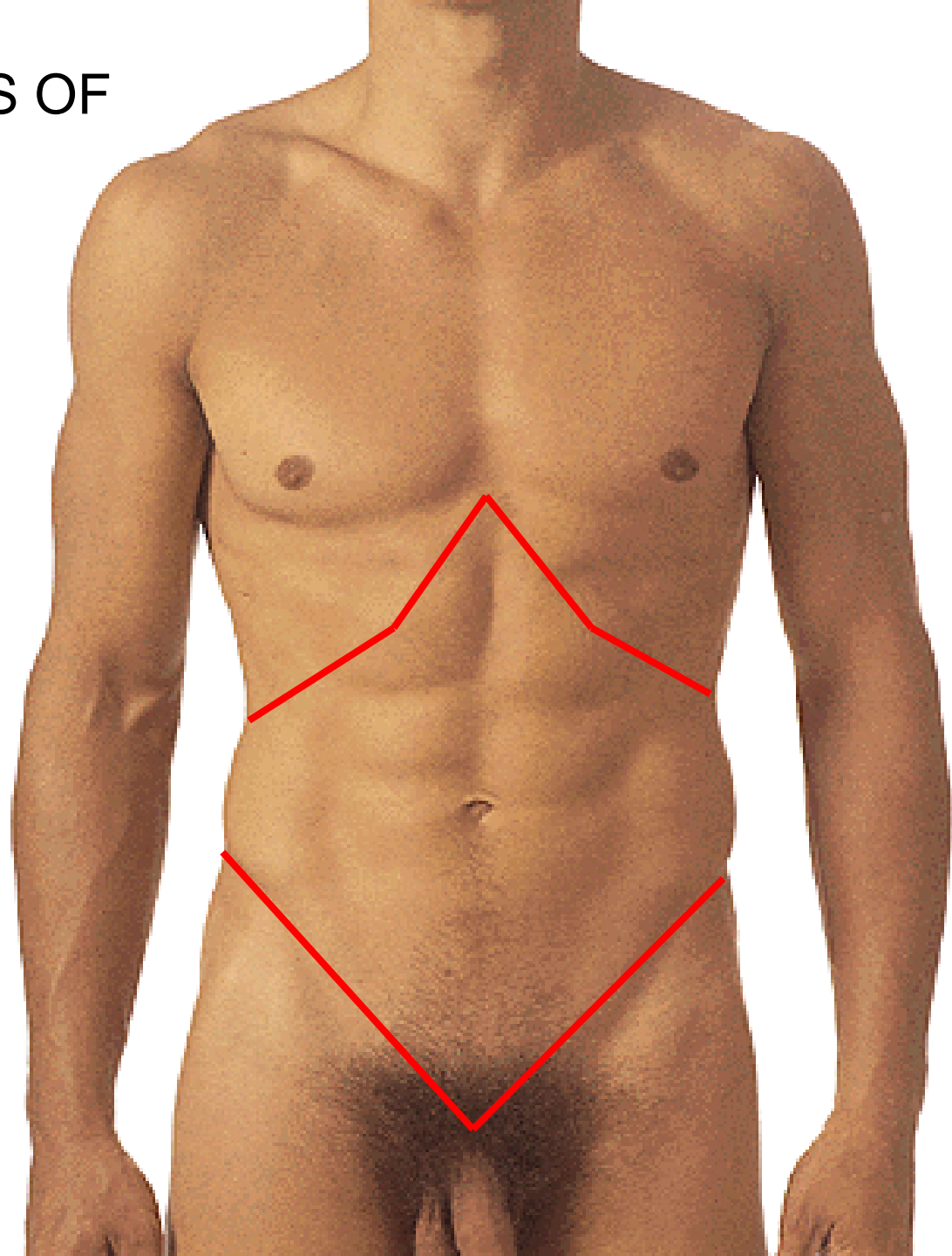


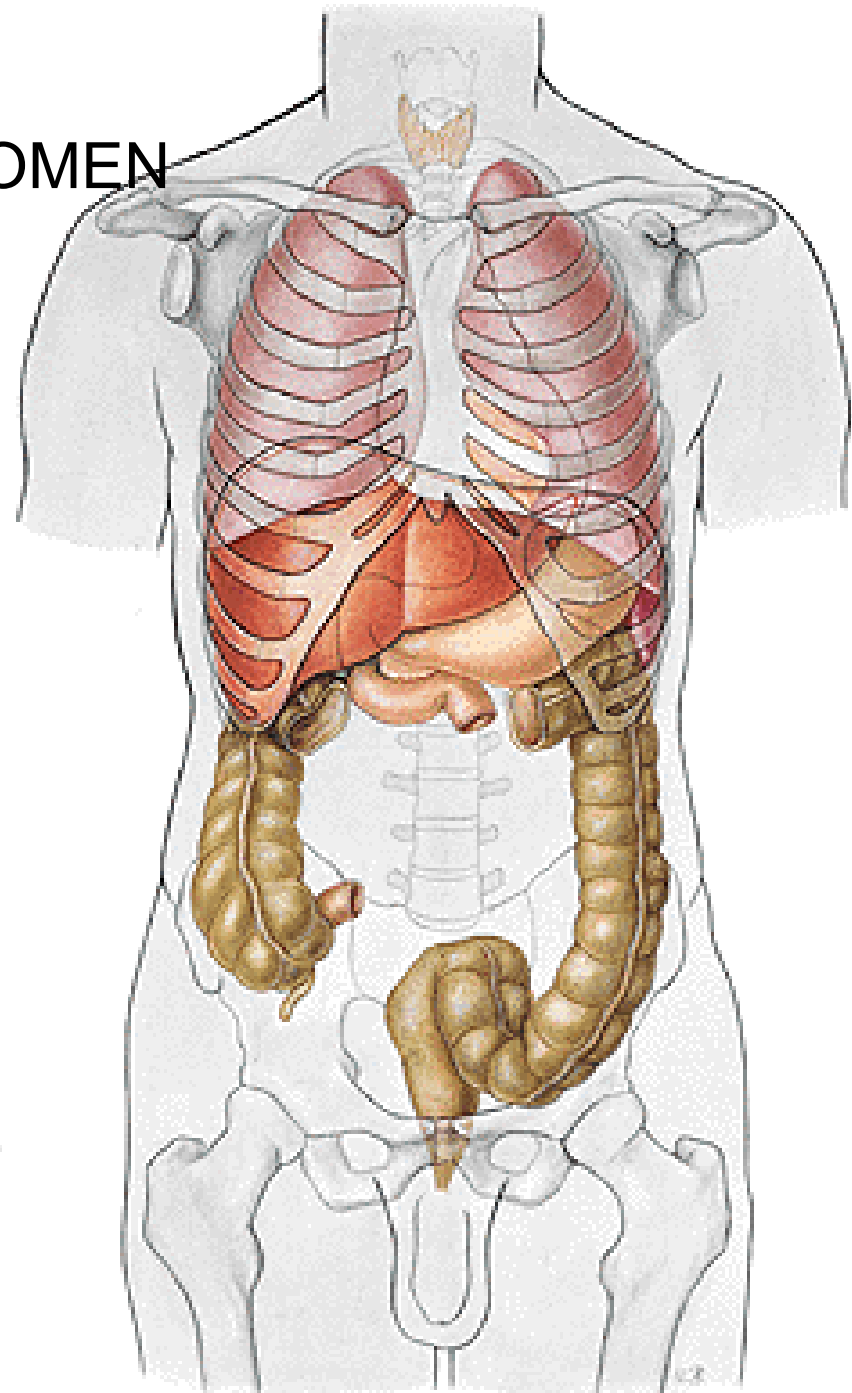
