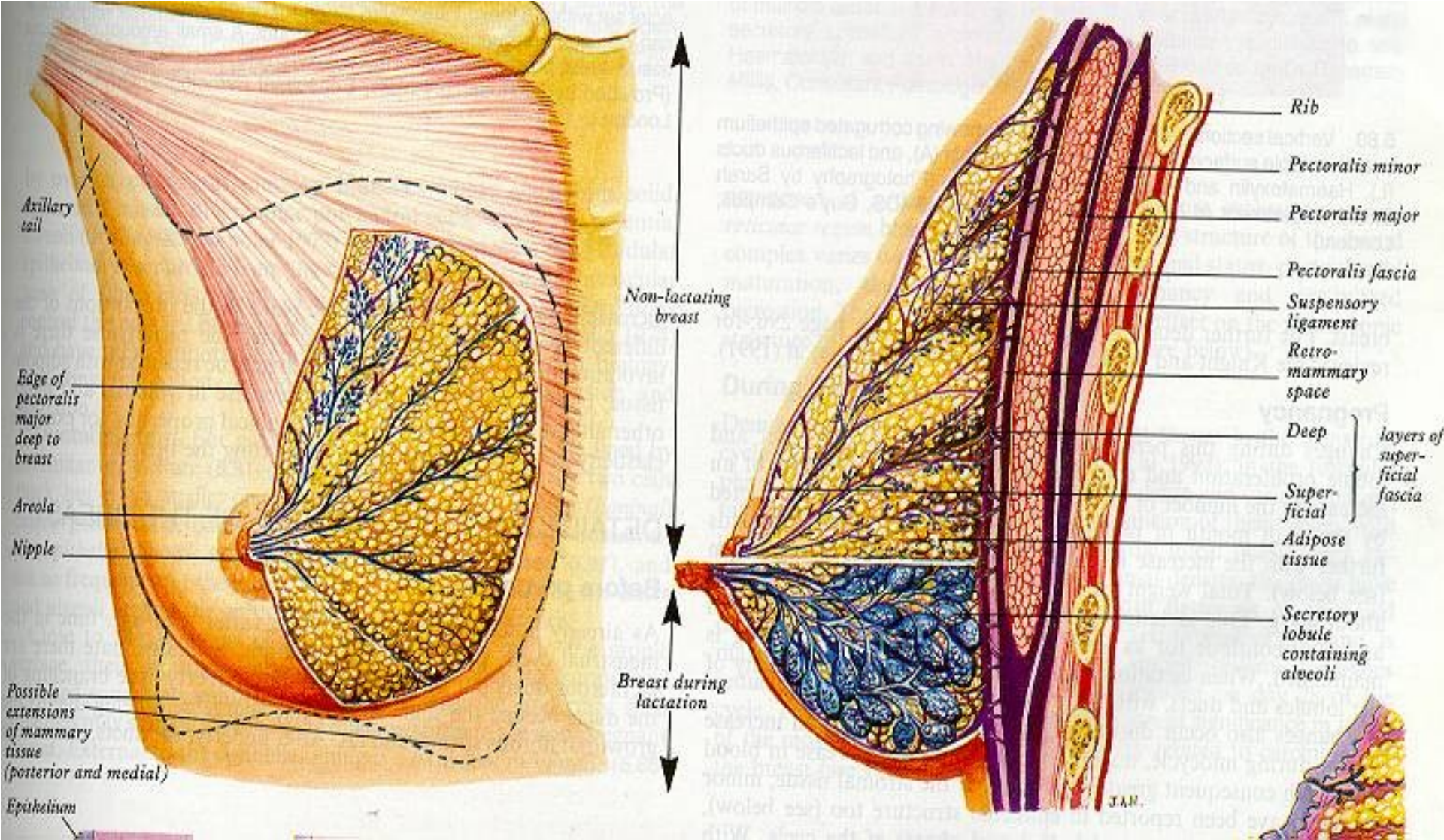
Xiphoid Process
(T9 Vertebral Level)



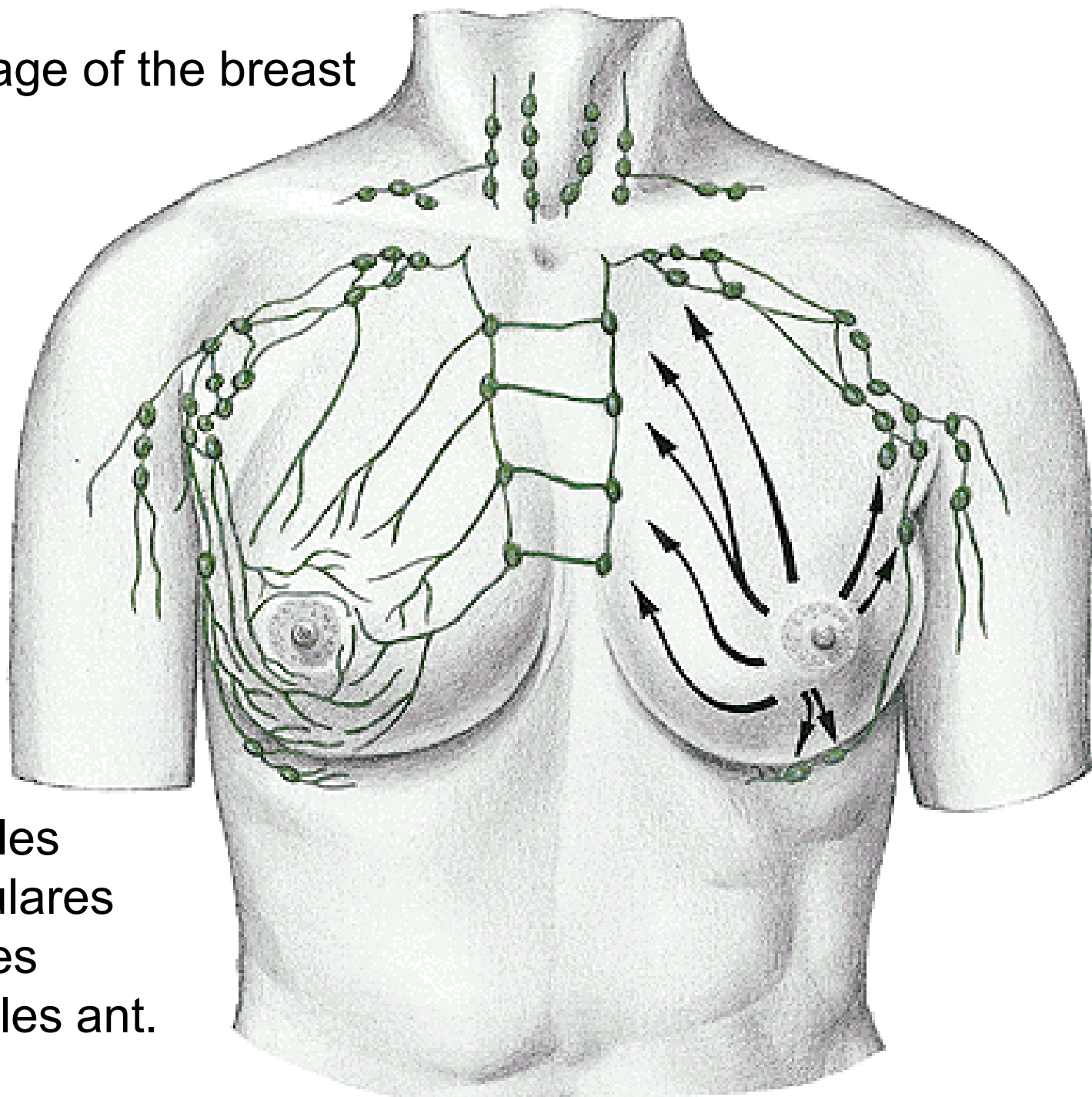
Mamma
Papilla mammae
Areola mammae



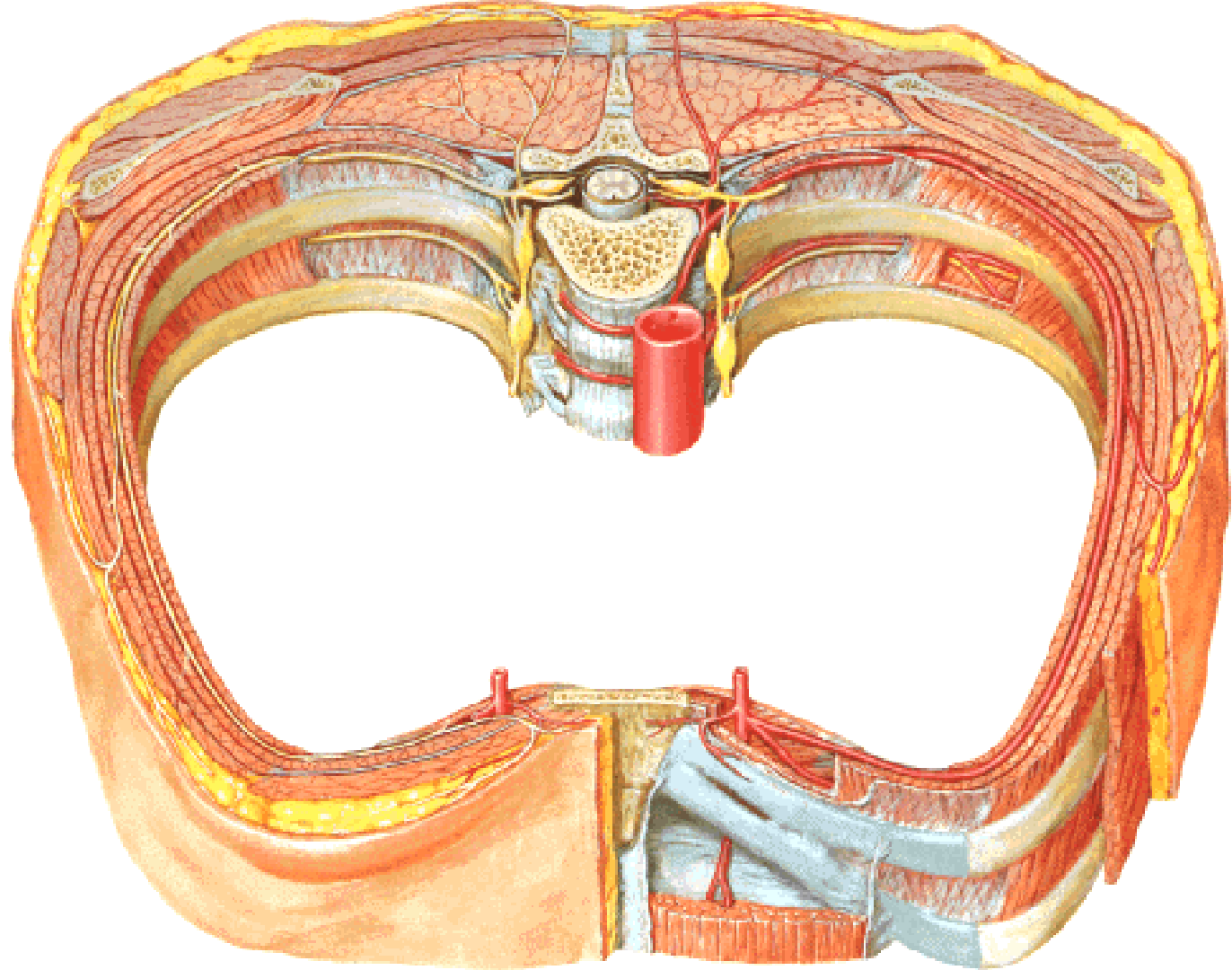
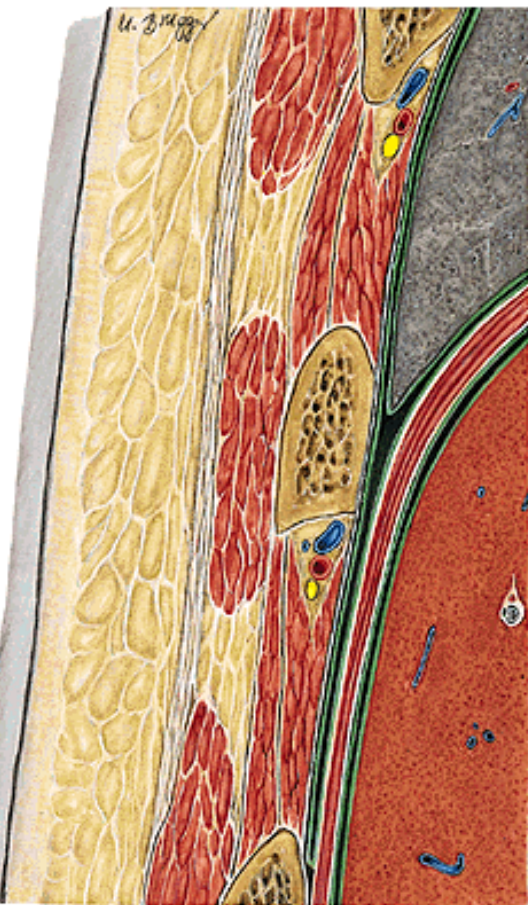
Glandula mammaria

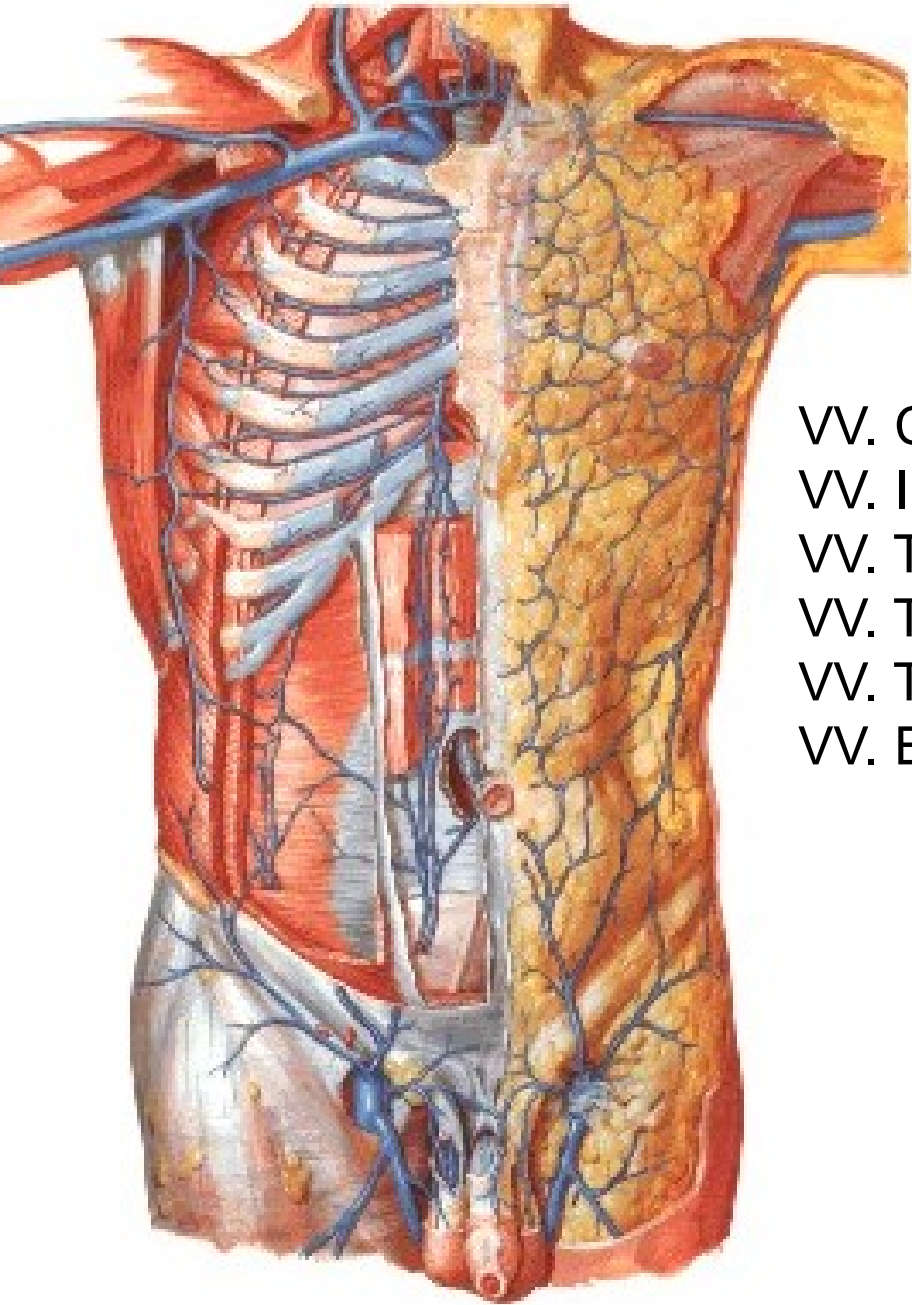


Lymphatic drainage of the breast



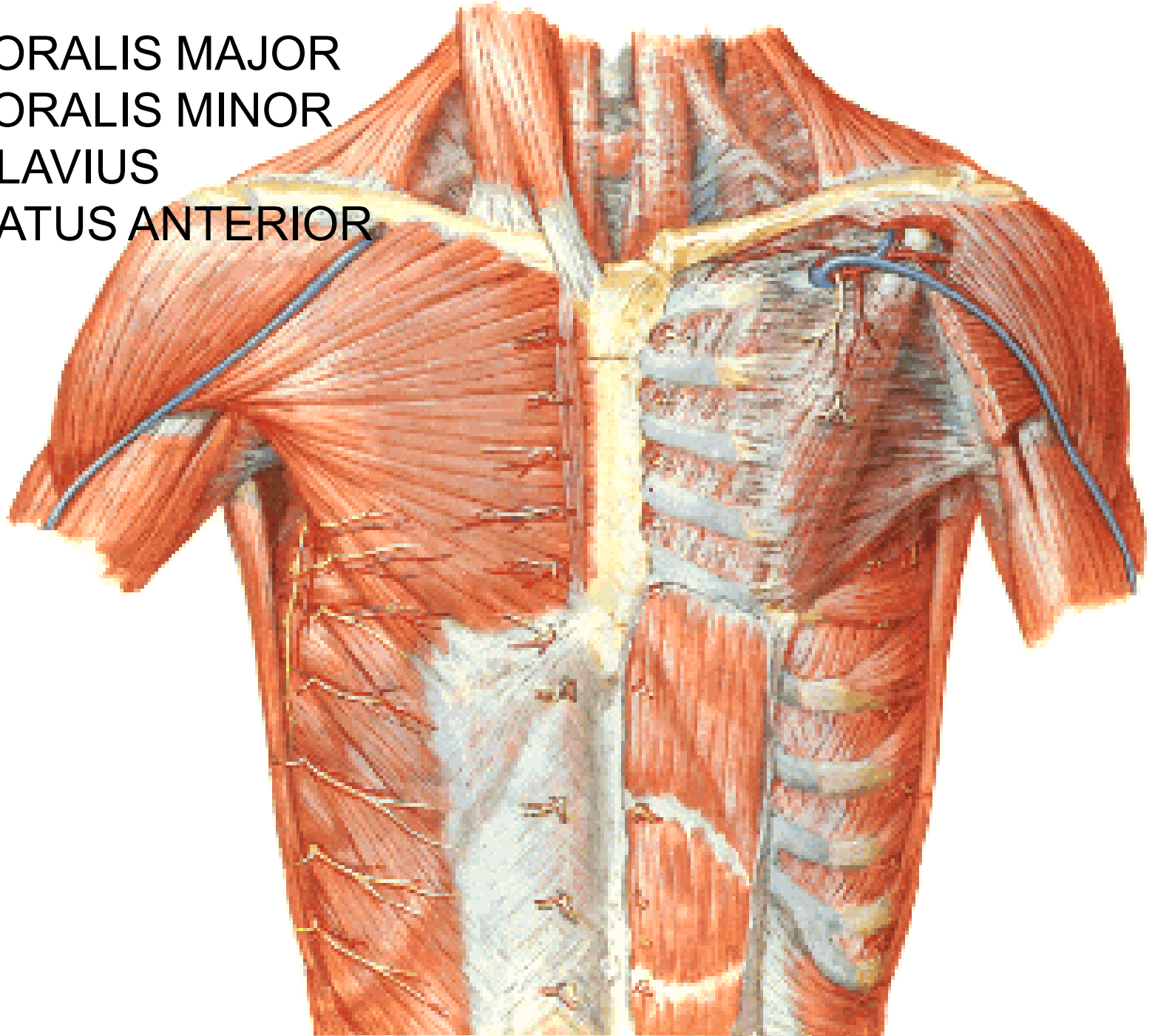
- nll. axillares
- nll. parasternales
- nll. infraclaviculares
- nll. intercostales
- nll. mediastinales ant.



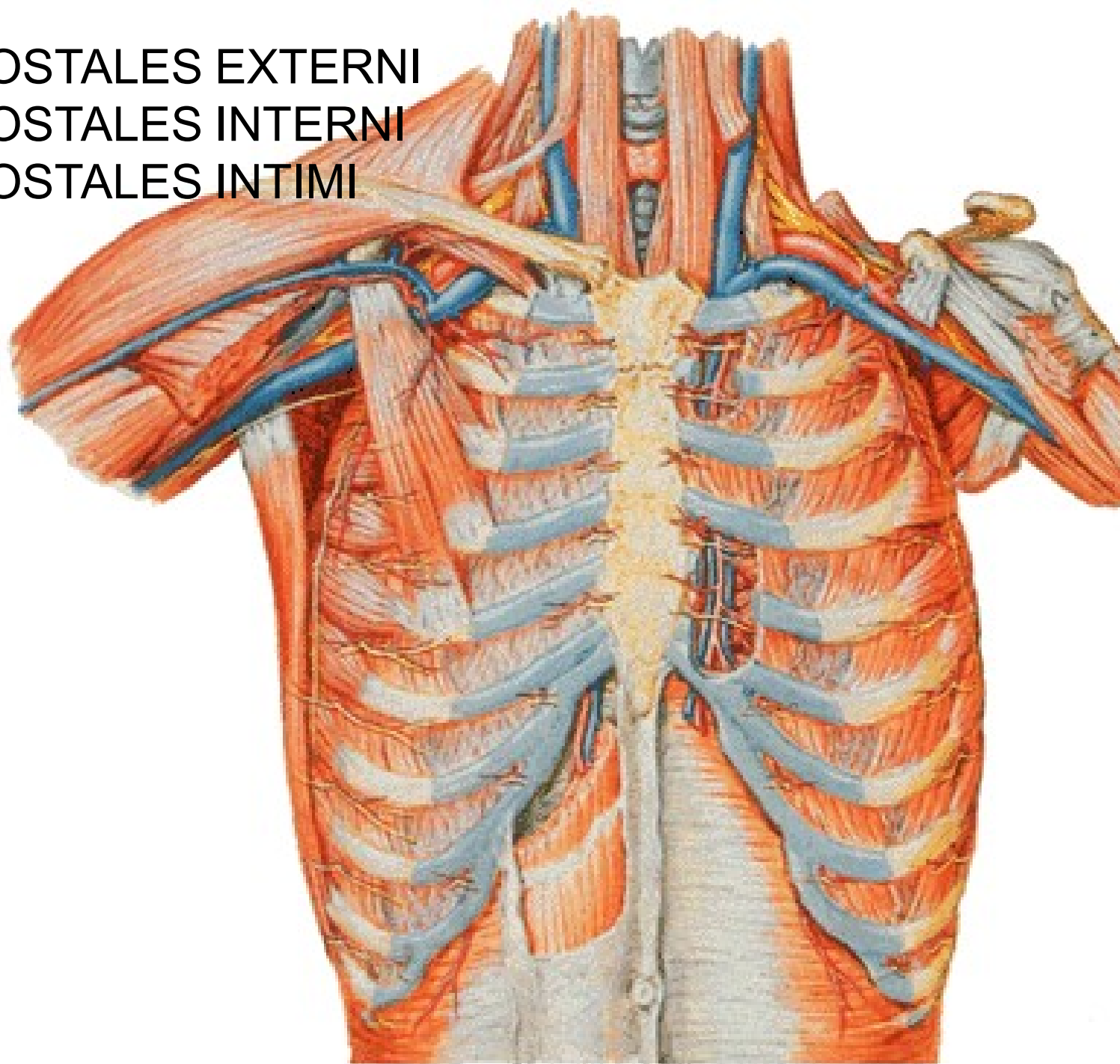


VV. CERVICALES SUPERFICIALES
VV. INTERCOSTALES
VV. THORACOEPIGASTRICAE
VV. THORACICAE LATERALES
VV. THORACICAE INTERNAE
VV. EPIGASTRICAE SUPERIORES

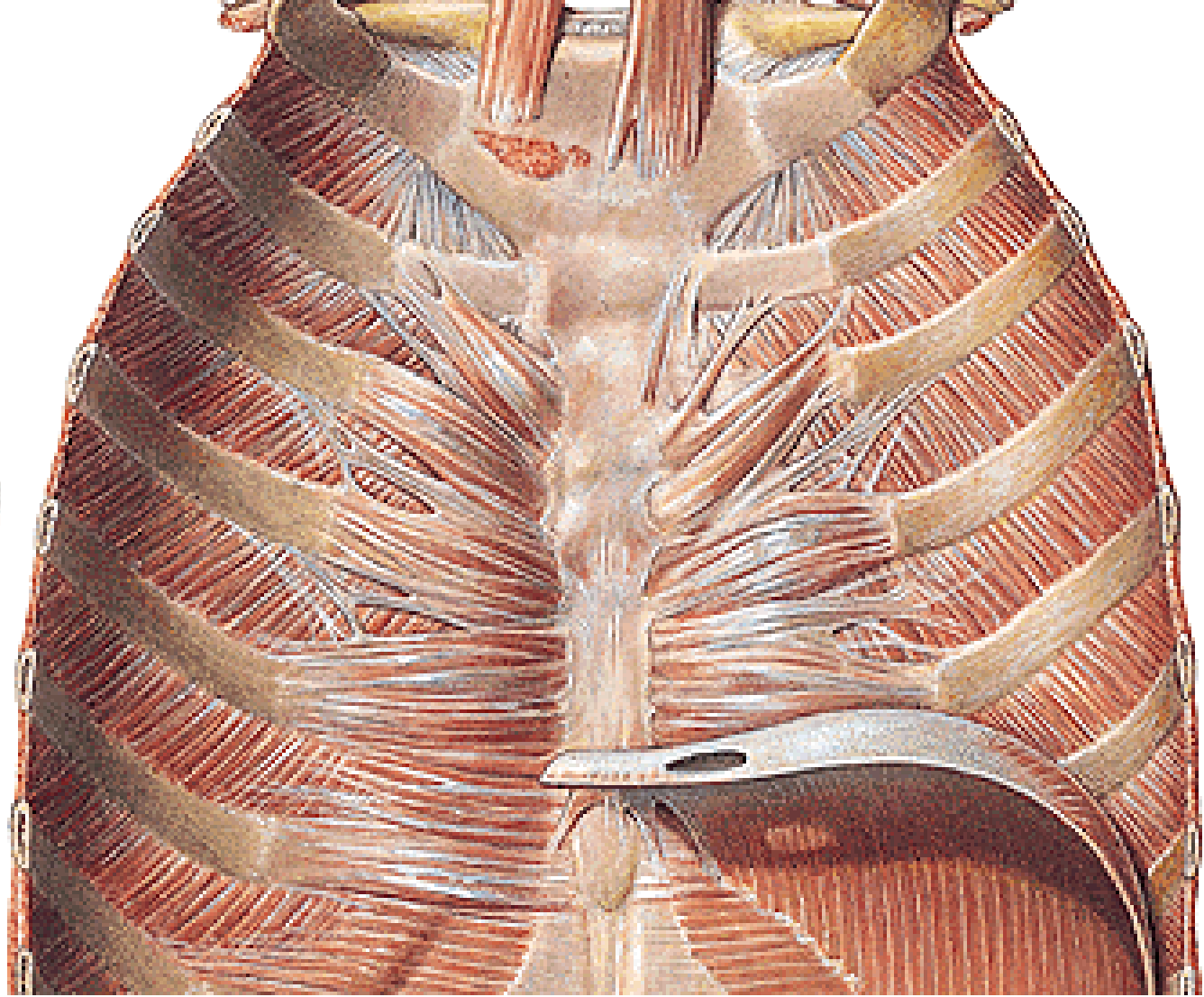
M. PECTORALIS MAJOR
M. PECTORALIS MINOR
M. SUBCLAVIUS
M. SERRATUS ANTERIOR



MM. INTERCOSTALES EXTERNI
MM. INTERCOSTALES INTERNI
MM. INTERCOSTALES INTIMI

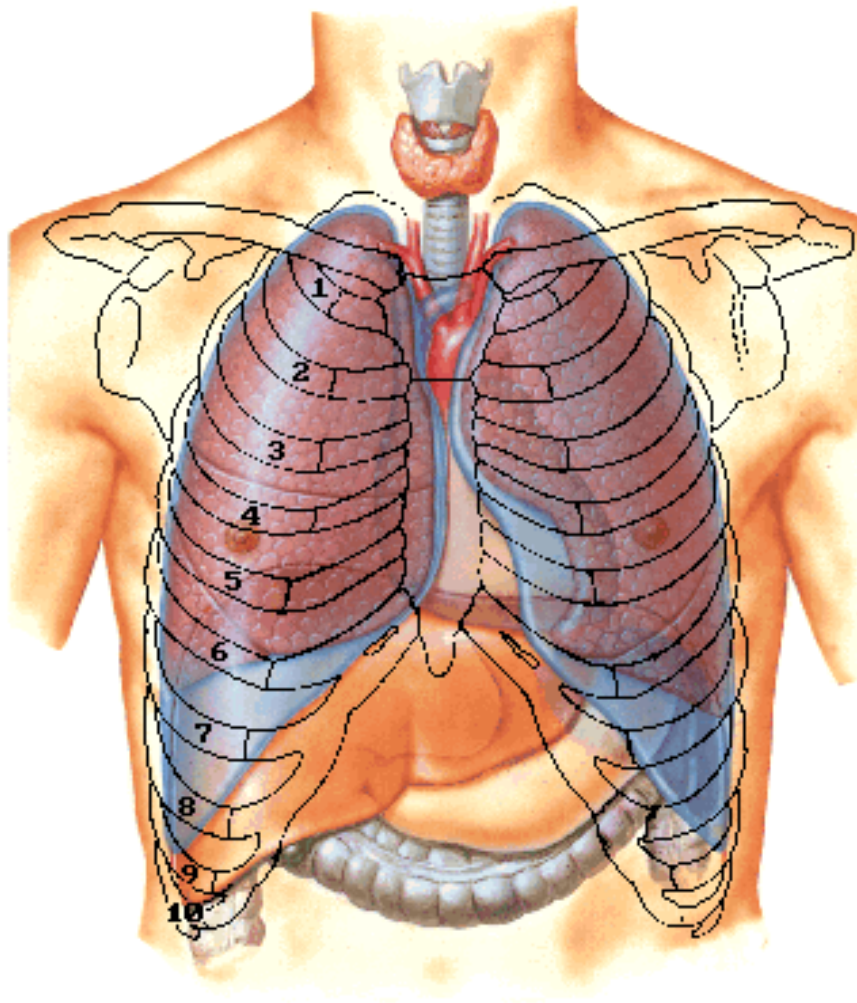


VAN



M. TRANSVERSUS THORACIS

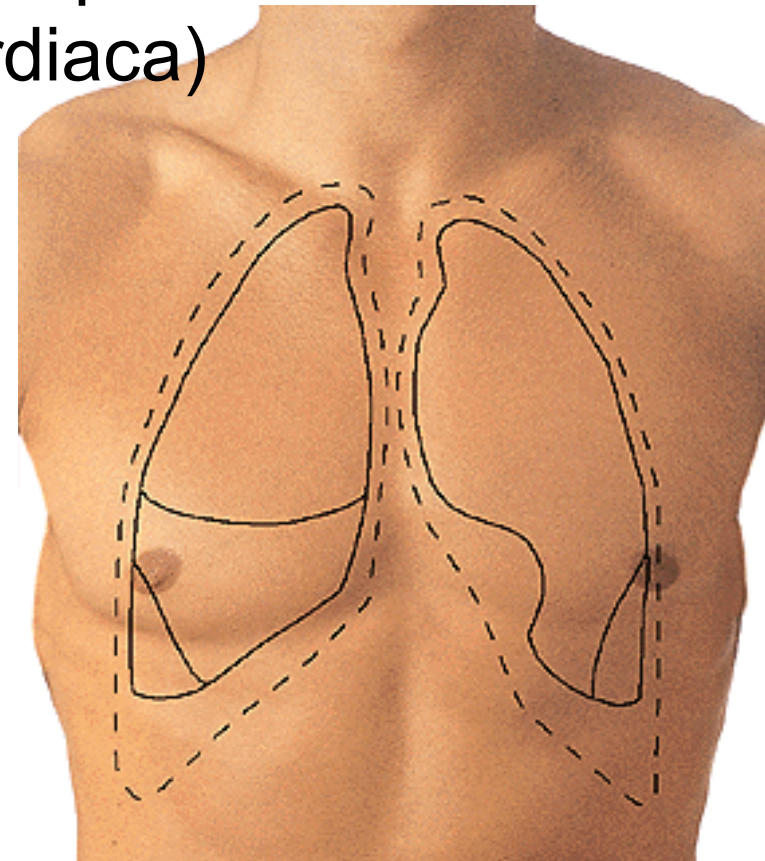
**PROJECTION OF ORGANS
ONTO THE THORACIC WALL**

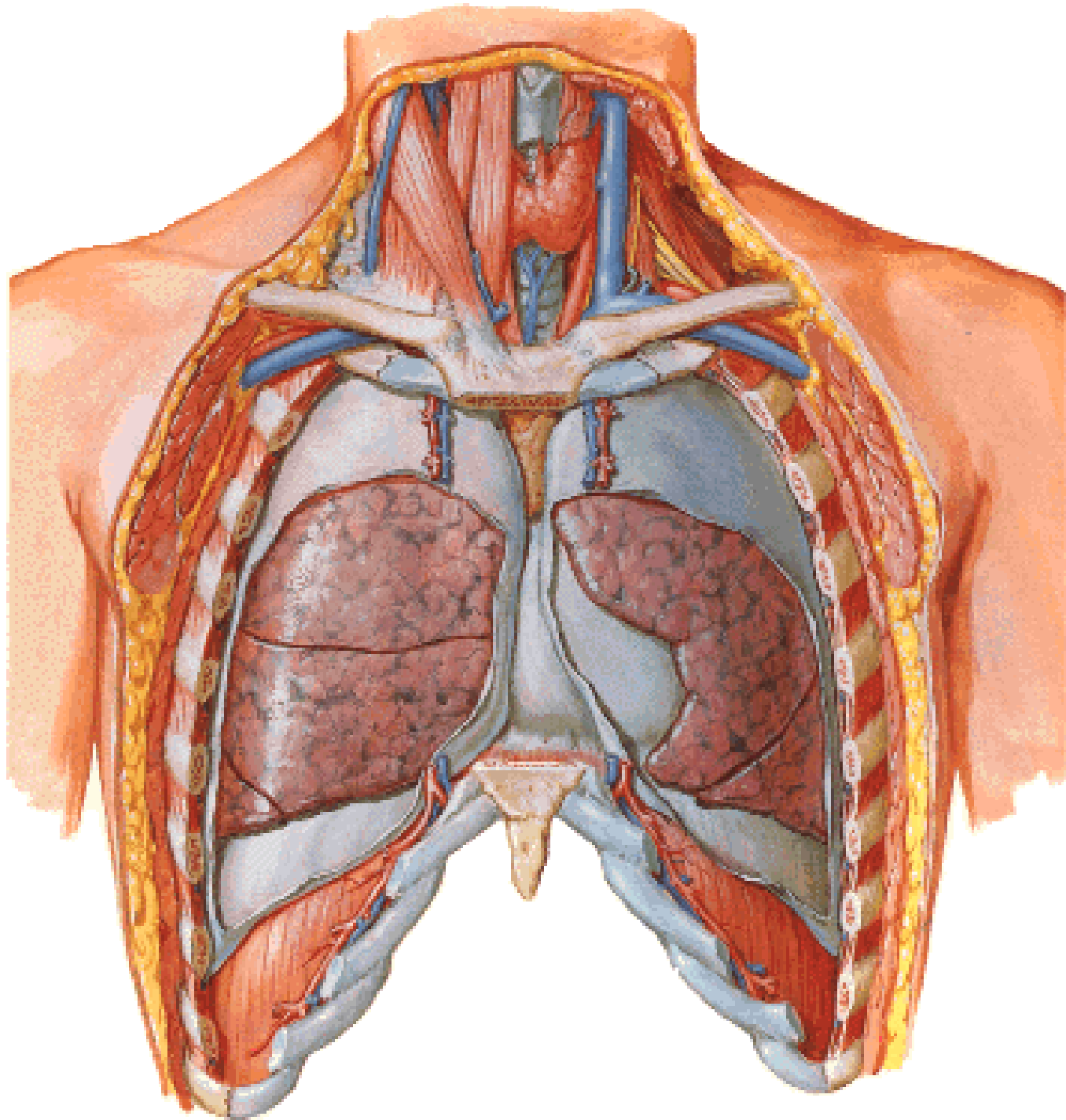


Cupula pleurae
= Apex pulmonis

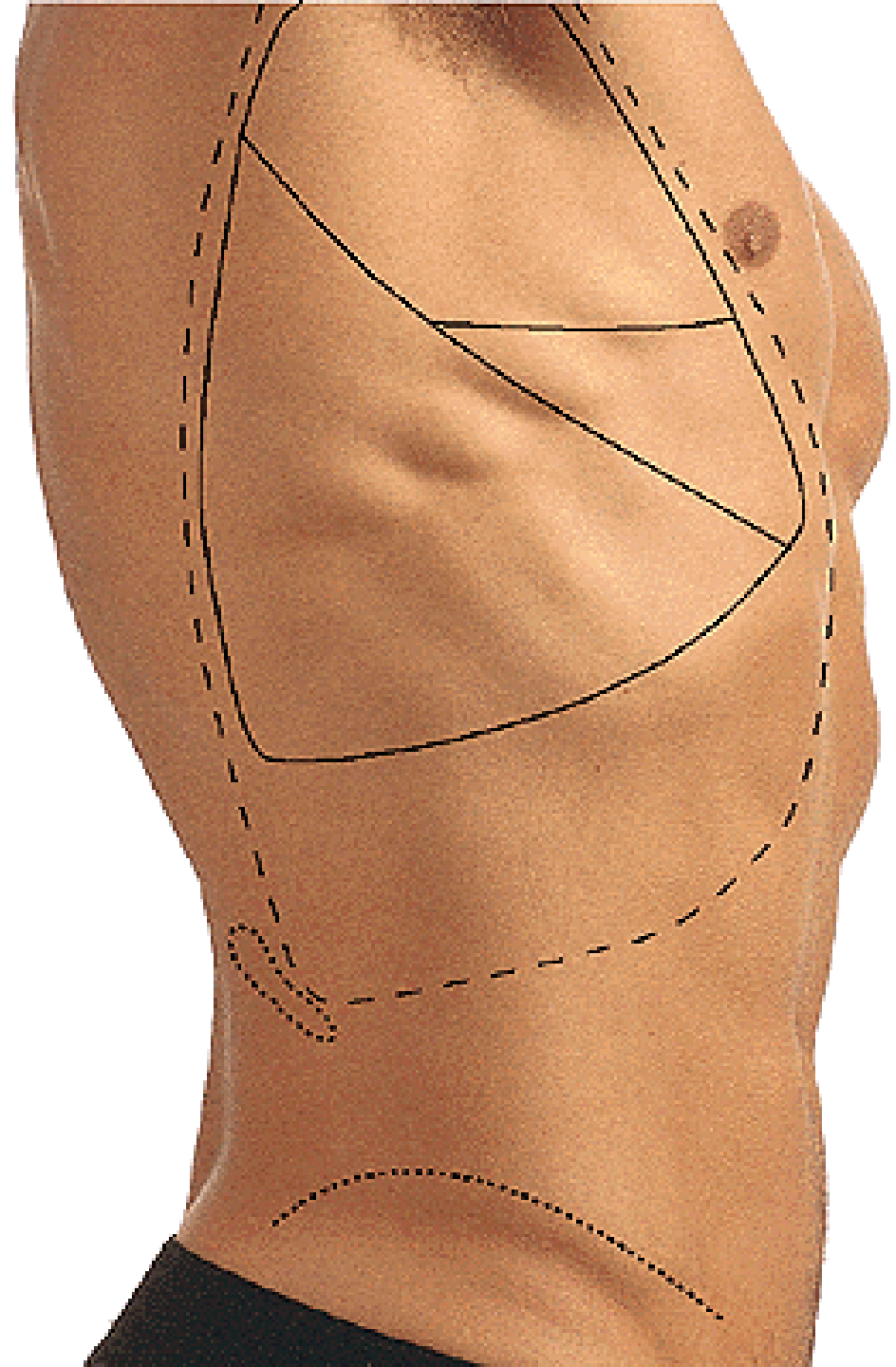
Area interpleuralis sup.
(thymica)

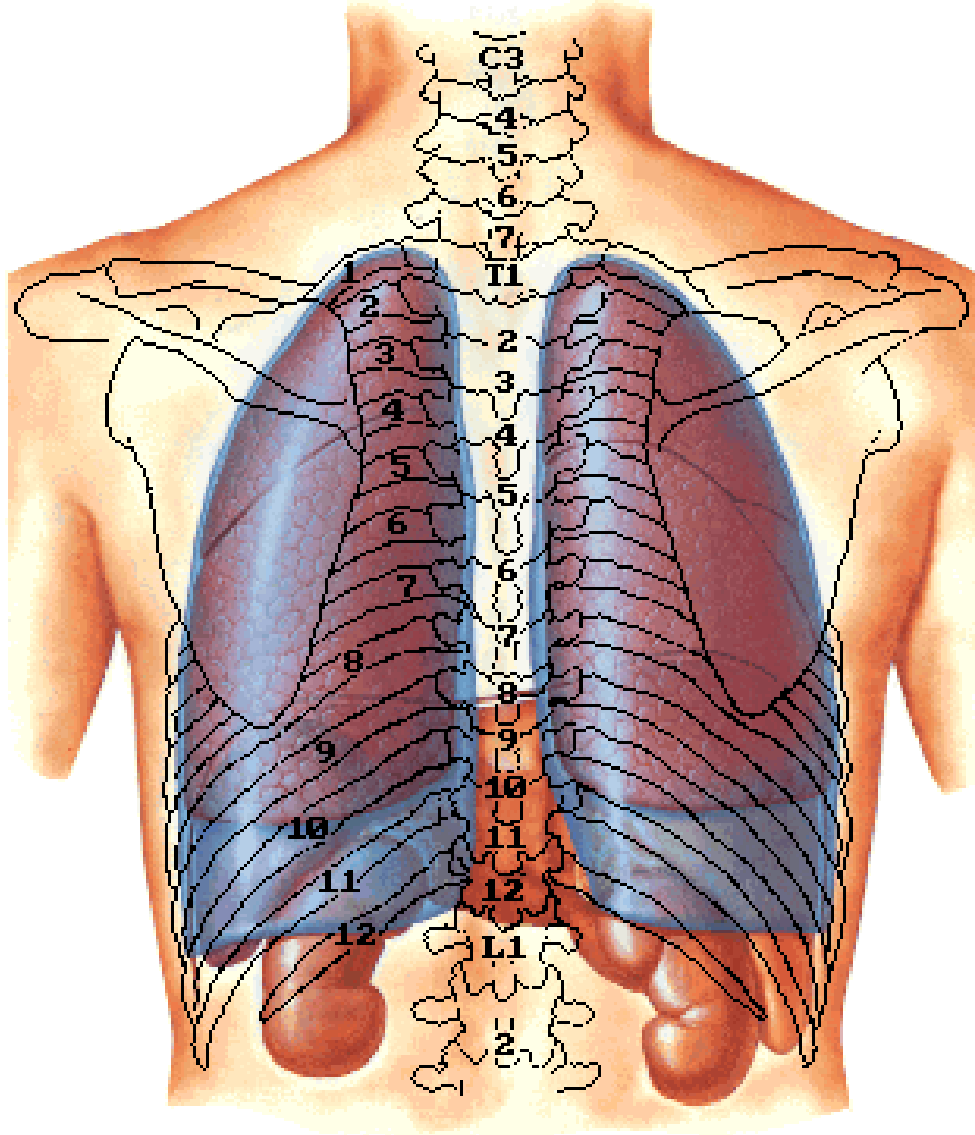
Area interpleuralis inf.
(pericardiaca)

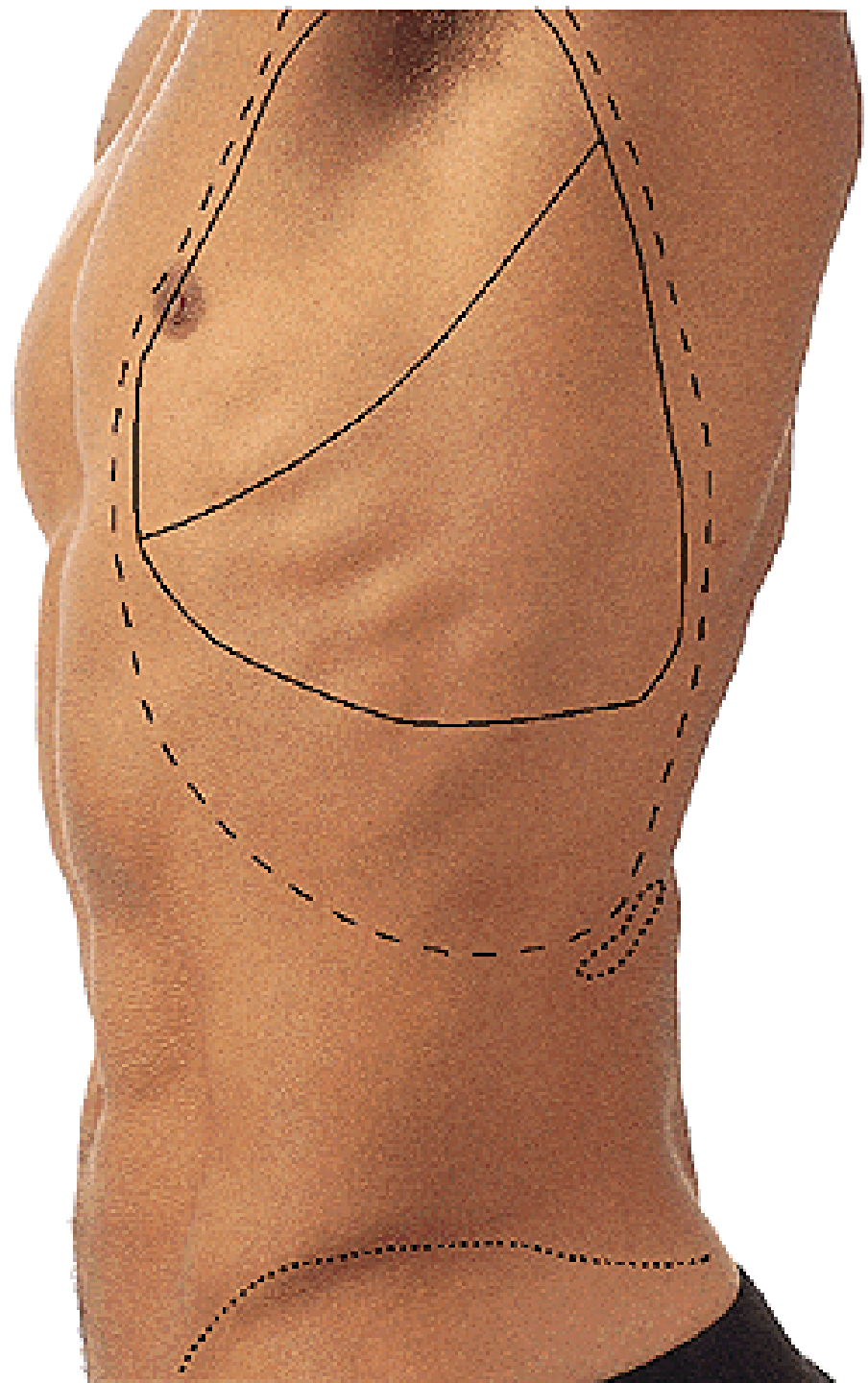




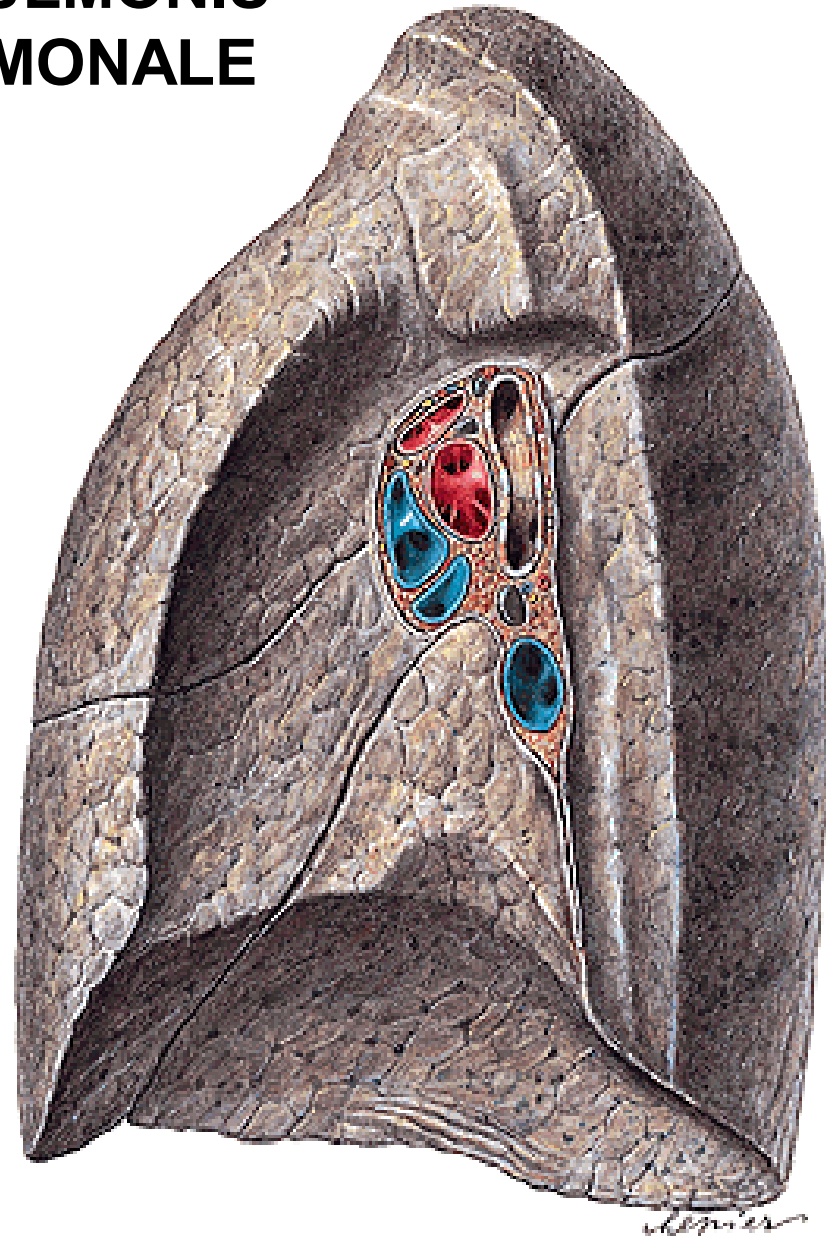
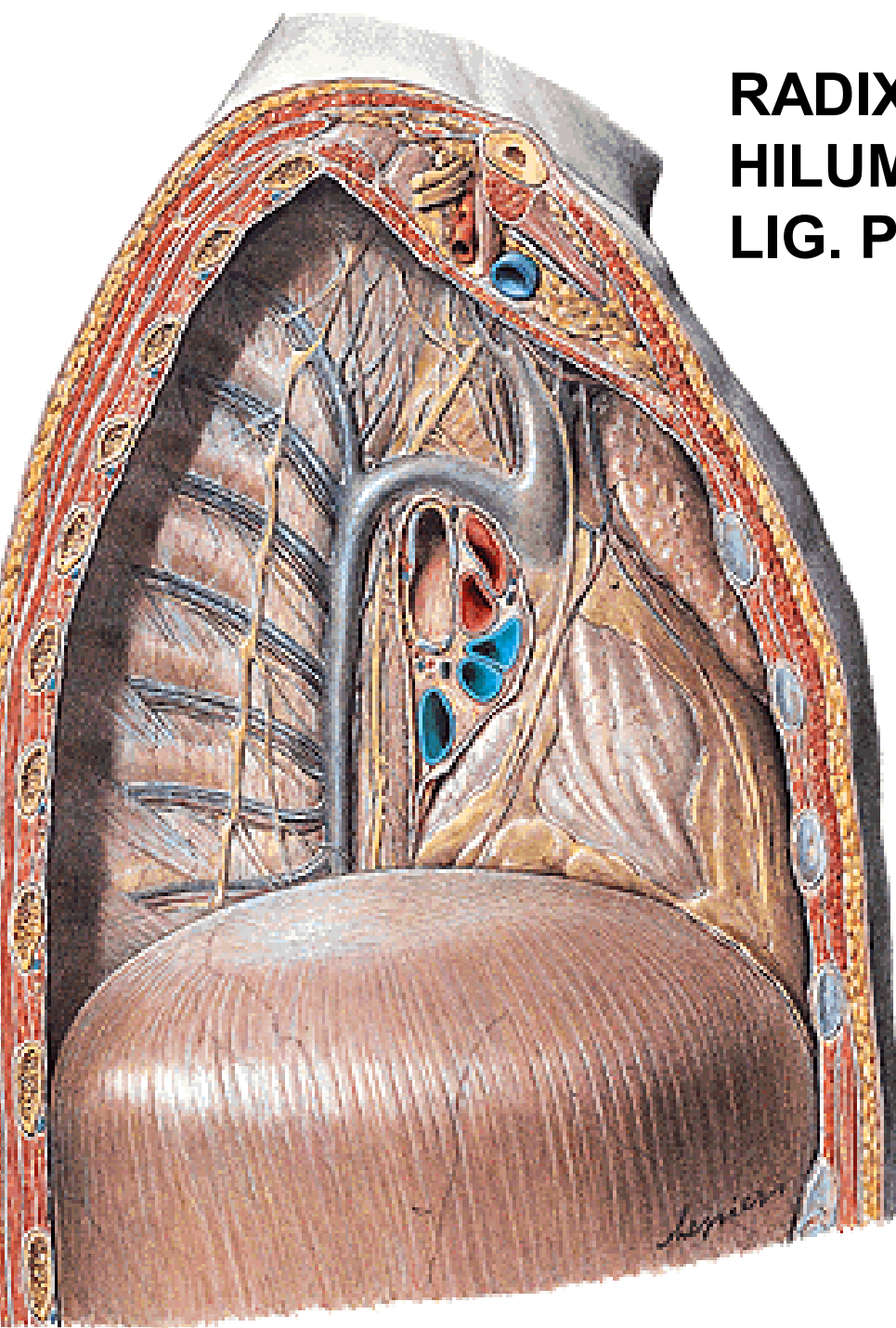
Fissura obliqua
Fissura horizontalis

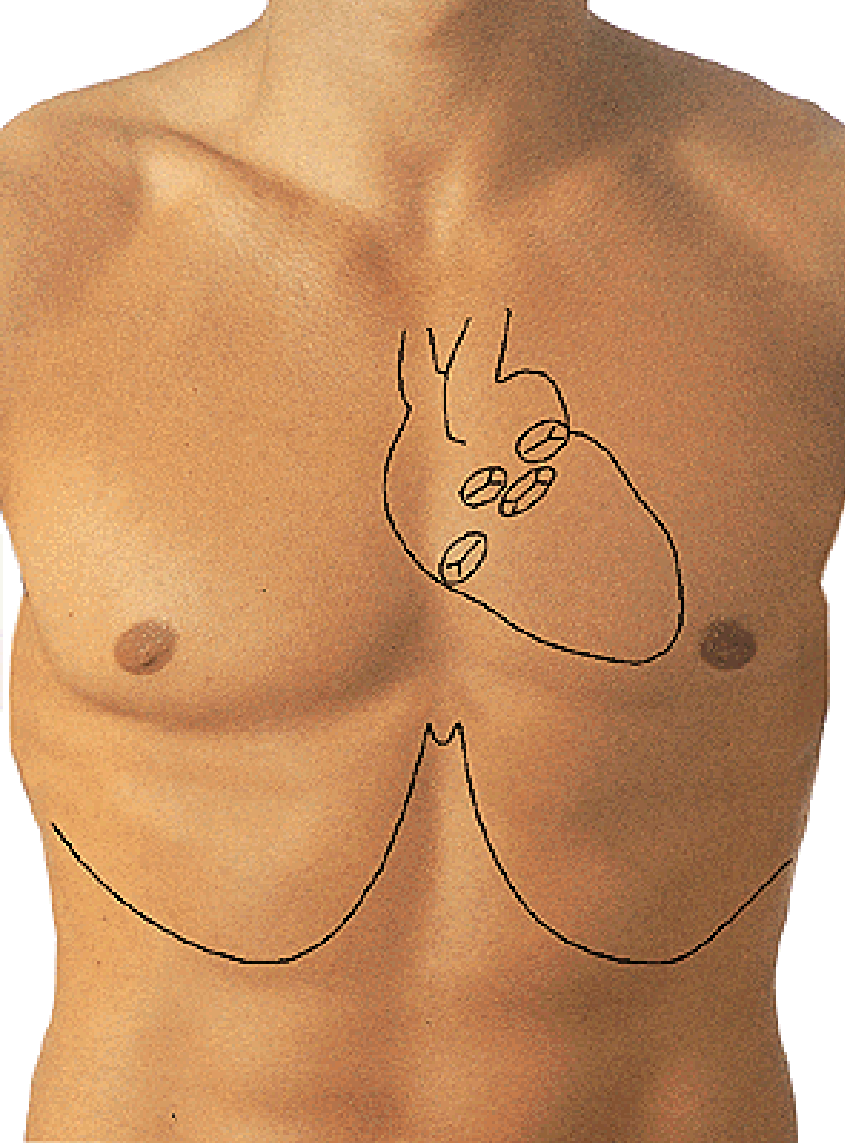






**RADIX PULMONIS
HILUM PULMONIS
LIG. PULMONALE**



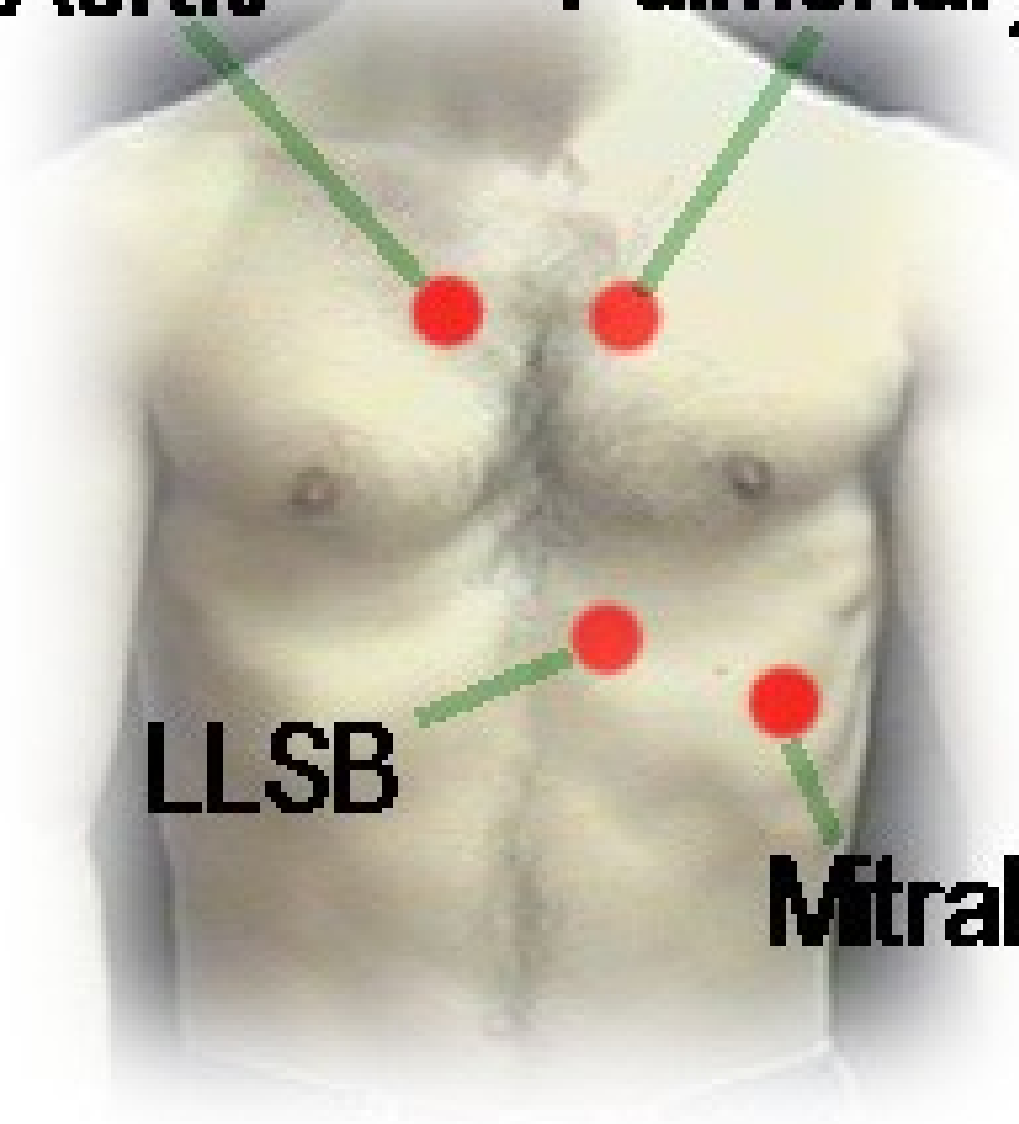


Aortic

Pulmonary

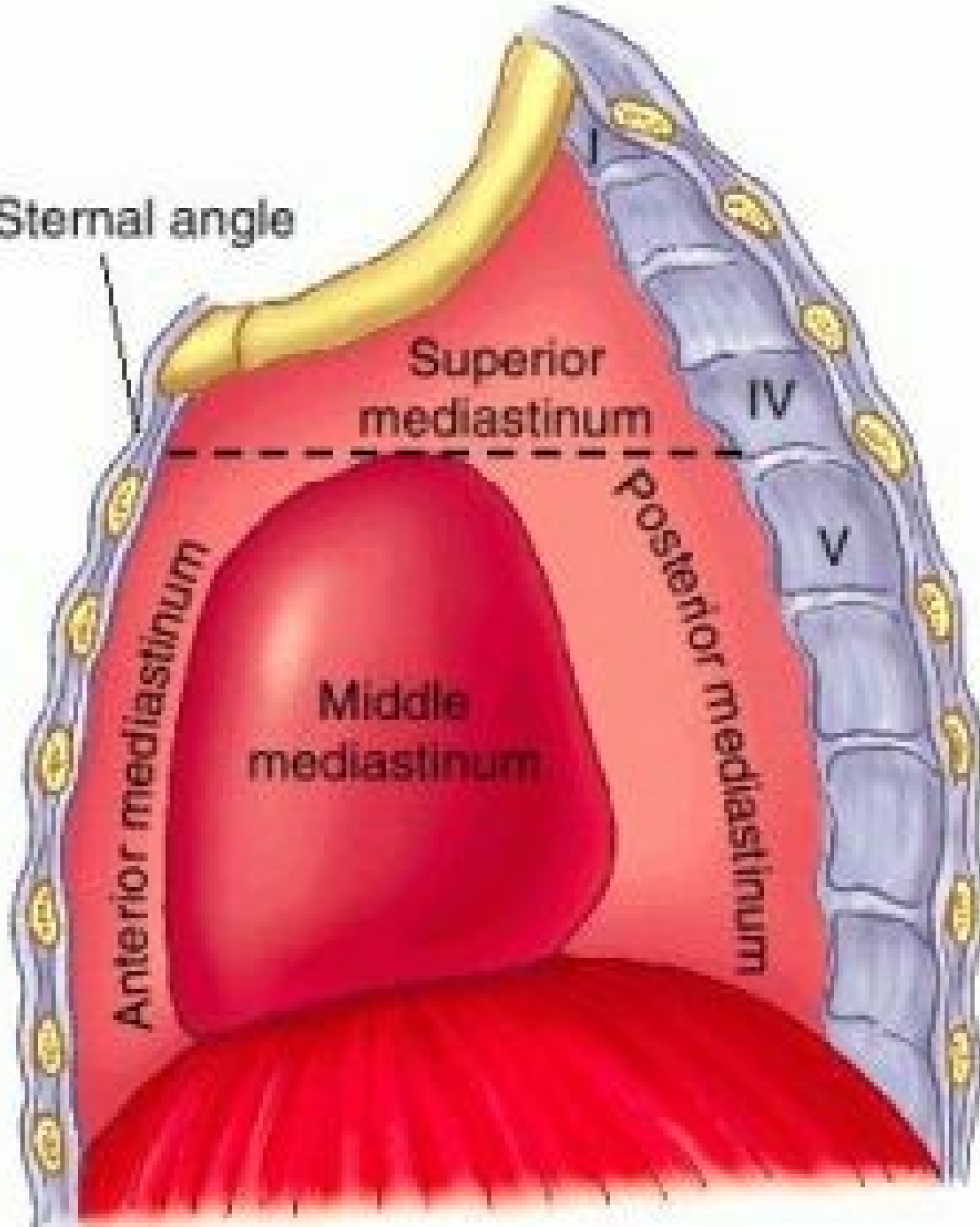
LLSB

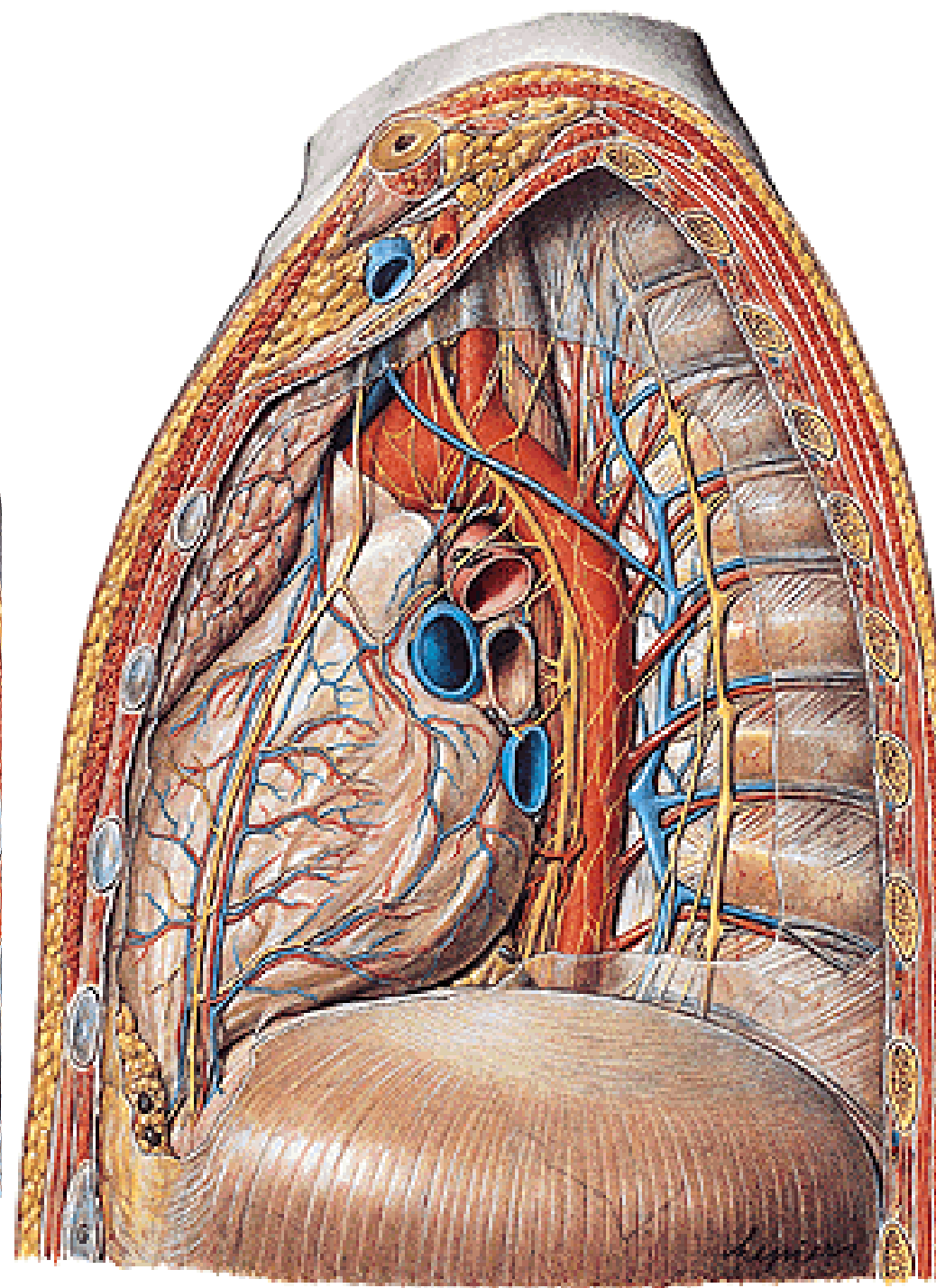
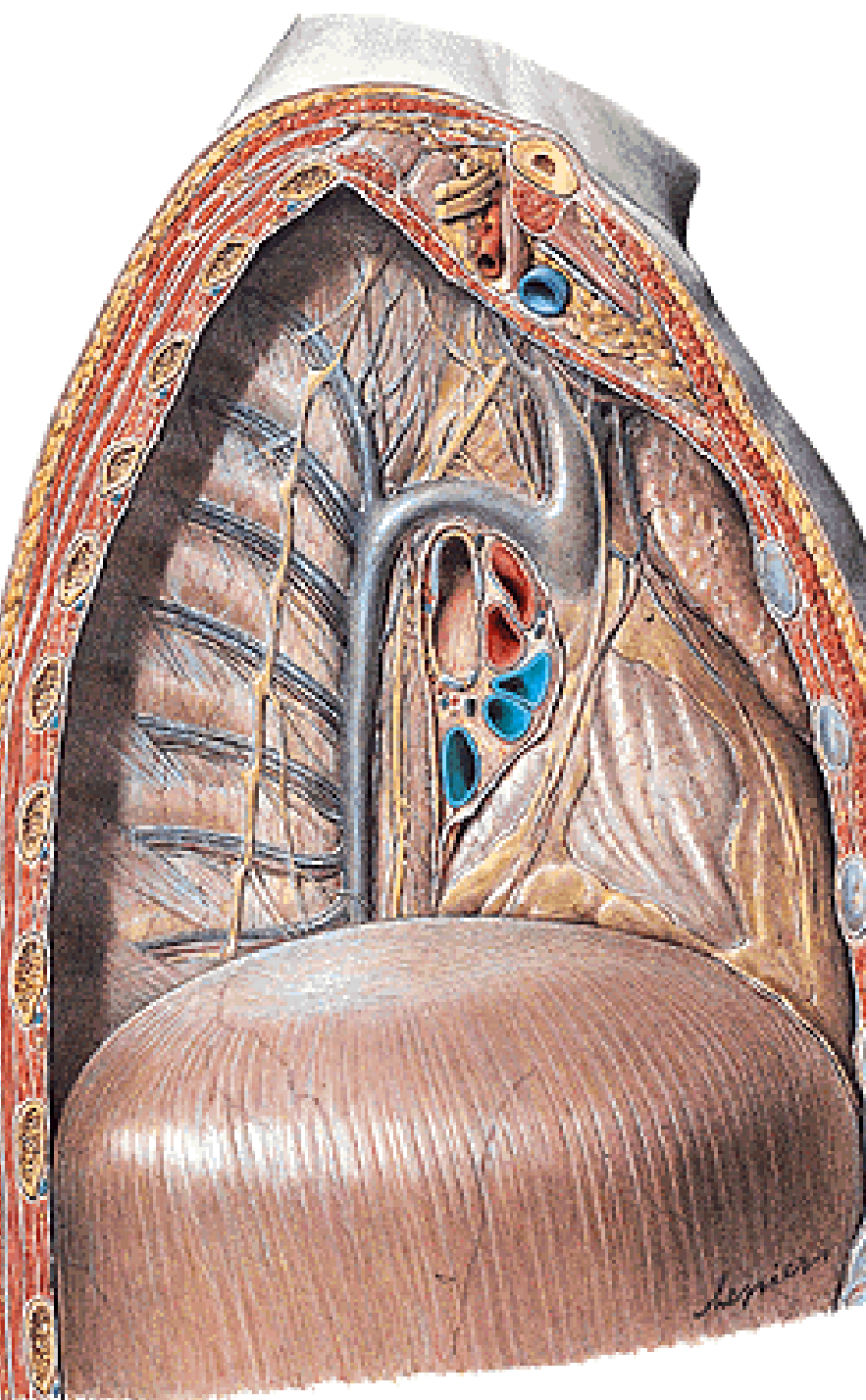
Mitral



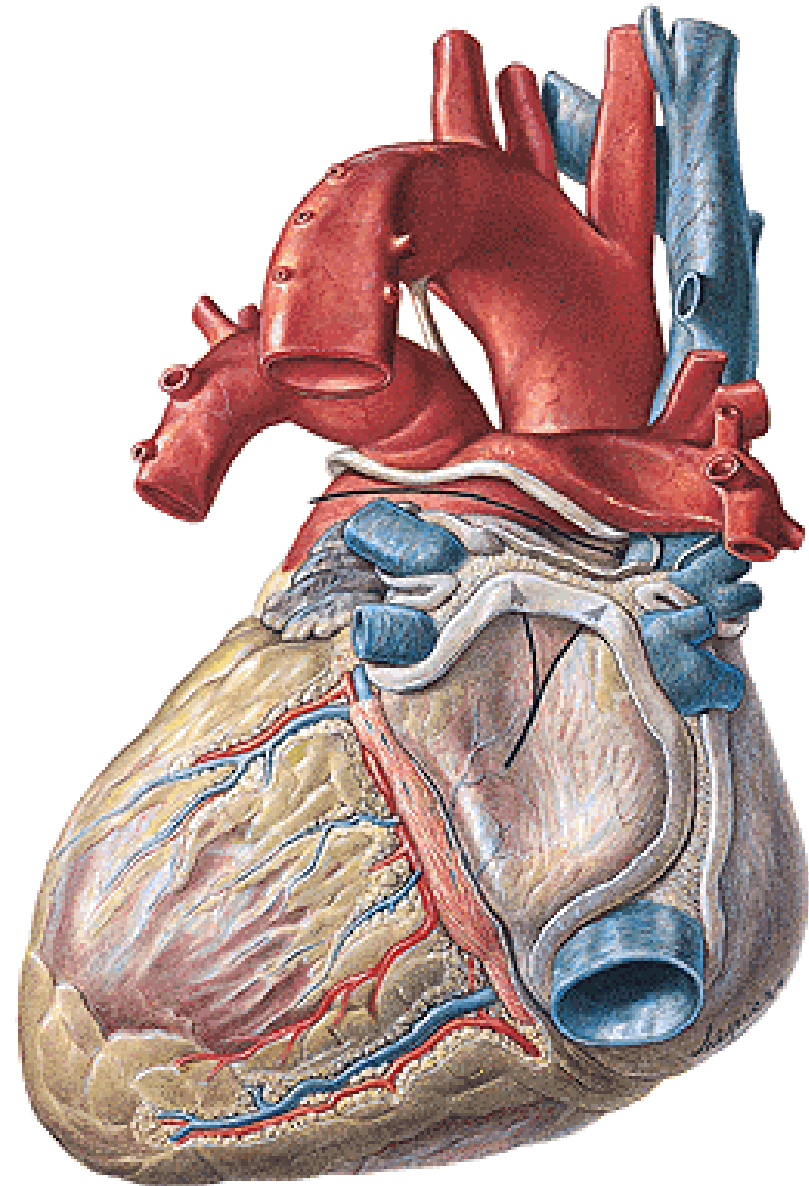
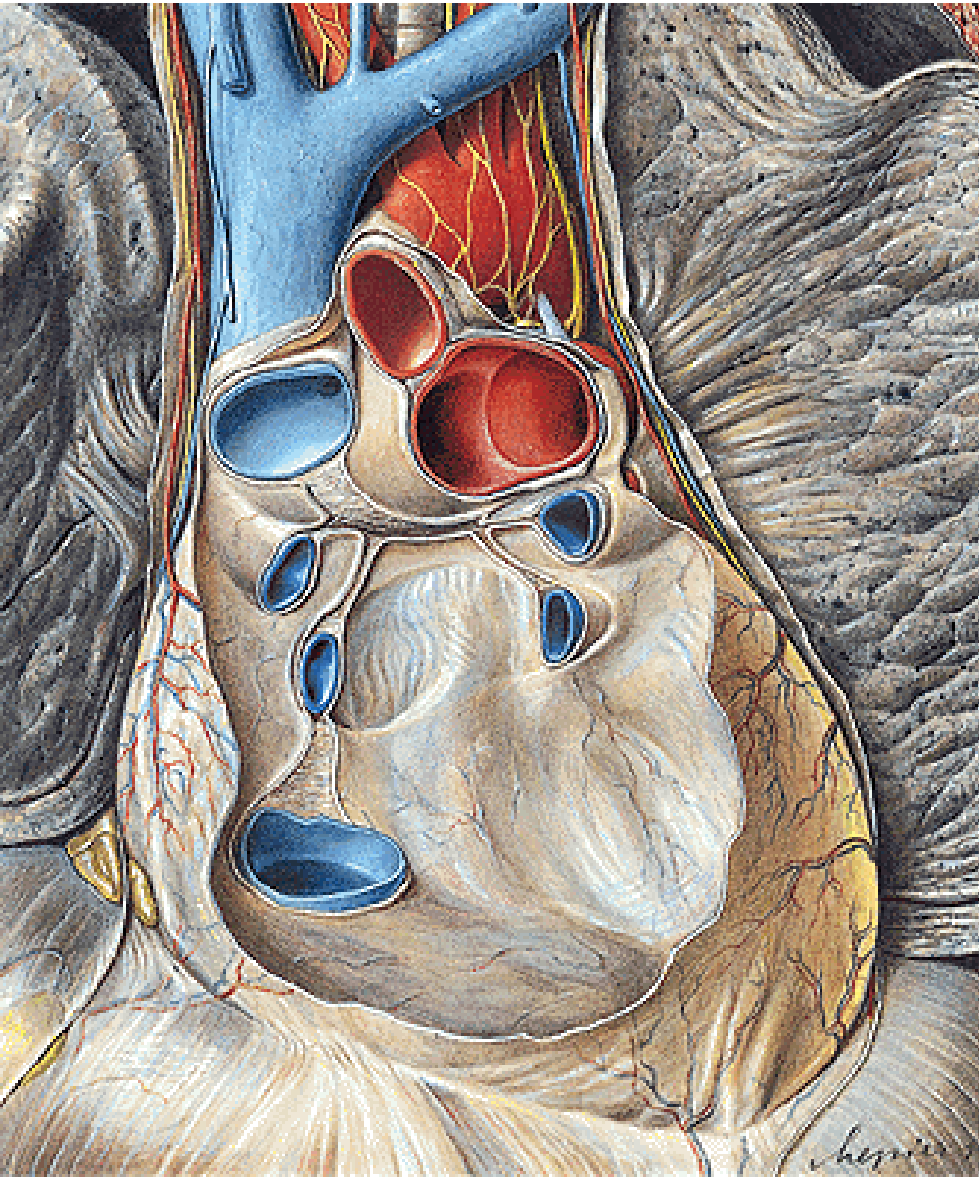
MEDIASTINUM

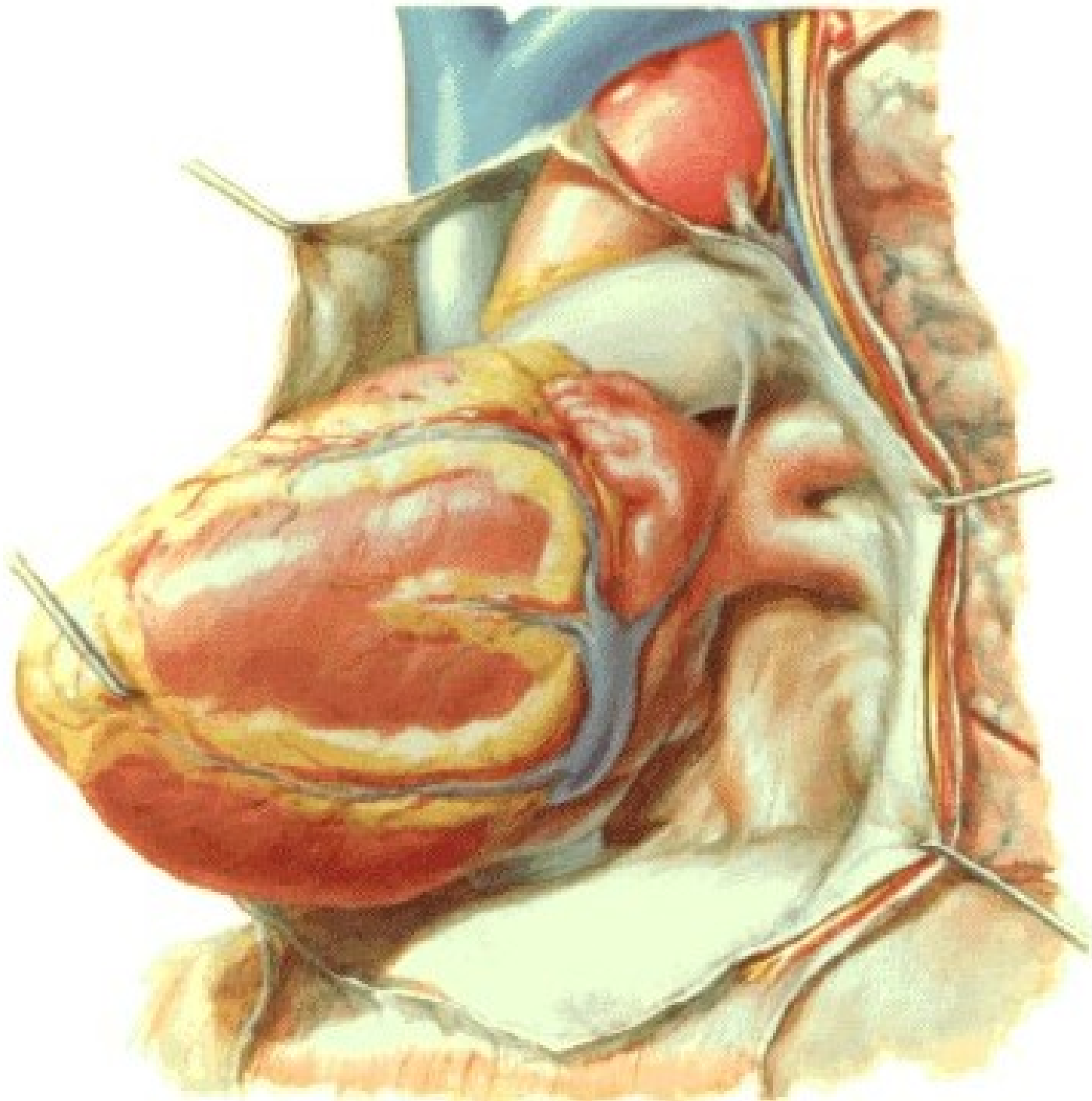
Sternal angle

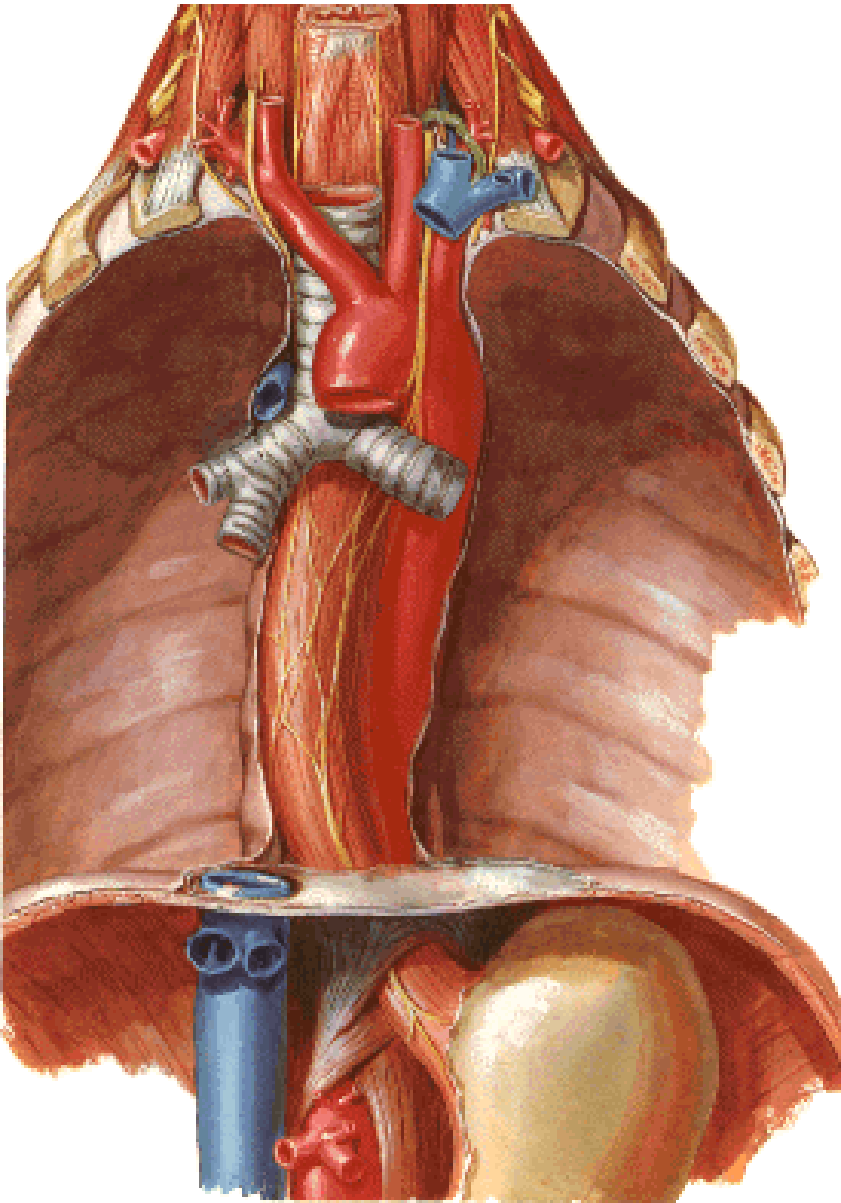


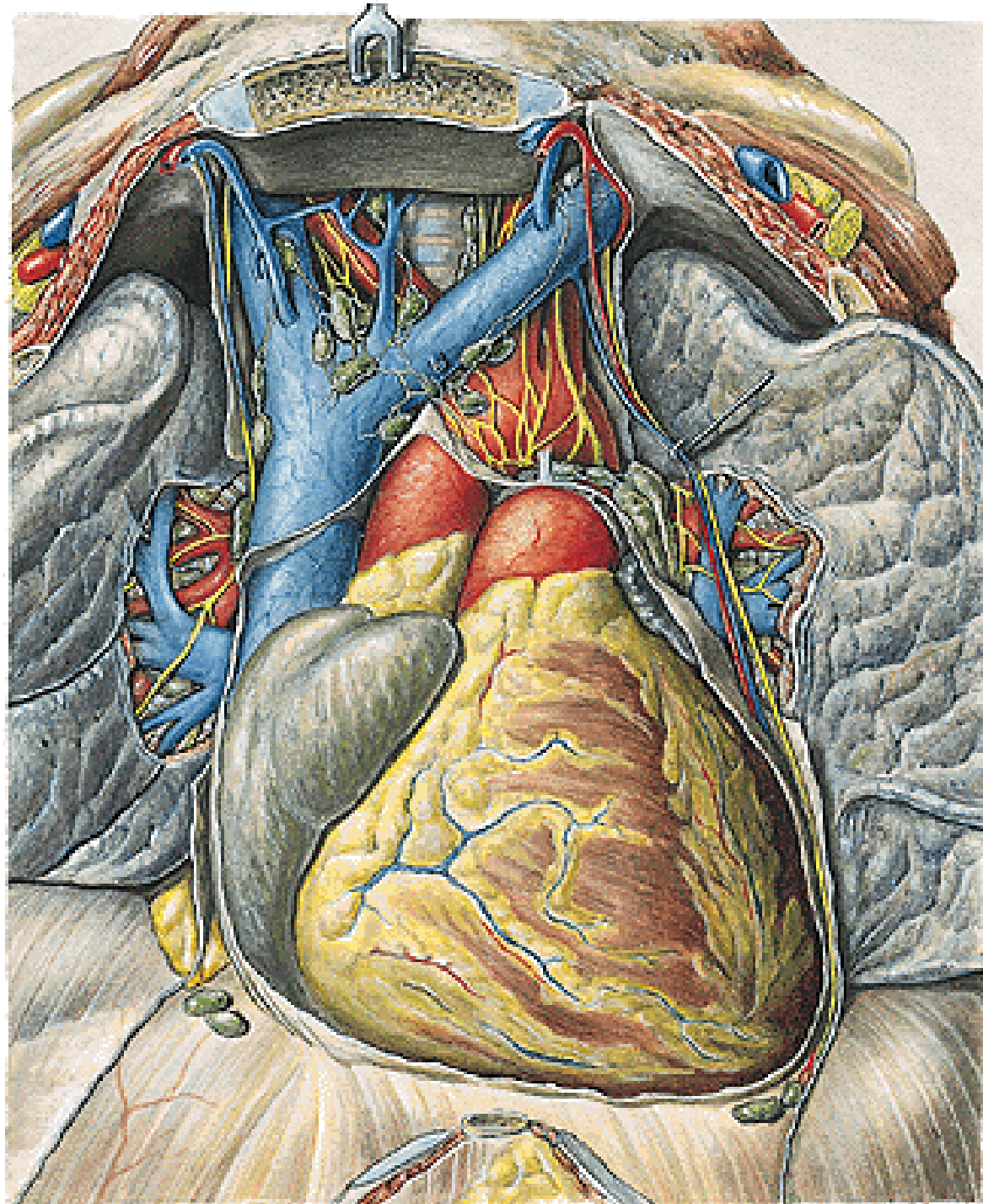


Vagina serosa arteriarum – sinus transversus pericardii
Porta venarum – sinus obliquus pericardii