PROJECTION OF ORGANS ONTO THE ABDOMINAL WALL

SUPERFICIAL BORDERS OF THE ABDOMEN

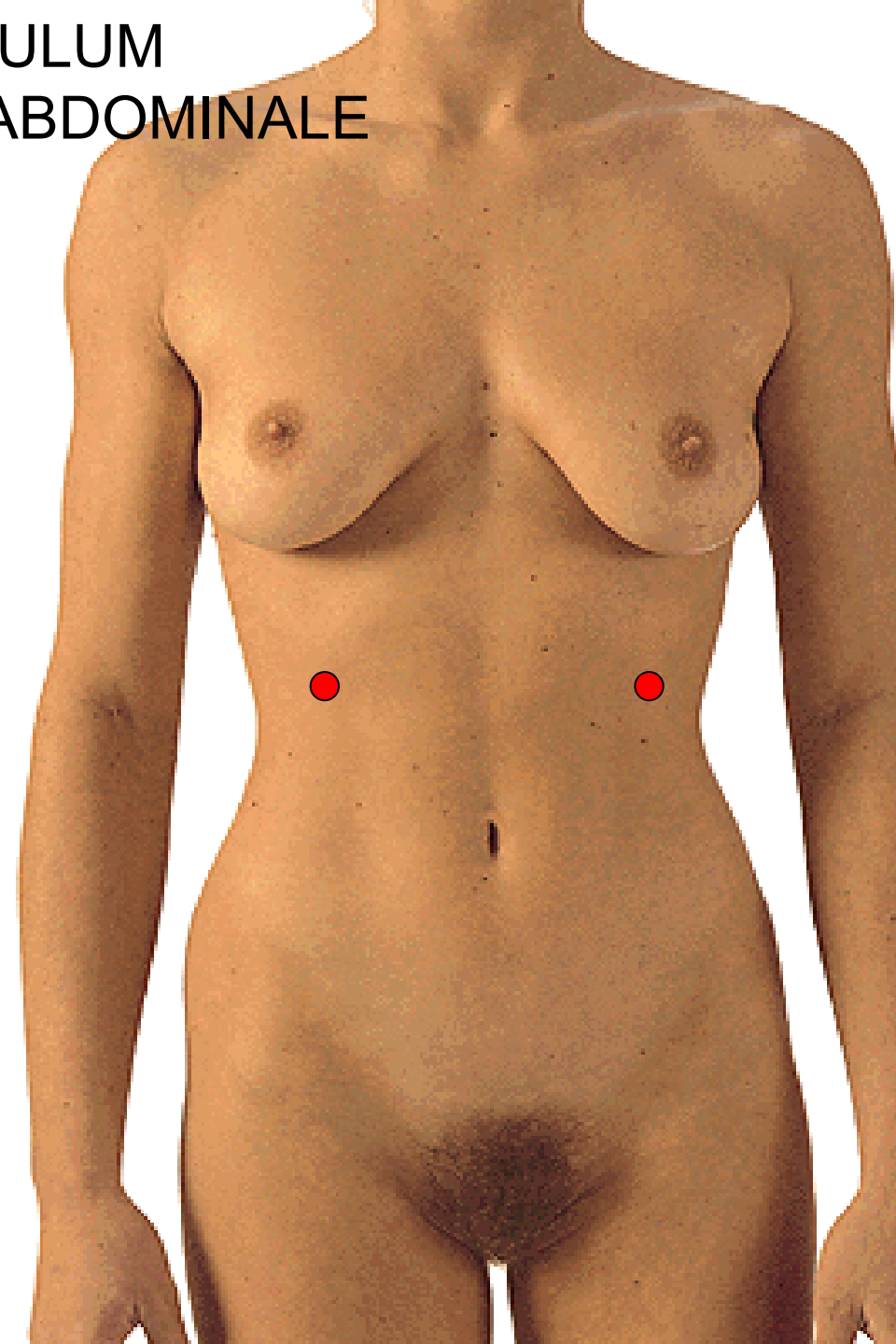
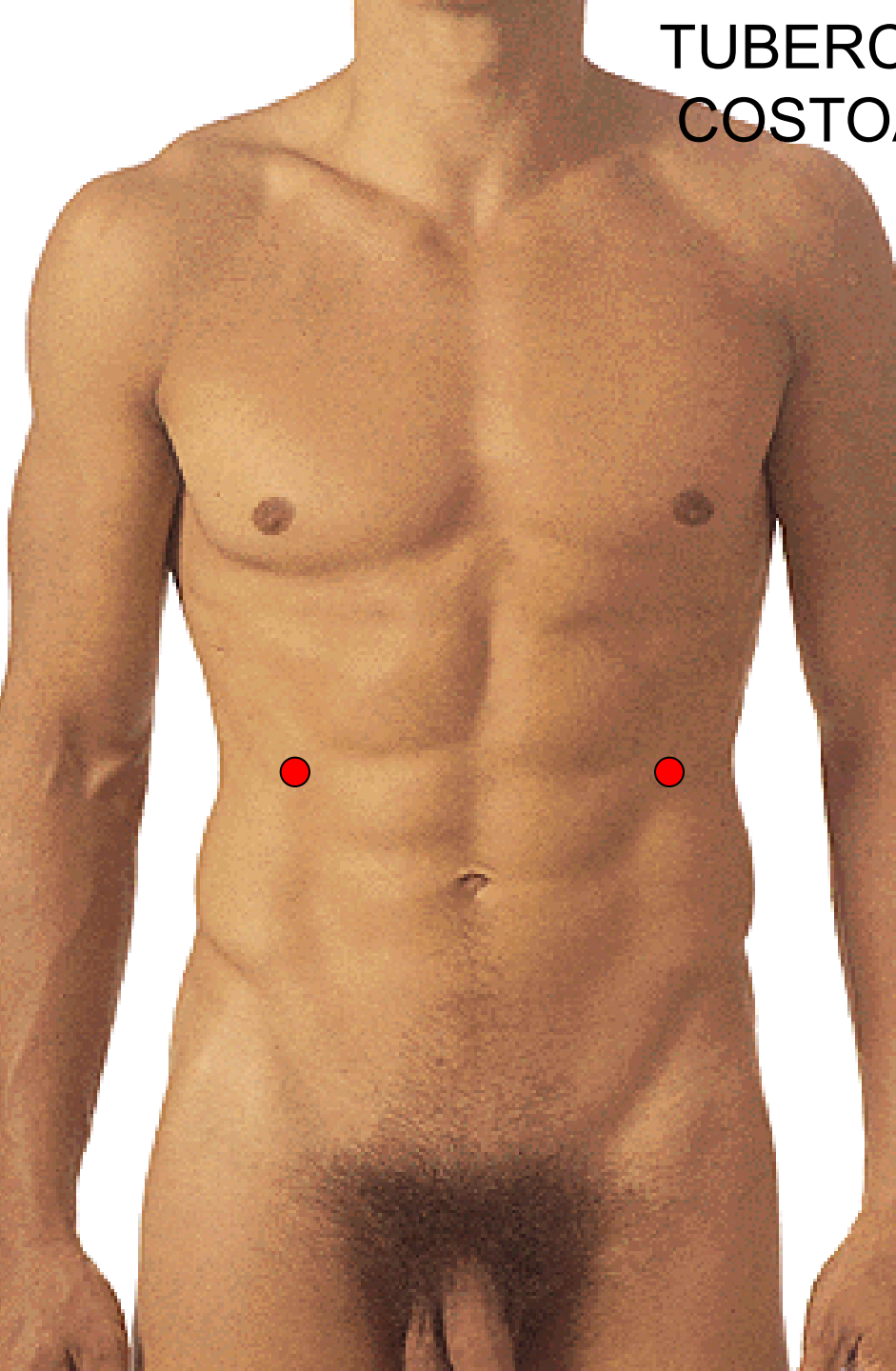