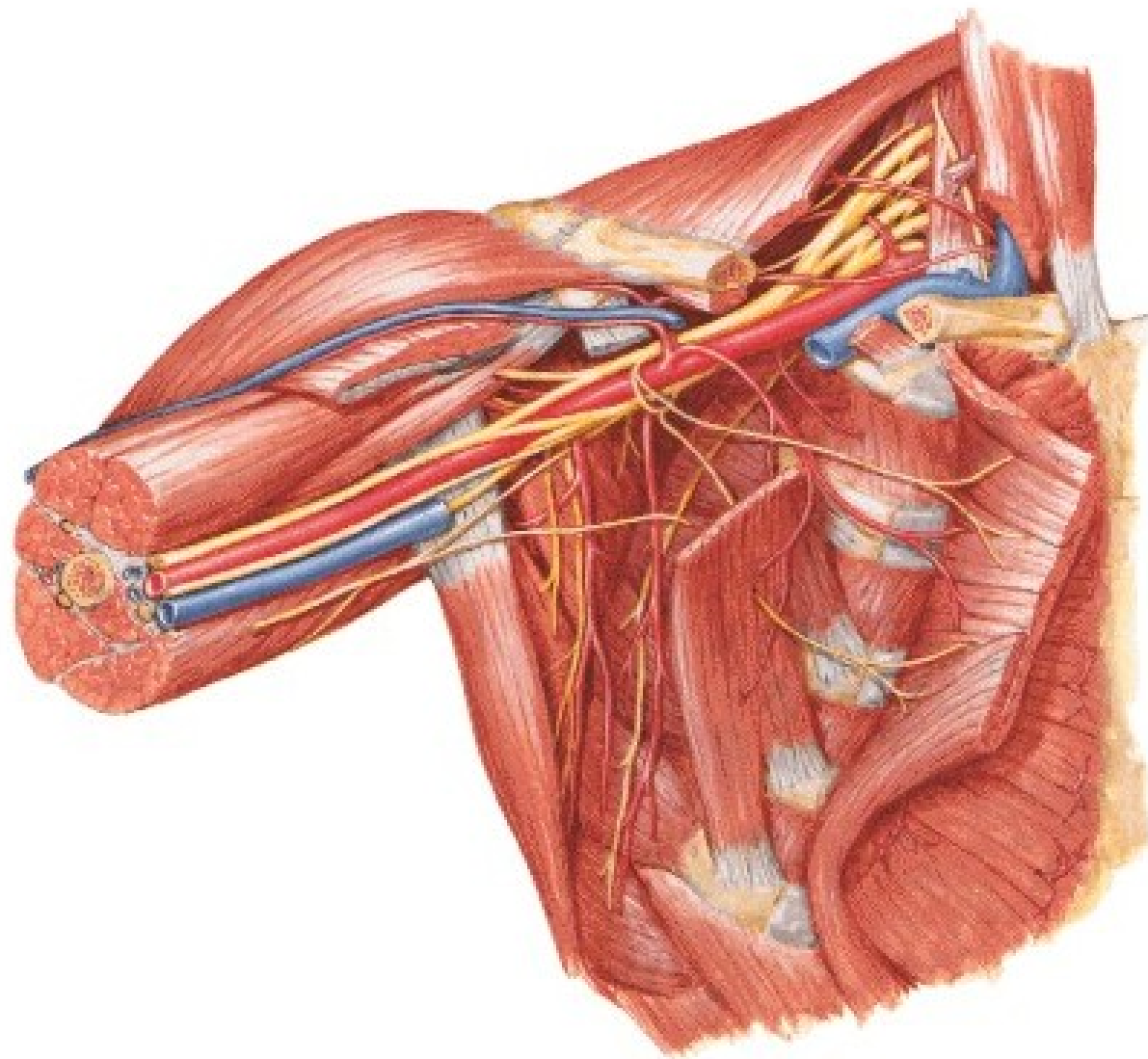






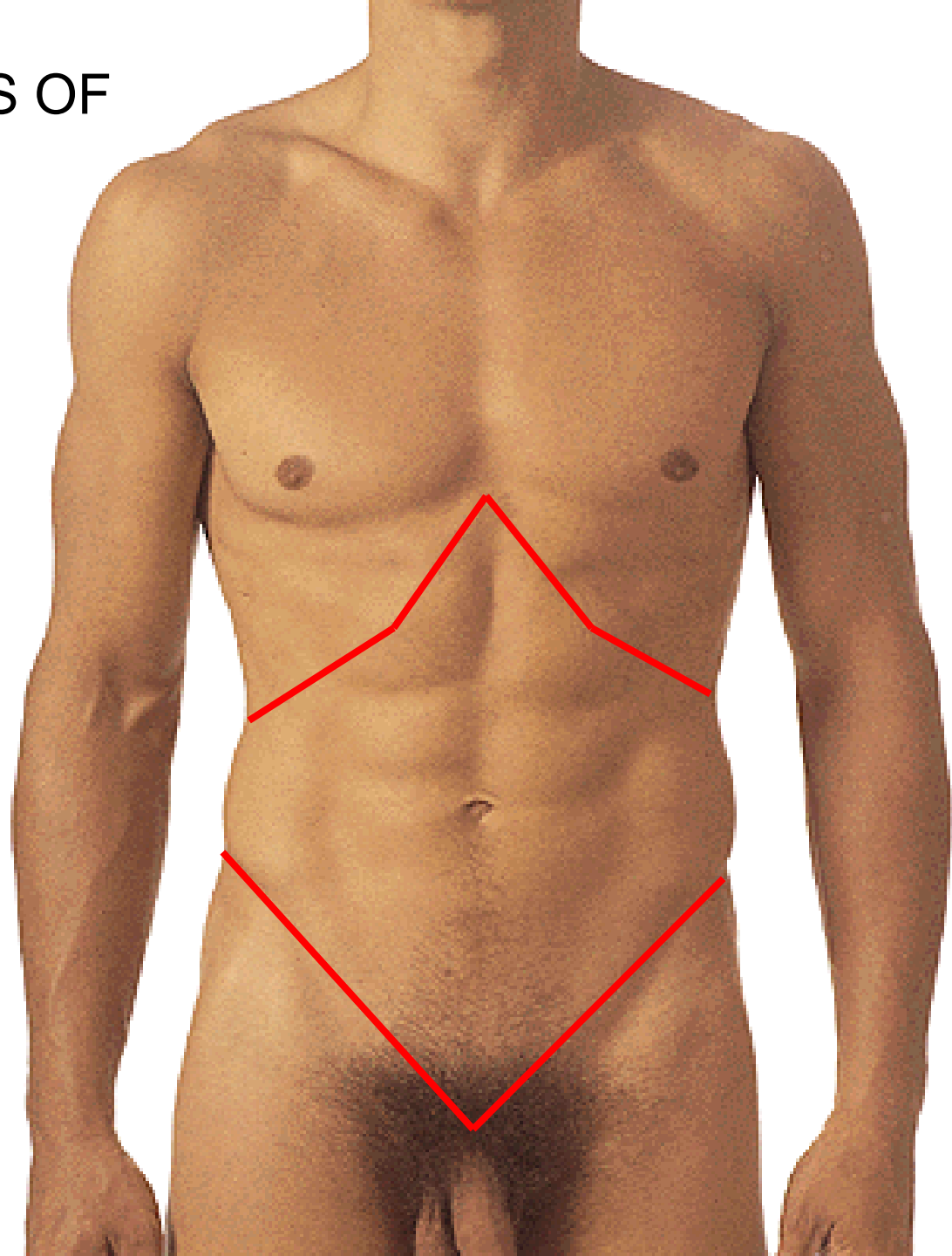
Axilla [Dissection]

Anterior View



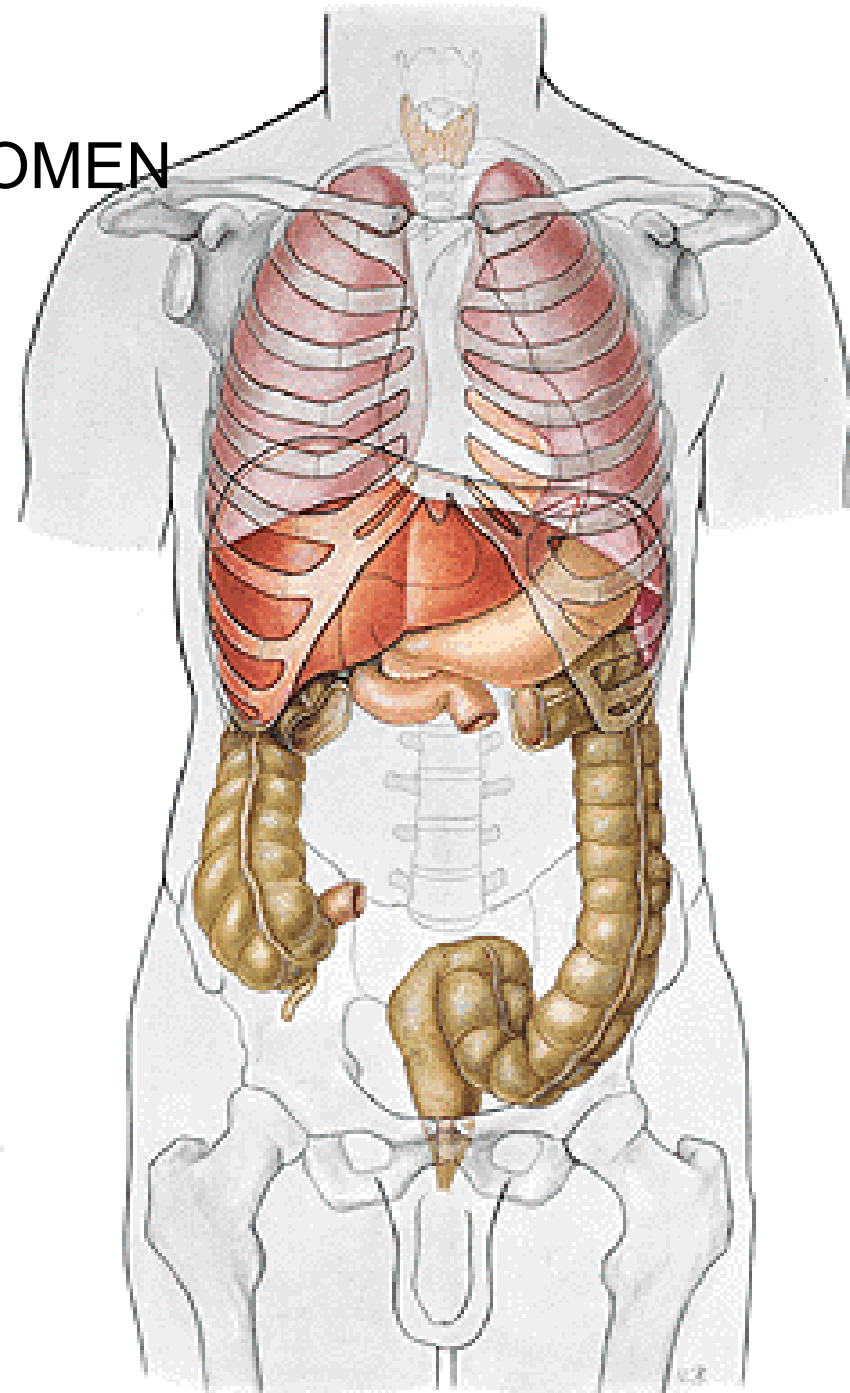
REGIONAL ANATOMY OF THE ABDOMEN

SUPERFICIAL BORDERS OF THE ABDOMEN



DEEP BORDERS OF THE ABDOMEN

- DIAPHRAGMA
- LINEA TERMINALIS

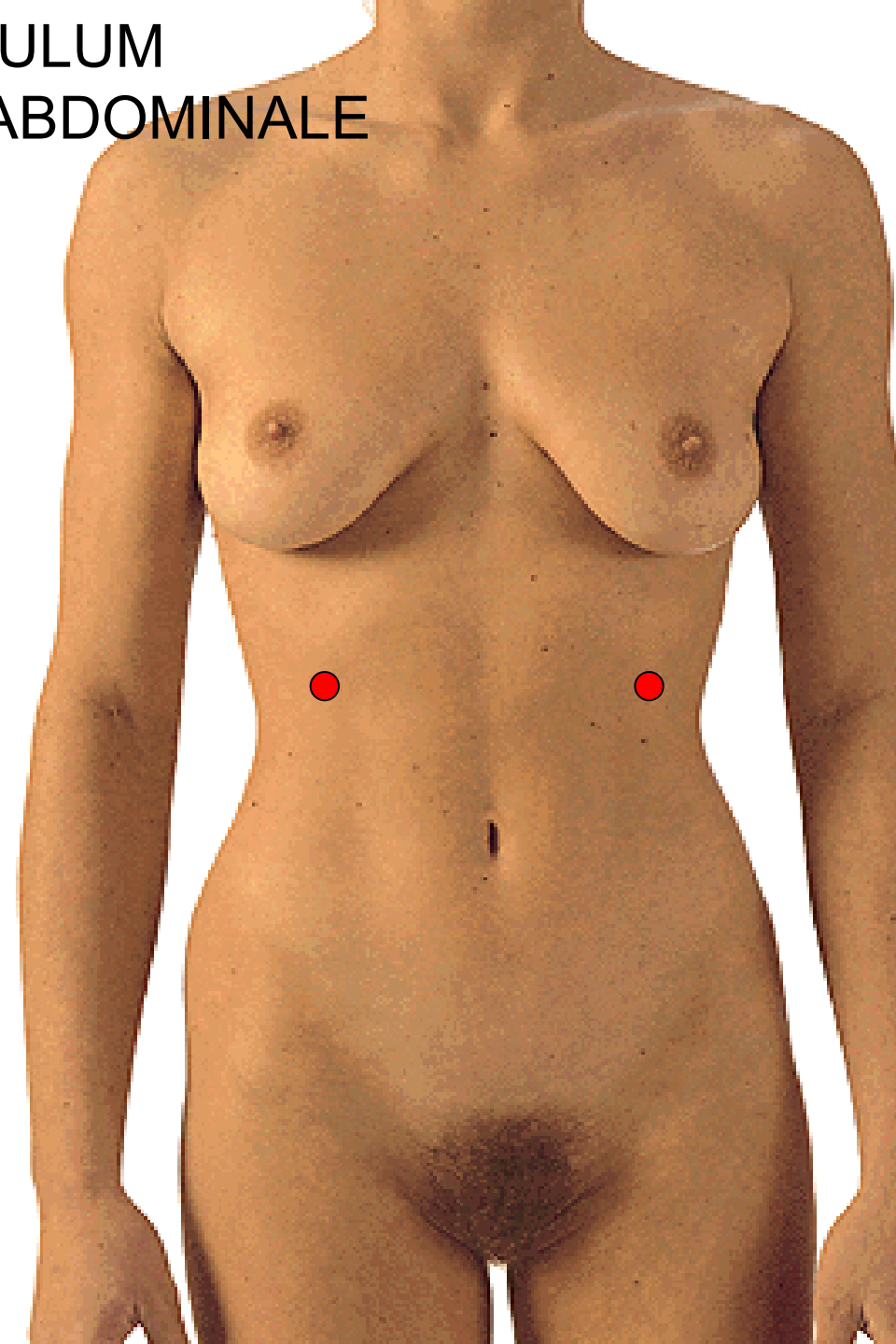
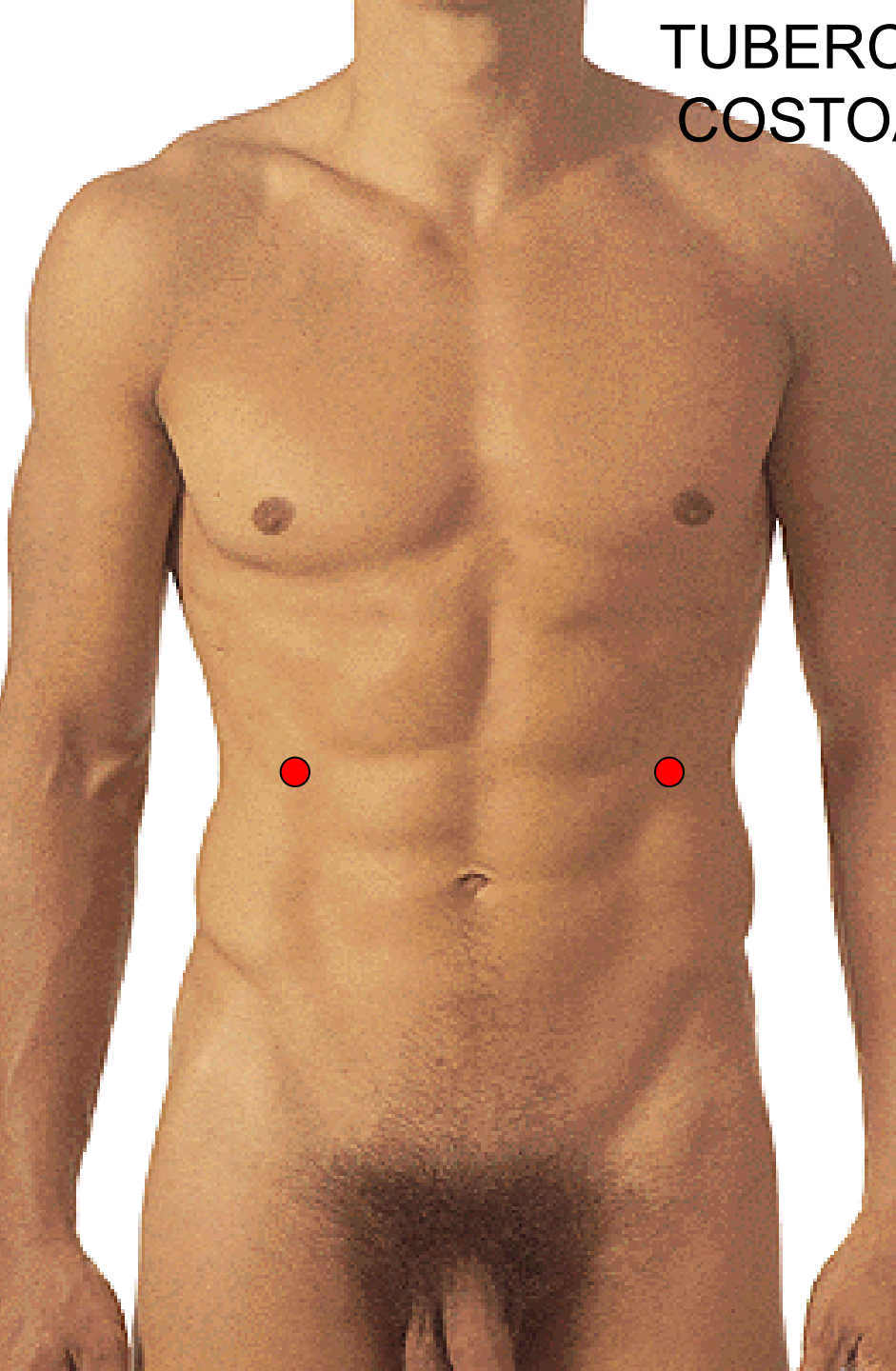


FACTORS INFLUENCING THE SHAPE:

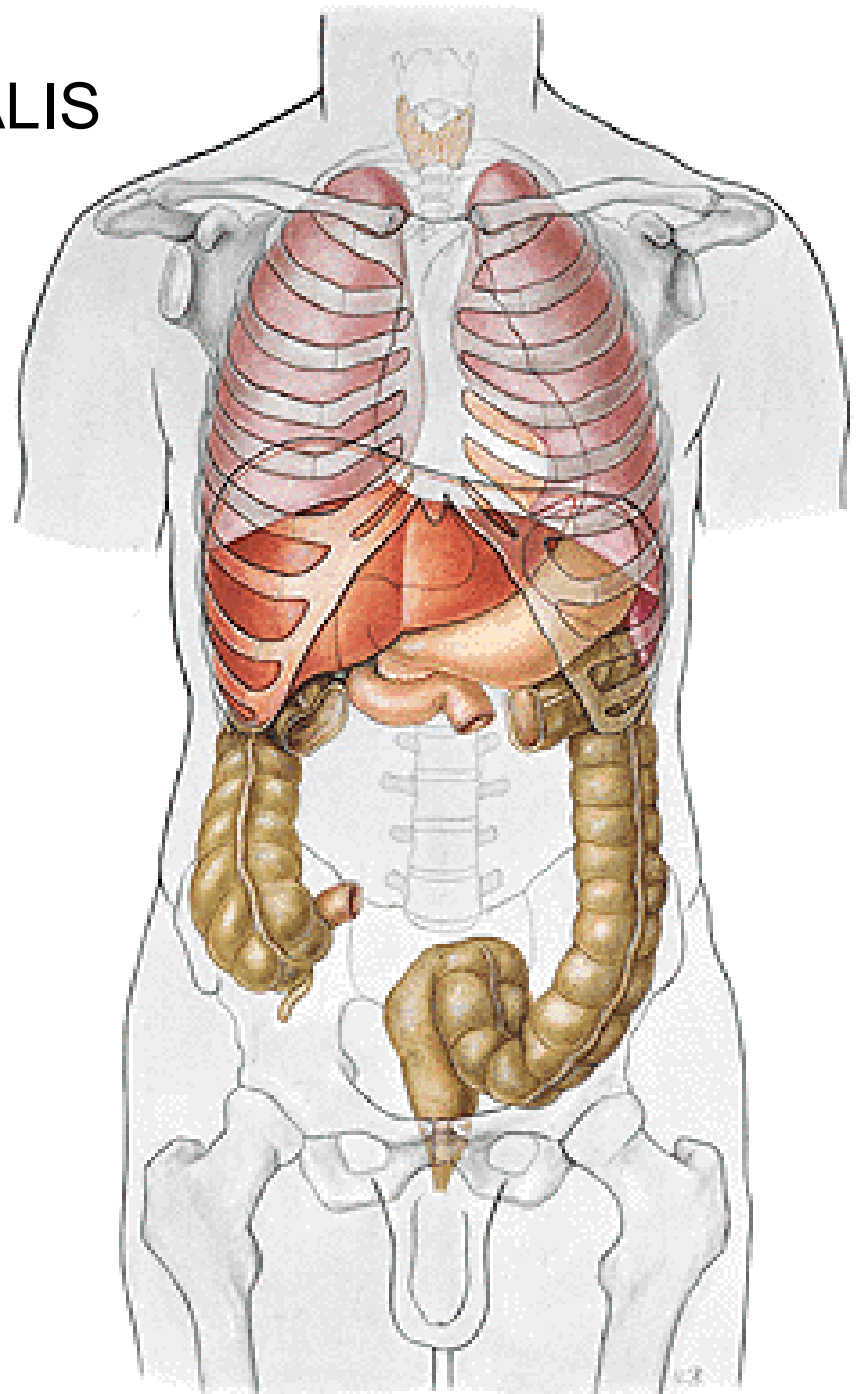
- SEX
- AGE
- CONSTITUTION
- ALIMENTATION
- CONTENTS
- POSITION
- CONTRACTION OF MUSCLES
- RESPIRATION



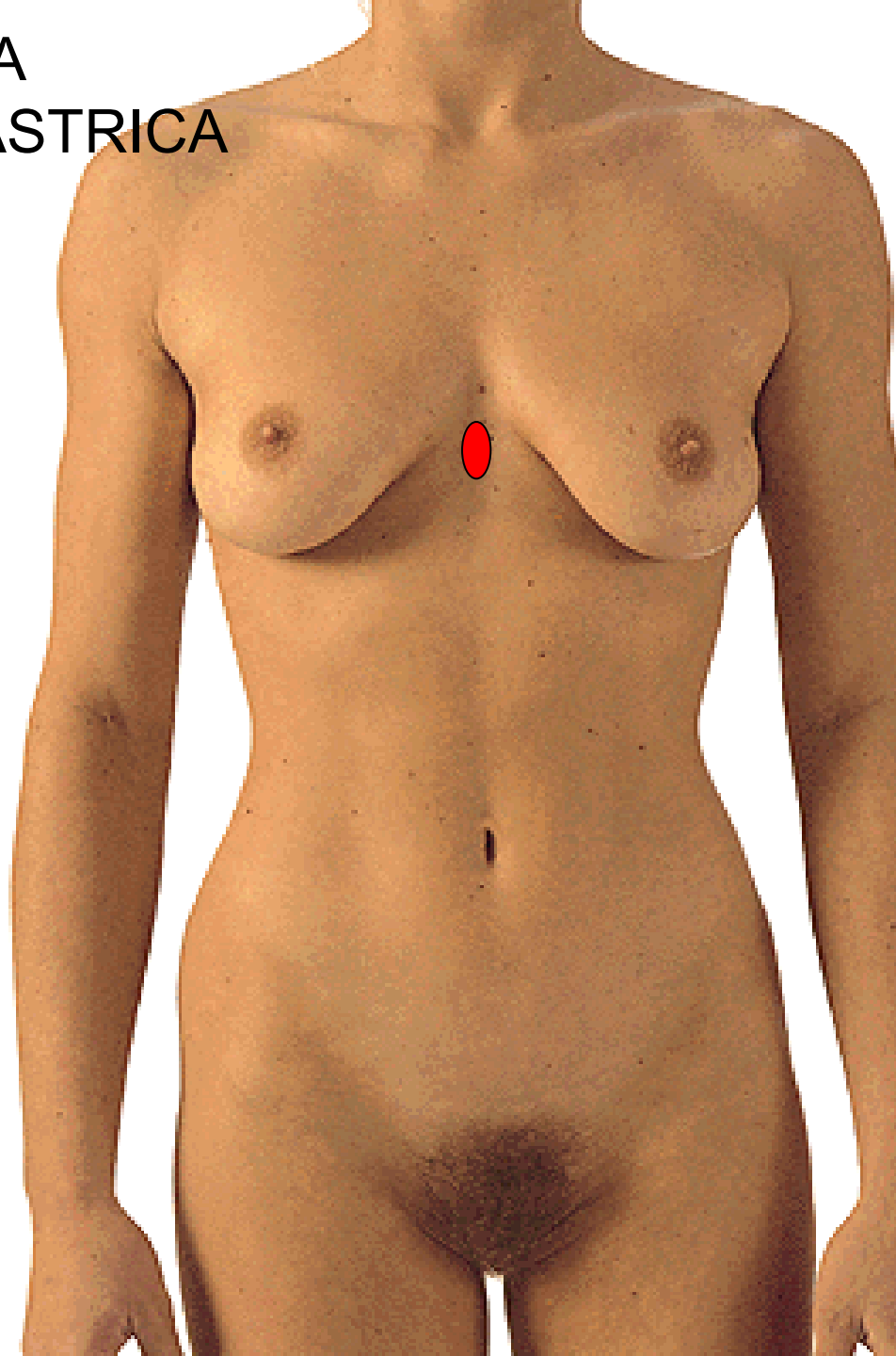
TUBERCULUM
COSTOABDOMINALE



ANGULUS INFRASTERNALIS



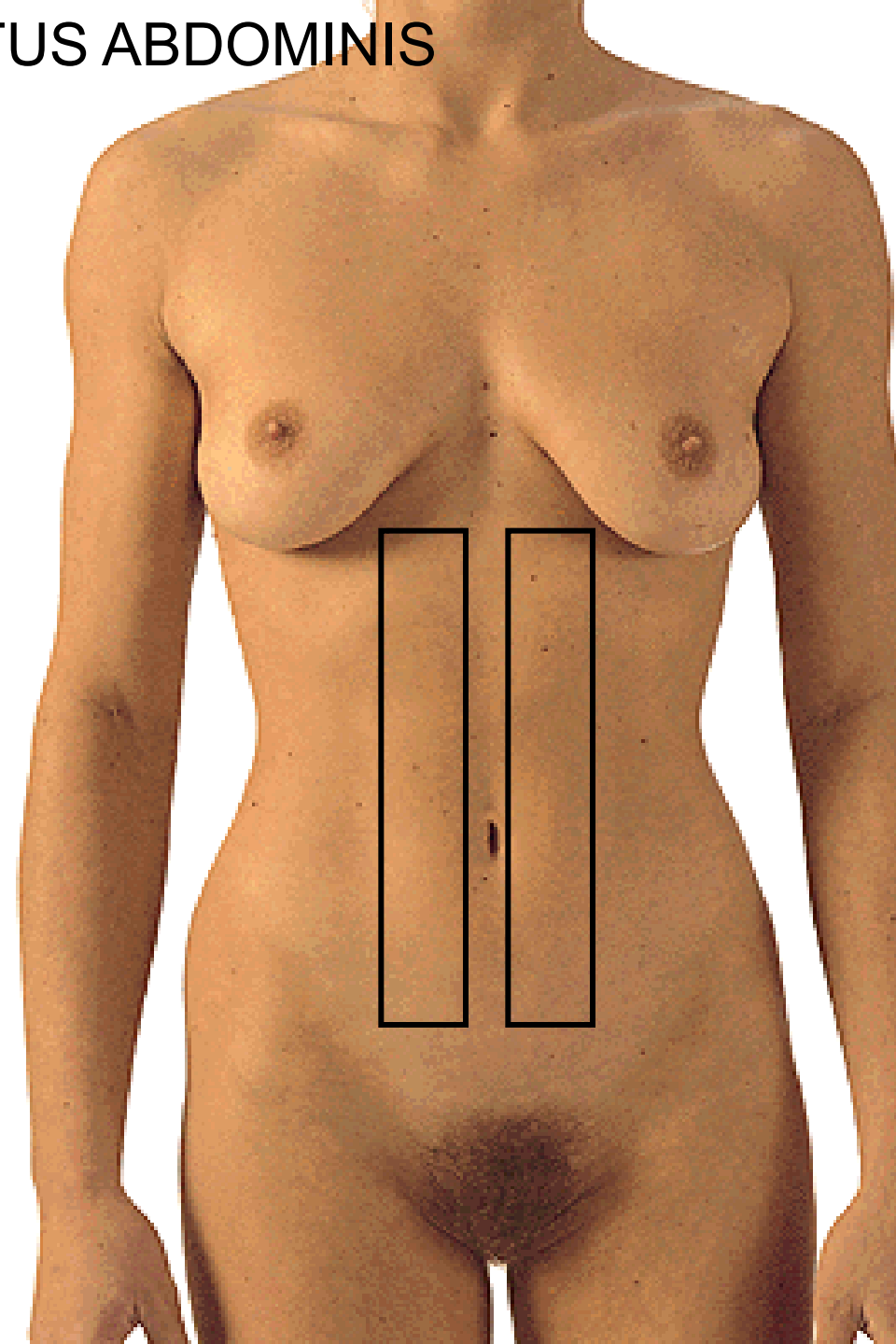
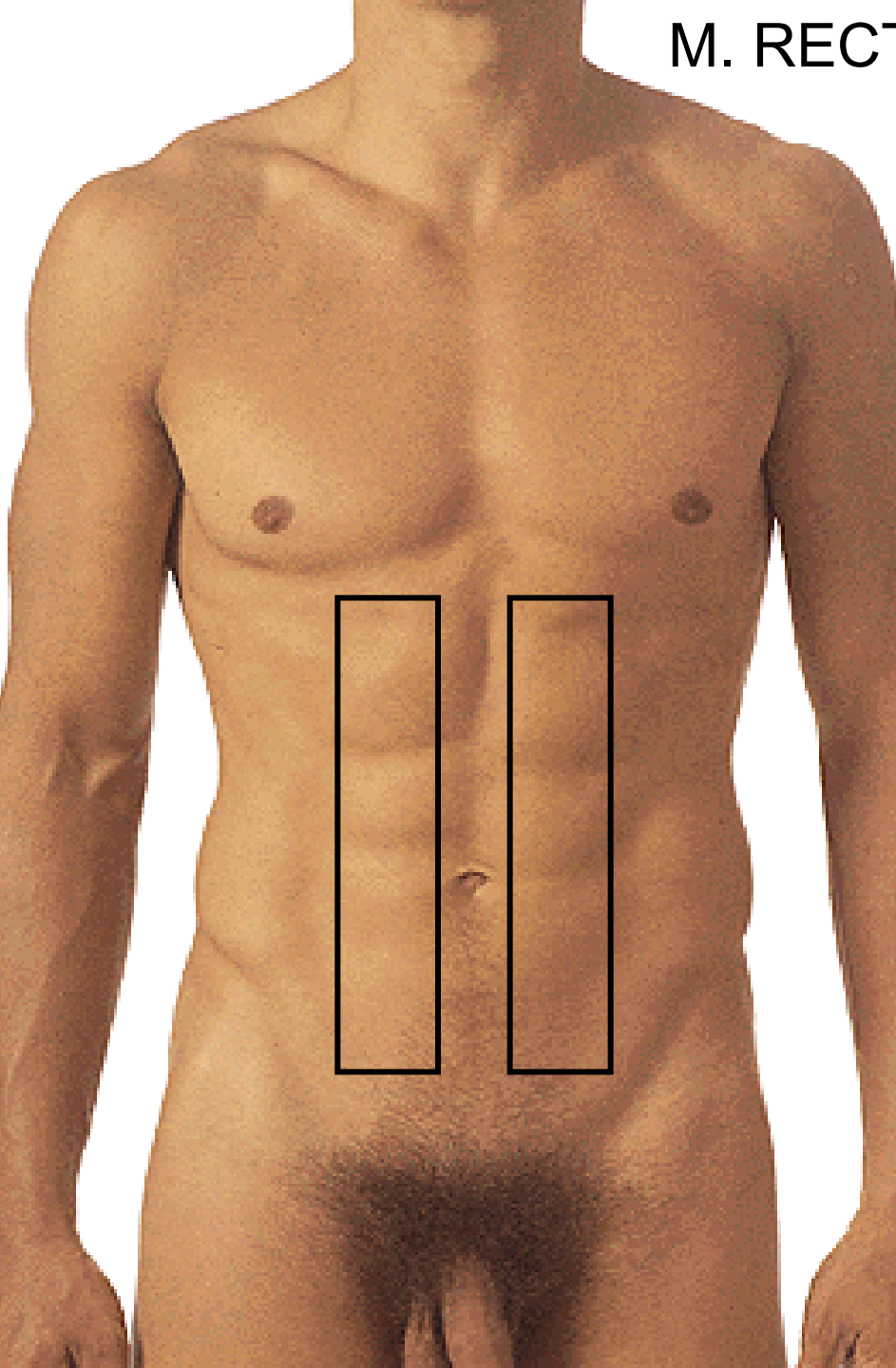
FOSSA
EPIGASTRICA



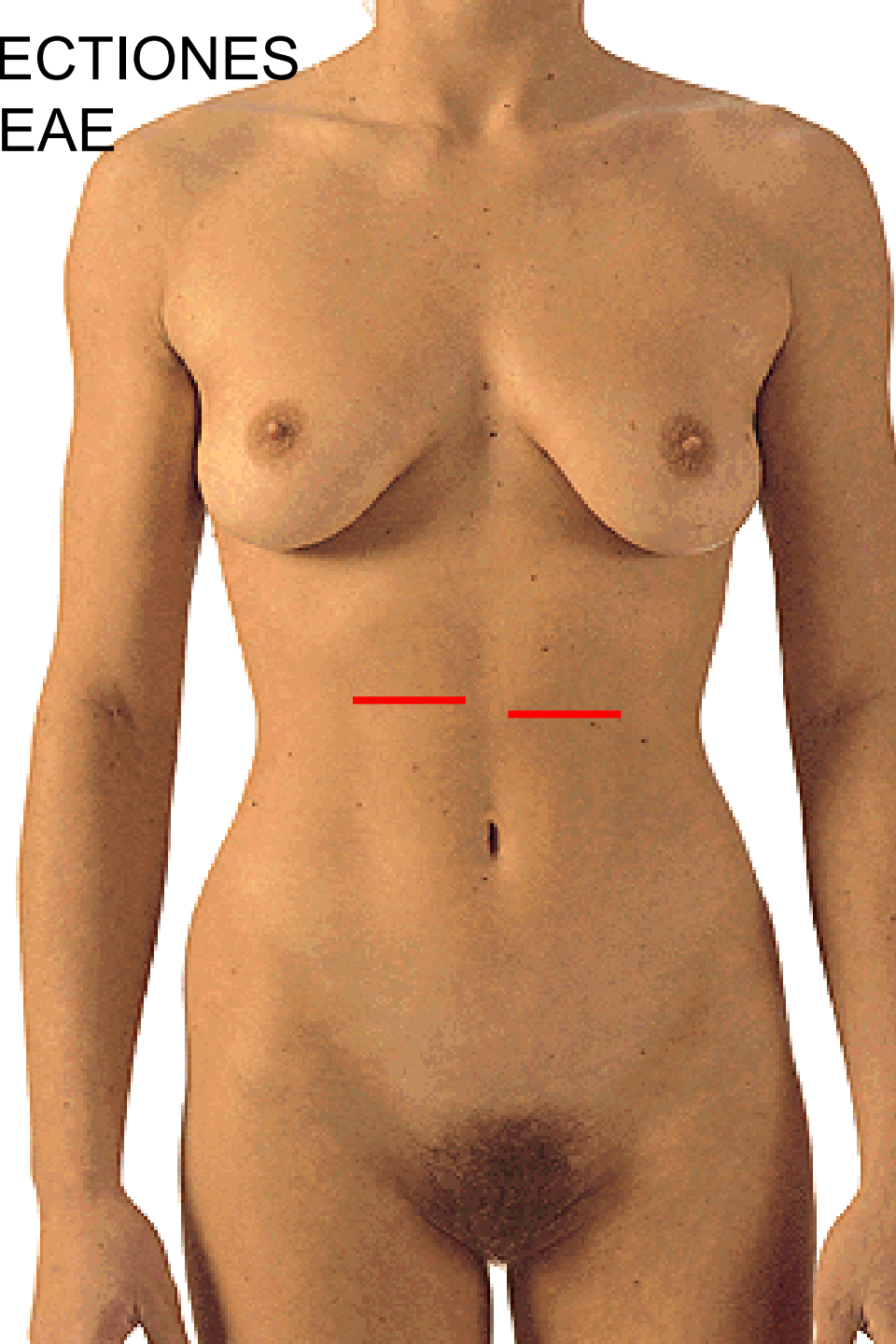
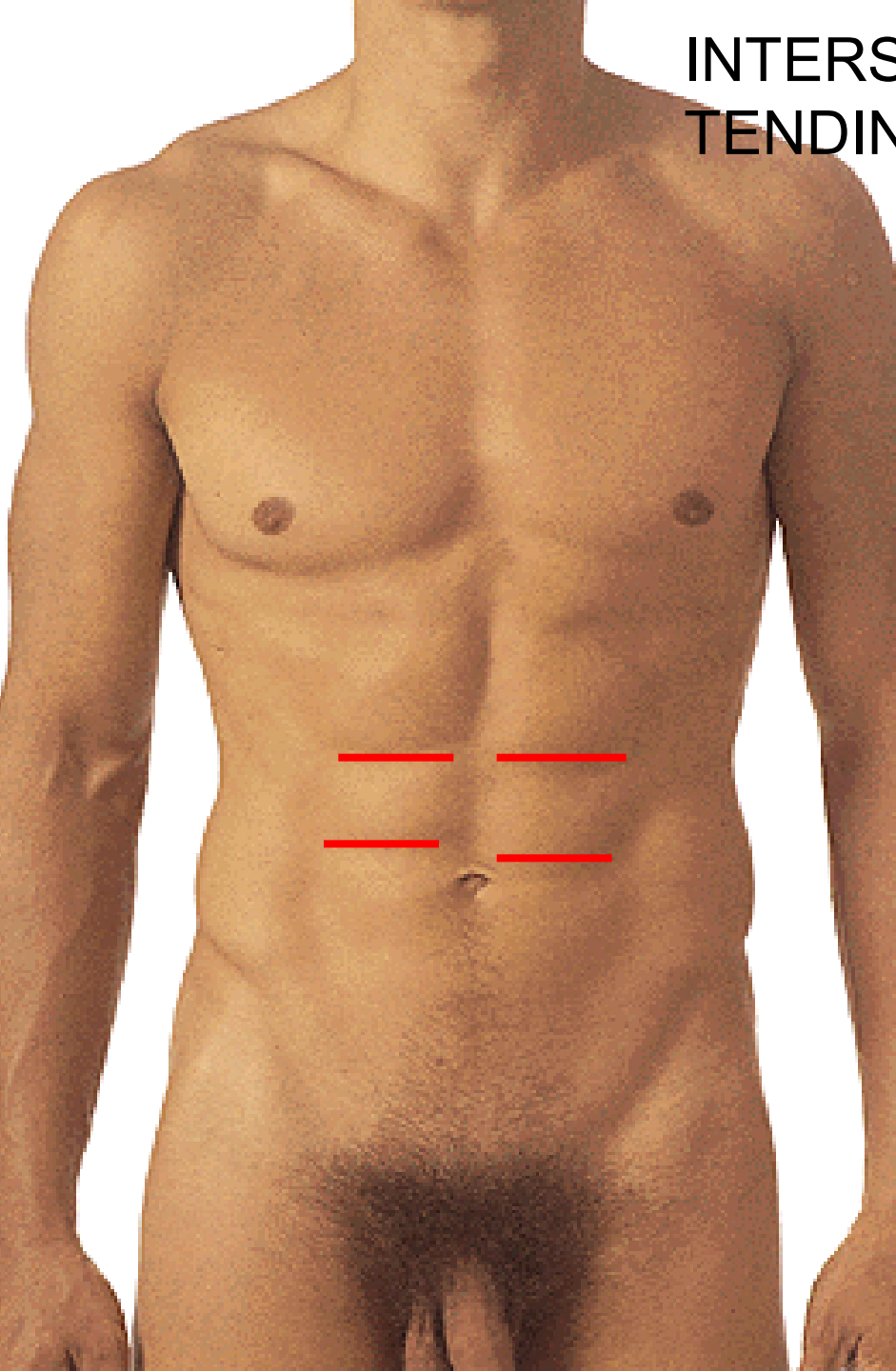
UMBILICUS – L3/L4



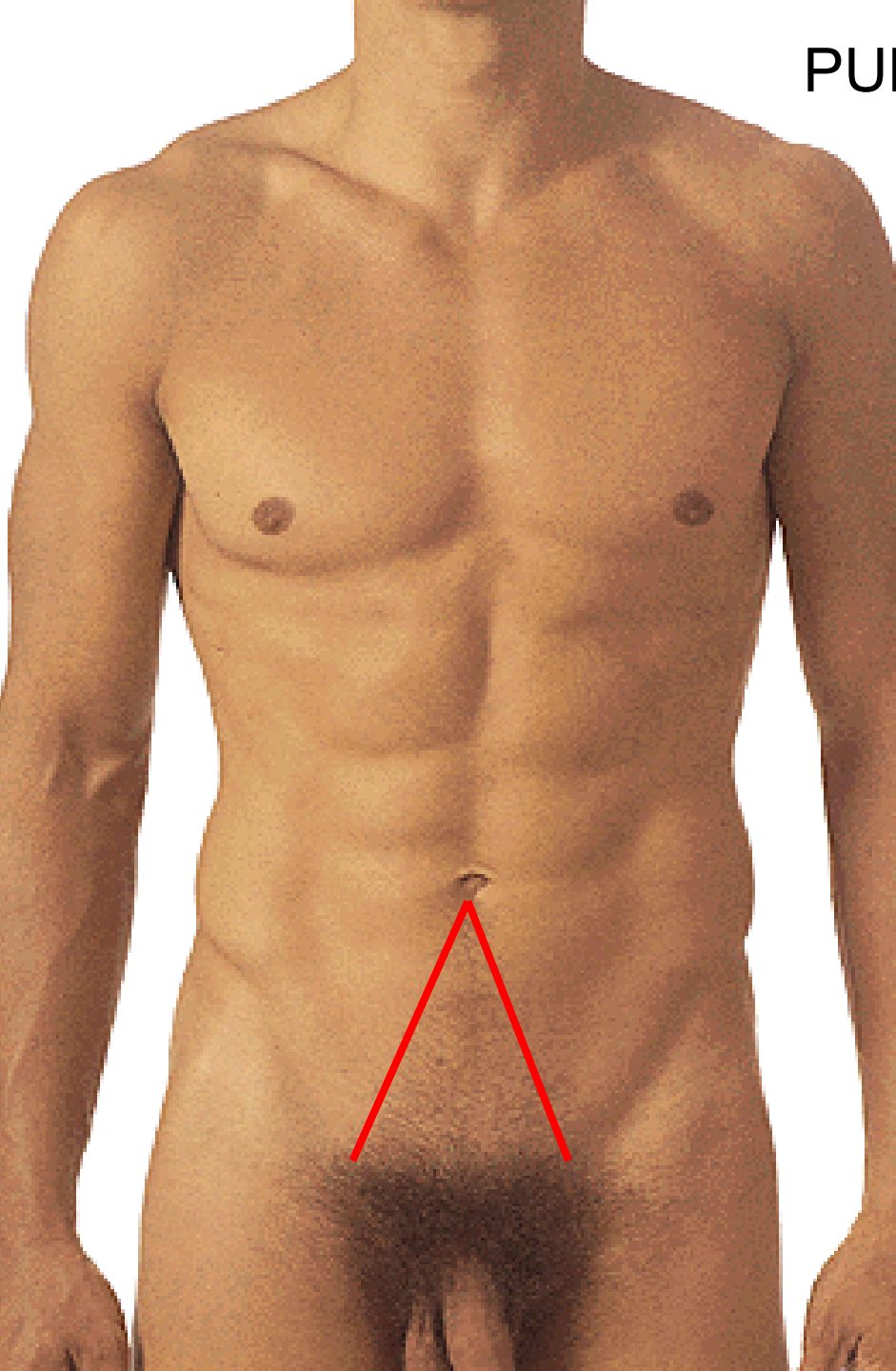
M. RECTUS ABDOMINIS



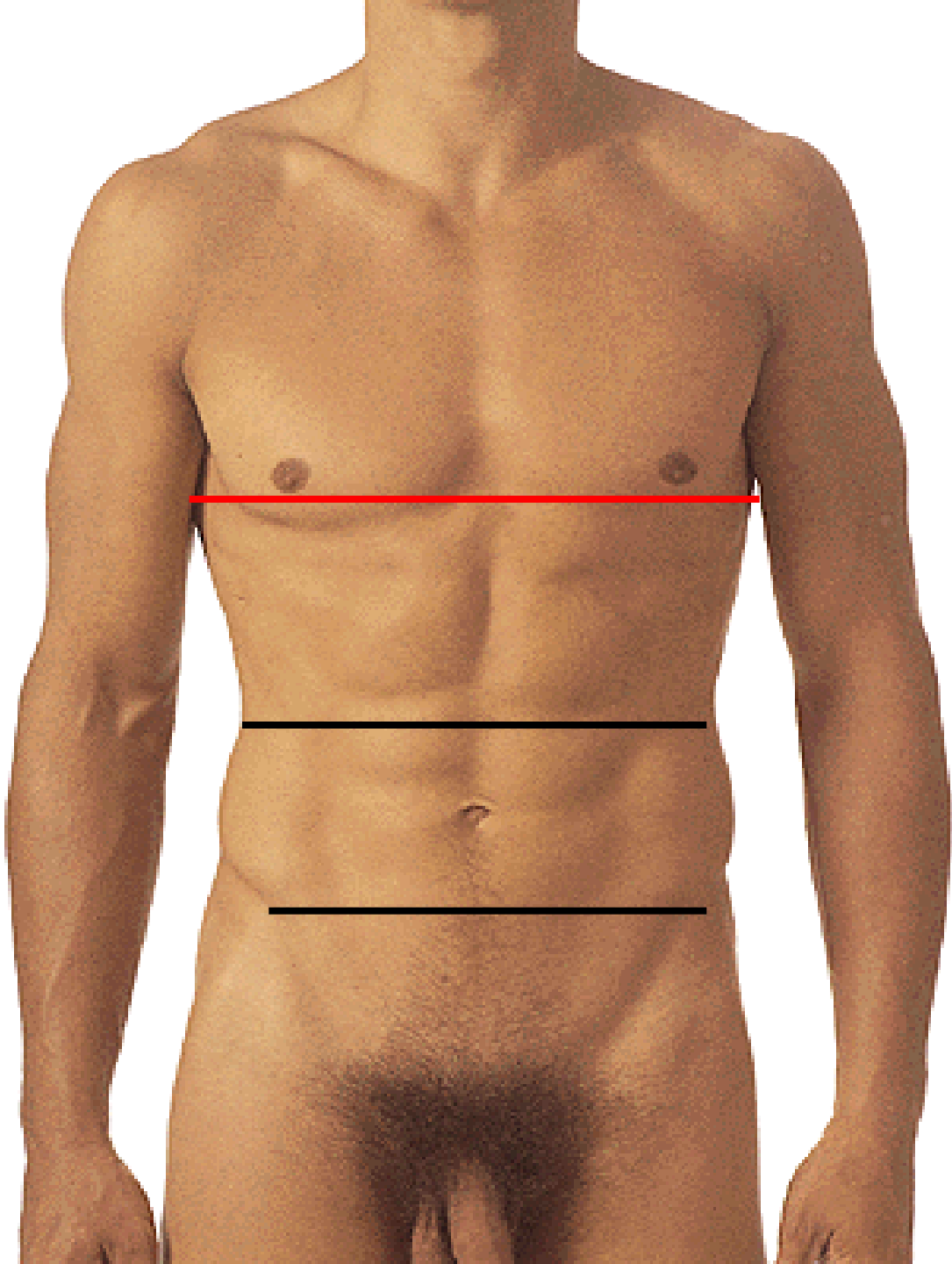
INTERSECCIONES
TENDINEAE



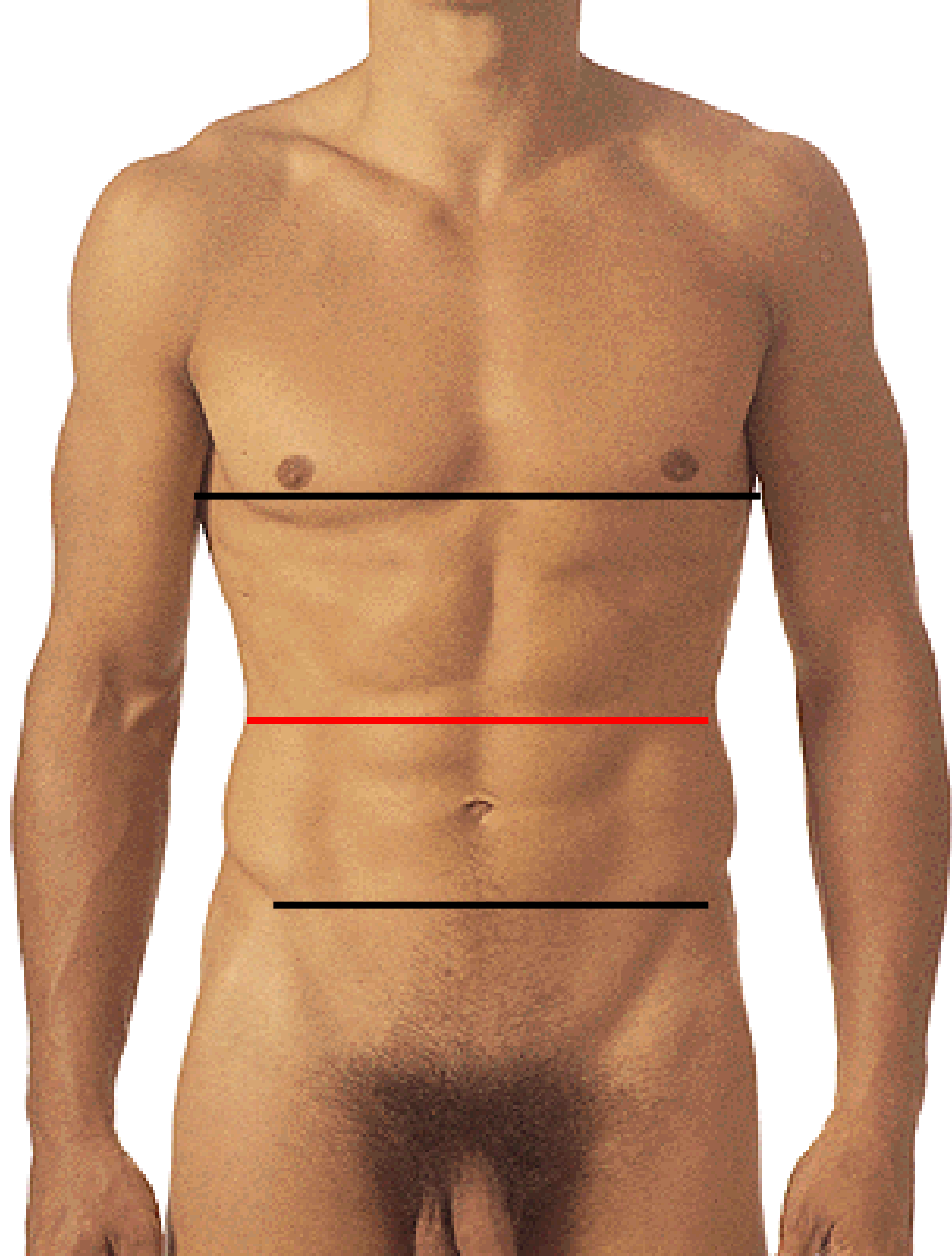
PUBES



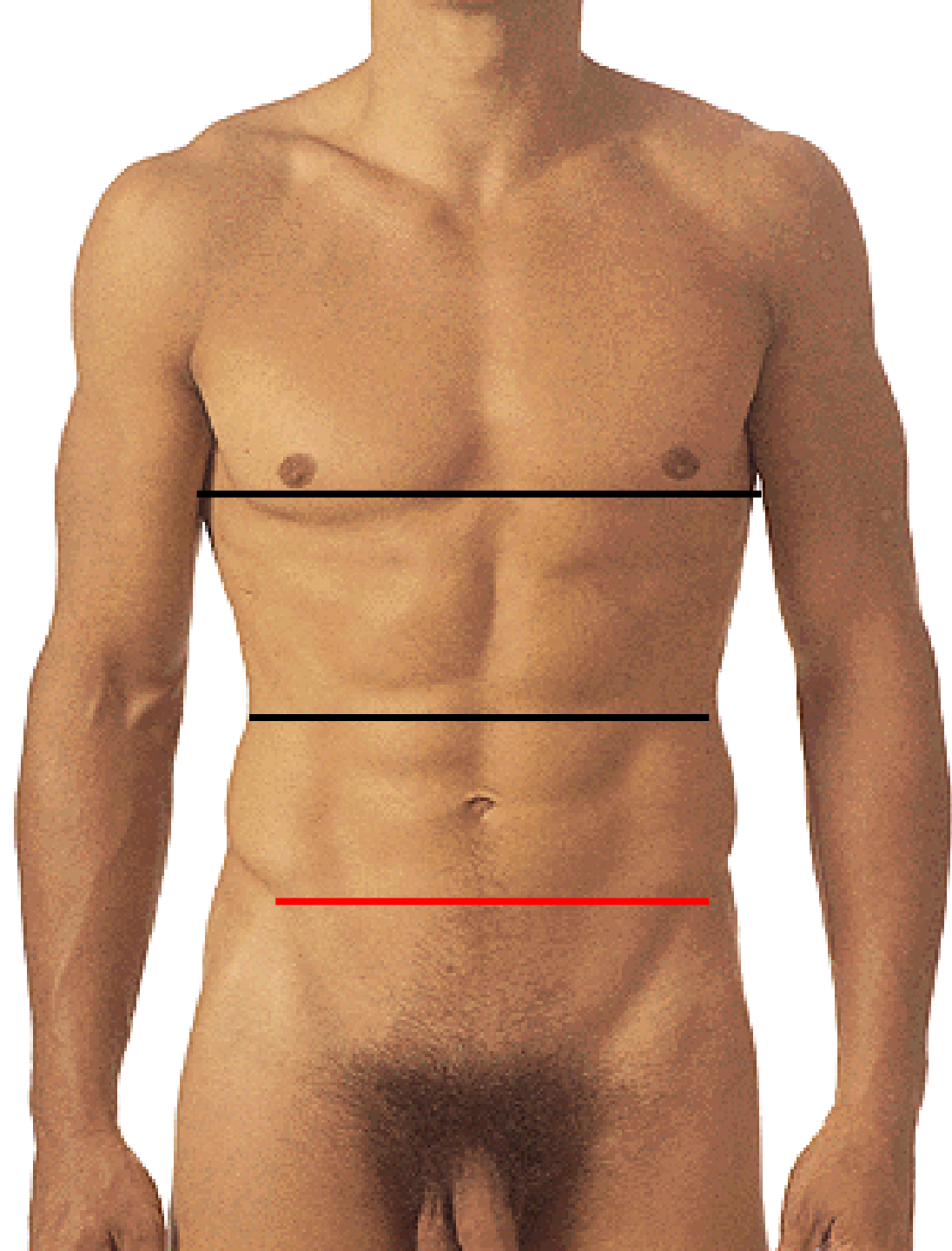
LINEA XIPHISTERNALIS



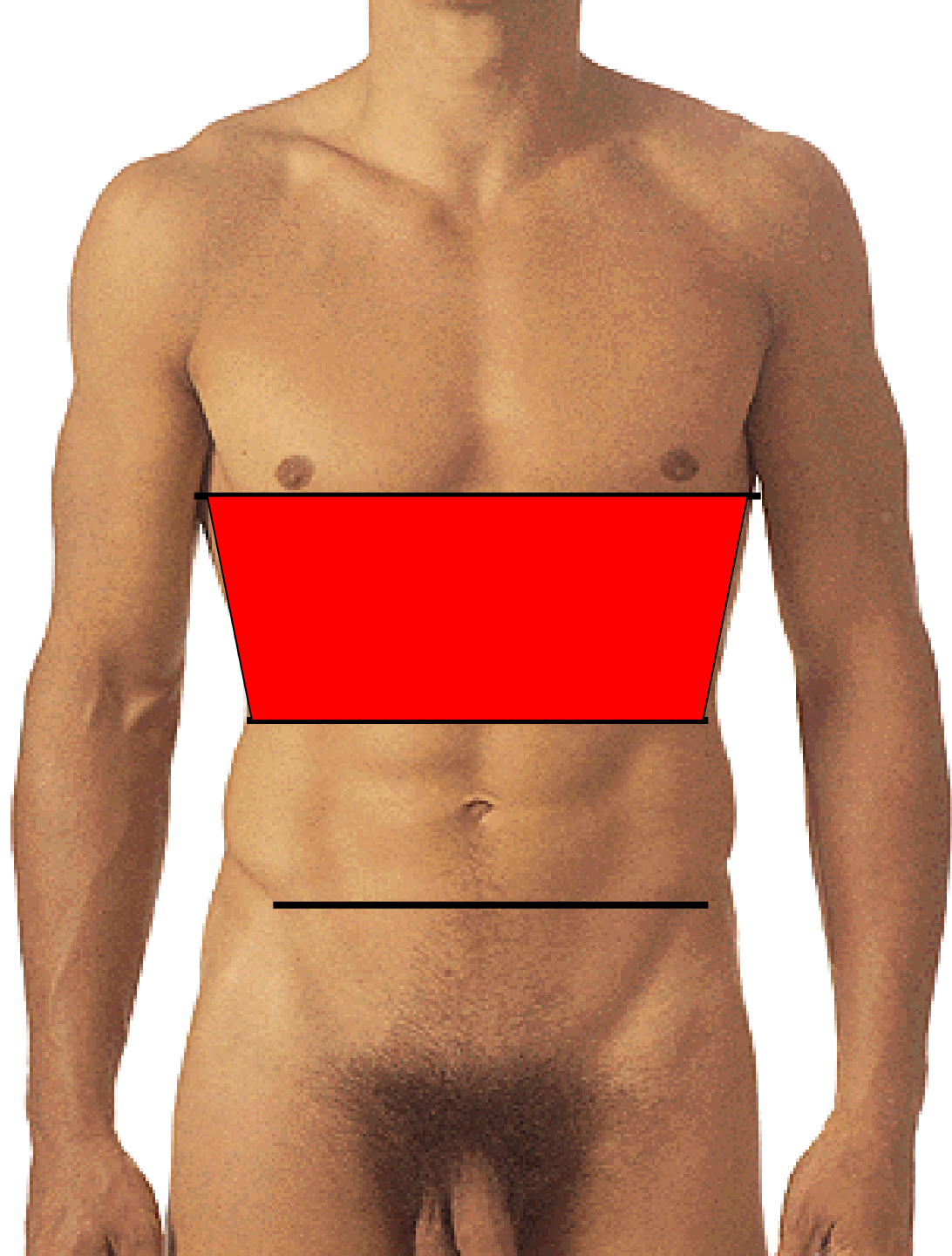
LINEA SUBCOSTALIS



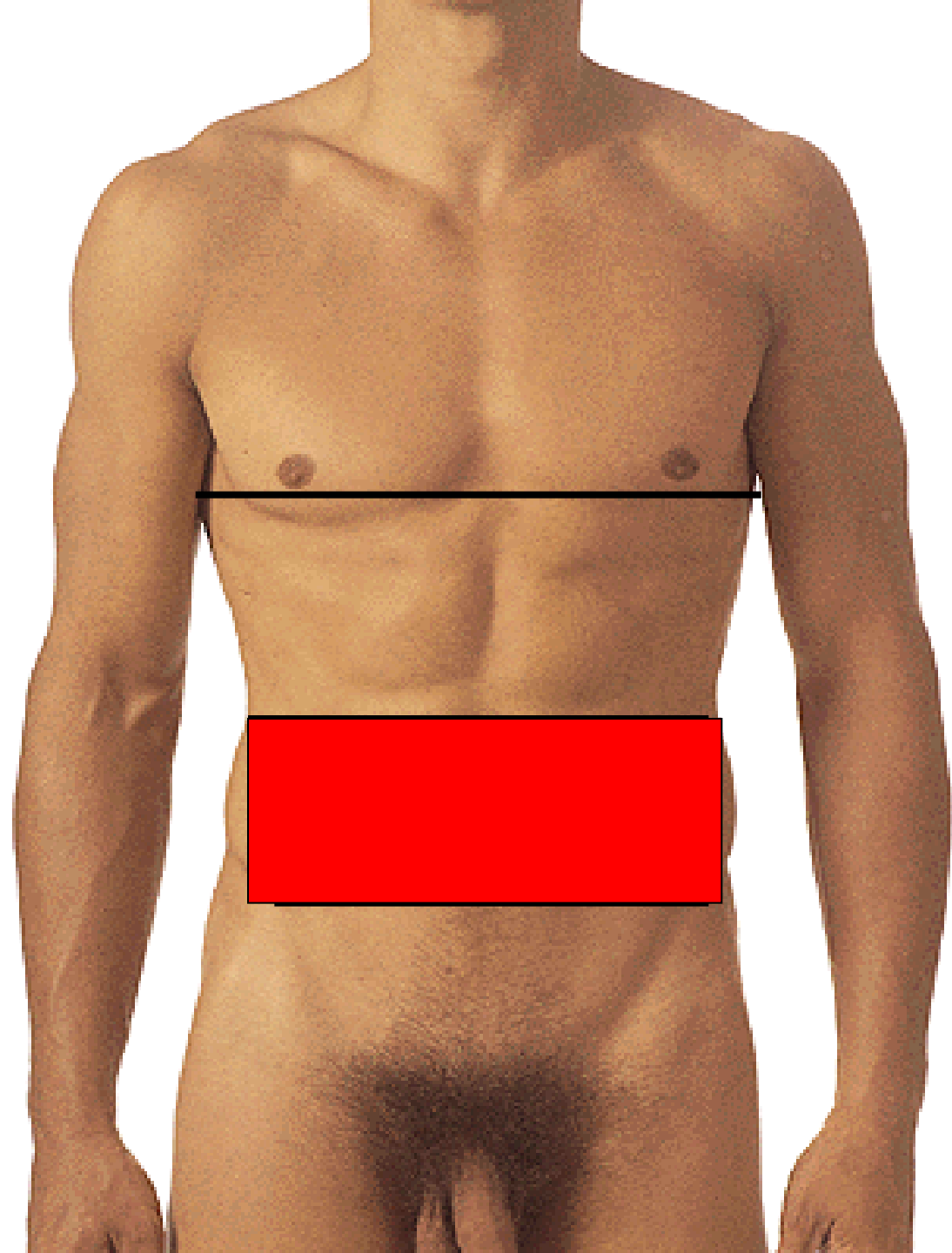
LINEA INTERSPINALIS



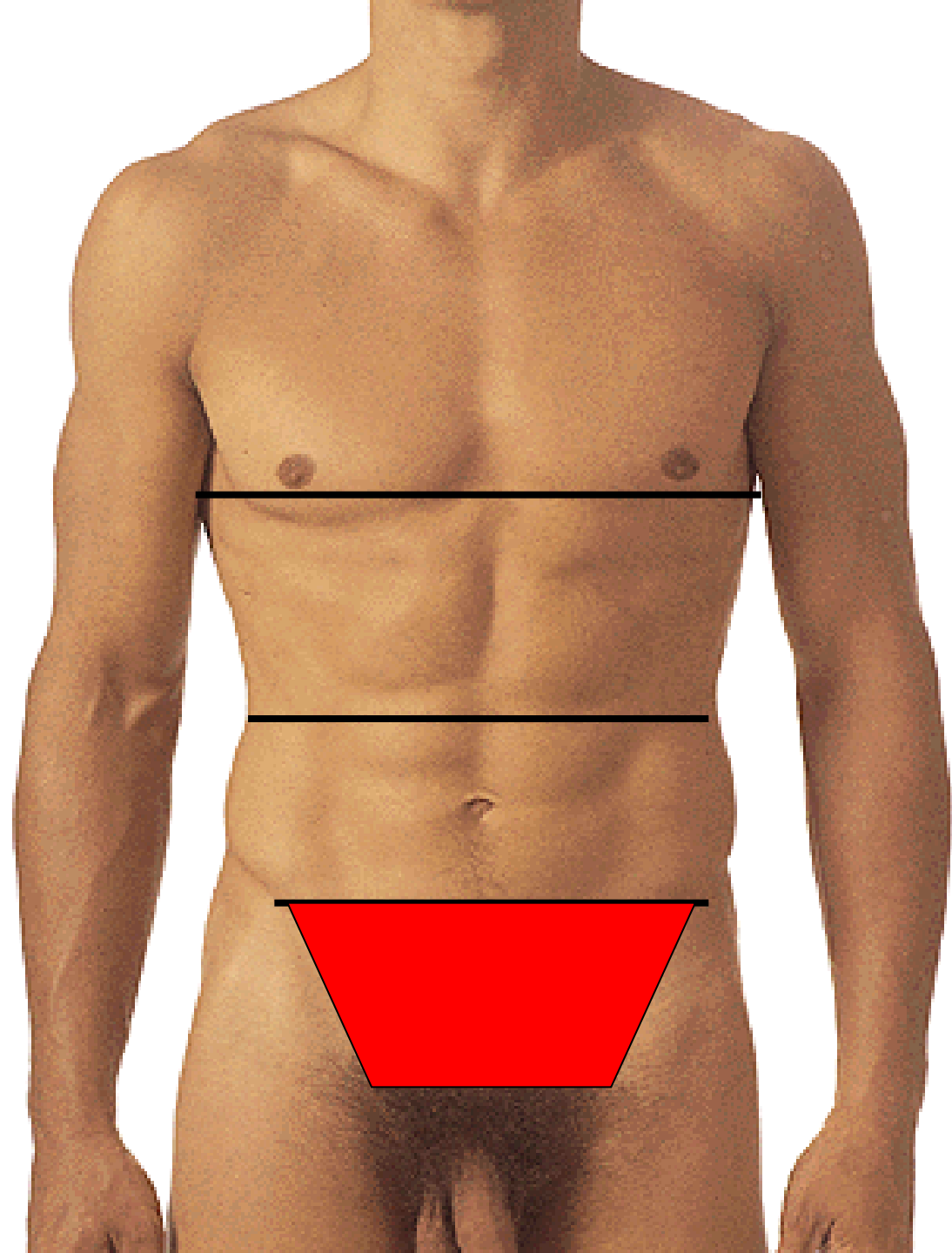
EPIGASTRIUM

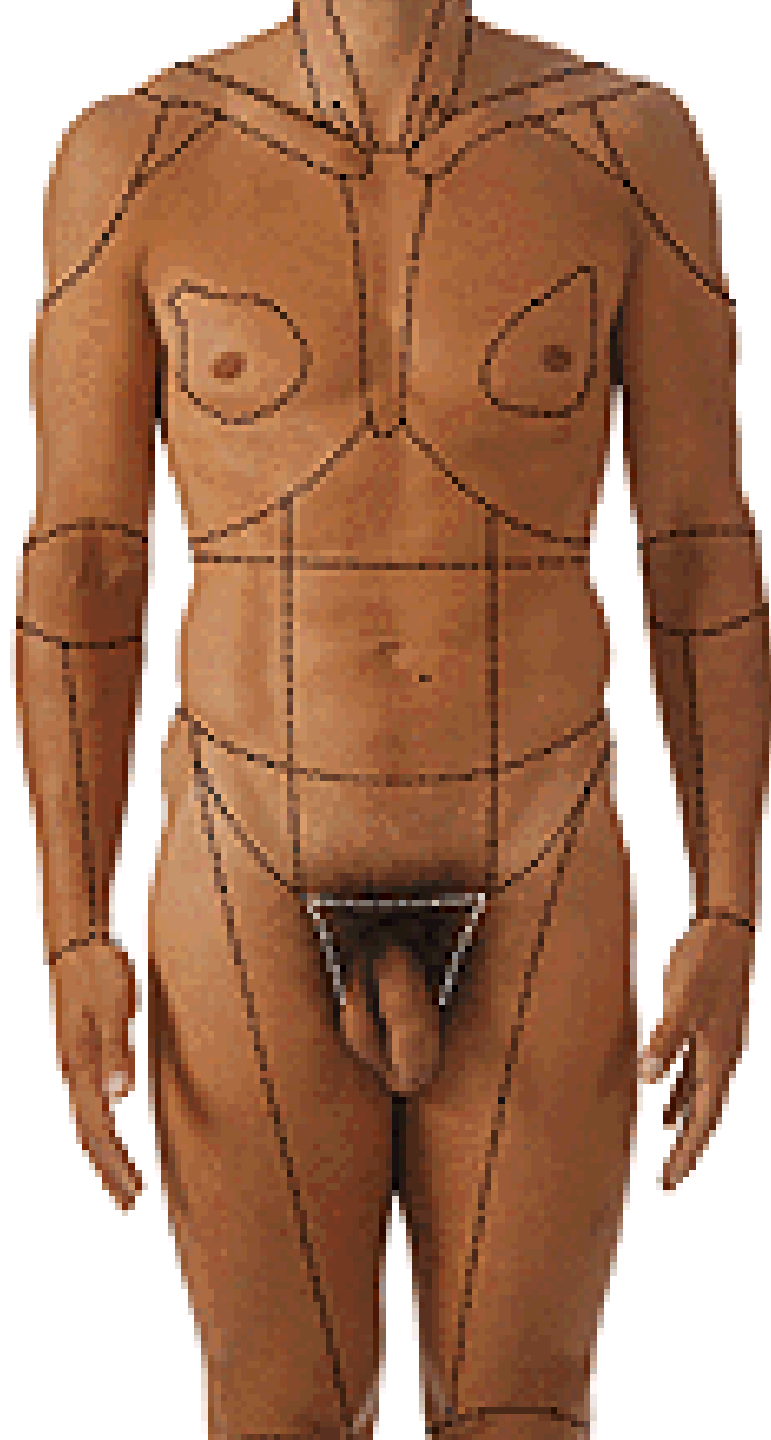


MESOGASTRIUM

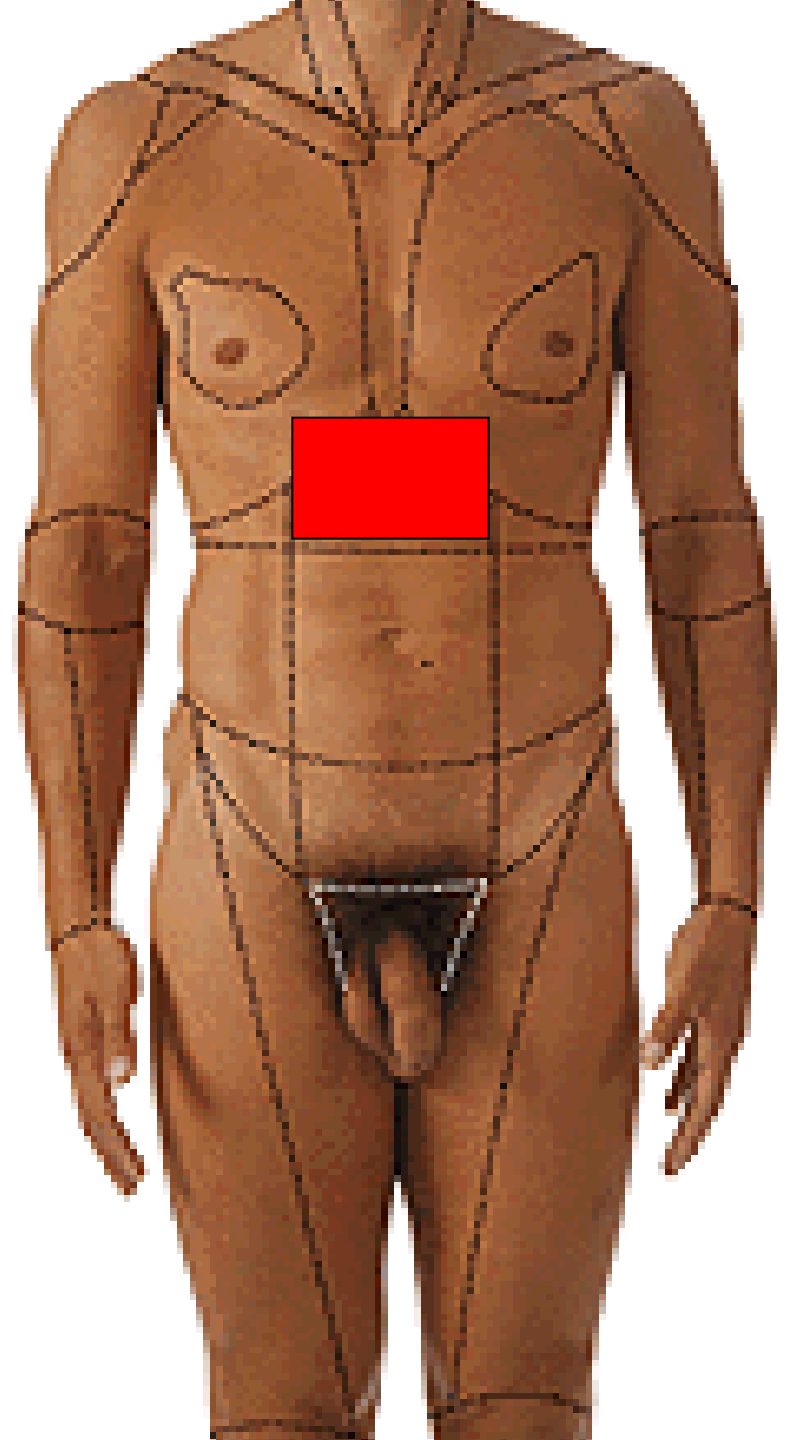


HYPOGASTRIUM

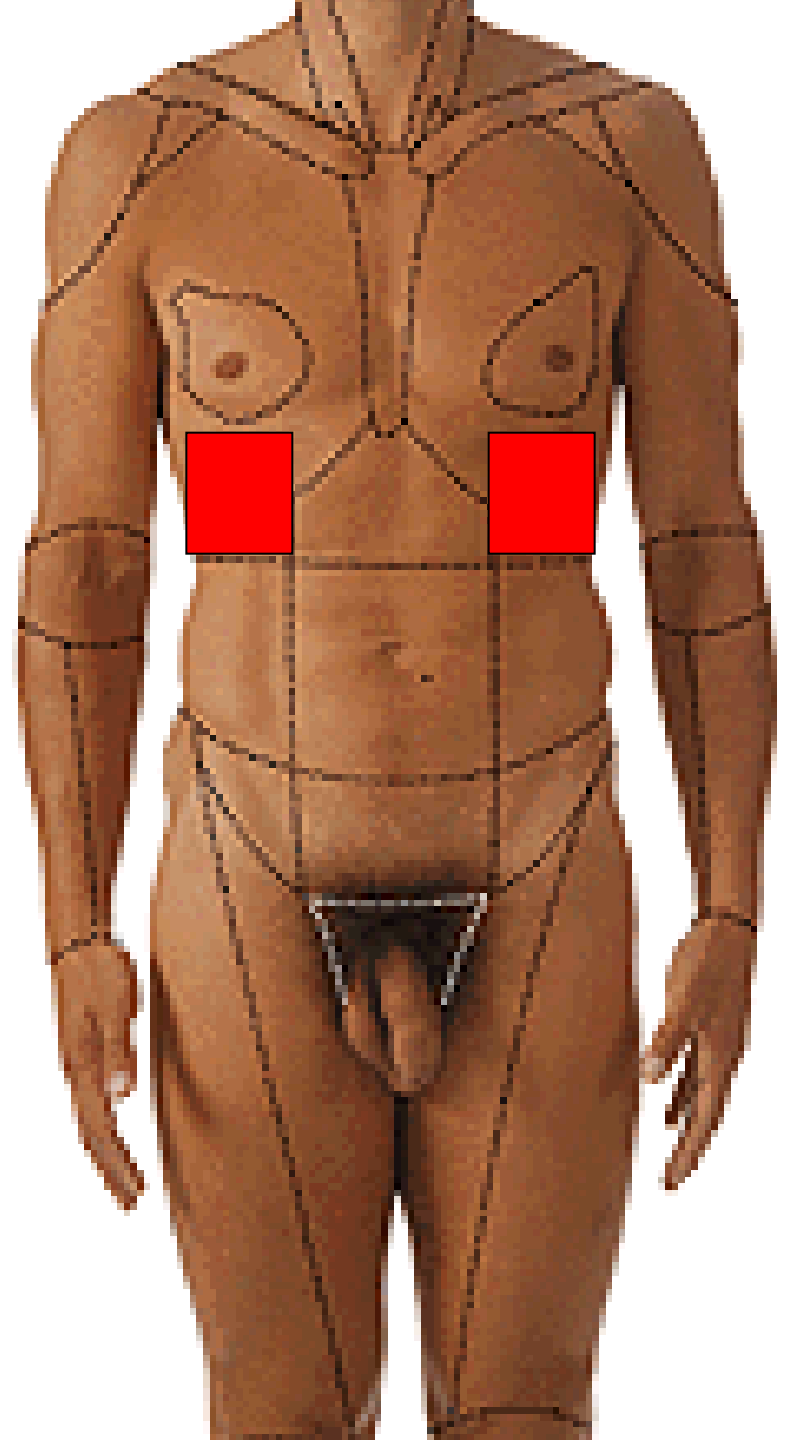




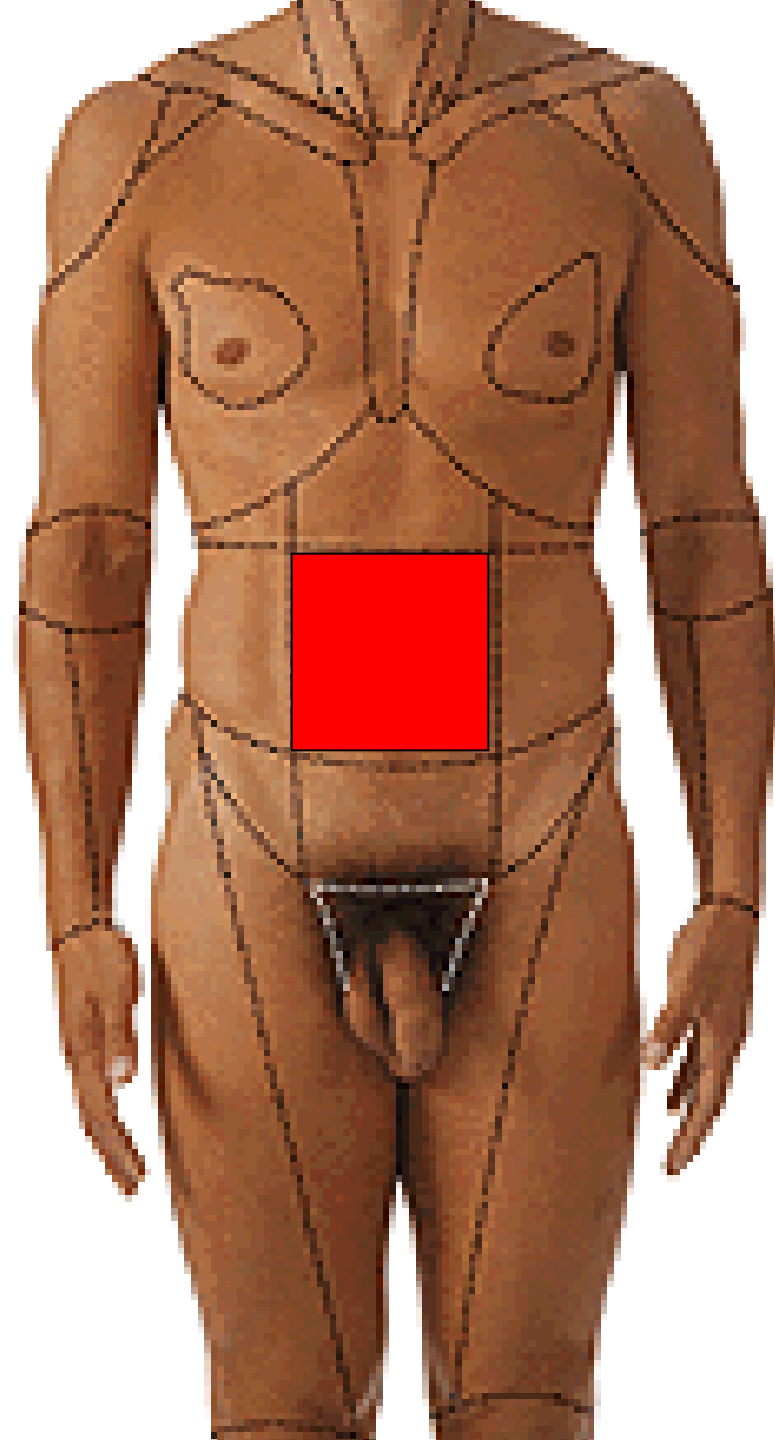
REGIO EPIGASTRICA



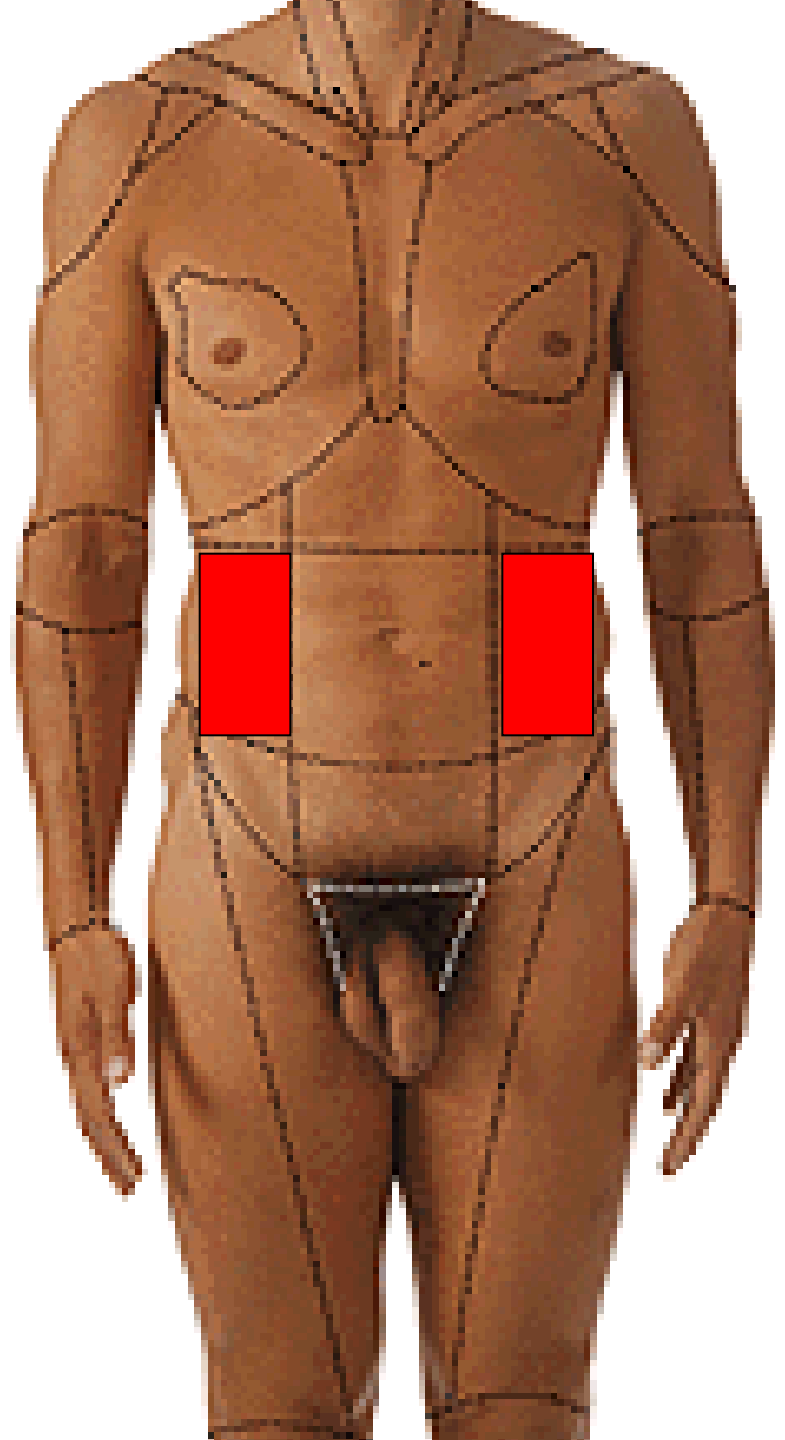
**REGIO HYPOCHONDRIACA
DEXTRA ET SINISTRA**