DEEP BORDERS OF THE ABDOMEN

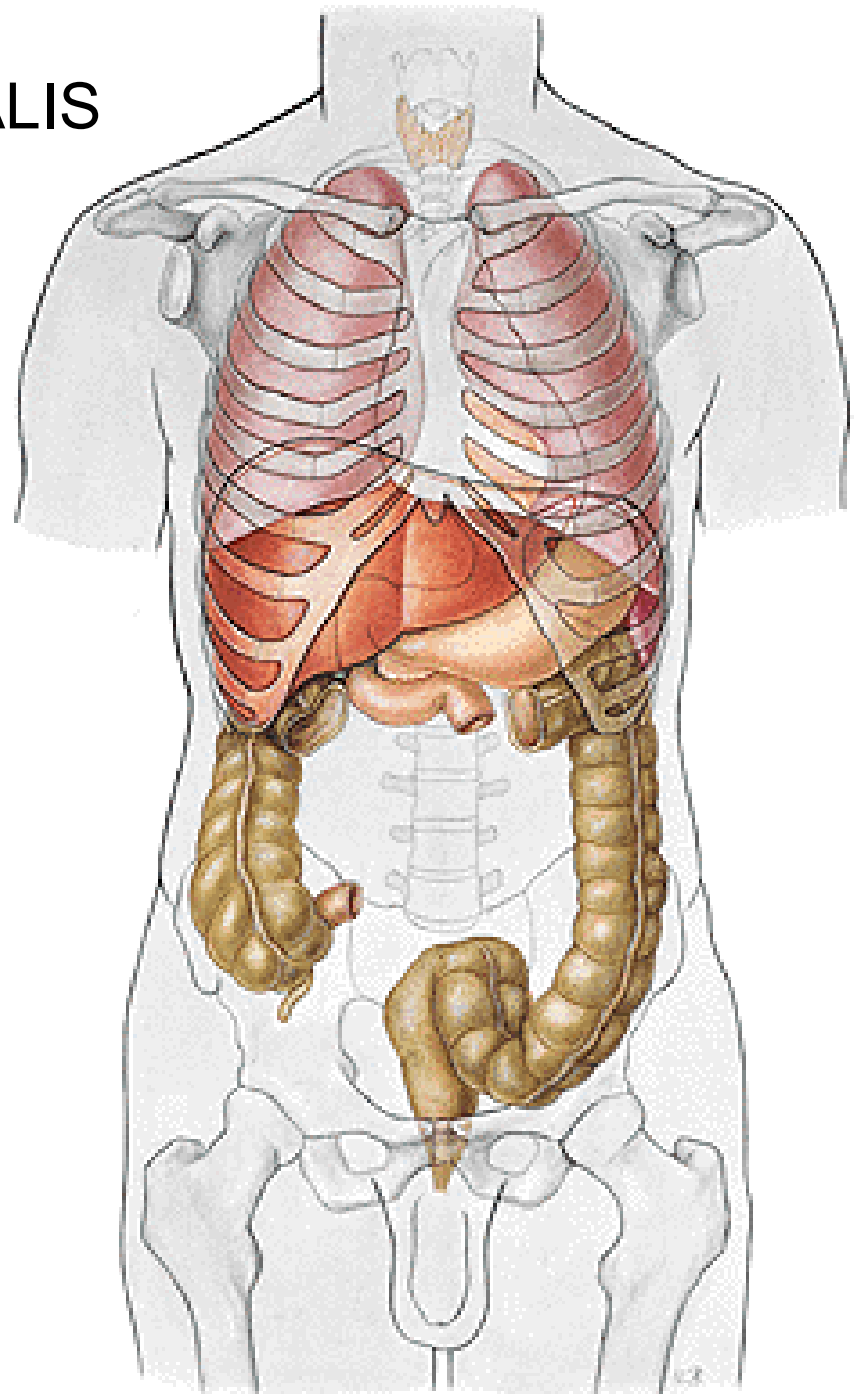
- DIAPHRAGMA
- LINEA TERMINALIS



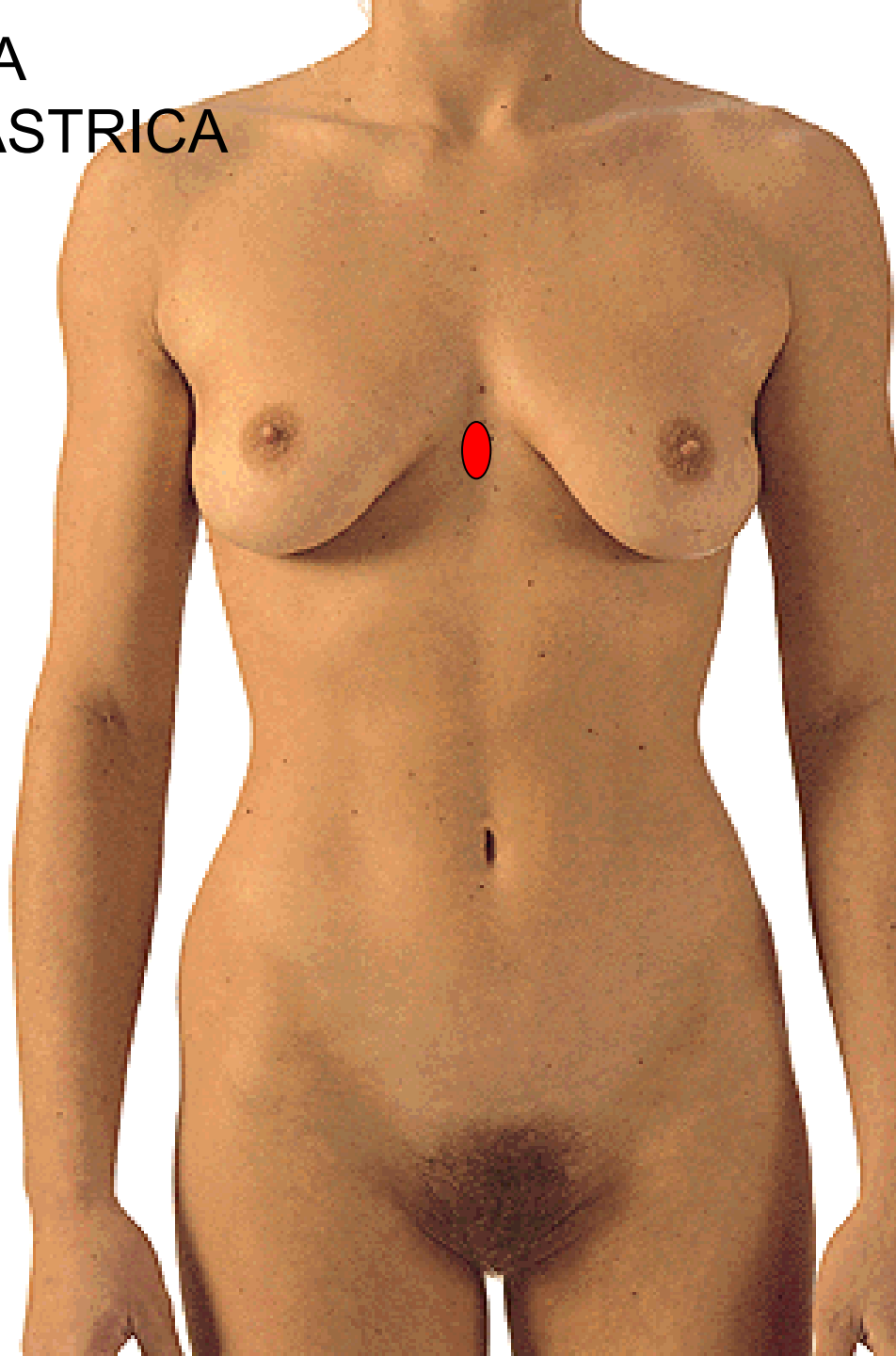
TUBERCULUM
COSTOABDOMINALE