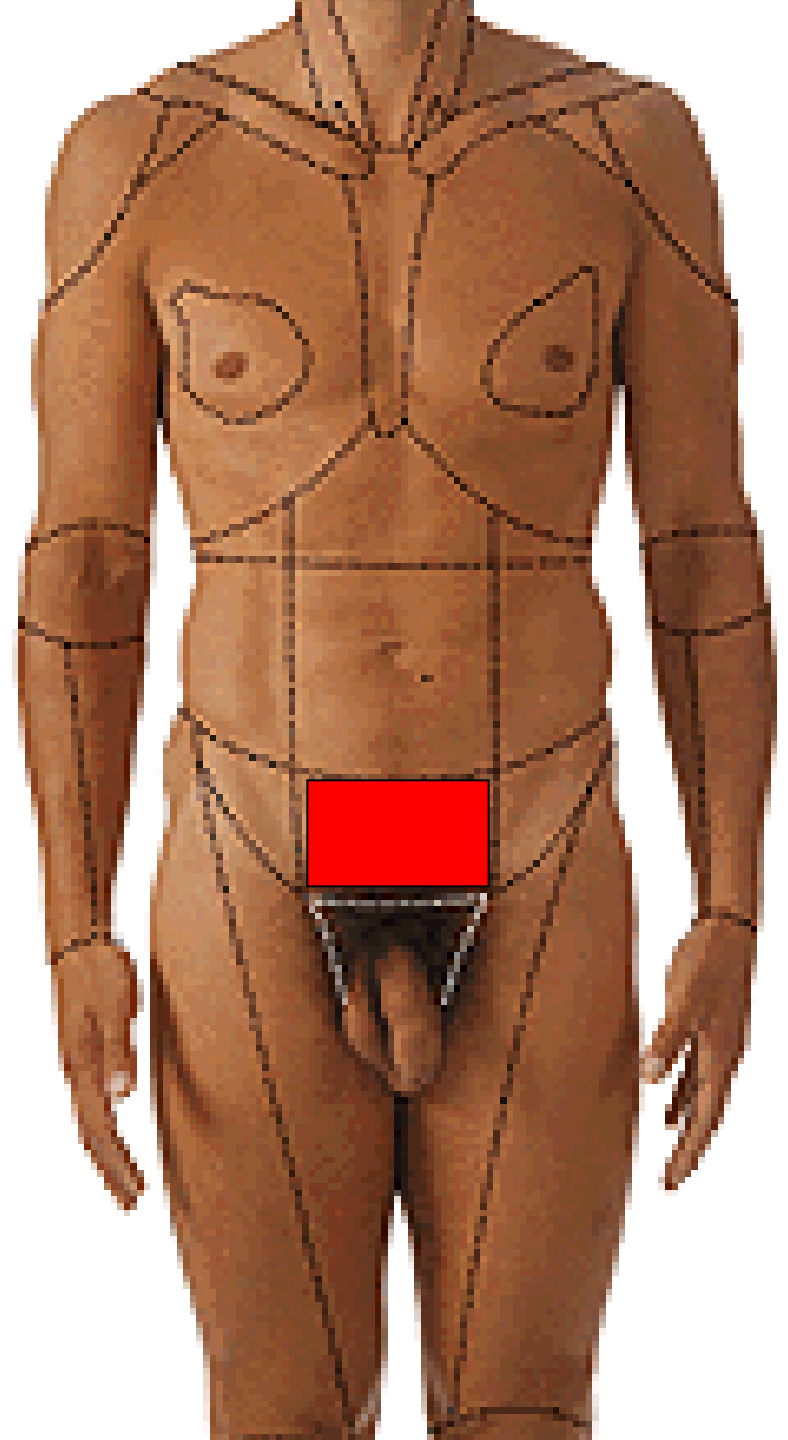
REGIO UMBILICALIS



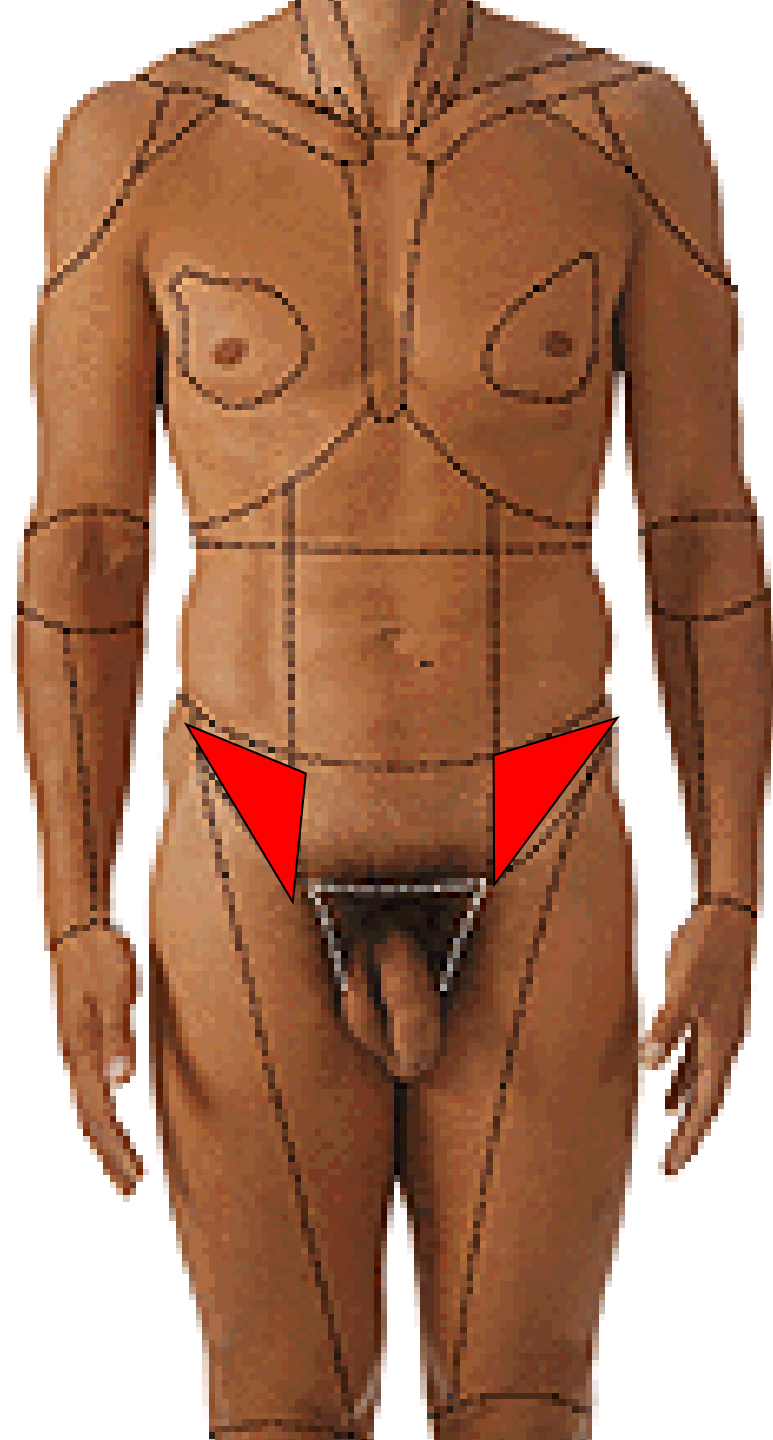
**REGIO LATERALIS
DEXTRA ET SINISTRA**



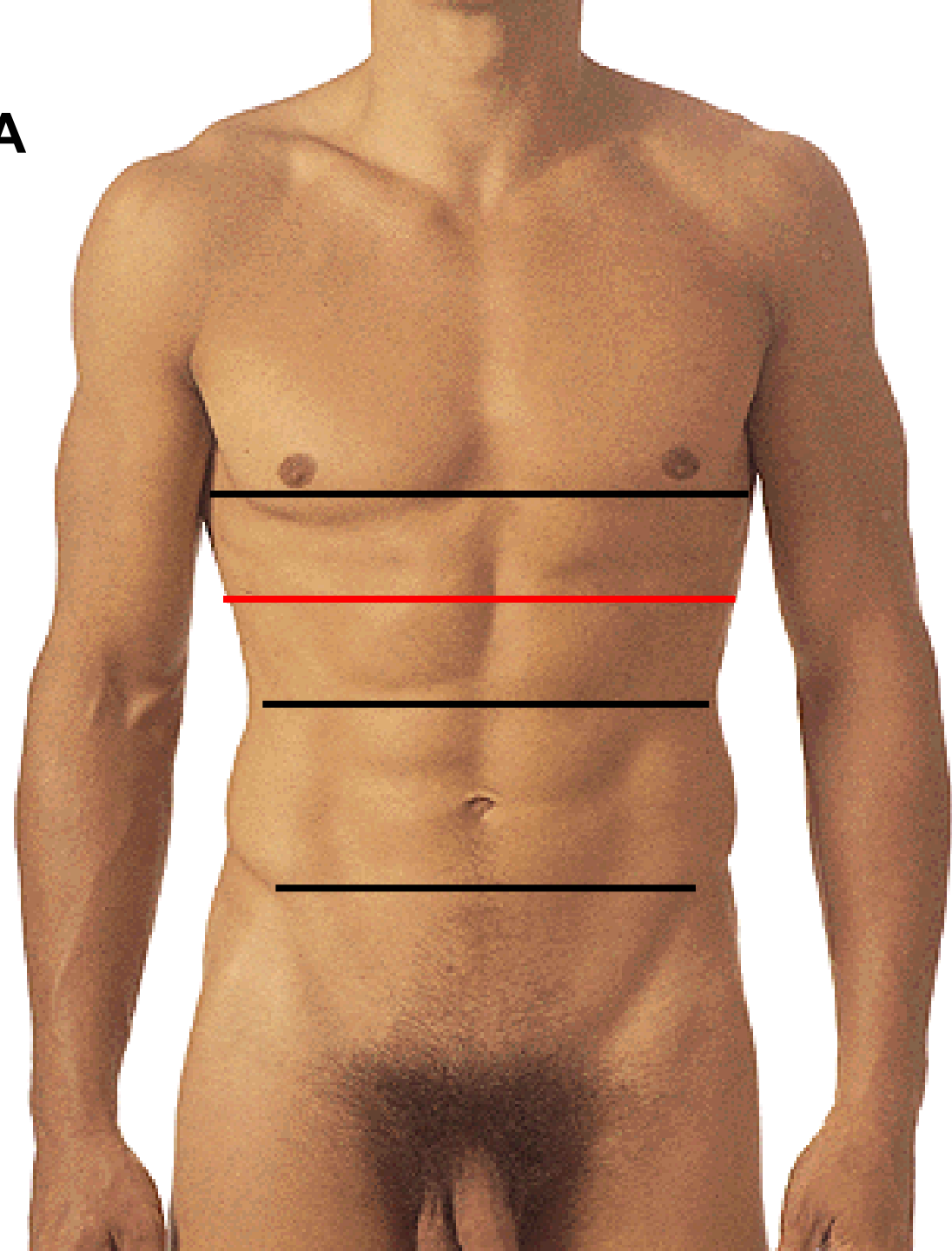
REGIO PUBICA



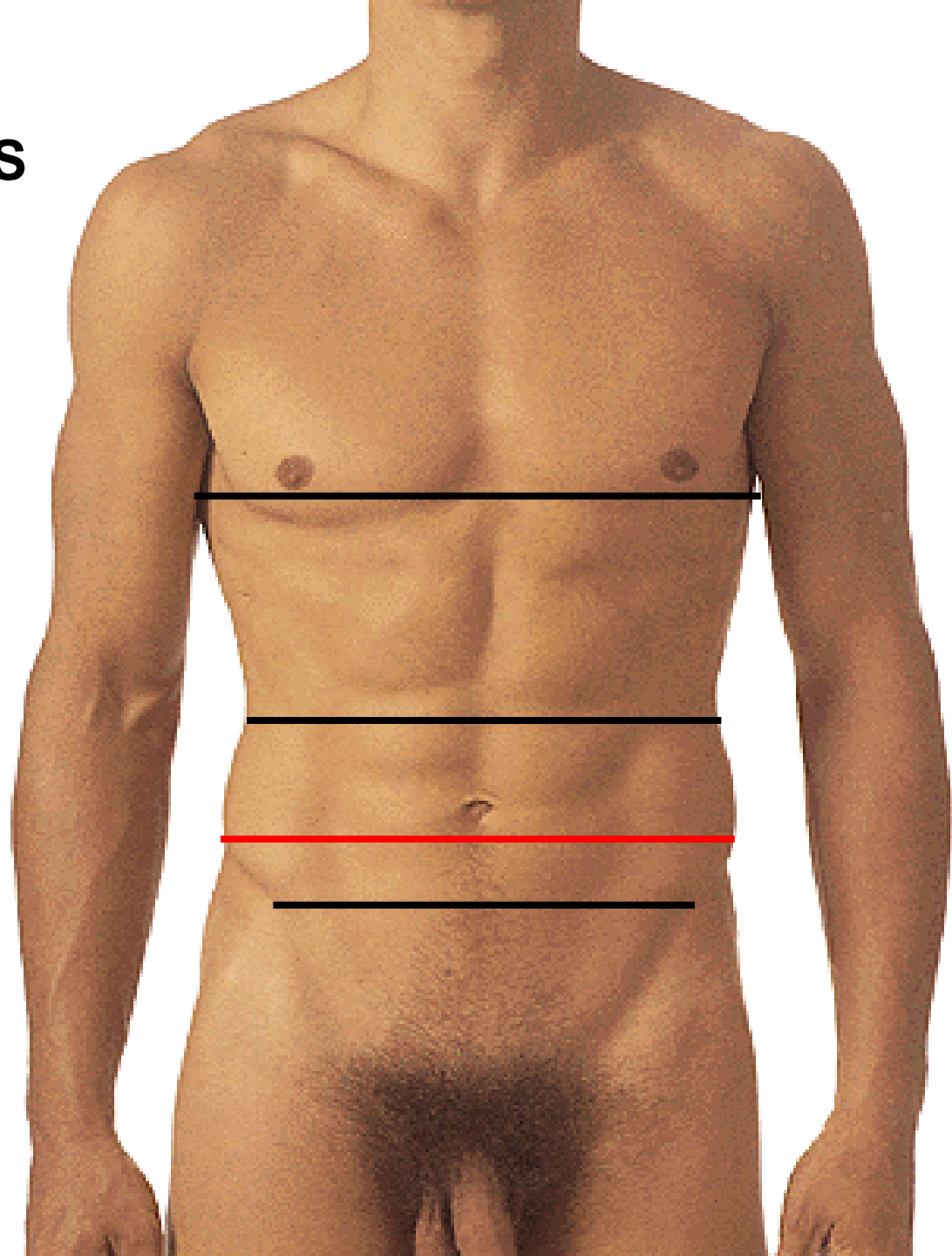
**REGIO INGUINALIS
DEXTRA ET SINISTRA**



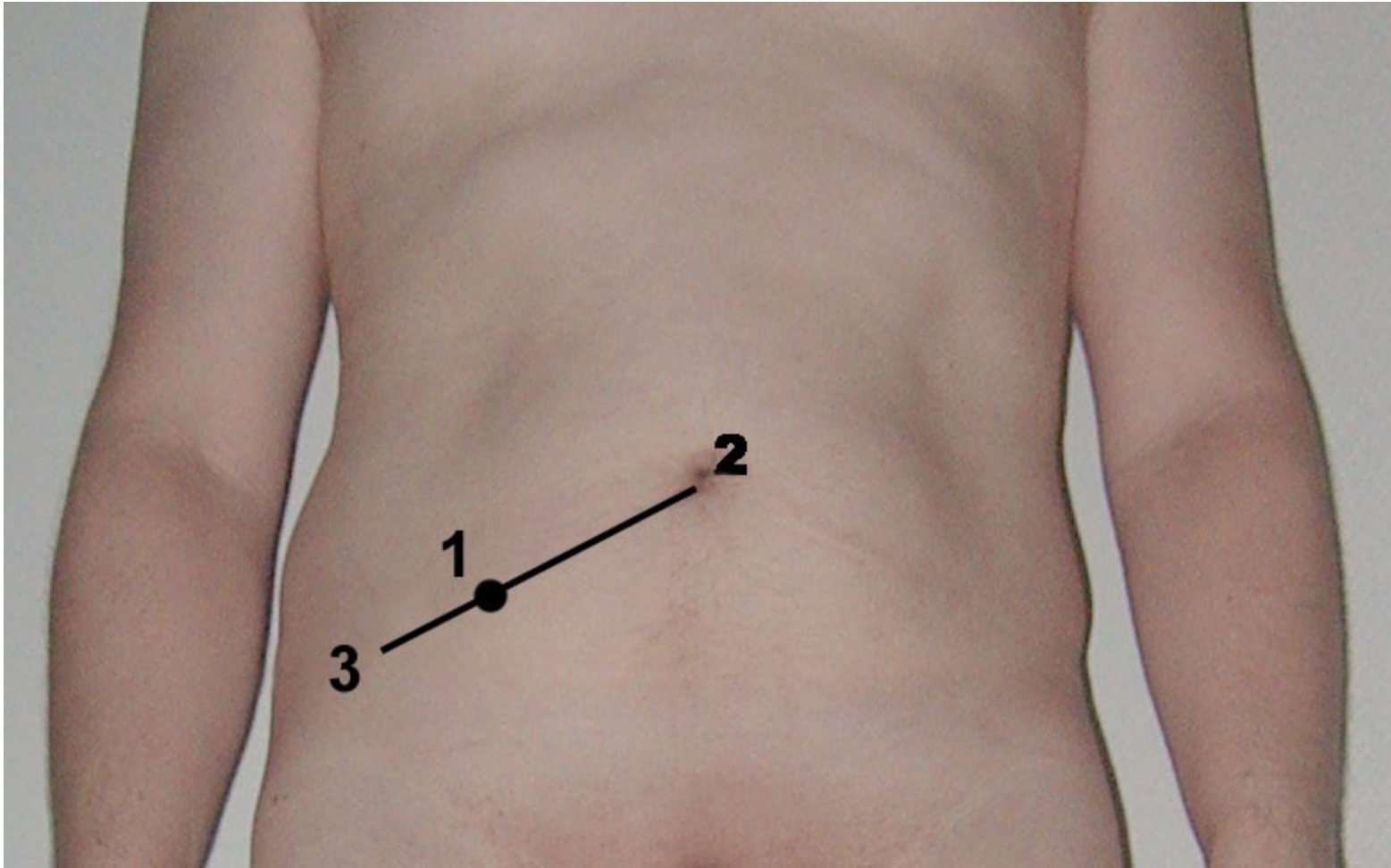
LINEA TRANSPYLORICA



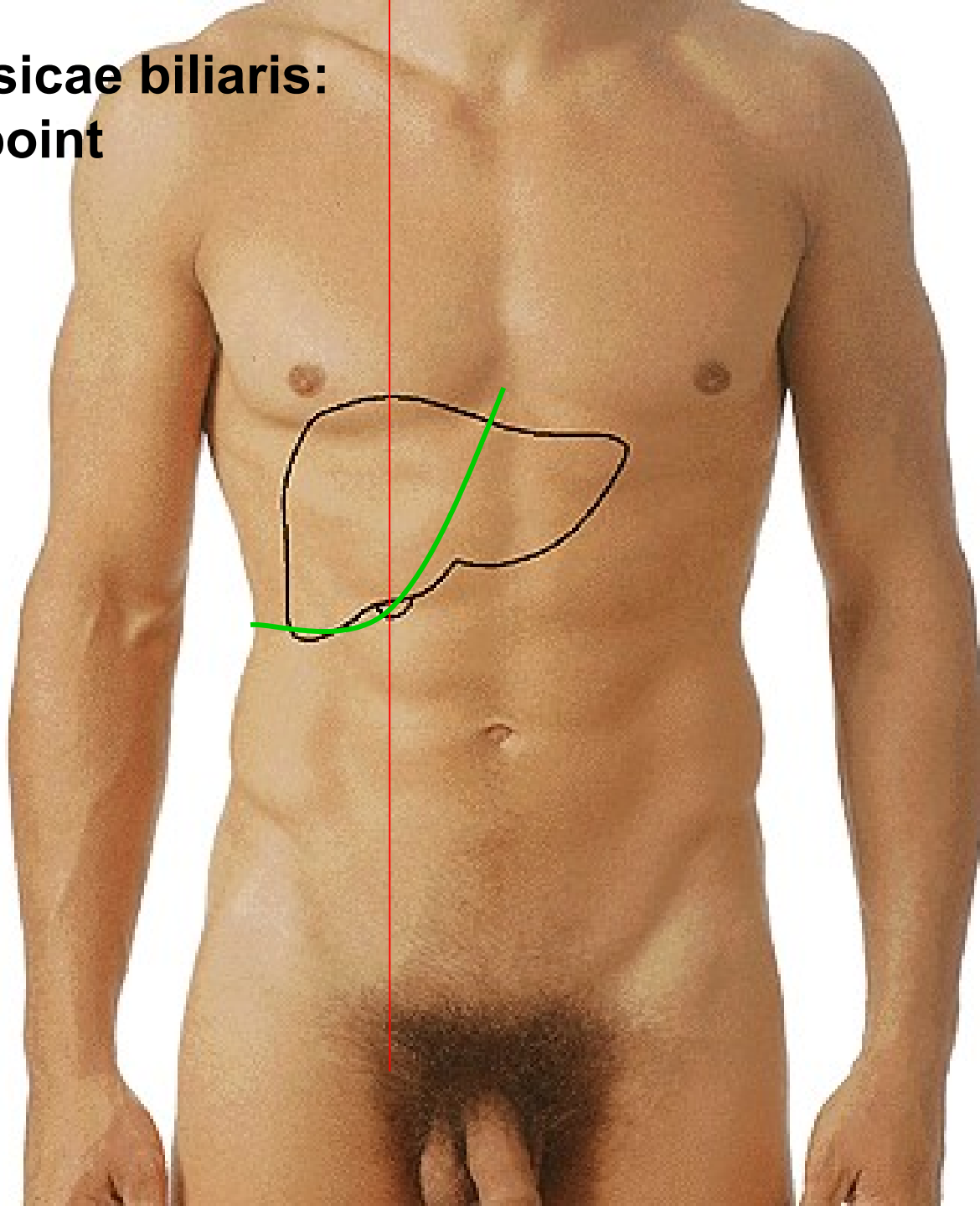
LINEA INTERCRISTALIS



Appendix vermiformis: McBurney's point (Monro's line)



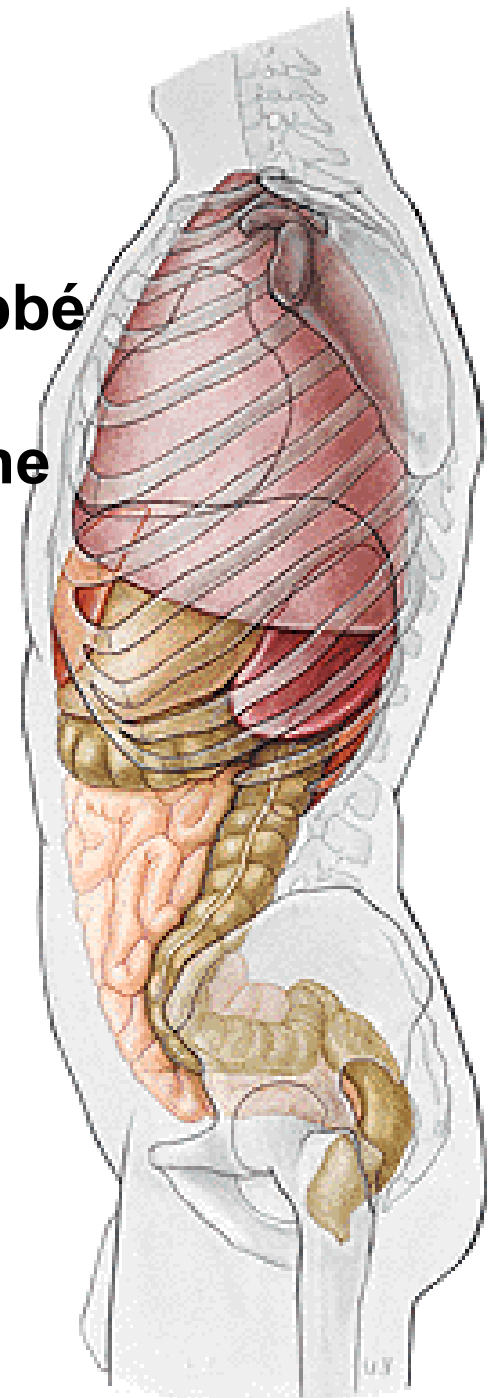
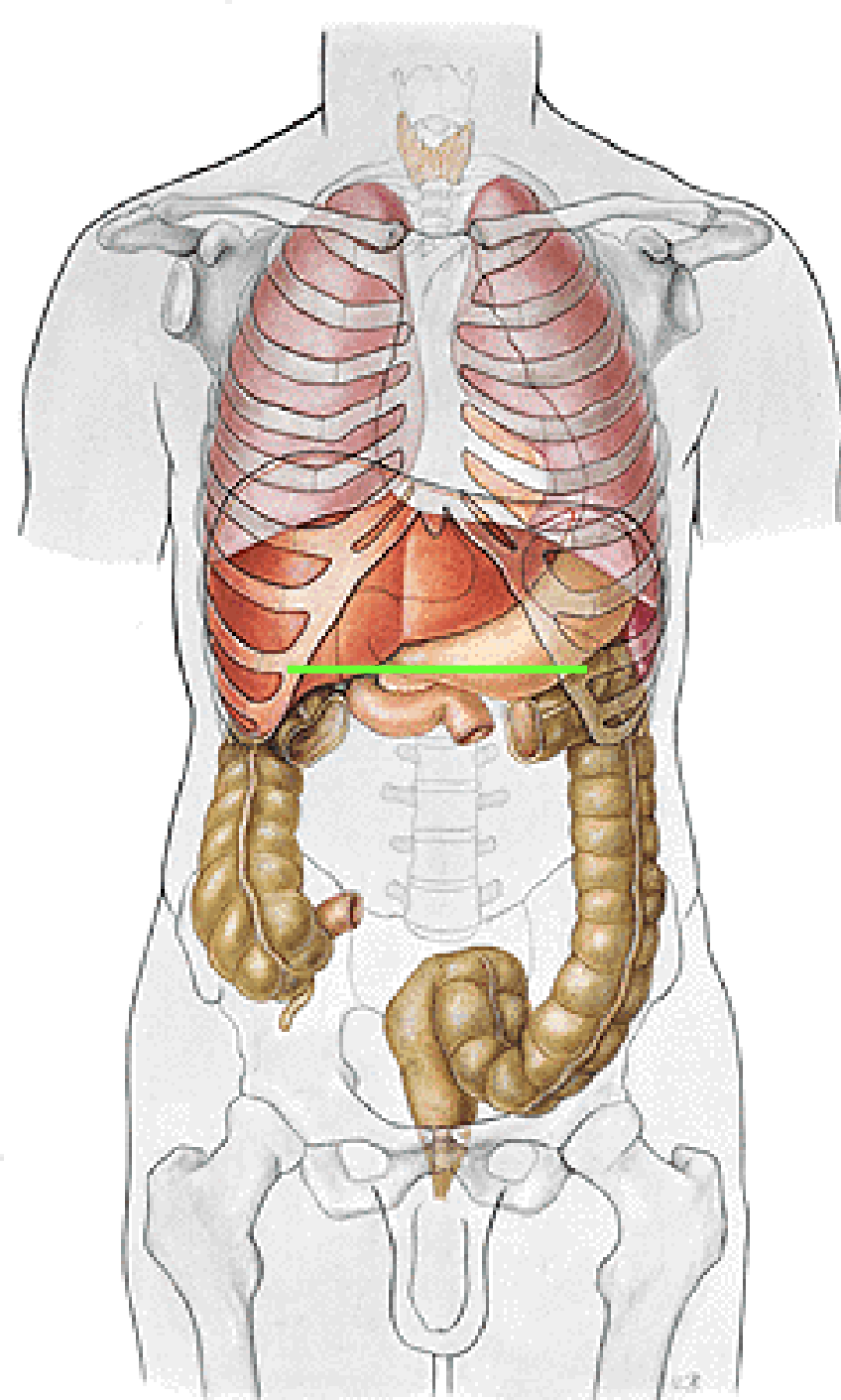
**Fundus vesicae biliaris:
Murphy's point**



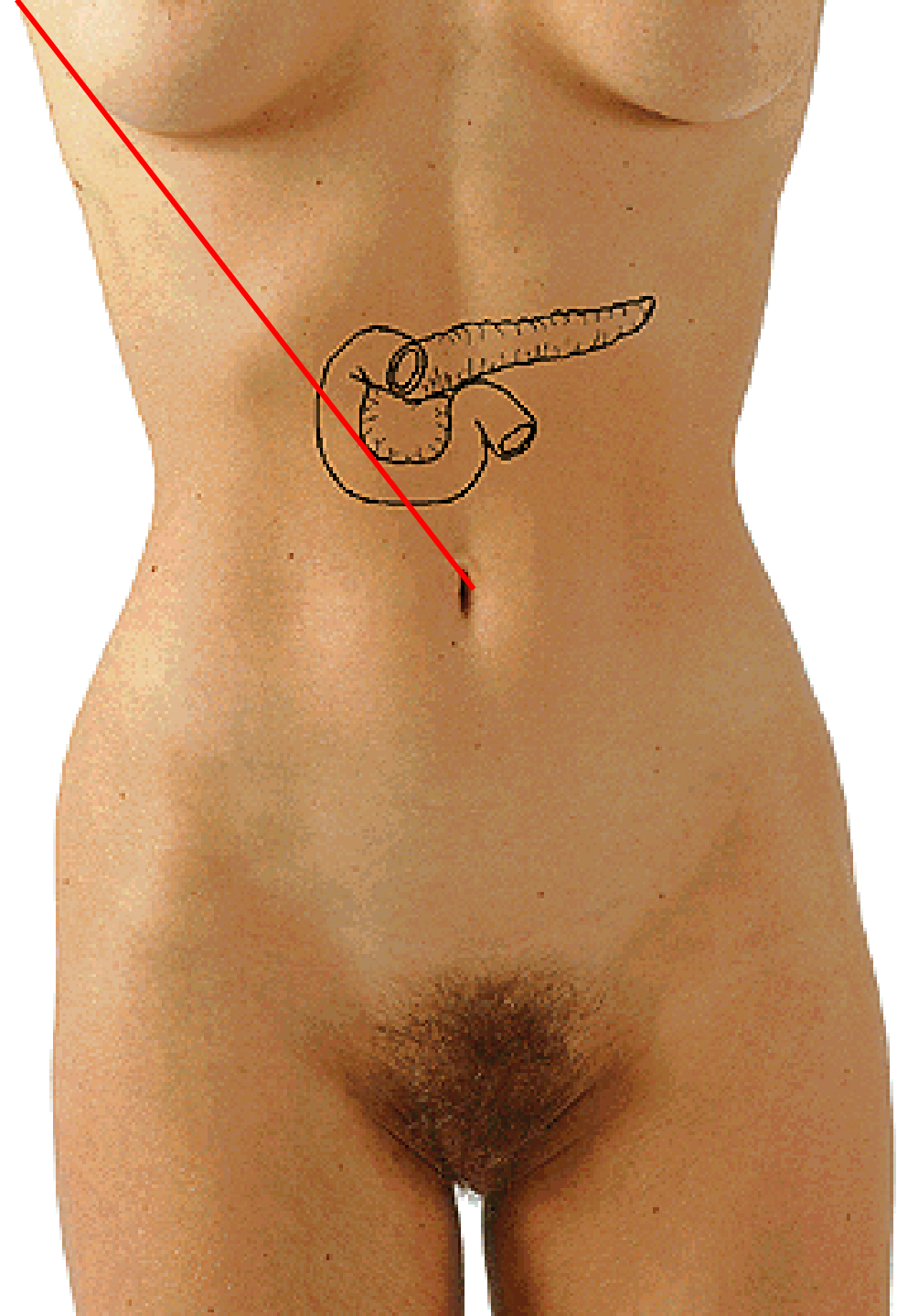
Ventriculus:

Triangle of Labbé

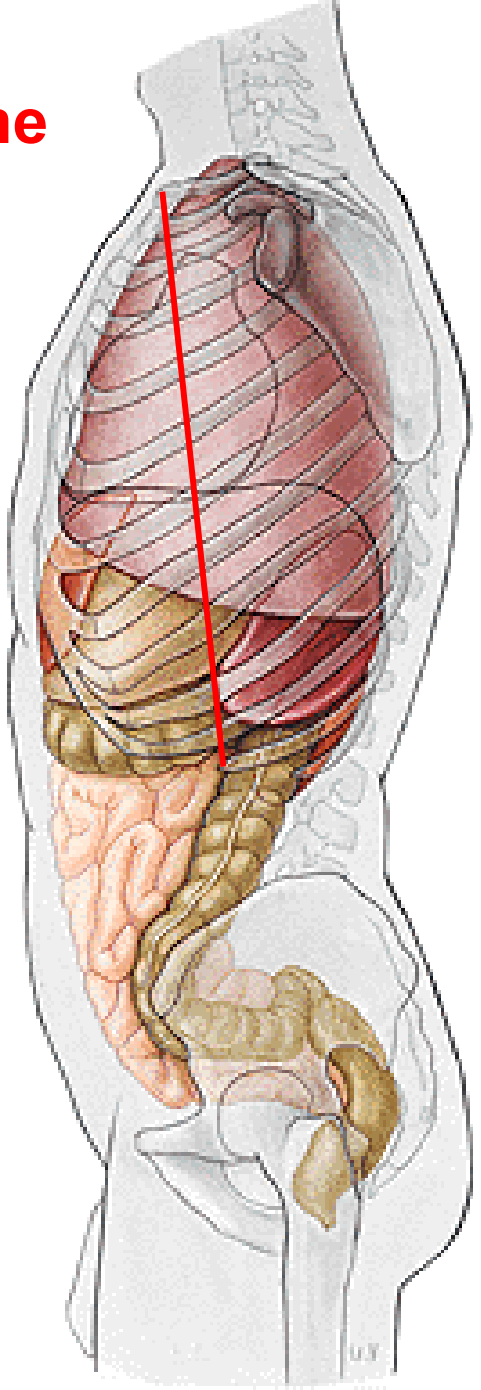
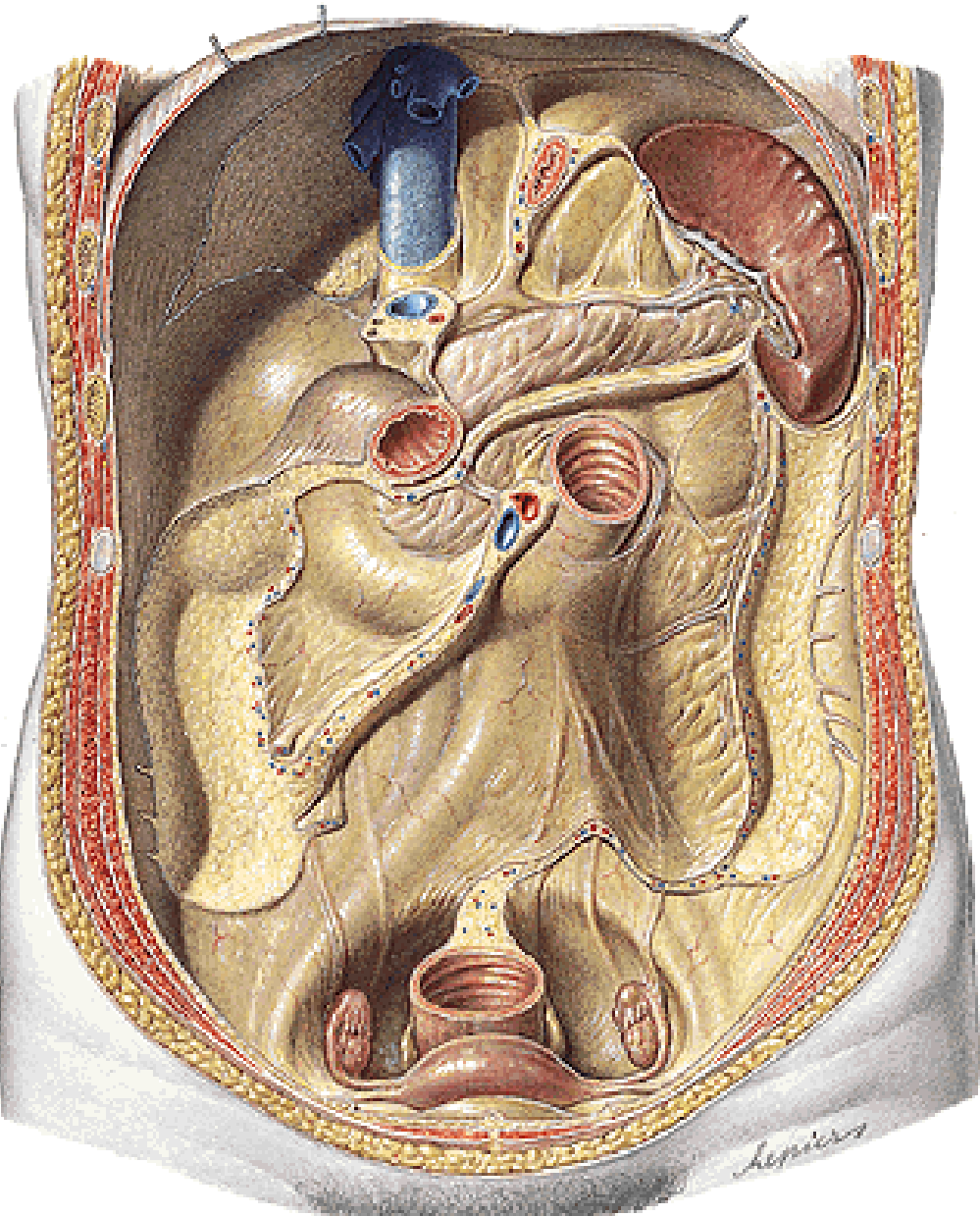
transpyloric line



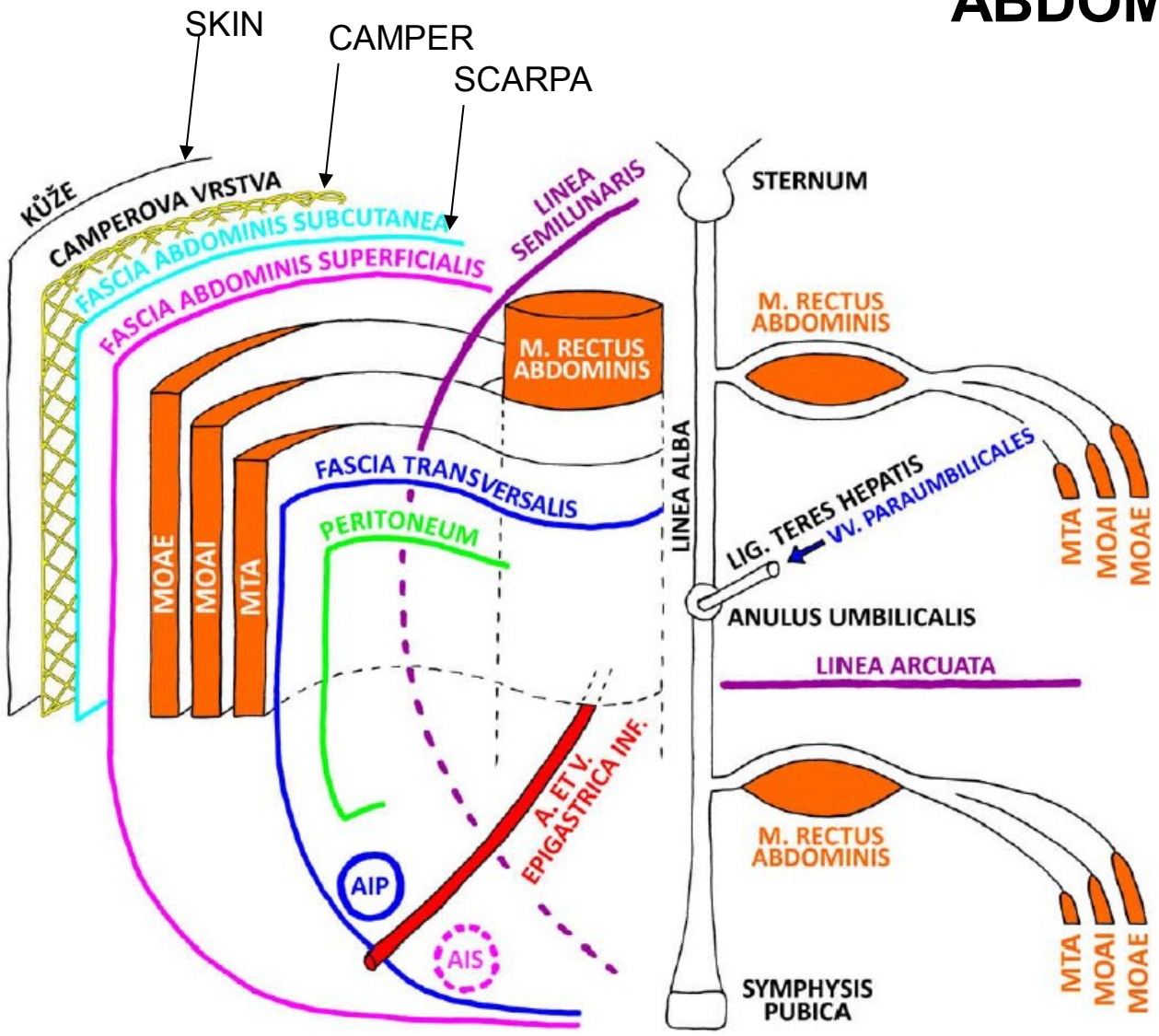
**Papilla Vateri:
Umbilico-axillary line
- point of Desjardin**



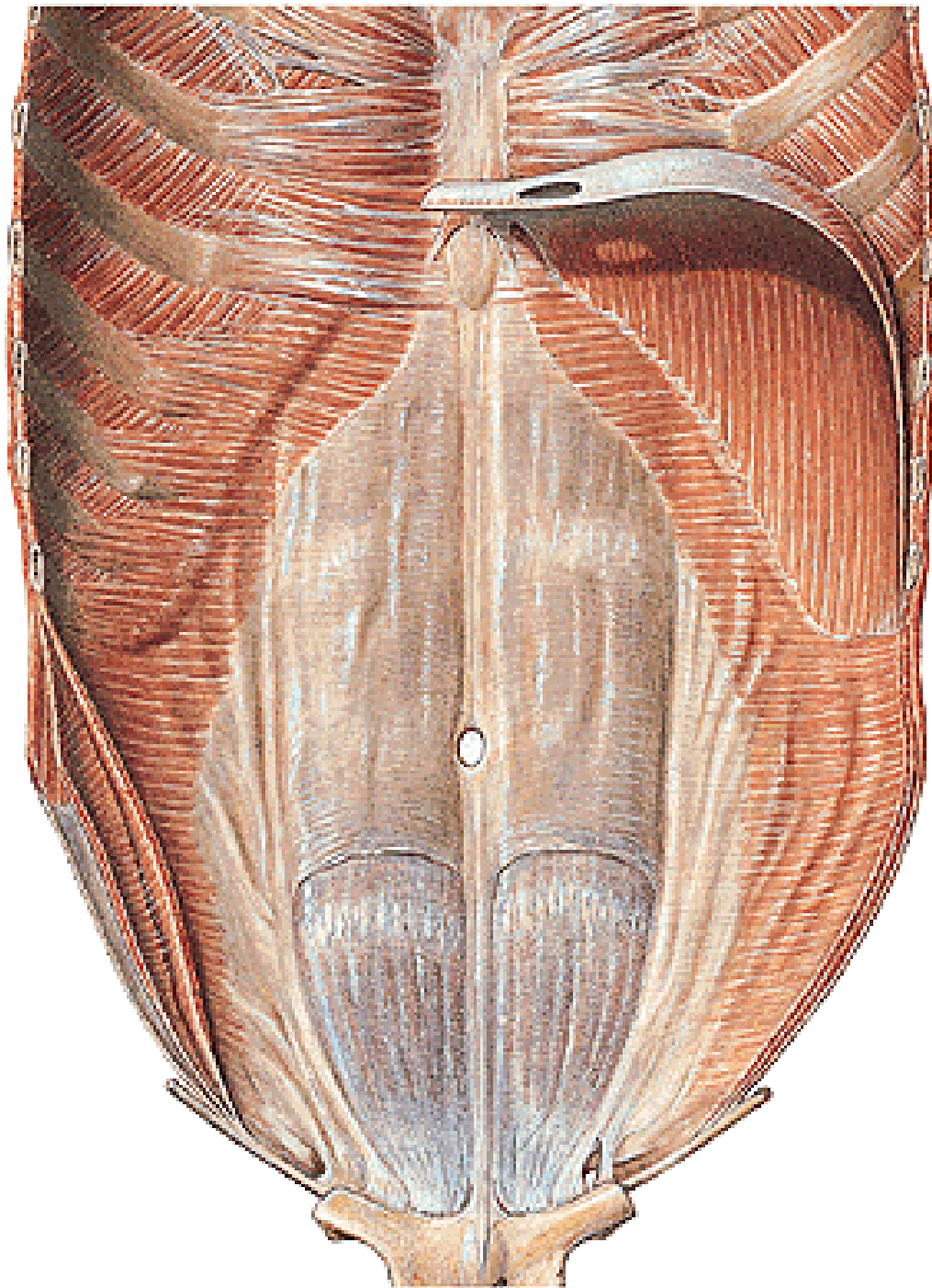
Costoarticular line



ABDOMINAL WALL



MOAE - M. OBLIQUUS ABDOMINIS EXTERNUS
 MOAI - M. OBLIQUUS ABDOMINIS INTERNUS
 MTA - M. TRANSVERSUS ABDOMINIS
 AIP - ANULUS INGUINALIS PROFUNDUS
 AIS - ANULUS INGUINALIS SUPERFICIALIS



LINEA ARCUATA

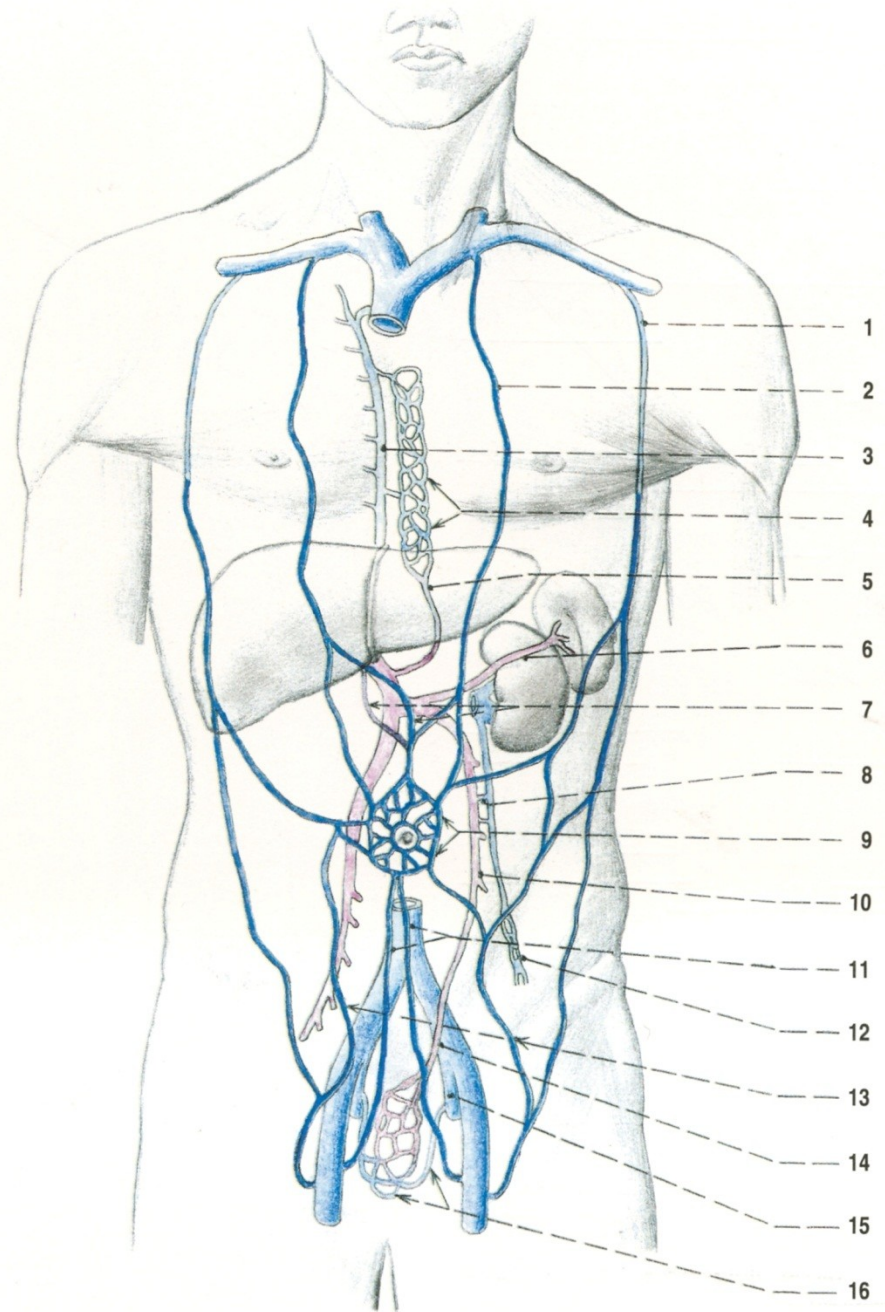
VV. SUBCUTANEAEE ABD.