ANGULUS INFRASTERNALIS



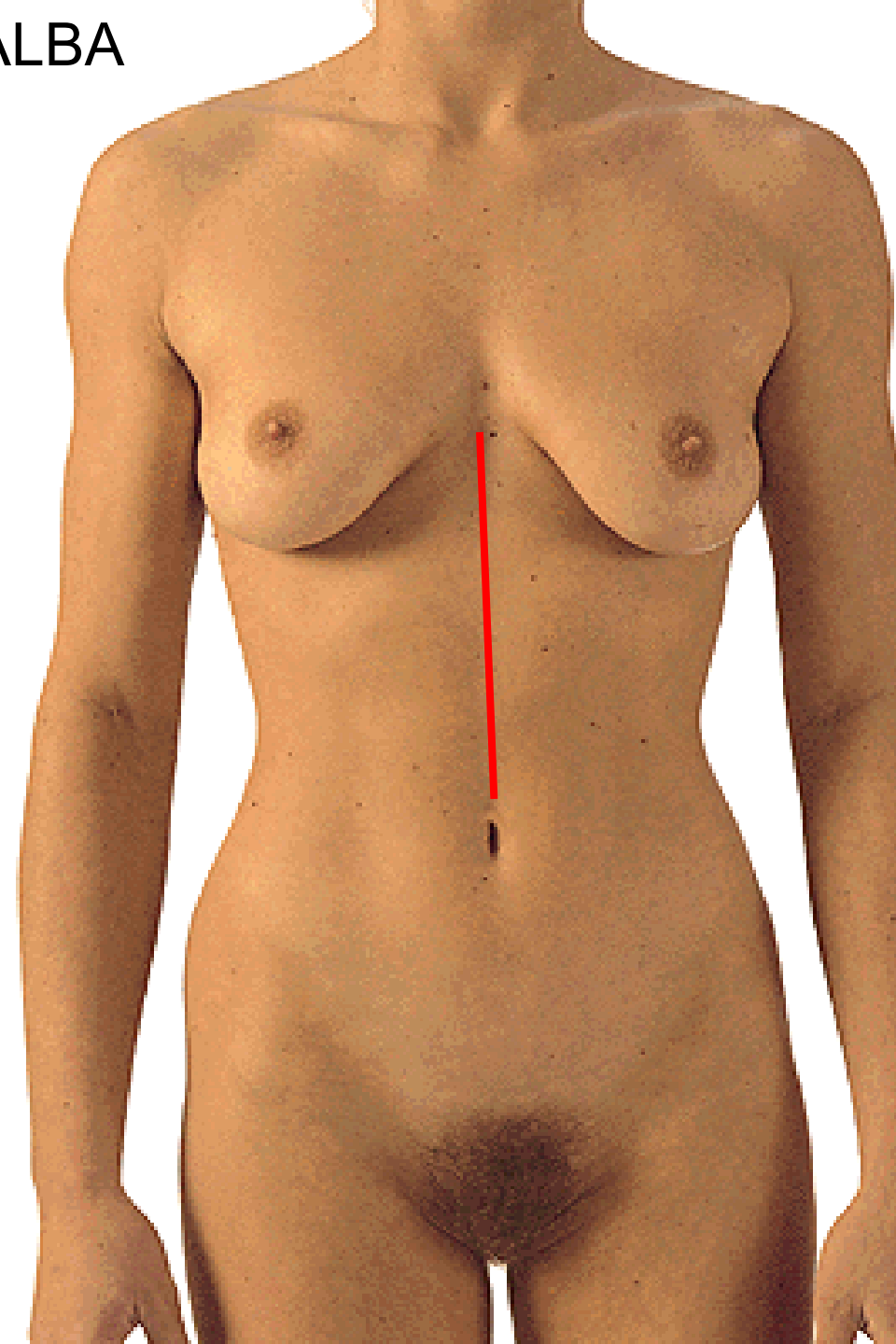
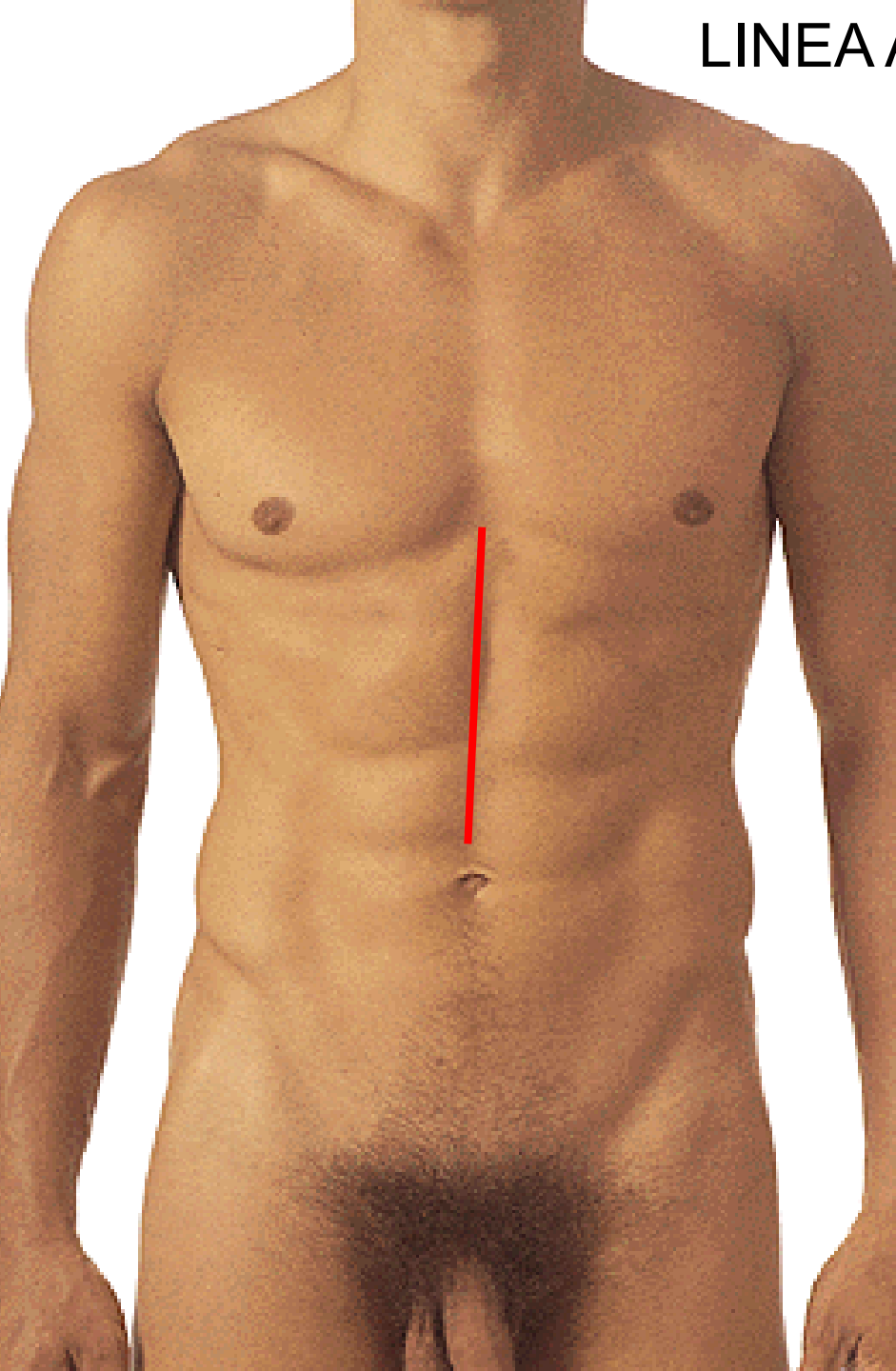
FOSSA
EPIGASTRICA



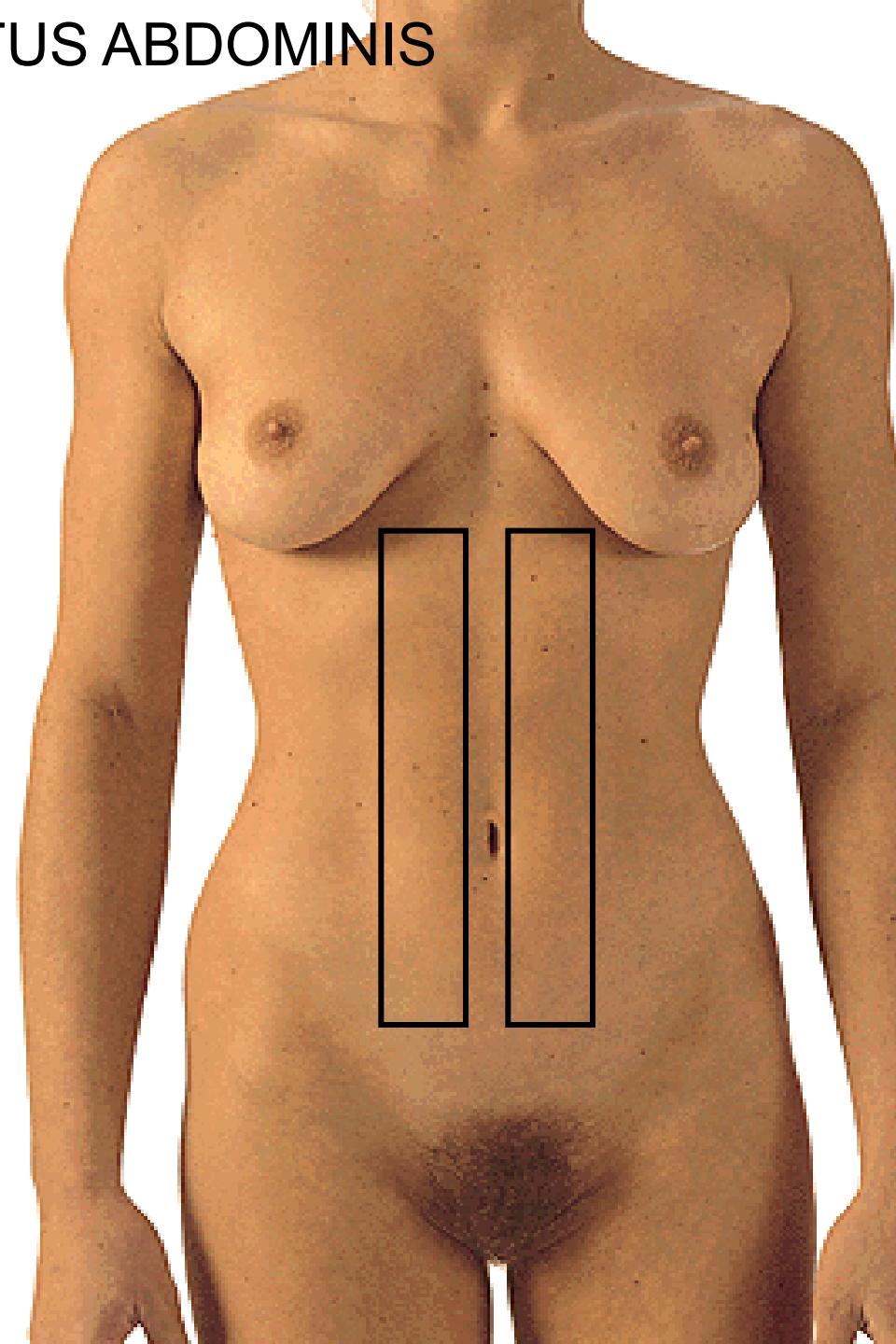