V. THORACOEPIGASTRICA

V. EPIGASTRICA SPF.

V. CIRCUMFLEXA ILIUM SPF.

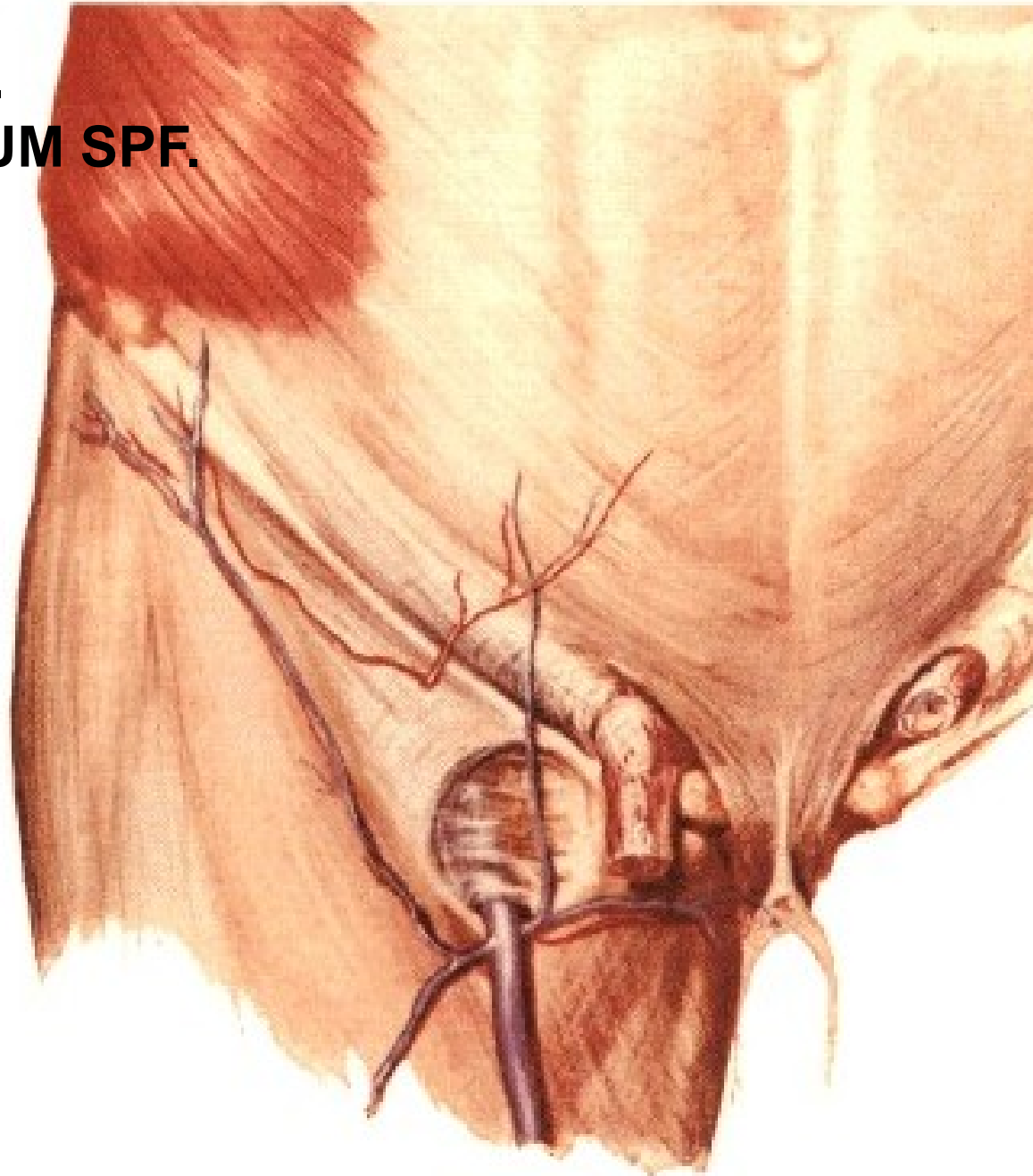
VV. PARAUMBILICALES



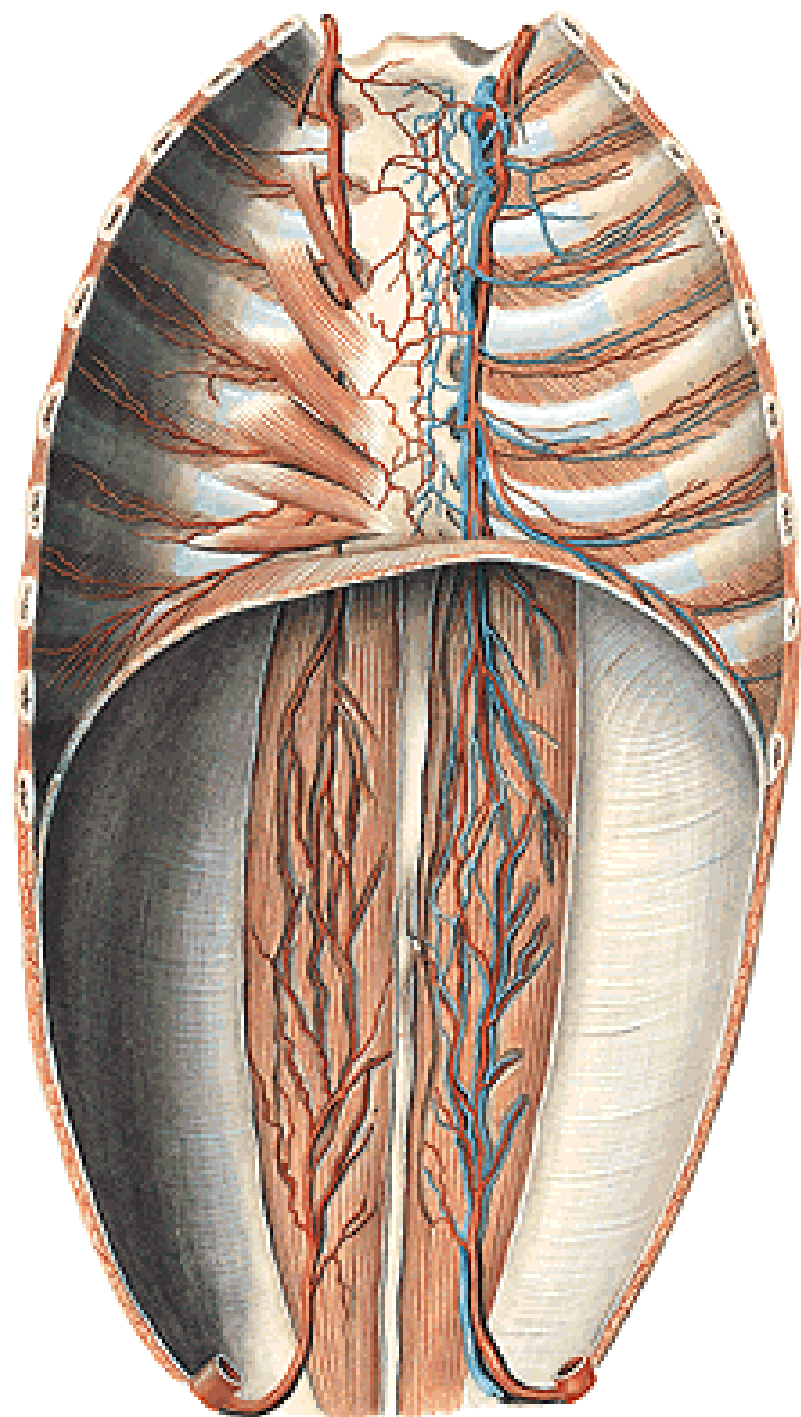
Caput medusae



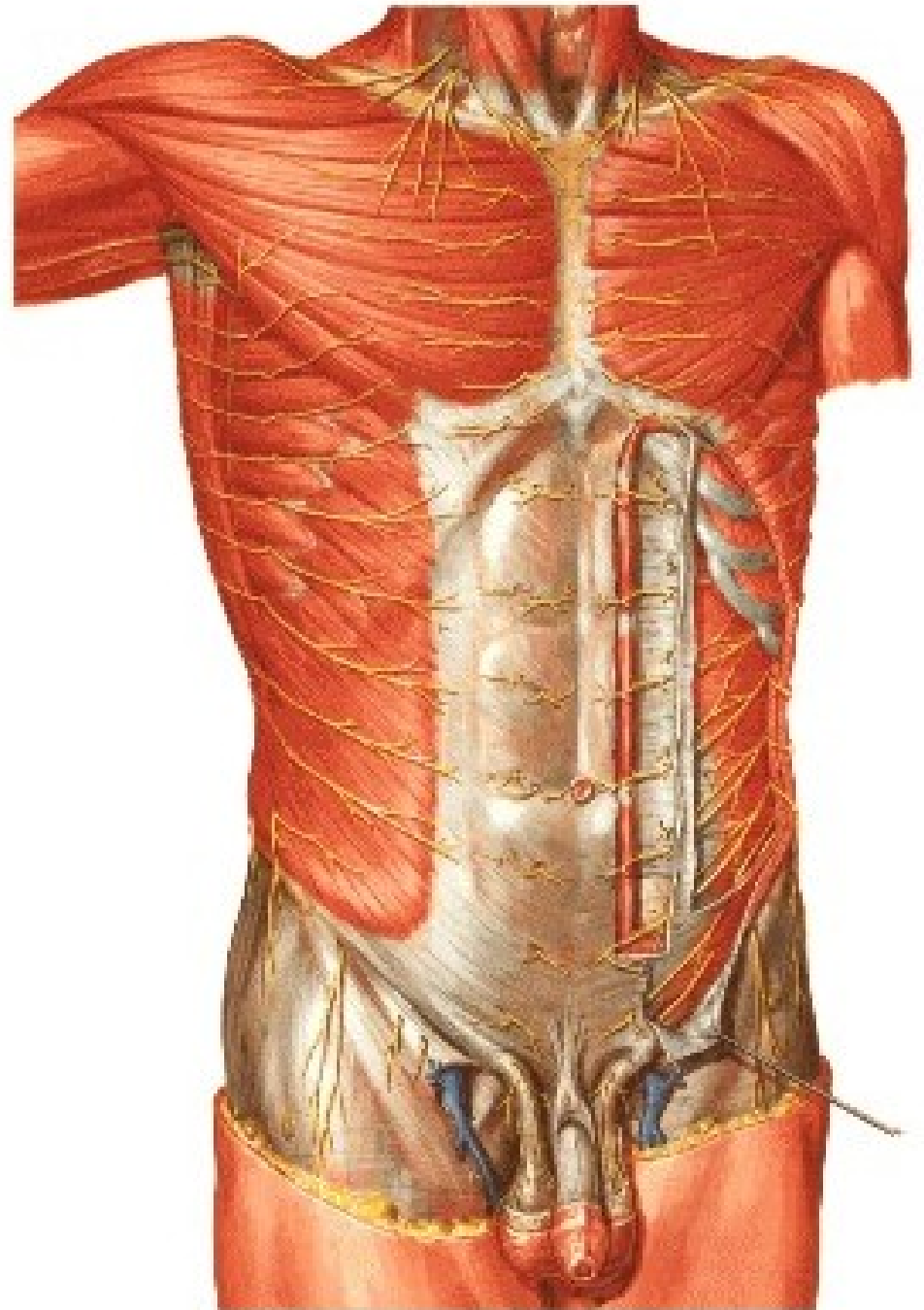
A. EPIGASTRICA SPF.
A. CIRCUMFLEXA ILIUM SPF.
AA. INTERCOSTALES
A. SUBCOSTALIS
AA. LUMBALES



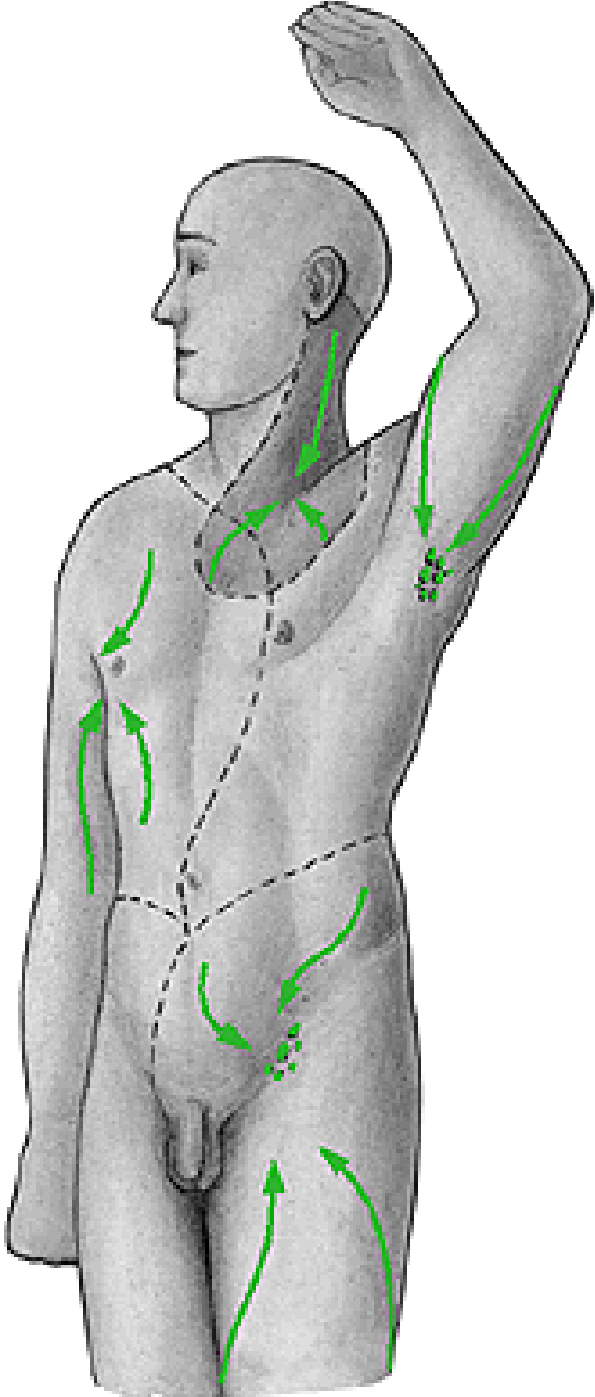
A. EPIGASTRICA SUP.
A. EPIGASTRICA INF.
A. CIRCUMFLEXA ILIUM PROF.
AA. INTERCOSTALES
A. SUBCOSTALIS
AA. LUMBALES



NN. INTERCOSTALES
N. SUBCOSTALIS
N. ILIOHYPOGASTRICUS
N. ILIOINGUINALIS



NODI LYMPHATICI AXILLARES
NODI LYMPHATICI INGUINALES SPF.



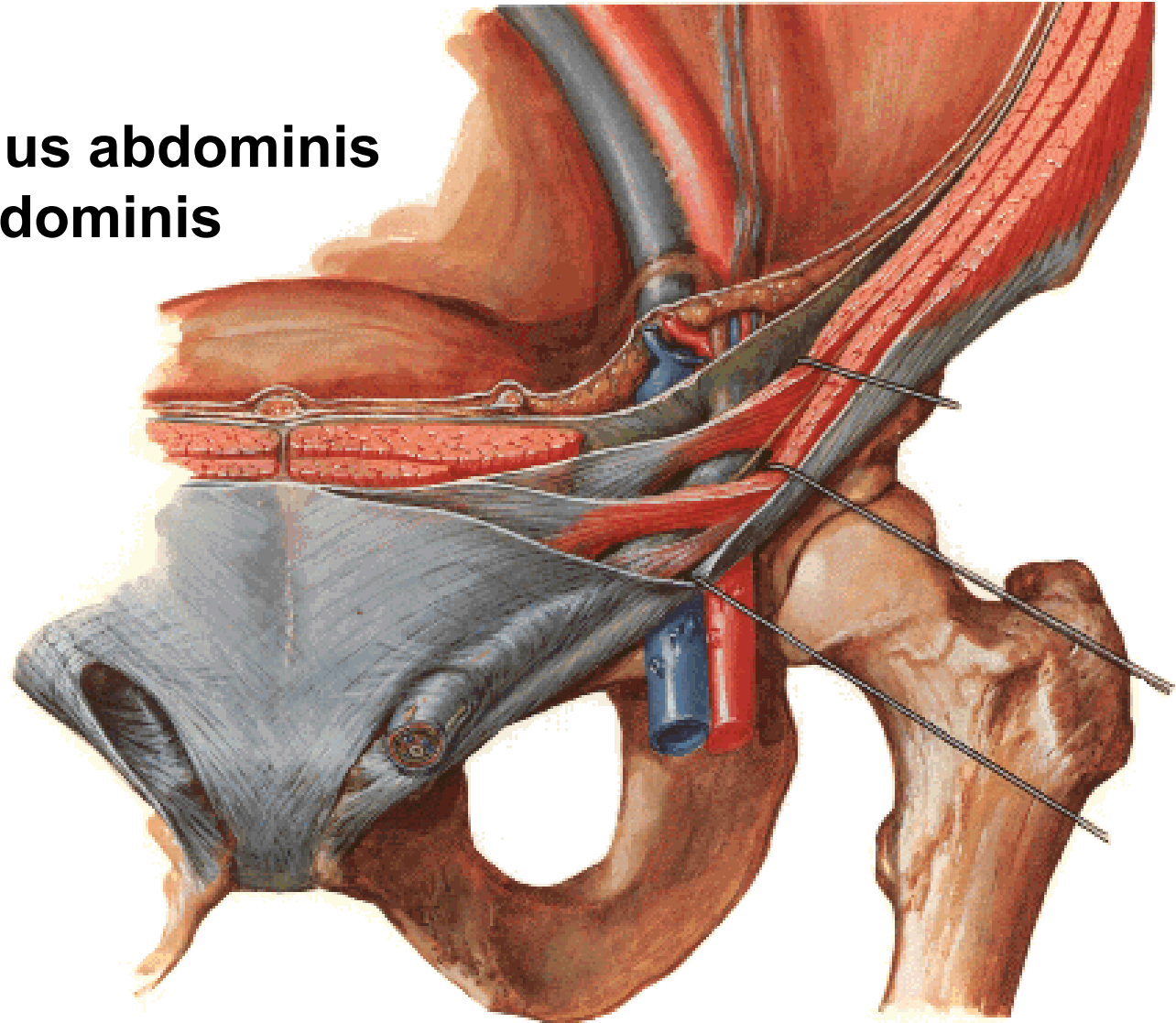
CANALIS INGUINALIS

Superior wall:

M. obliquus internus abdominis

M. transversus abdominis

- **M. cremaster**

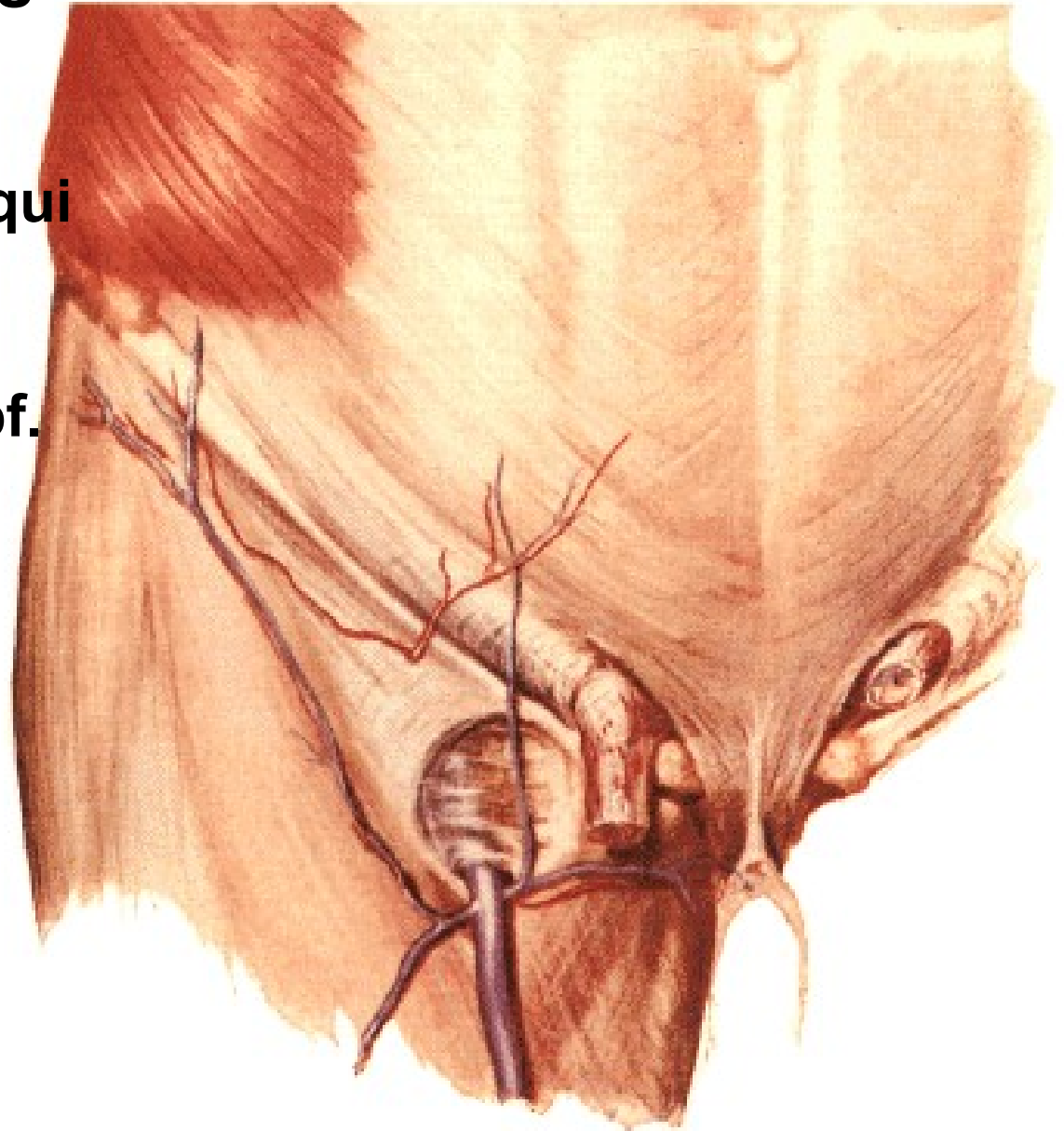


CANALIS INGUINALIS

Anterior wall:

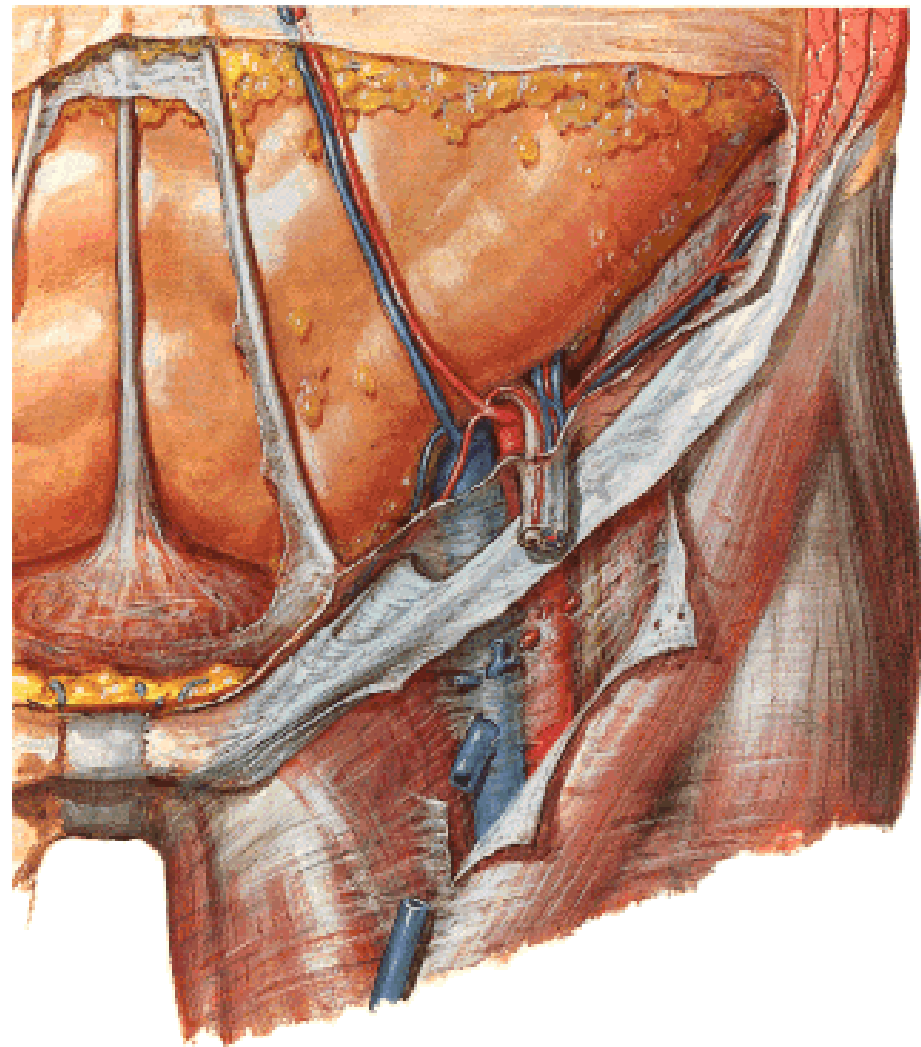
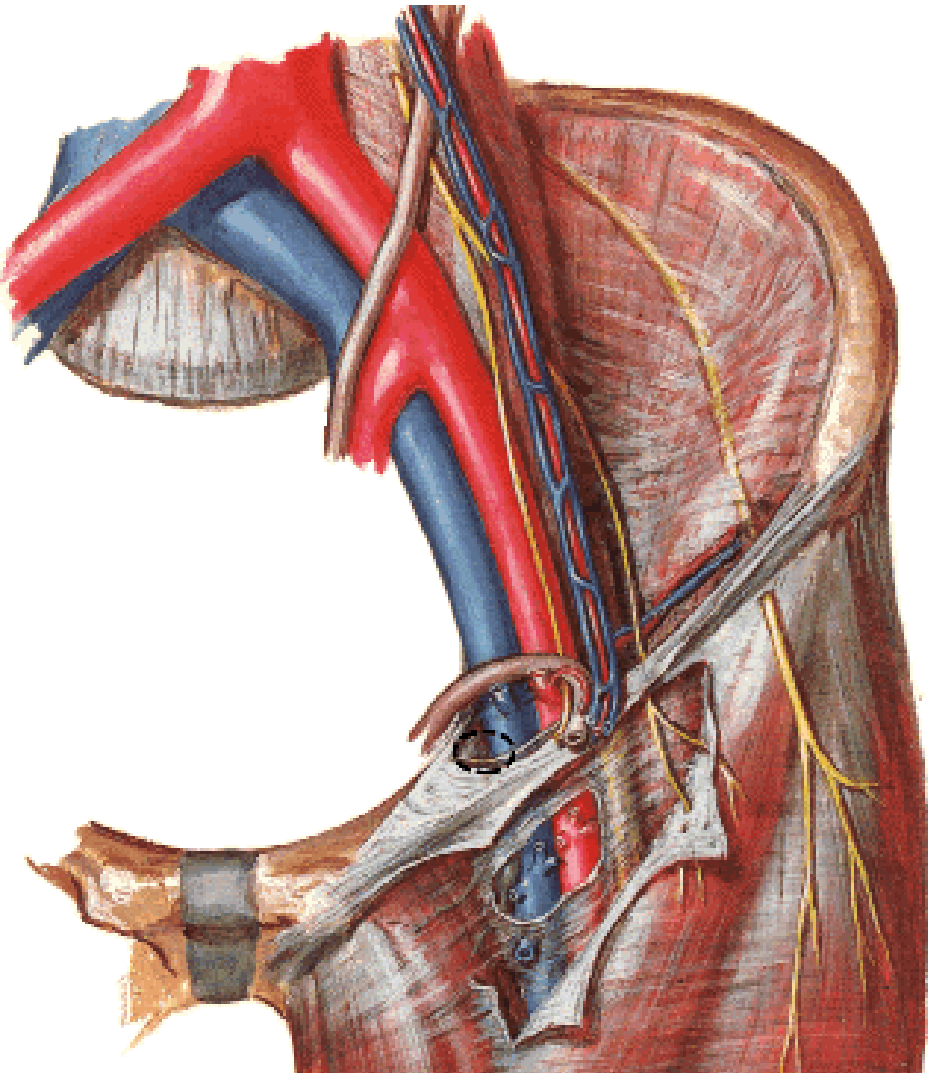
**Aponeurosis m. obliqui
externi abdominis**

Anulus inguinalis spf.



CANALIS INGUINALIS

Inferior wall:
Lig. inguinale



CANALIS INGUINALIS

Posterior wall:

Fascia transversalis:

Anulus inguinalis prof.

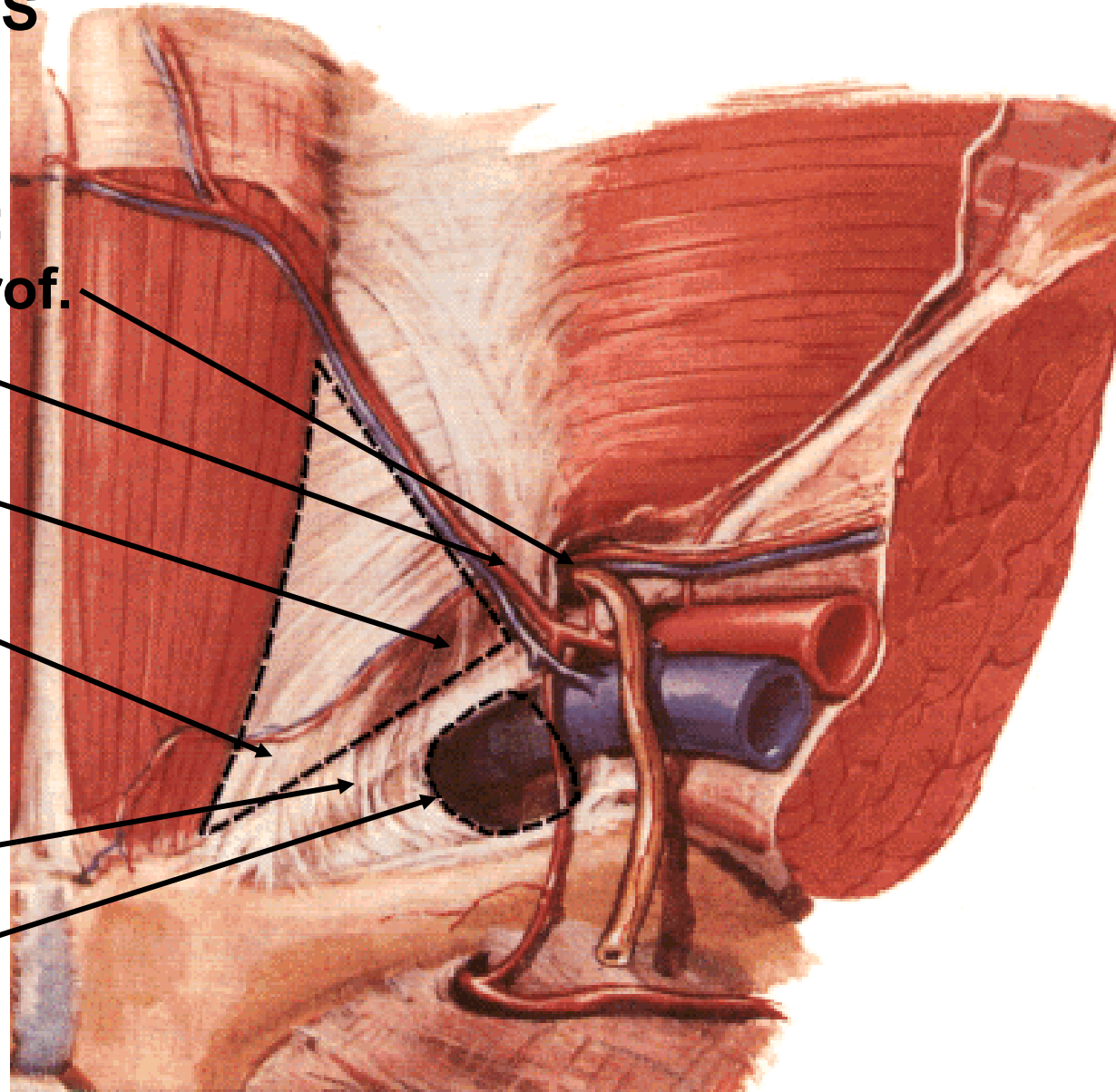
Lig. interfoveolare

**Trigonum inguinale
(Hesselbachi)**

**Falx inguinalis
(conjoint tendon)**

Tractus iliopubicus

Anulus femoralis



Plica umbilicalis mediana
- lig. umbilicale medianum
(chorda urachi)

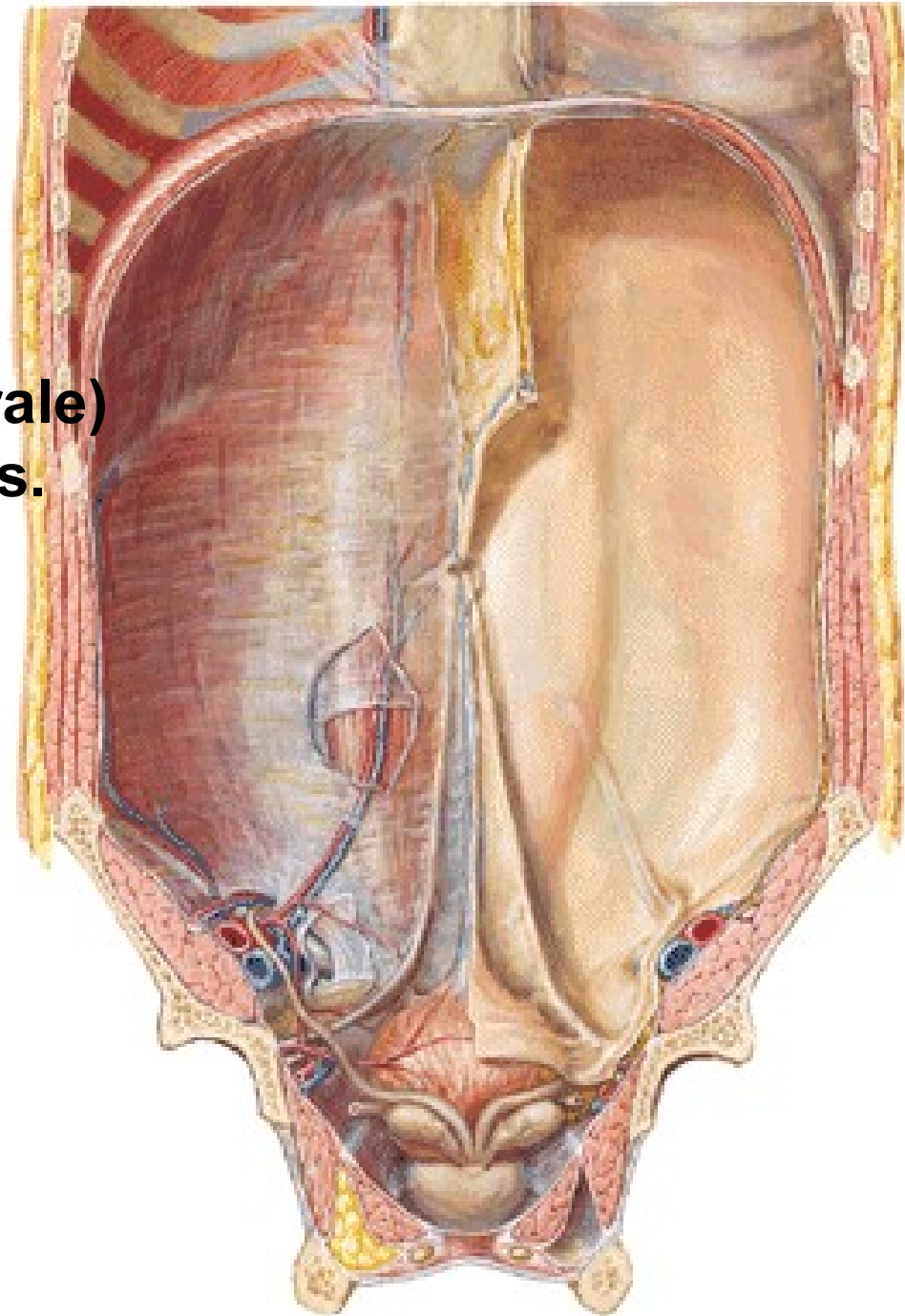
Fossa supravesicalis

Plica umbilicalis medialis
- lig. umbilicale mediale (laterale)
(pars occlusa a. umbilicalis s.
chorda umbilicalis)

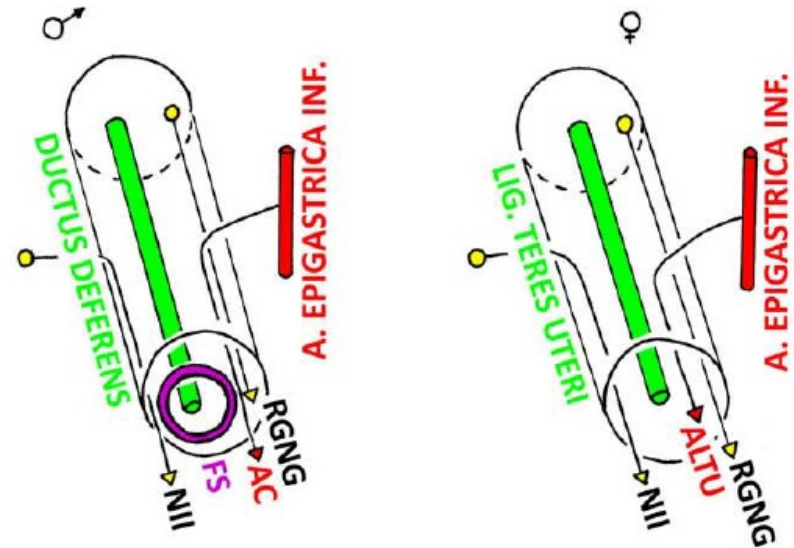
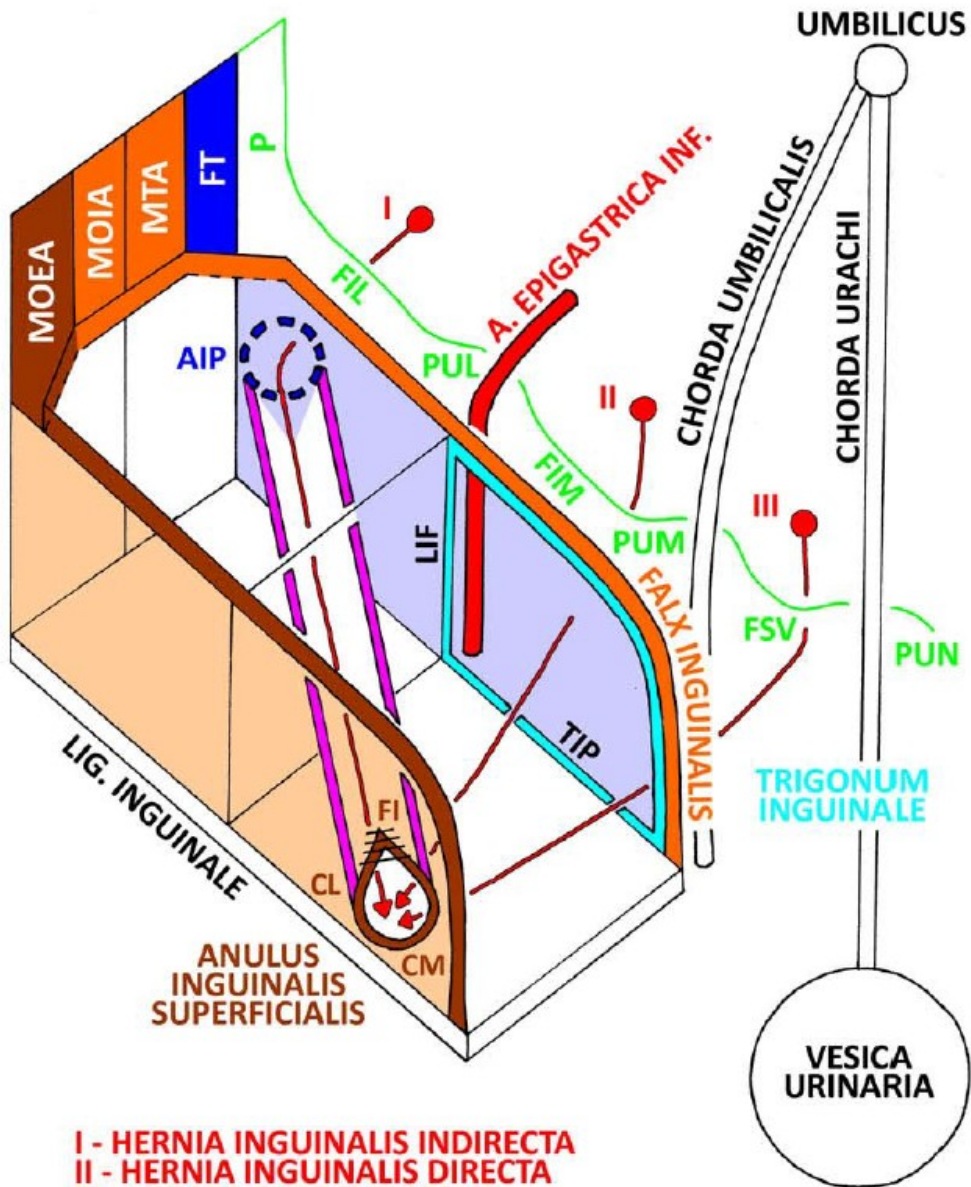
Fossa inguinalis medialis
- **direct inguinal hernia**

Plica umbilicalis lateralis
- vasa epigastrica inf.

Fossa inguinalis lateralis
- **indirect inguinal hernia**

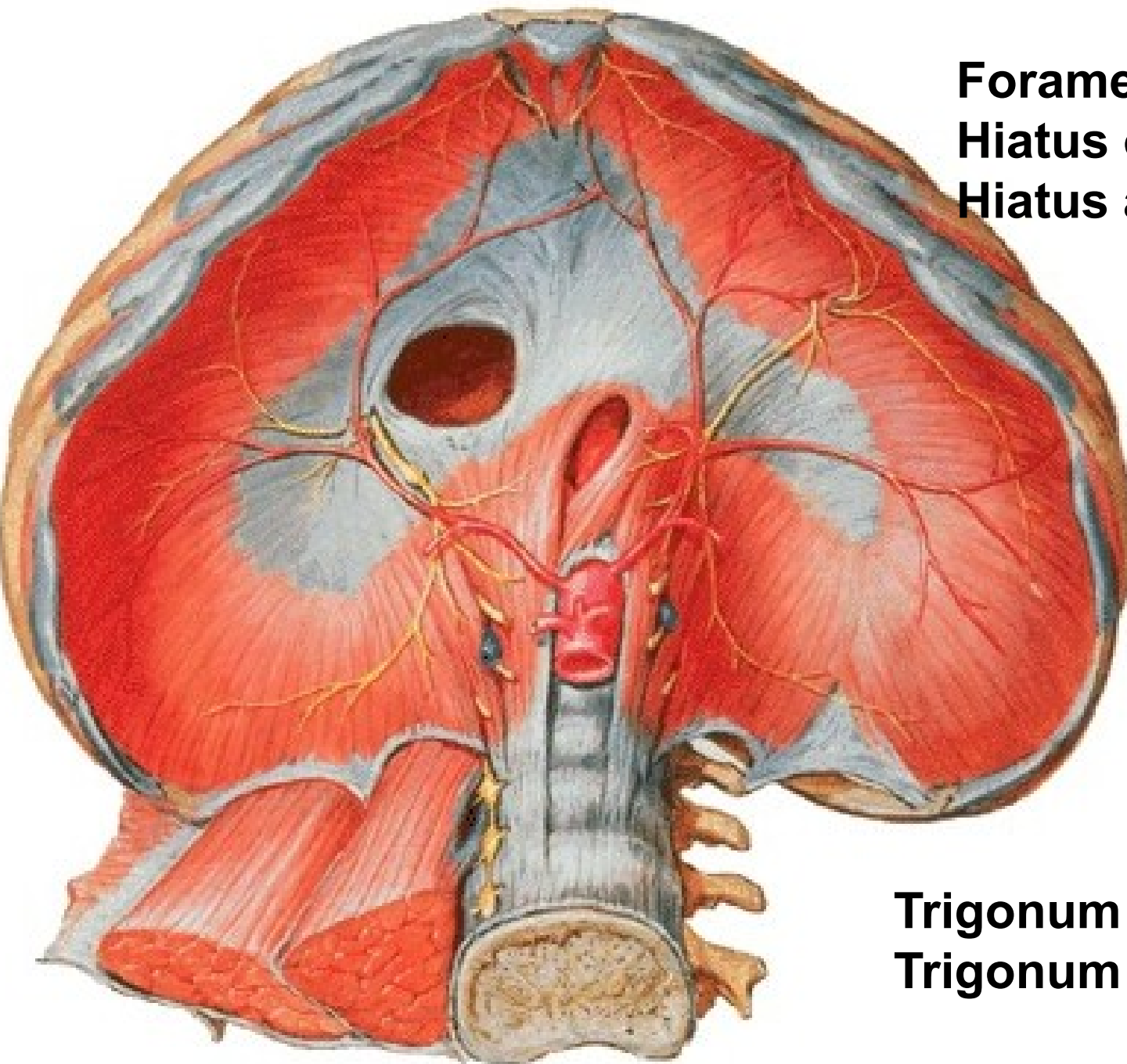


CANALIS INGUINALIS



- MOEA - M. OBLIQUUS EXTERNUS ABDOMINIS
- MOIA - M. OBLIQUUS INTERNUS ABDOMINIS
- MTA - M. TRANSVERSUS ABDOMINIS
- FT - FASCIA TRANSVERSALIS PROFUNDA
- AIP - ANULUS INGUINALIS PROFUNDUS
- P - PERITONEUM
- FIL - FOSSA INGUINALIS LAT.
- PUL - PLICA UMBILICALIS LATERALIS
- LIF - LIG. INTERFOVEOLARE
- FIM - FOSSA INGUINALIS MED.
- PUM - PLICA UMBILICALIS MEDIALIS
- FSV - FOSSA SUPRAVESICALIS
- PUN - PLICA UMBILICALIS MEDIANA
- TIP - TRACTUS ILIOPUBICUS
- FI - FIBRAE INTERCRURALES
- CL - CRUS LATERALE
- CM - CRUS MEDIALE
- NII - N. ILIOINGUINALIS
- FS - FUNICULUS SPERMATICUS
- AC - A. CREMASTERICA
- RGNG - R. GENITALIS N. GENITOFEMORALIS
- ALTU - A. LIGAMENTI TERETIS UTERI

- I - HERNIA INGUINALIS INDIRECTA
- II - HERNIA INGUINALIS DIRECTA
- III - HERNIA SUPRAVESICALIS



Foramen v. cavae inf.
Hiatus oesophageus
Hiatus aorticus

Trigonum sternocostale
Trigonum lumbocostale

PERITONEAL CAVITY

CAVITAS ABDOMINALIS

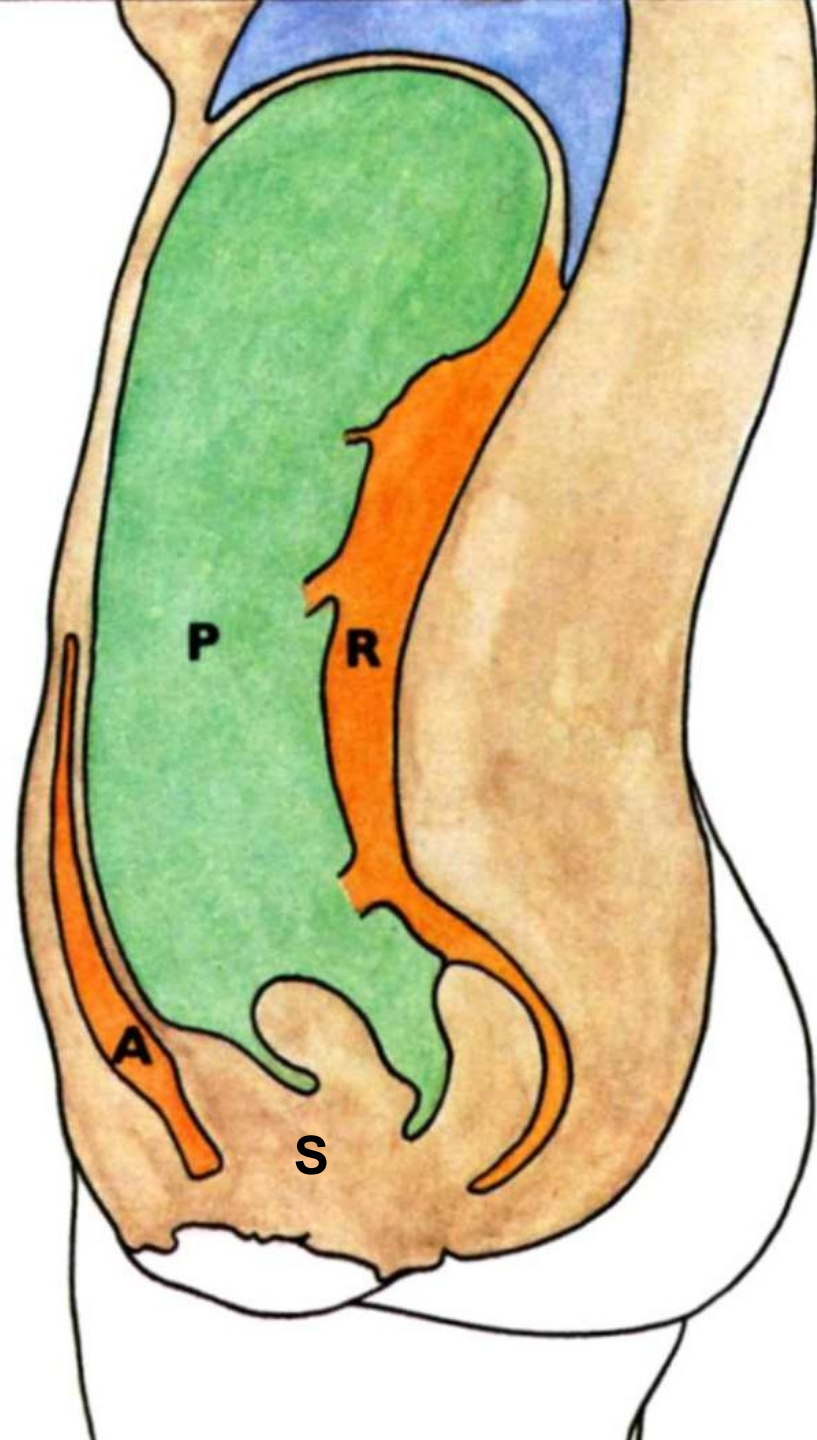
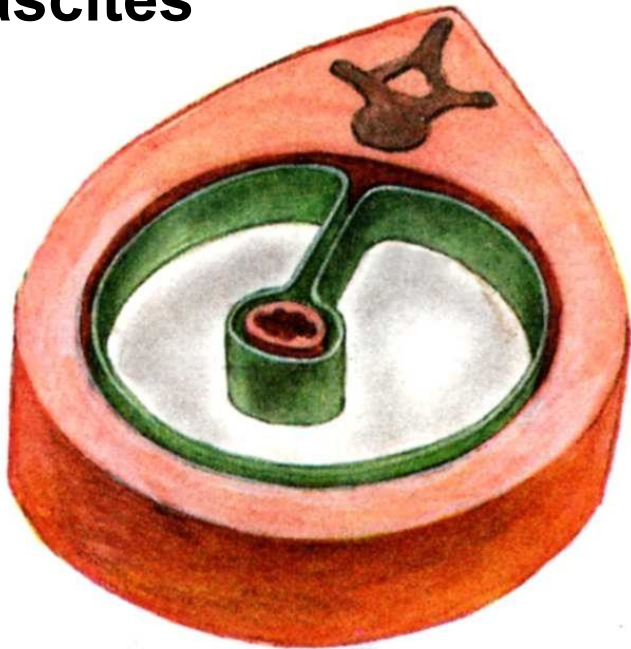
P – cavitas peritonealis

A – spatium preperitoneale

R – spatium retroperitoneale

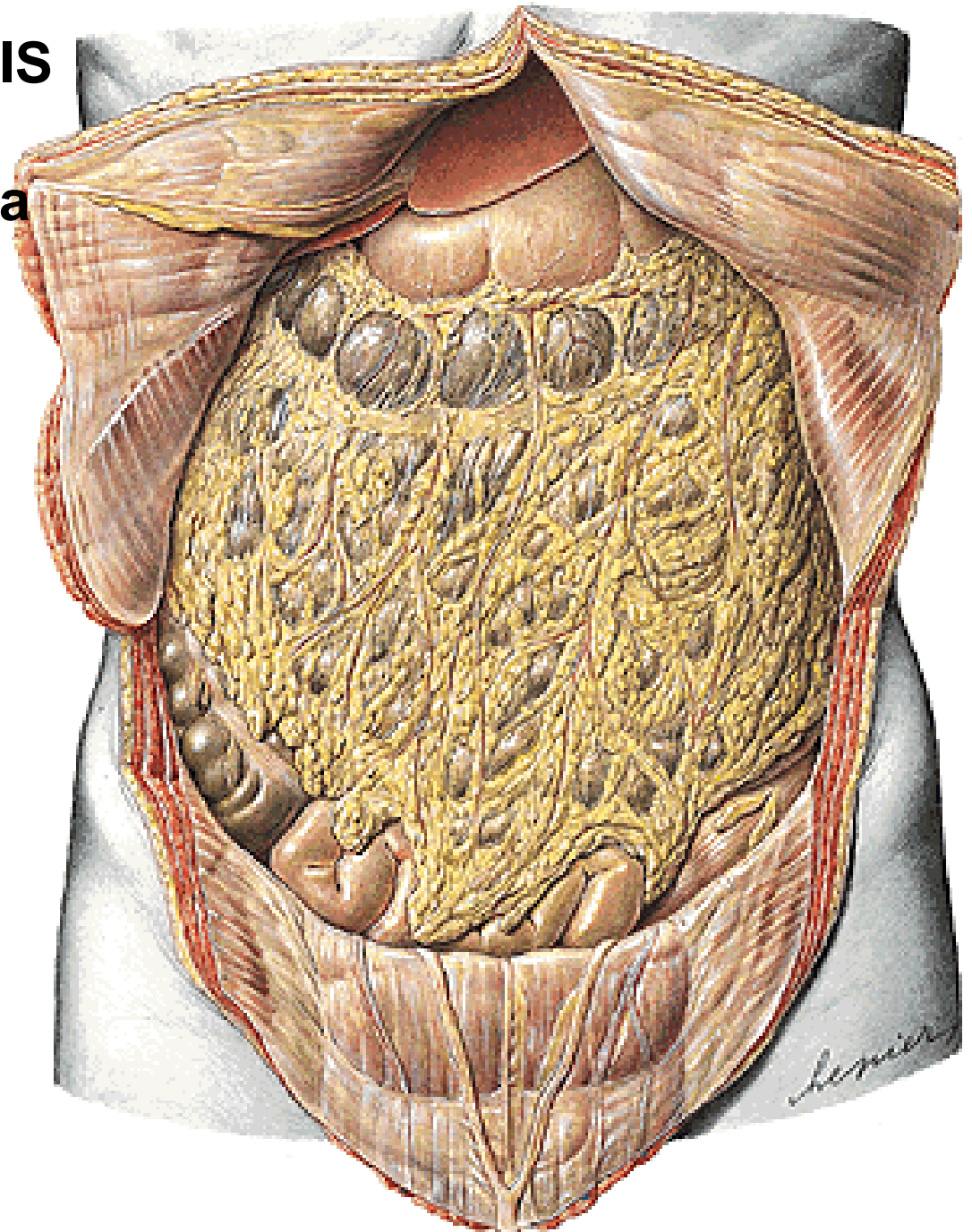
S – spatium subperitoneale
(infraperitoneale)

ascites

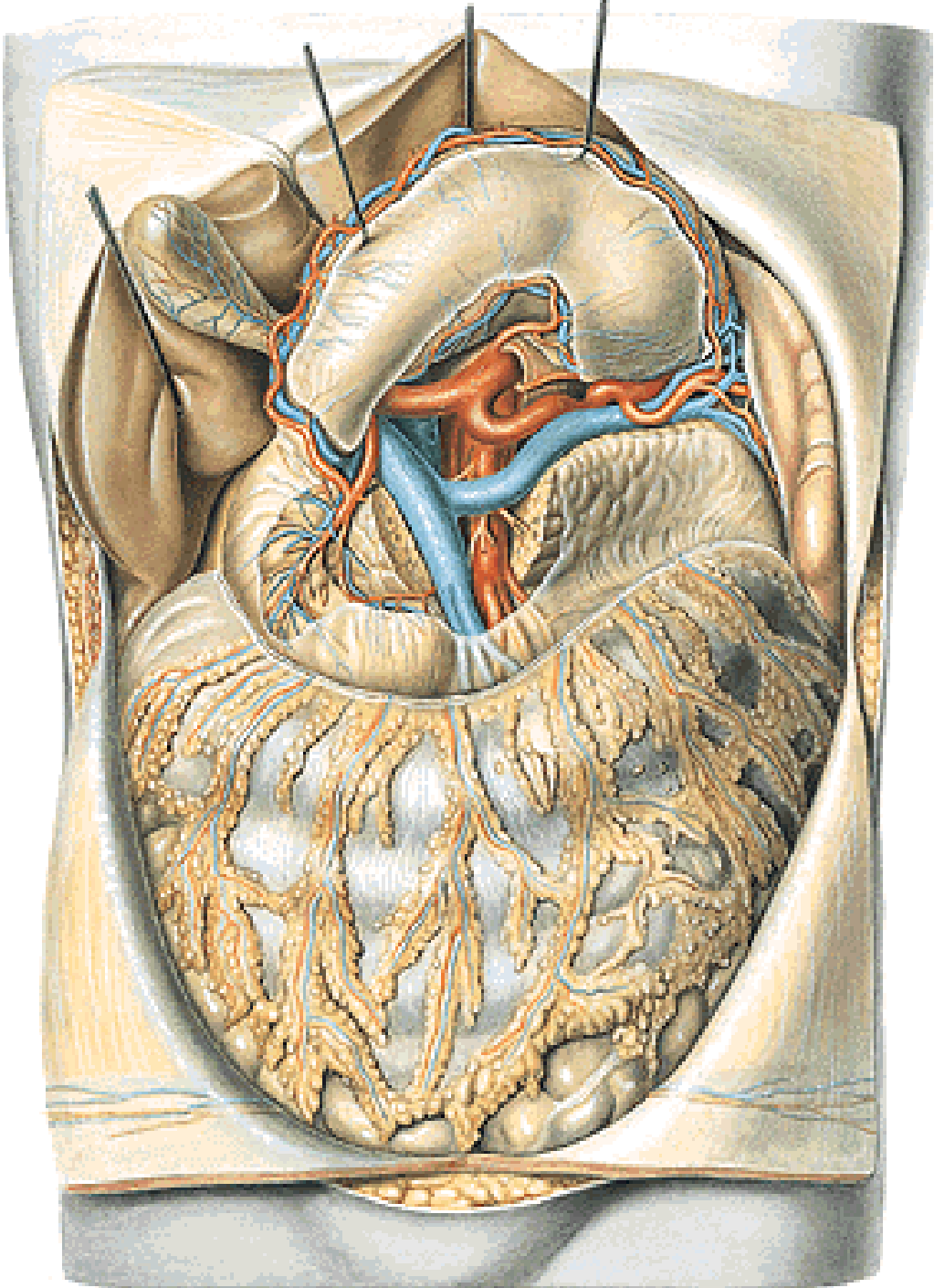


CAVITAS PERITONEALIS

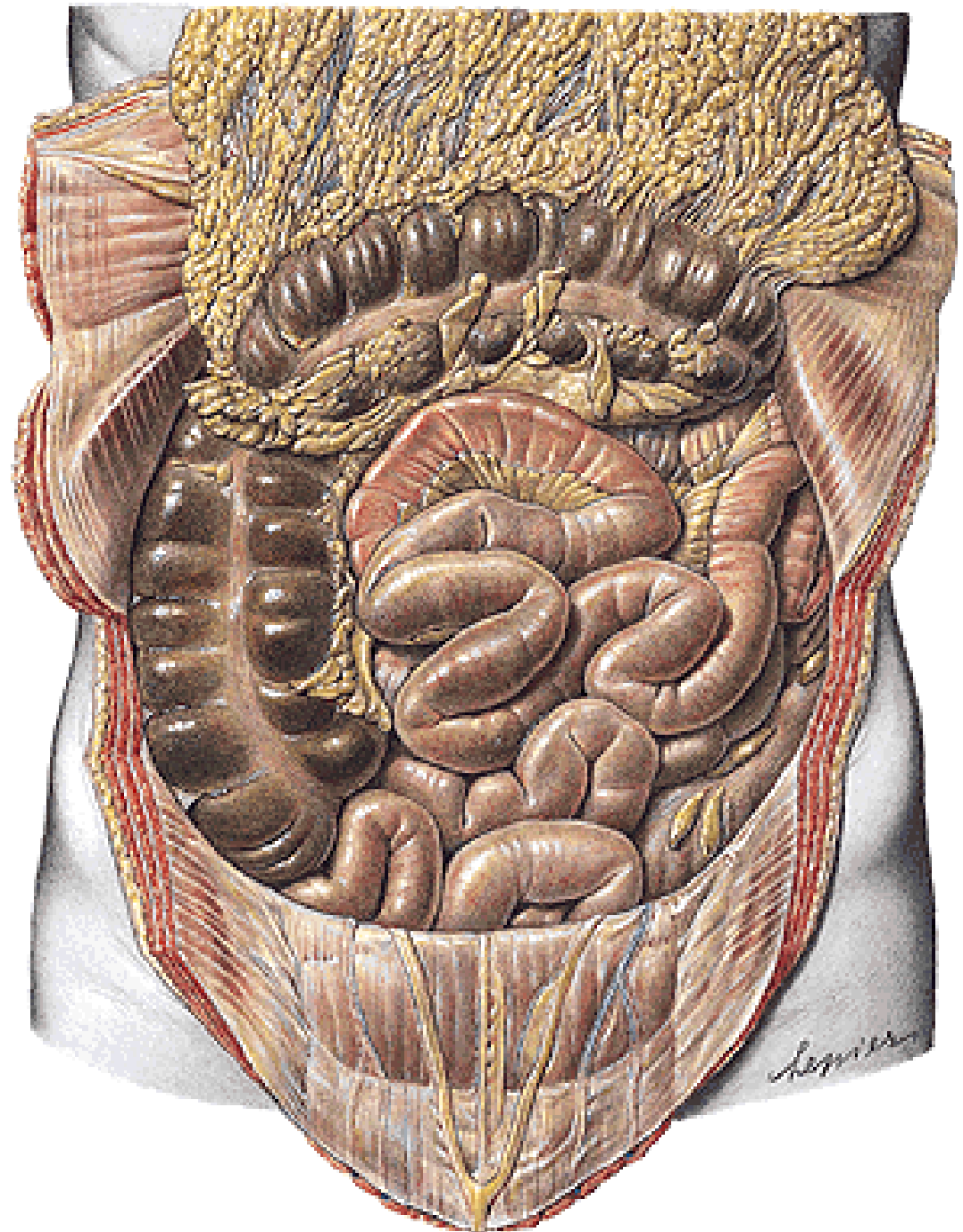
- pars supramesocolica
- pars inframesocolica



**Pars supramesocolica
(truncus coeliacus)**

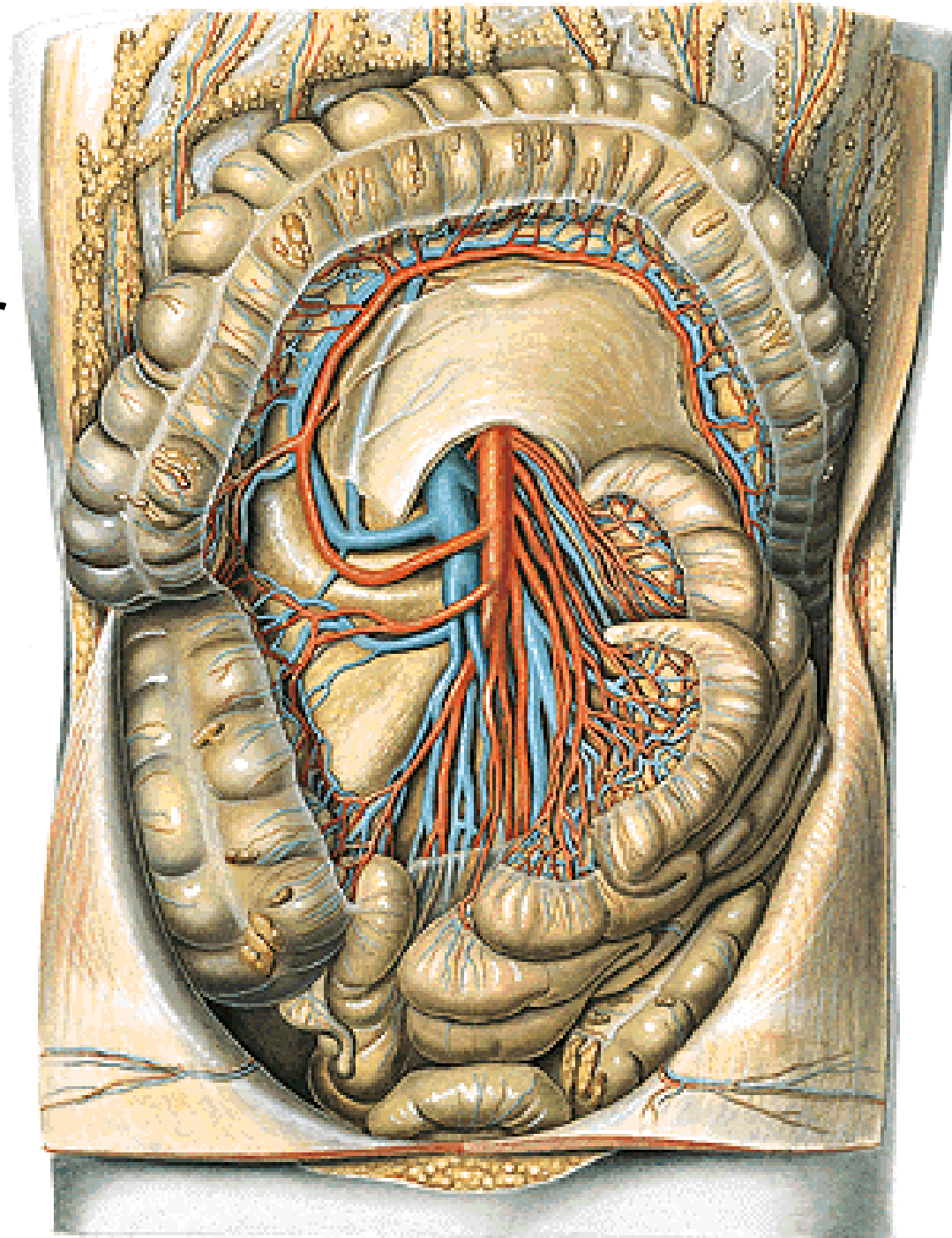


Pars inframesocolica



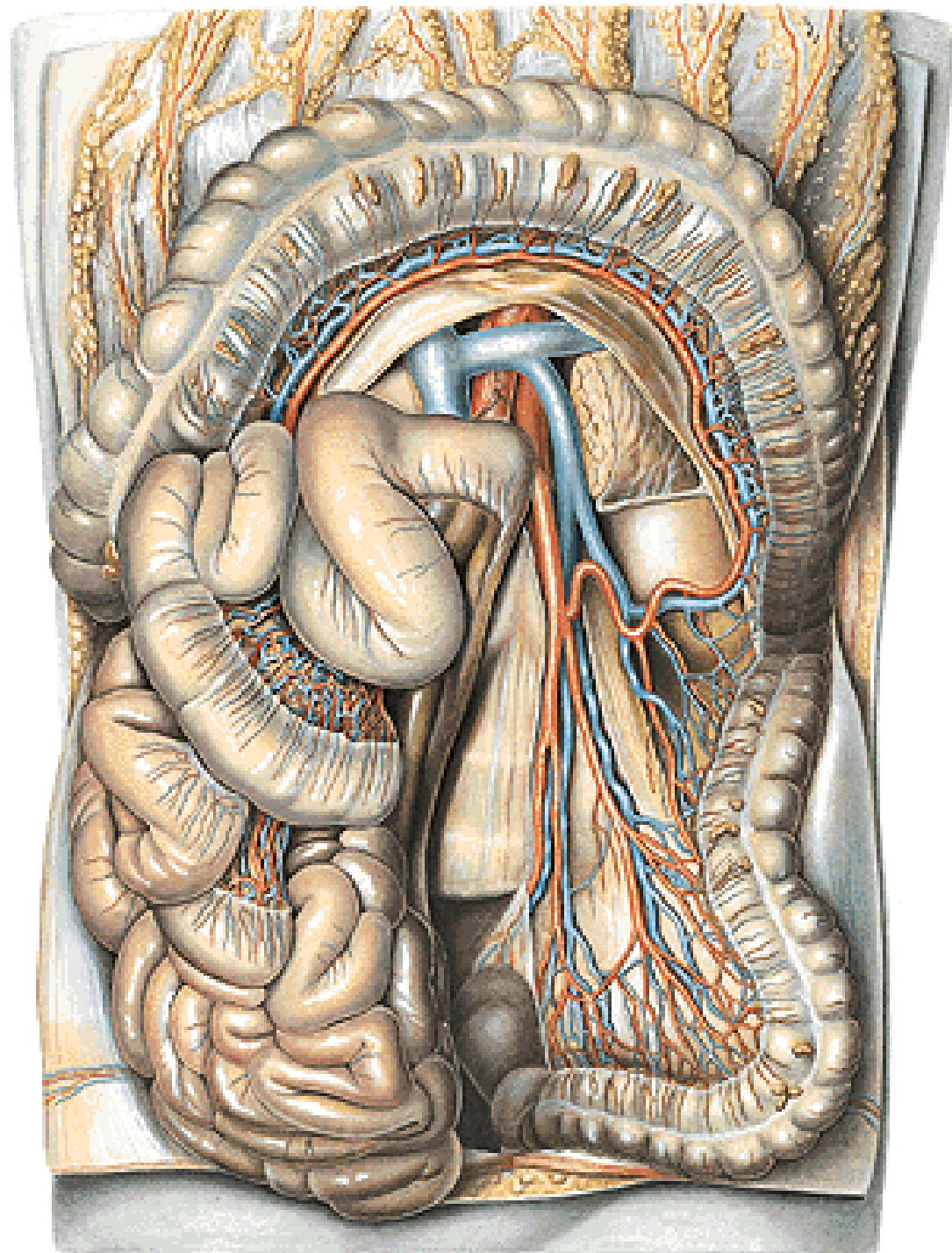
**Right infra(meso)colic
compartment**

A. mesenterica superior

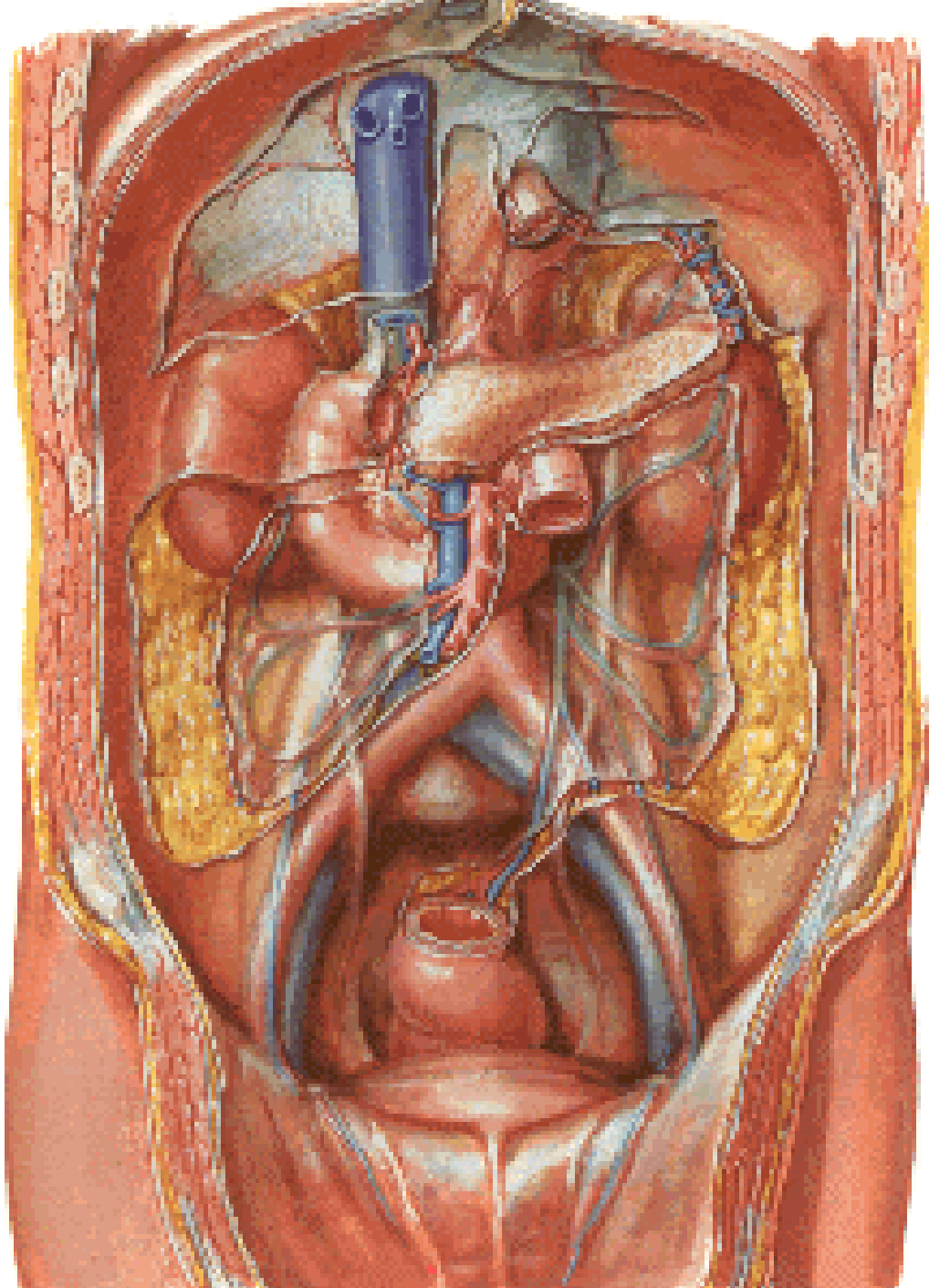


**Left infra(meso)colic
compartment**

A. mesenterica inferior

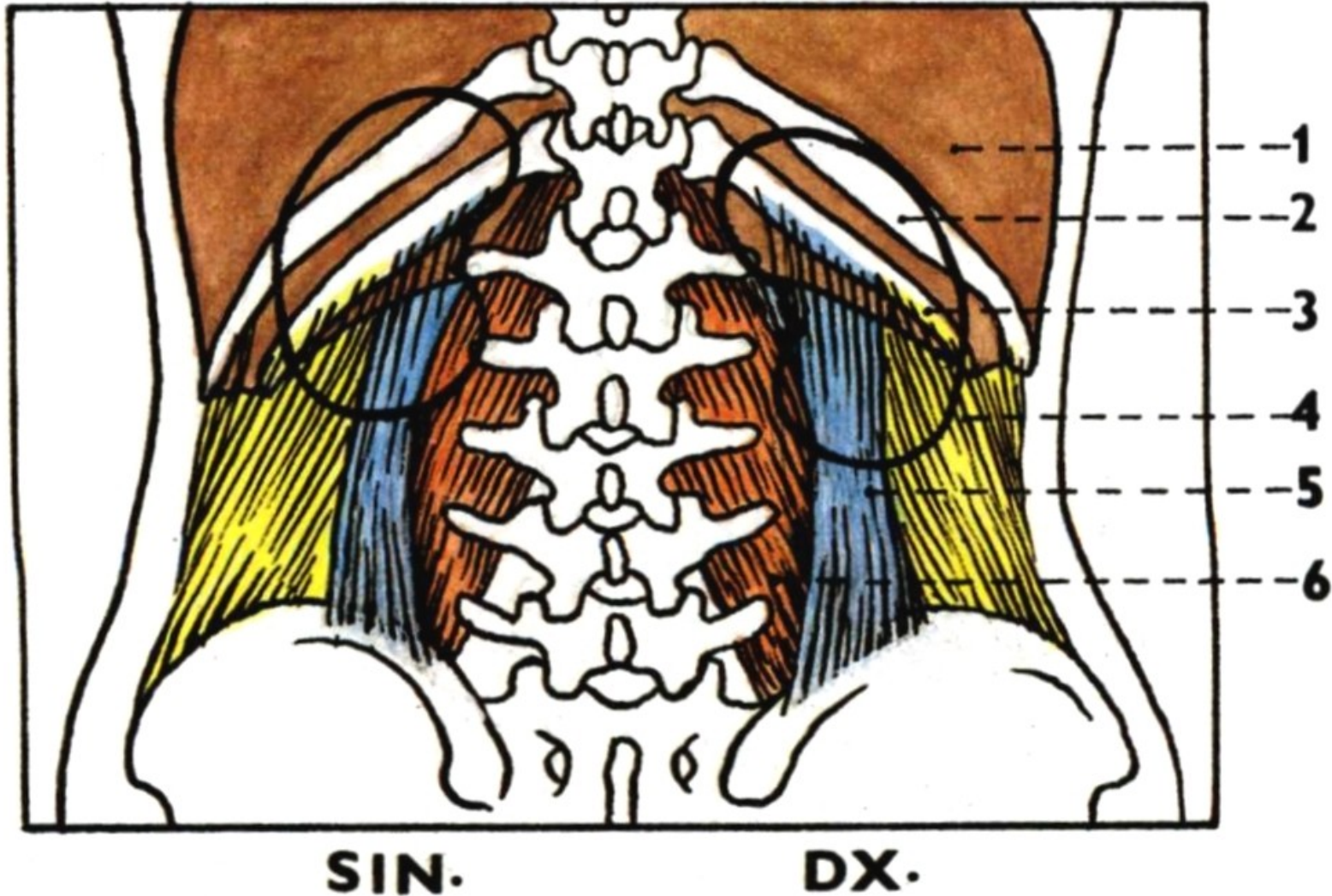


SPATIUM RETROPERITONEALE



1. diaphragma
2. 11th rib
3. 12th rib

4. m. transversus abdominis
5. m. quadratus lumborum
6. m. psoas major



1. fascia renalis

2. lamina praerenalis

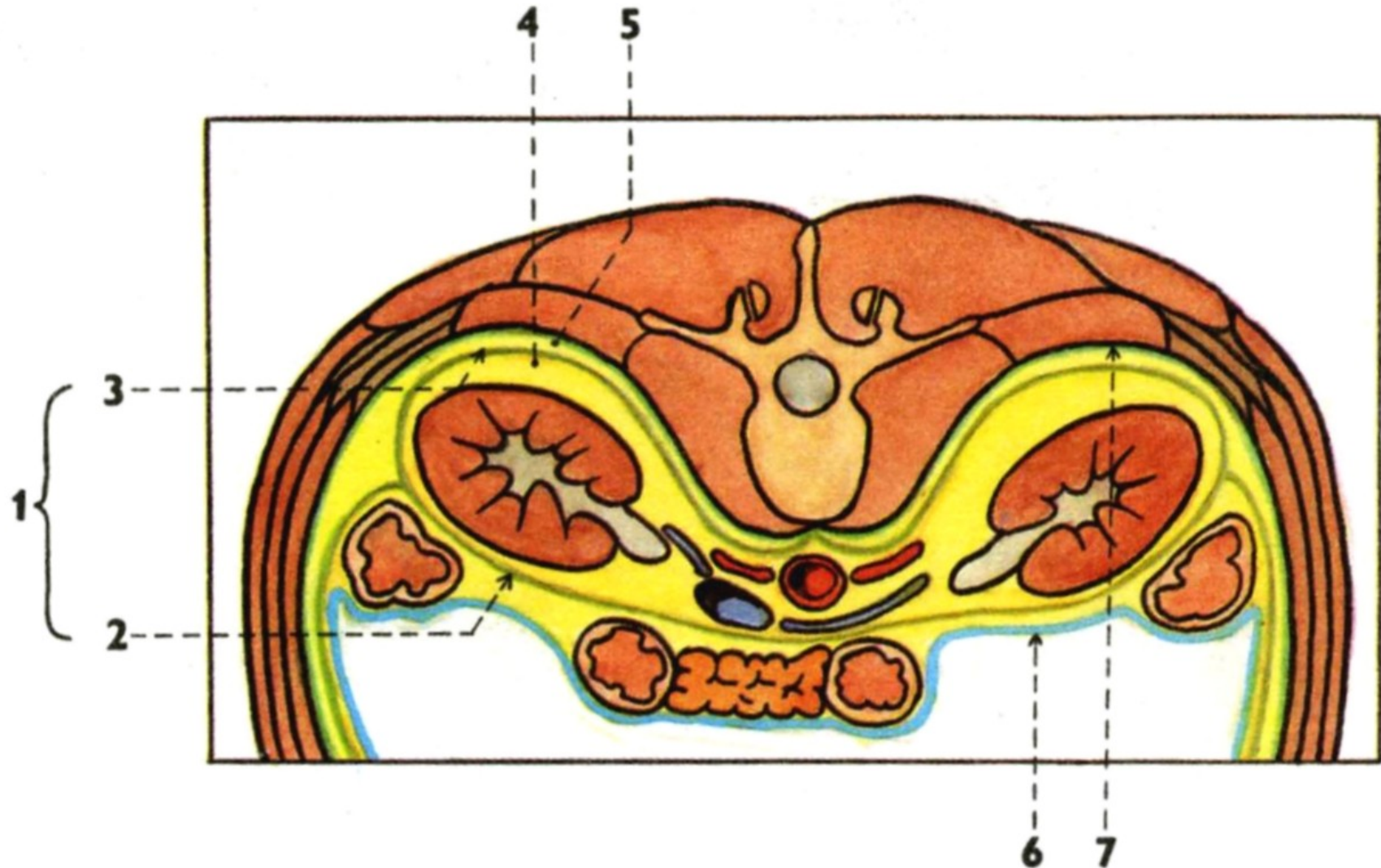
3. lamina retrorenalis

4. capsula adiposa

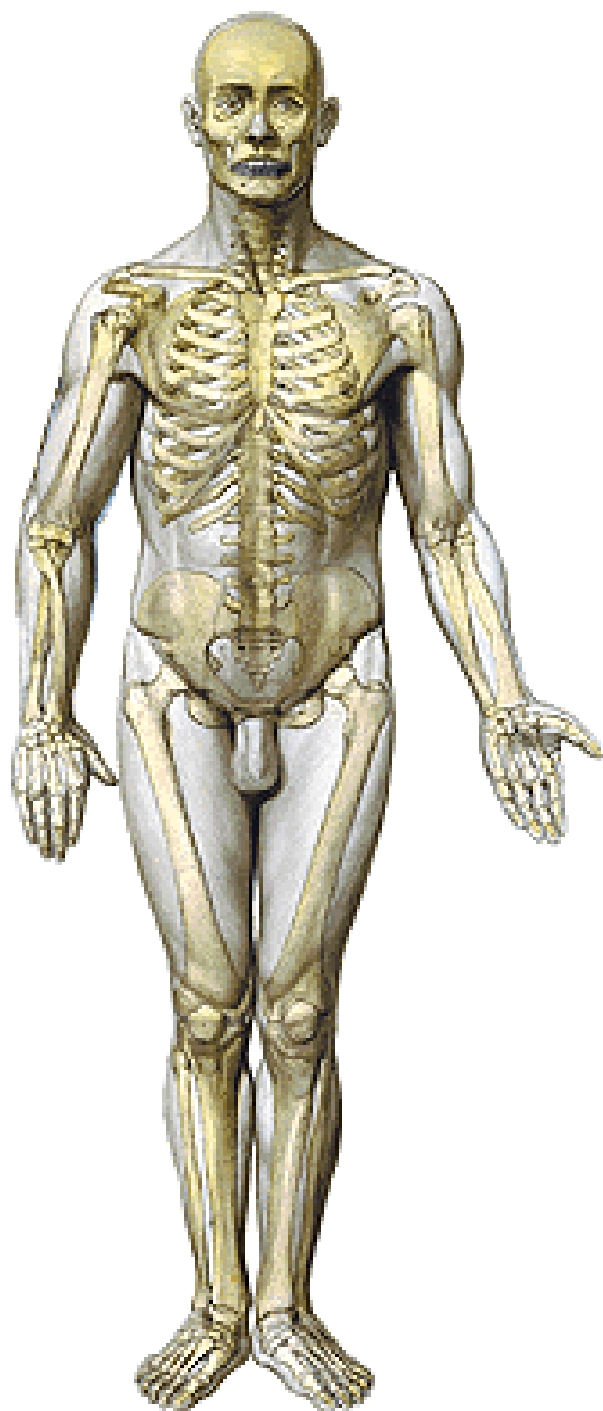
5. corpus adiposum pararenale

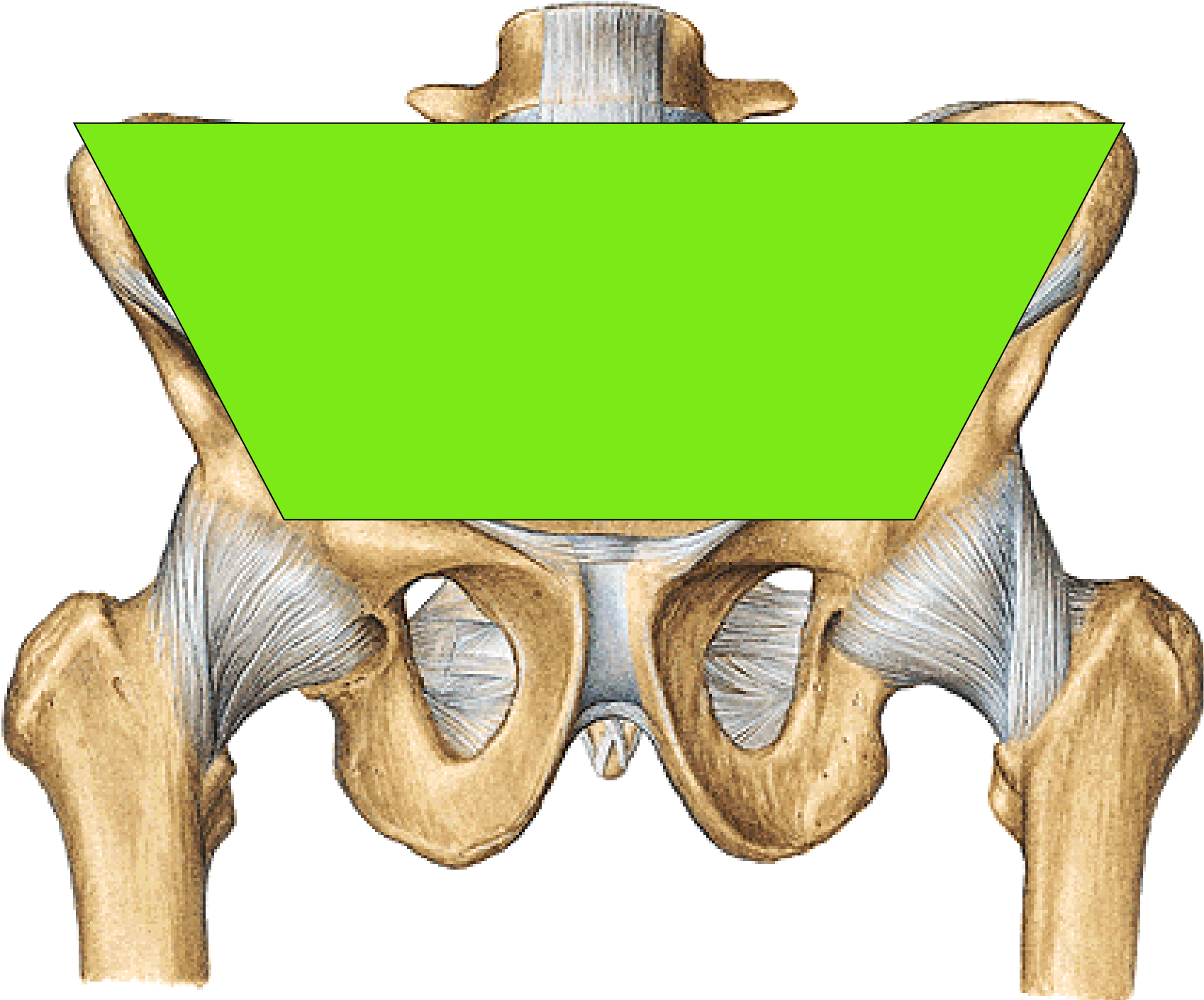
6. peritoneum

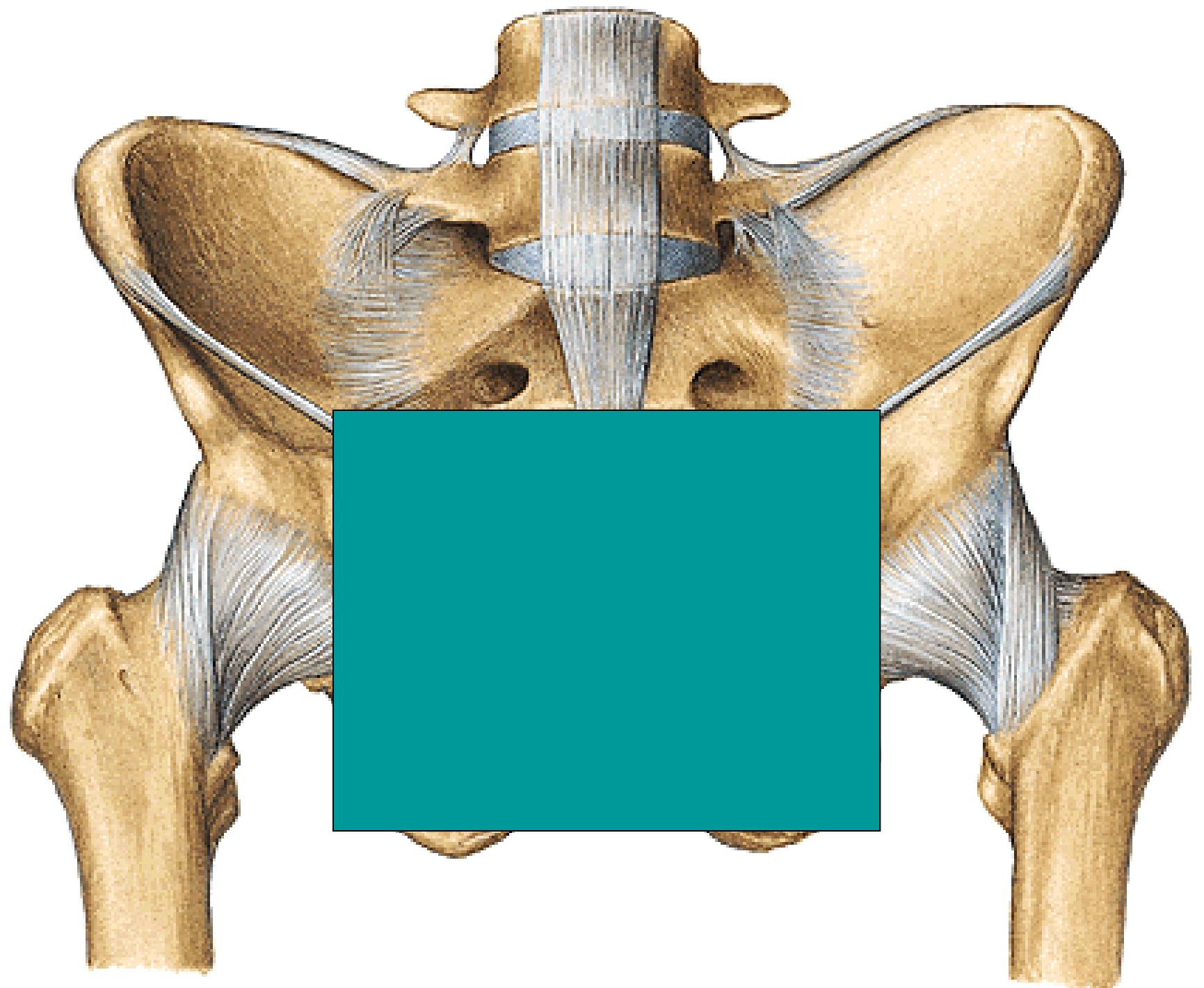
7. fascia transversalis

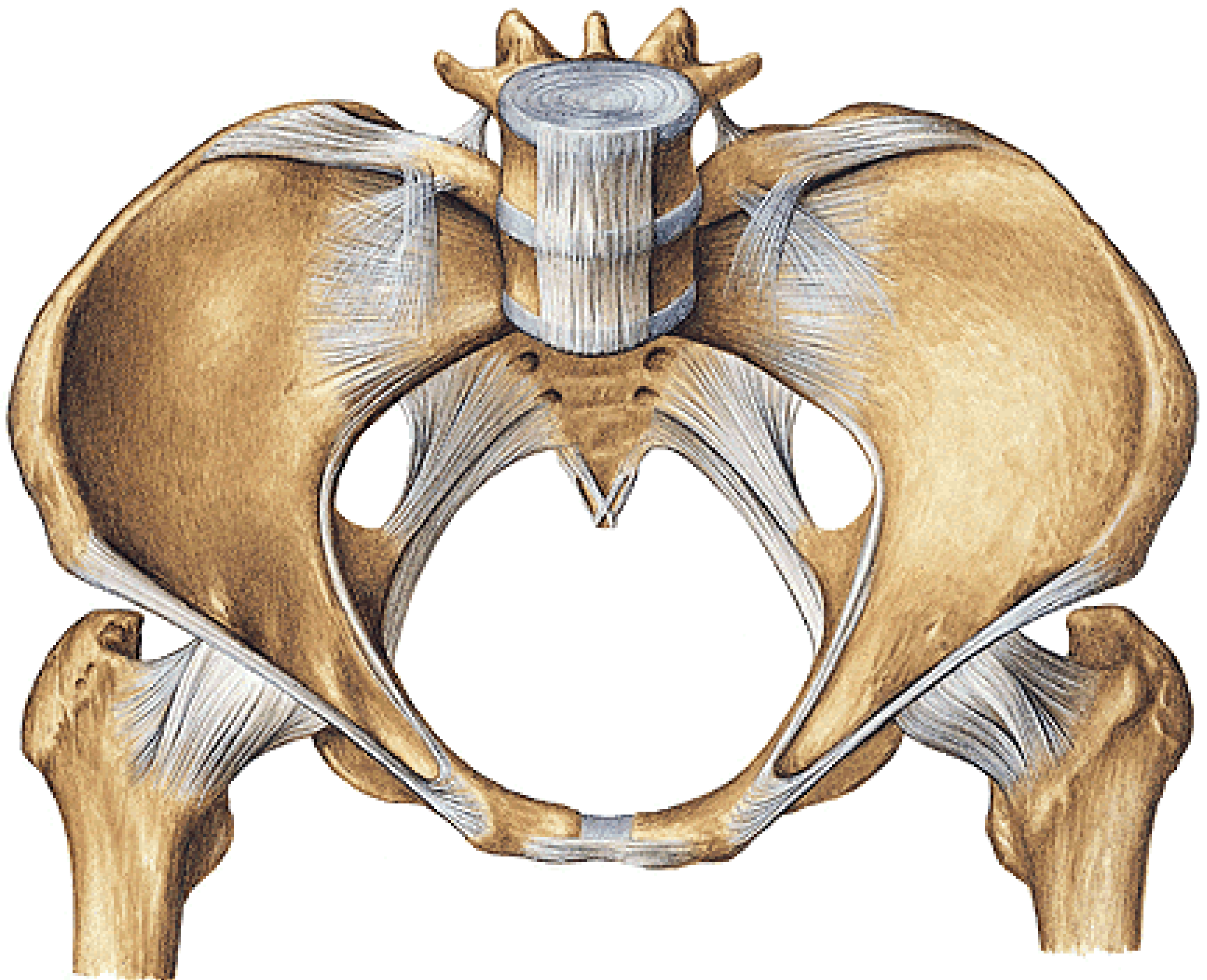


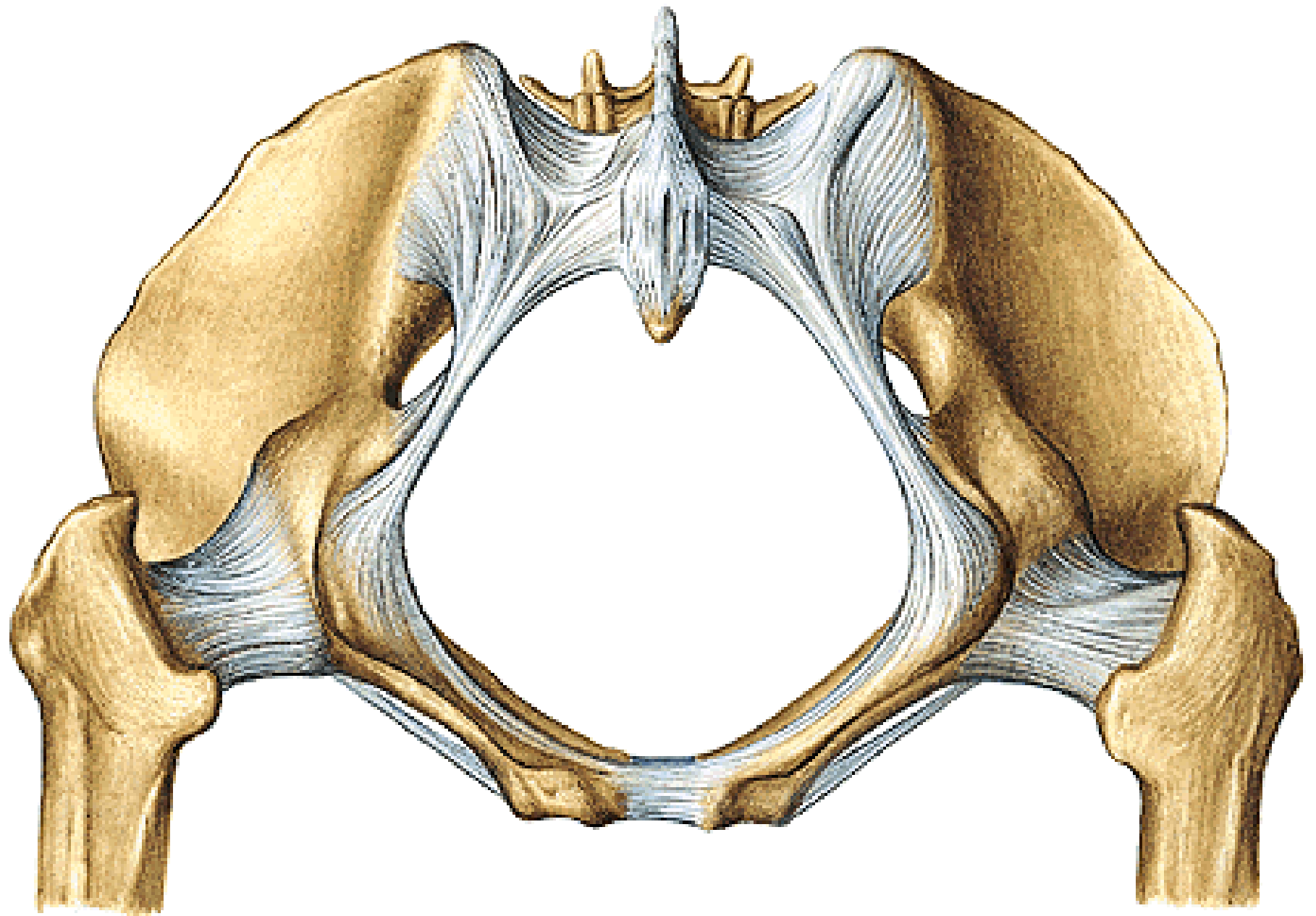
CAVITAS PELVIS



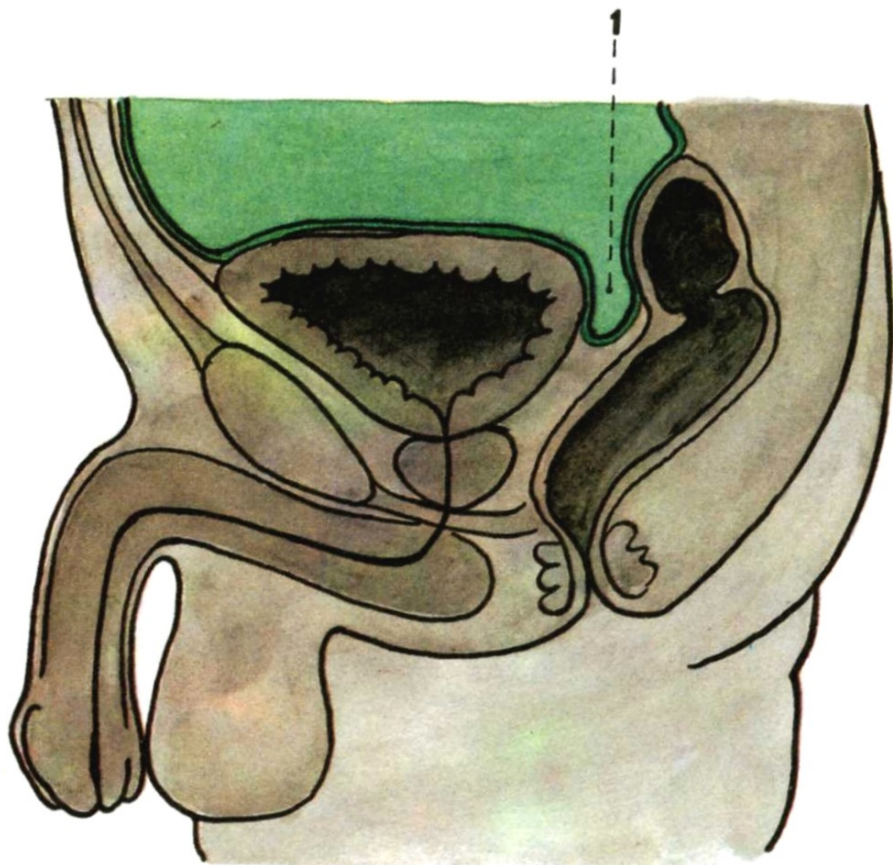




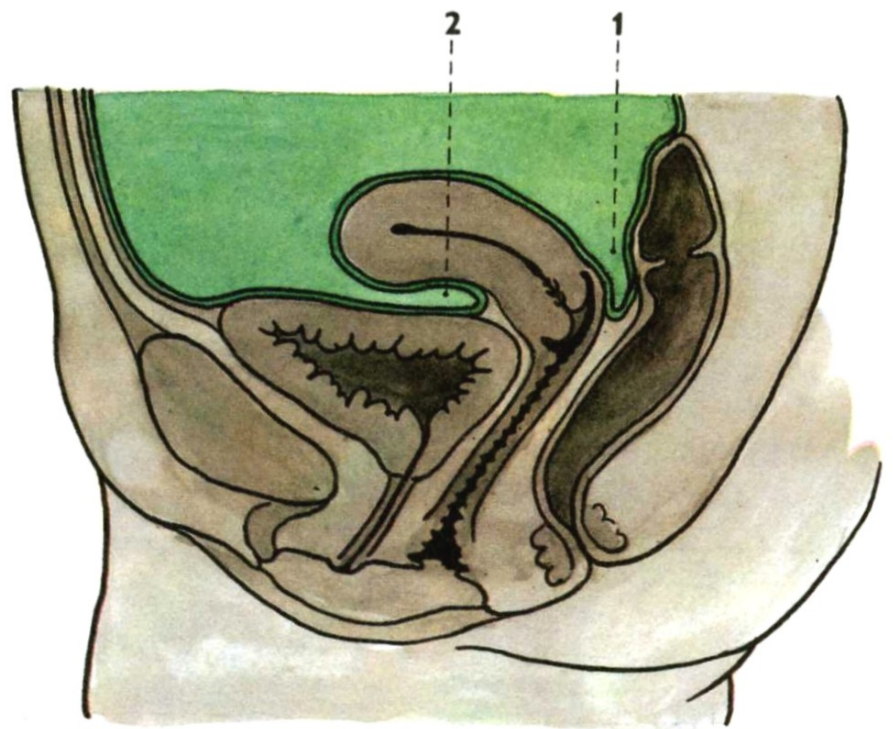




**Median section through
the male pelvis**

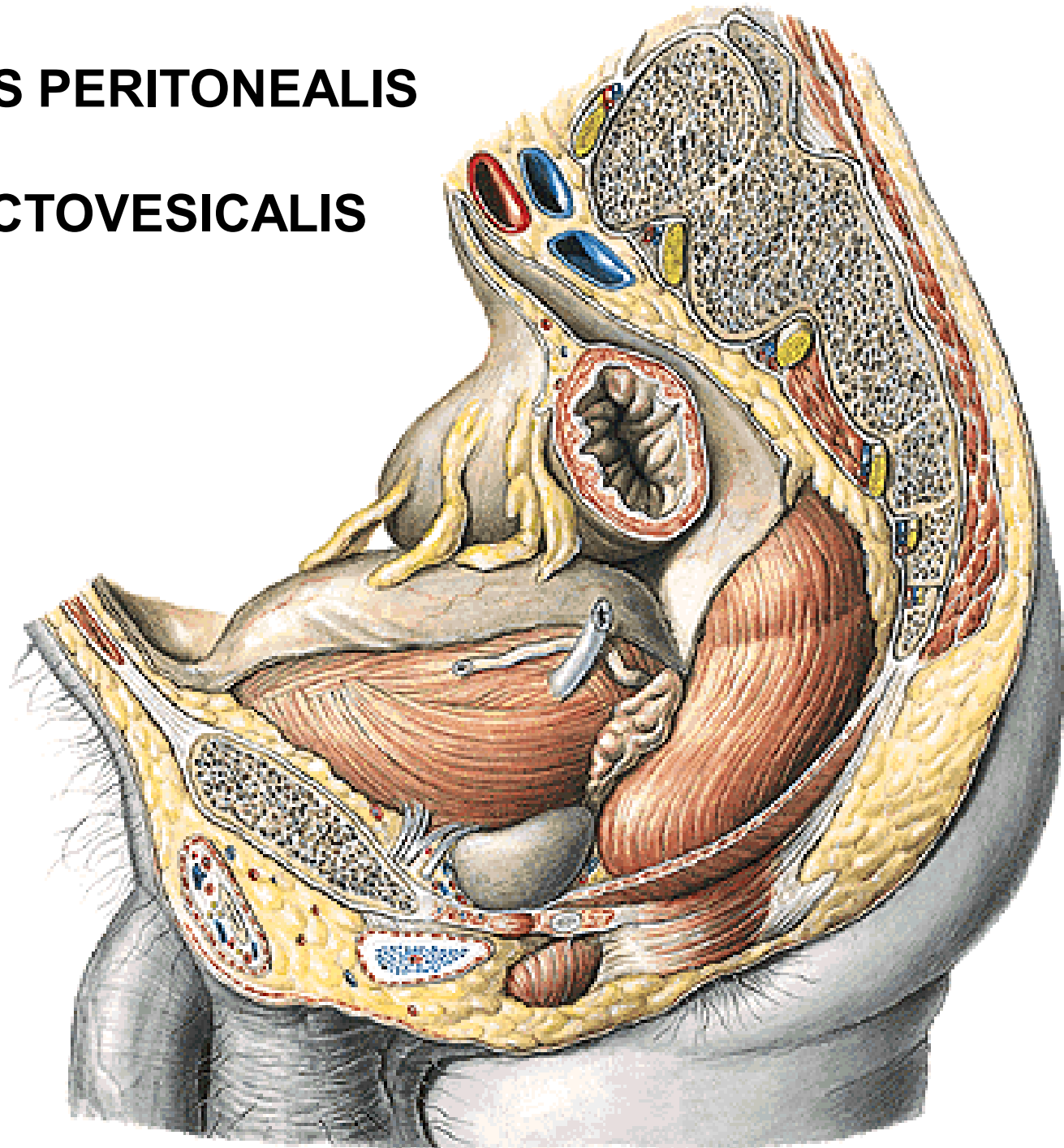


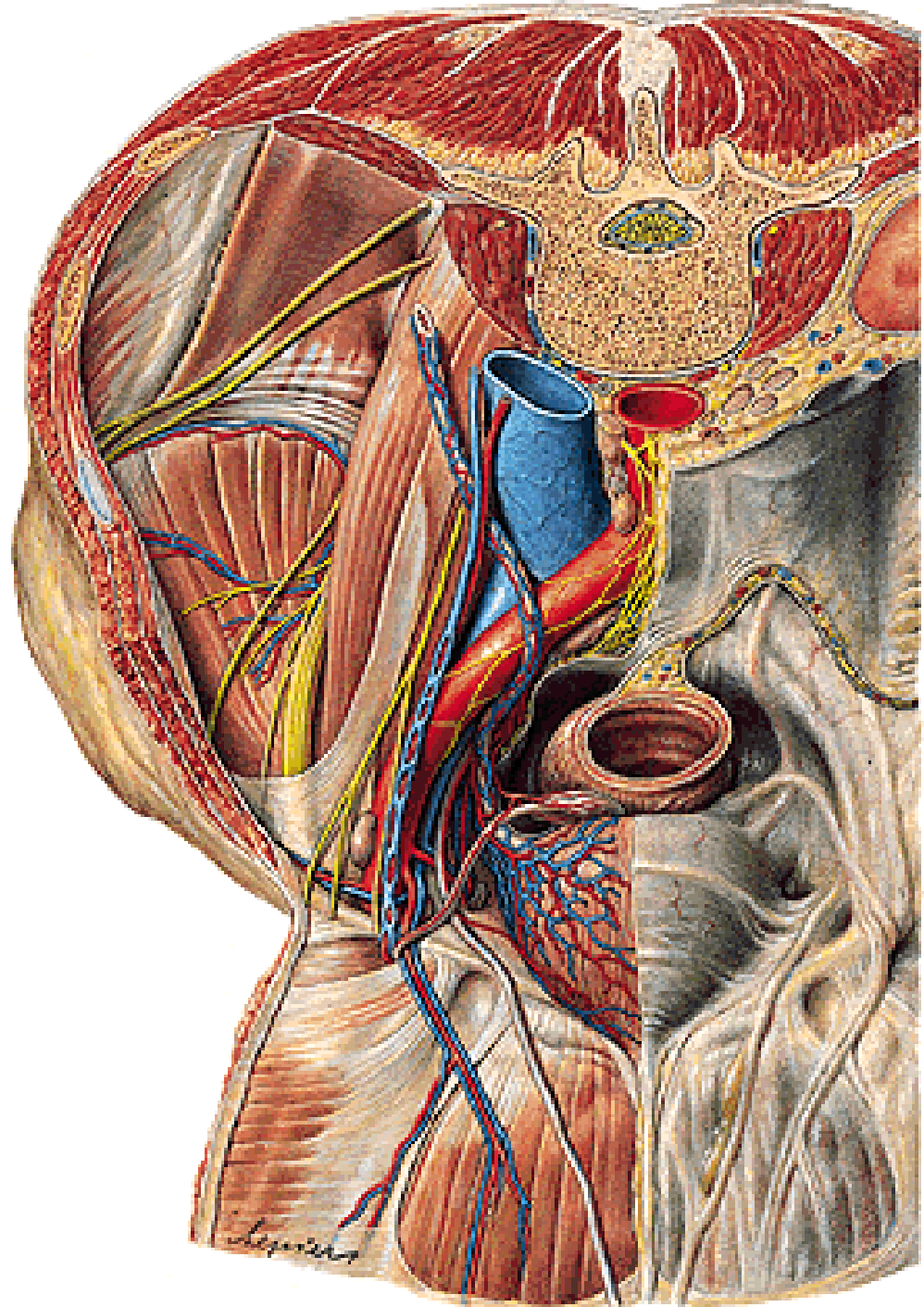
**Median section through
the female pelvis**



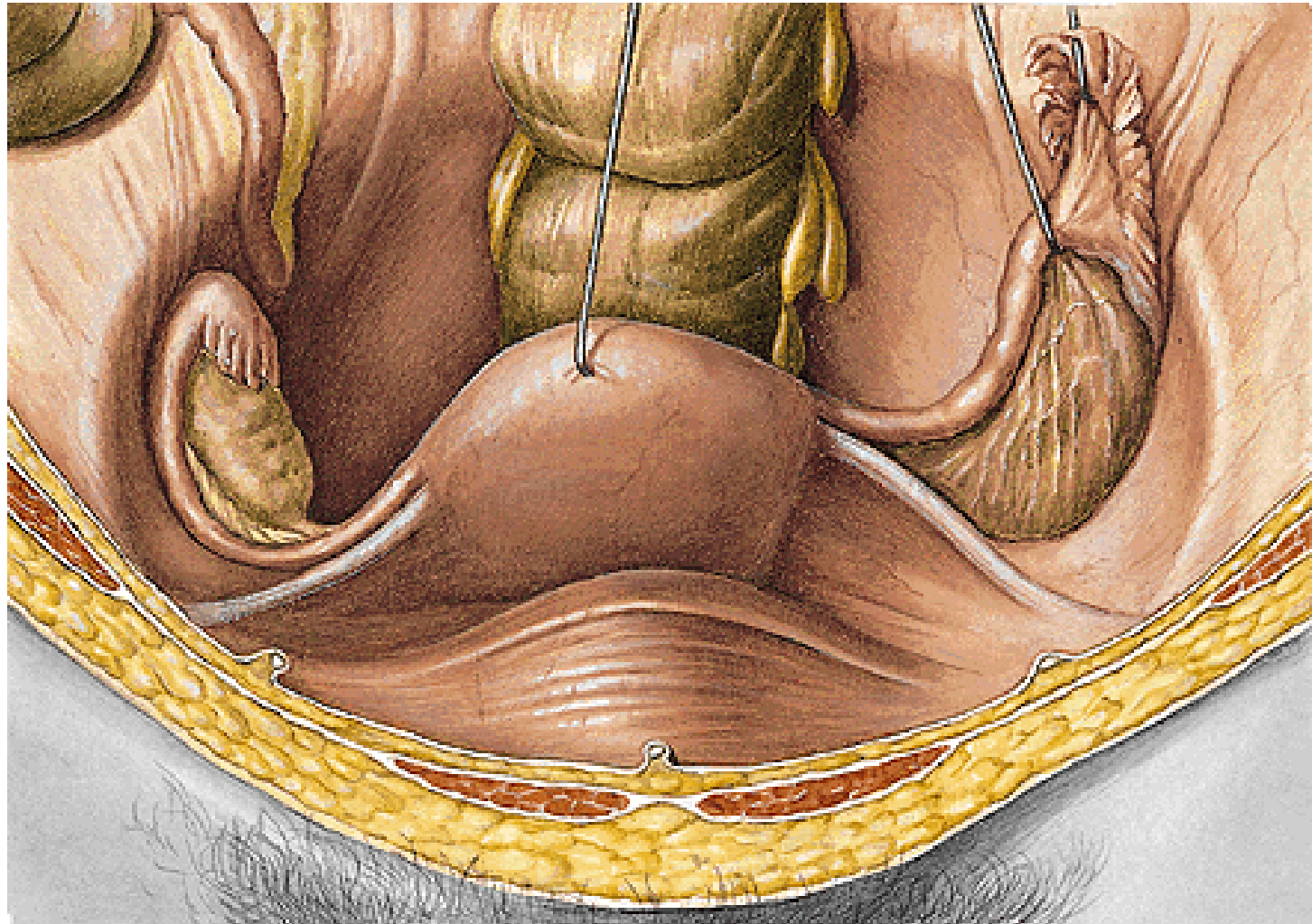
CAVITAS PELVIS PERITONEALIS

EXCAVATIO RECTOVESICALIS

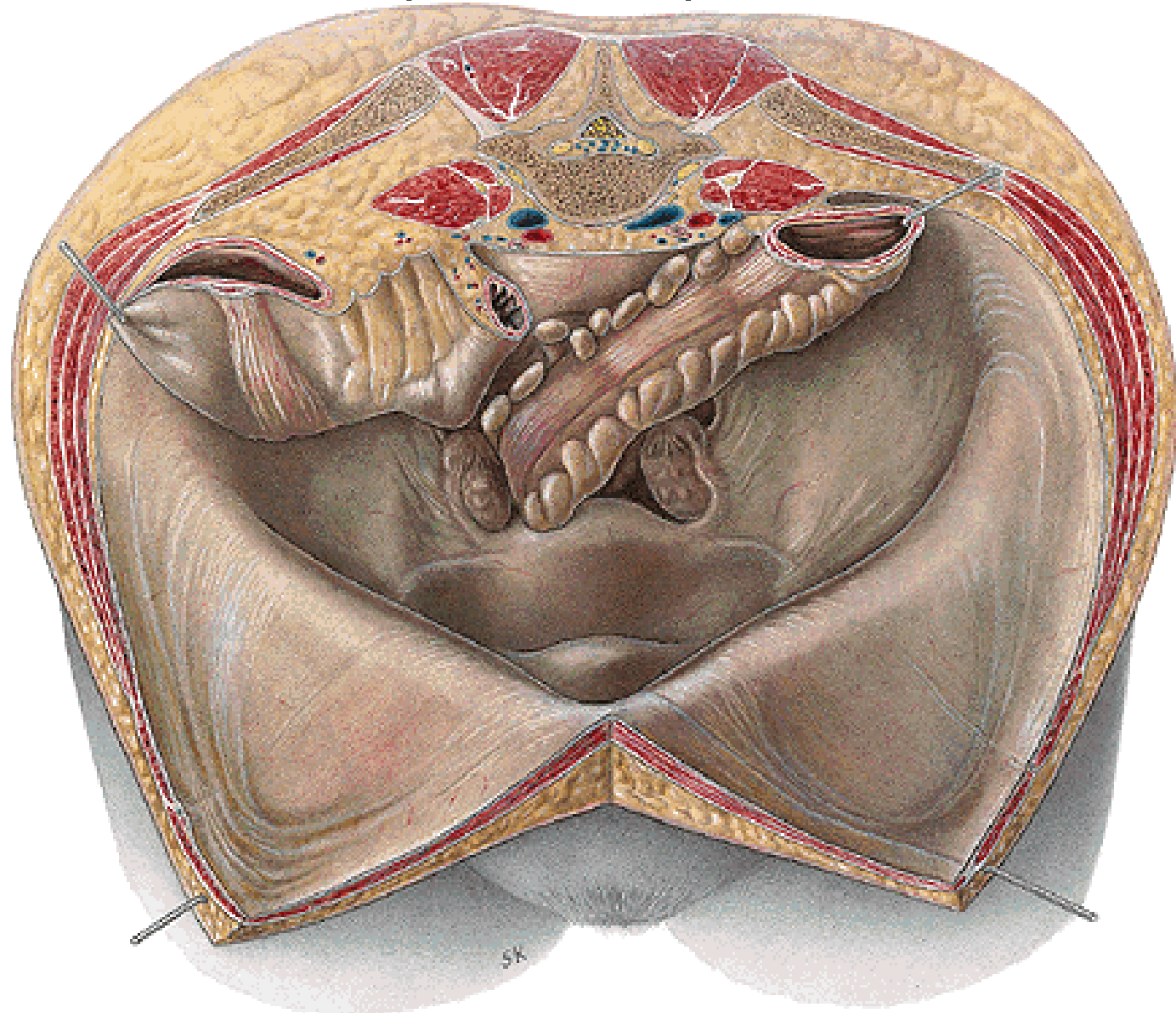




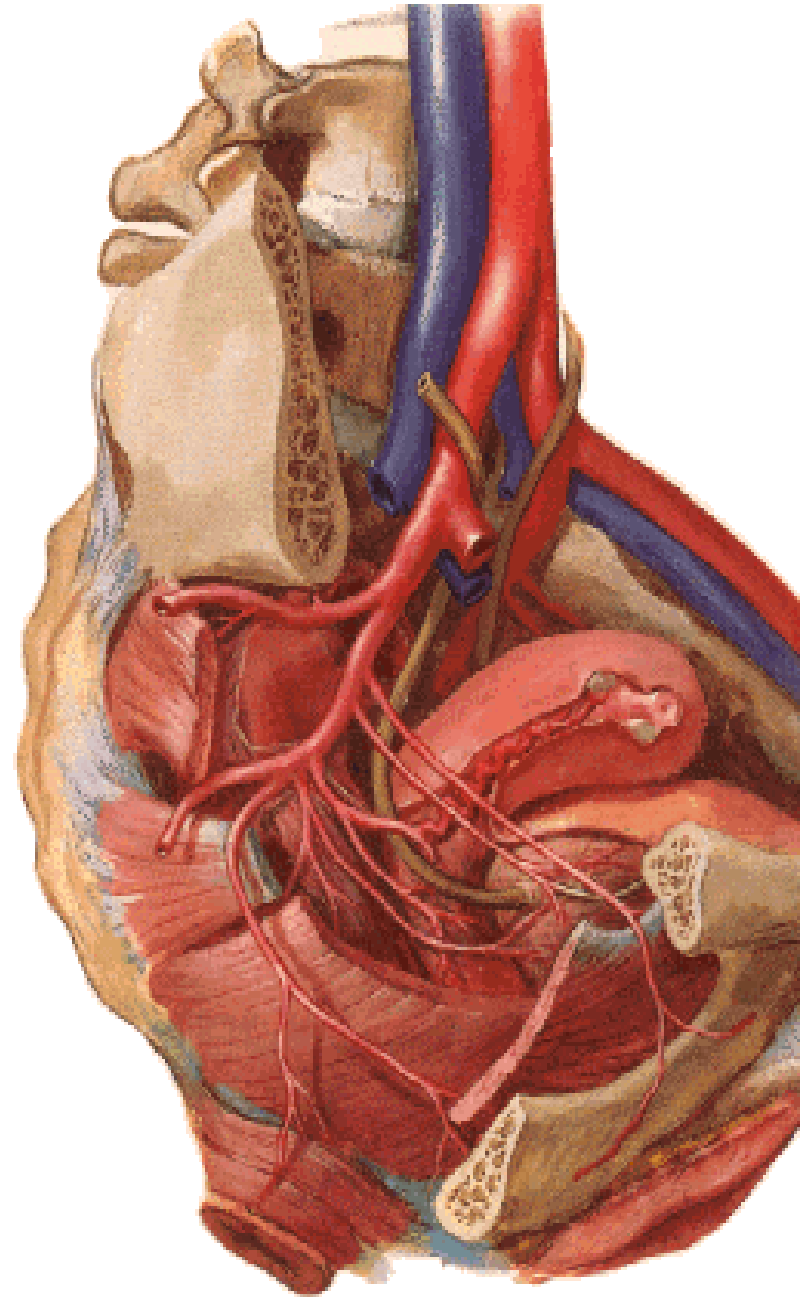
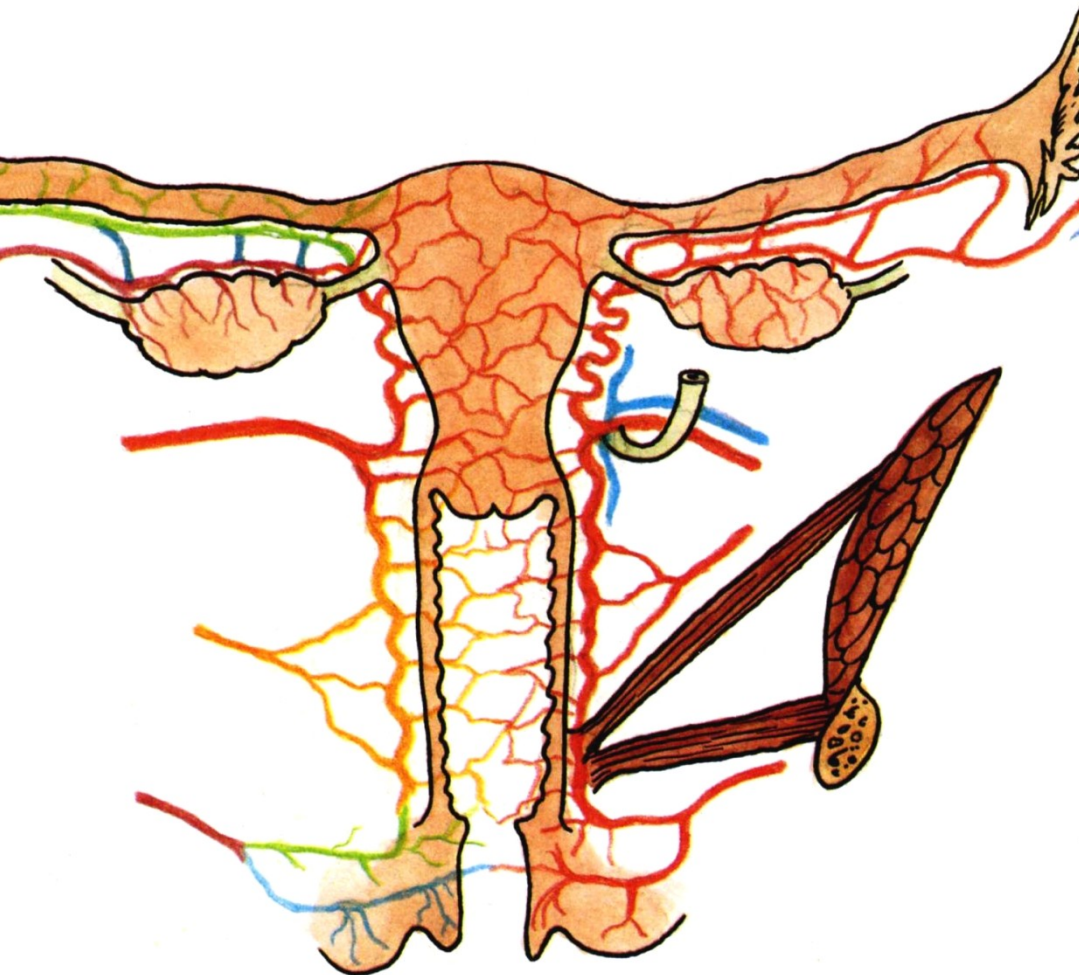
LIGAMENTUM LATUM UTERI
LIGAMENTUM OVARIUM PROPRIUM
LIGAMENTUM SUSPENSORIUM OVARIUM
LIGAMENTUM TERES UTERI



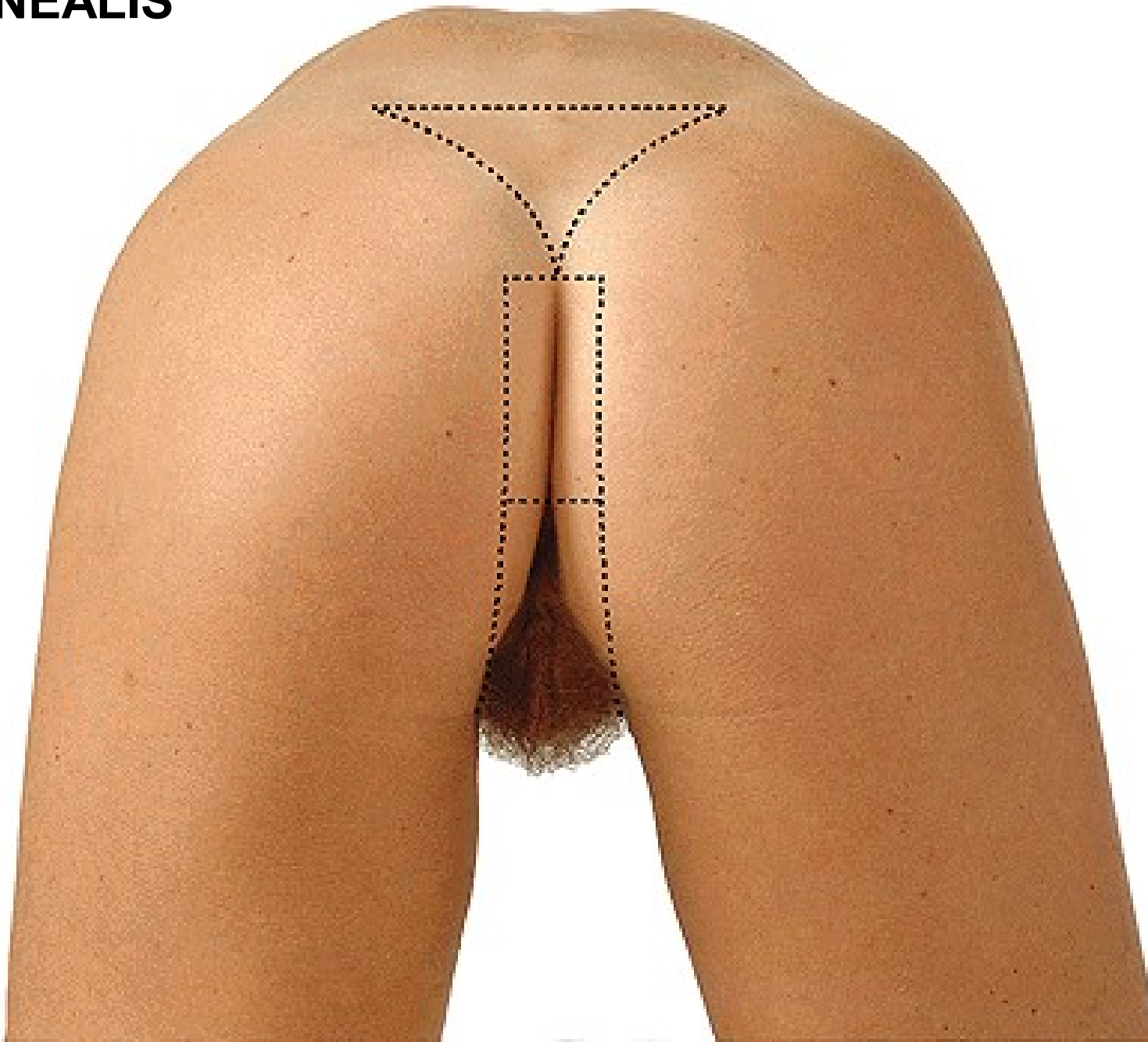
EXCAVATIO VESICOUTERINA
EXCAVATIO RECTOUTERINA (DOUGLAS)



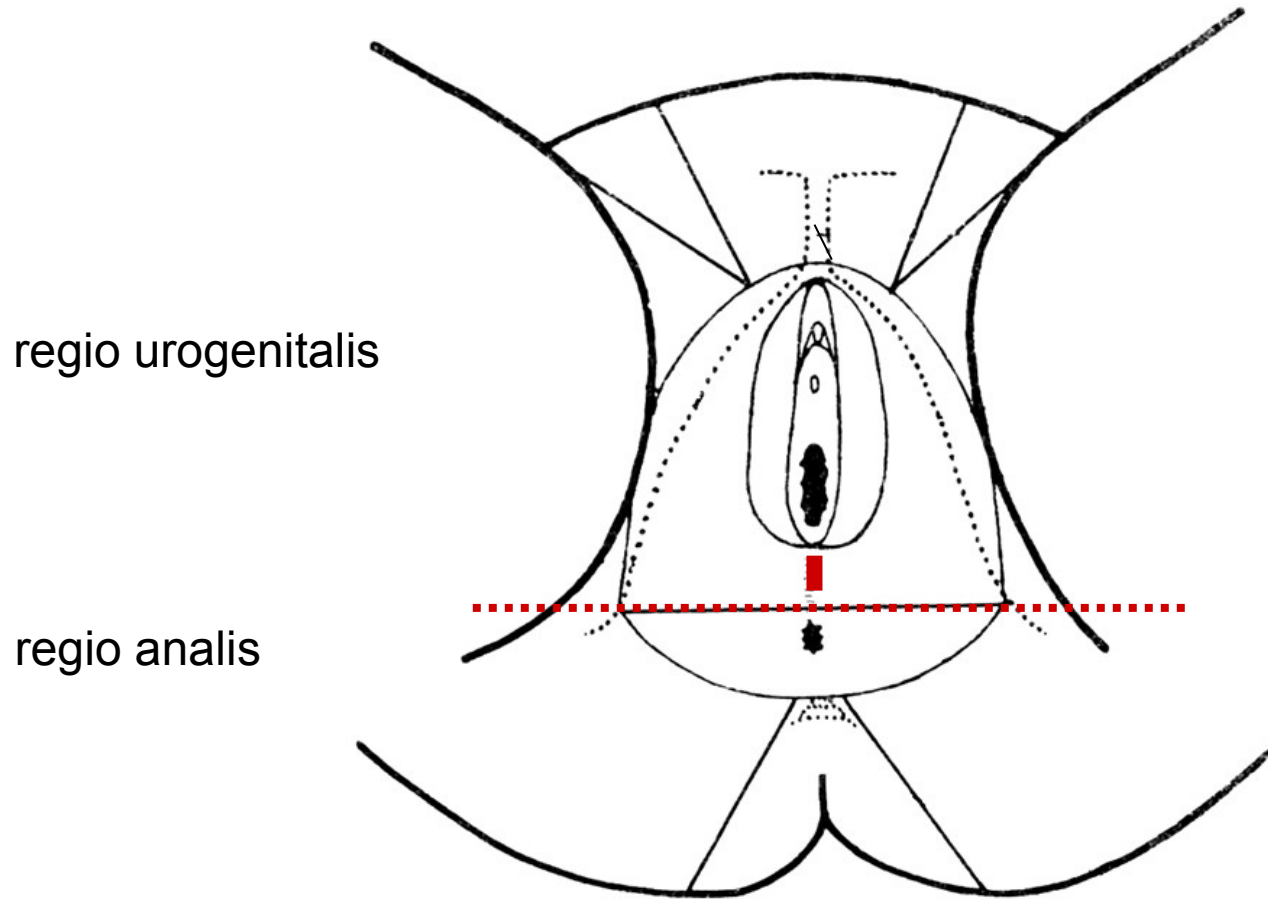
A. UTERINA X URETER



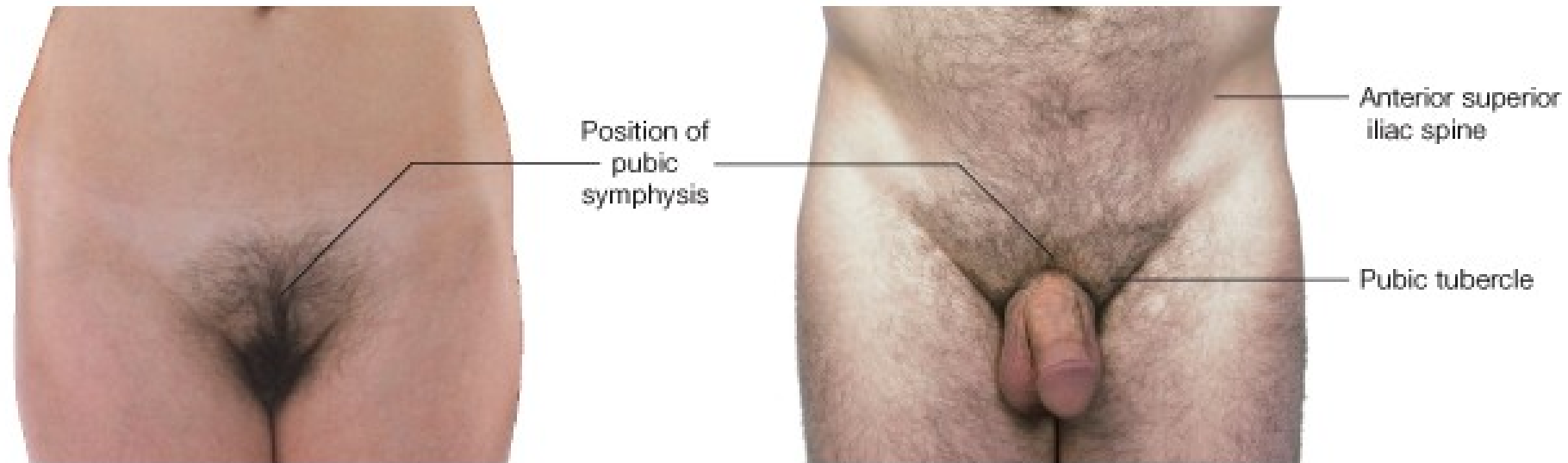
REGIO PERINEALIS



REGIO PERINEALIS



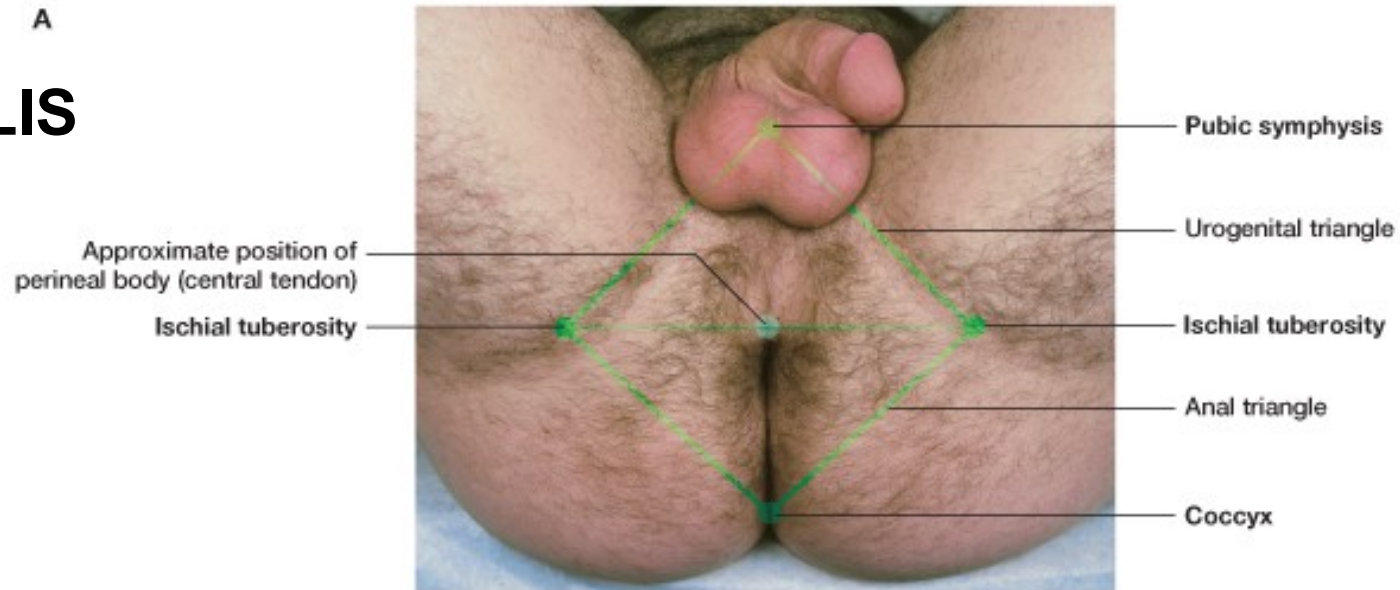
REGIO UROGENITALIS



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REGIO ANALIS

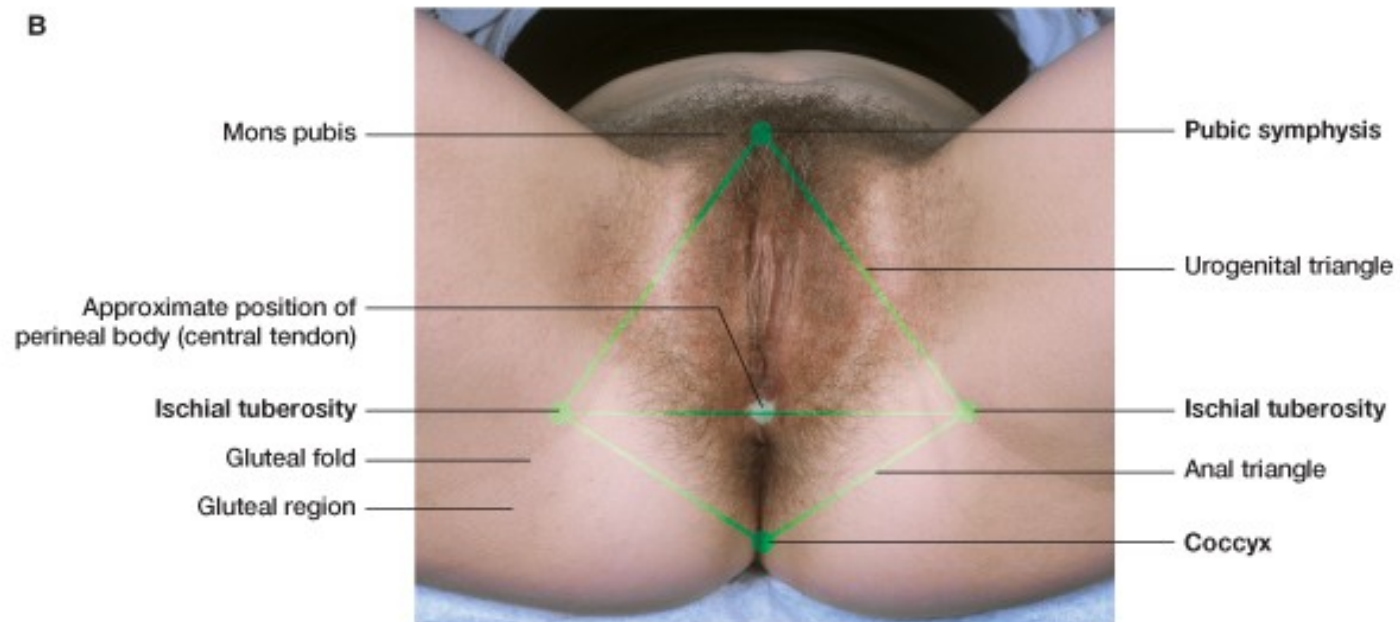
A



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B



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

**Netter: Interactive Atlas of Human Anatomy.
Windows Version 2.0**

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

**Platzer W. Atlas topografické anatomie.
Grada Publishing 1996**