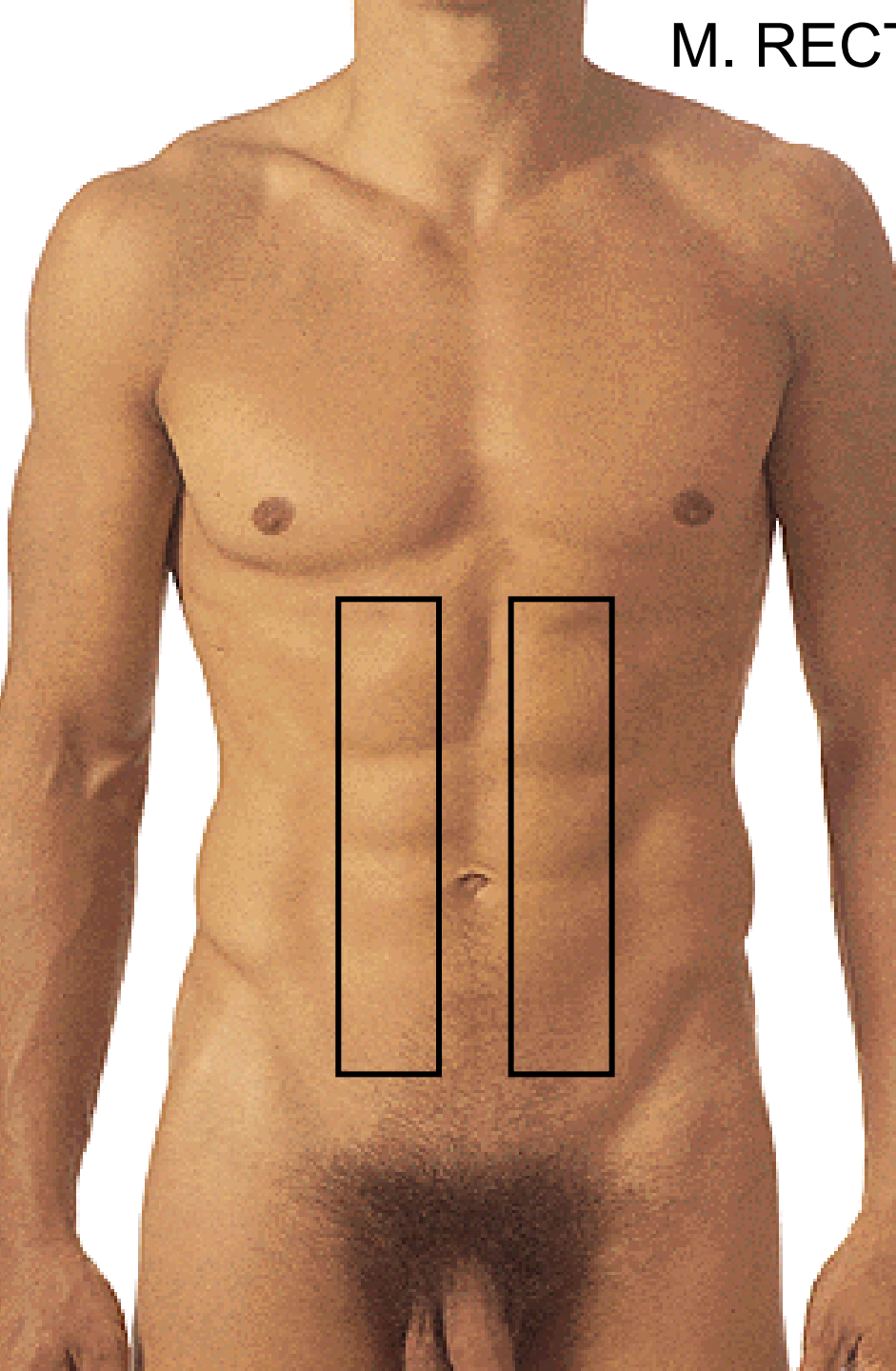
UMBILICUS – L3/L4



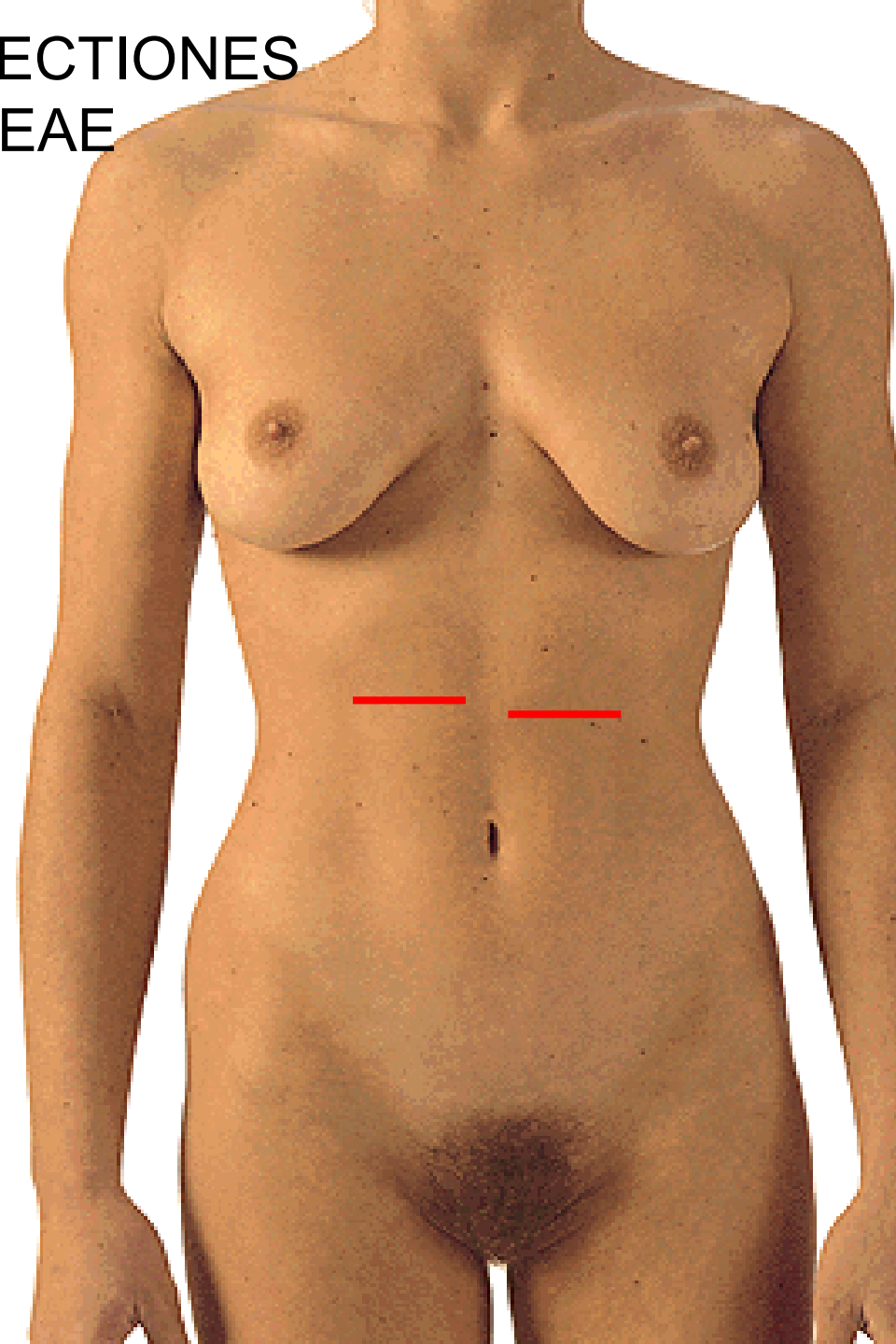
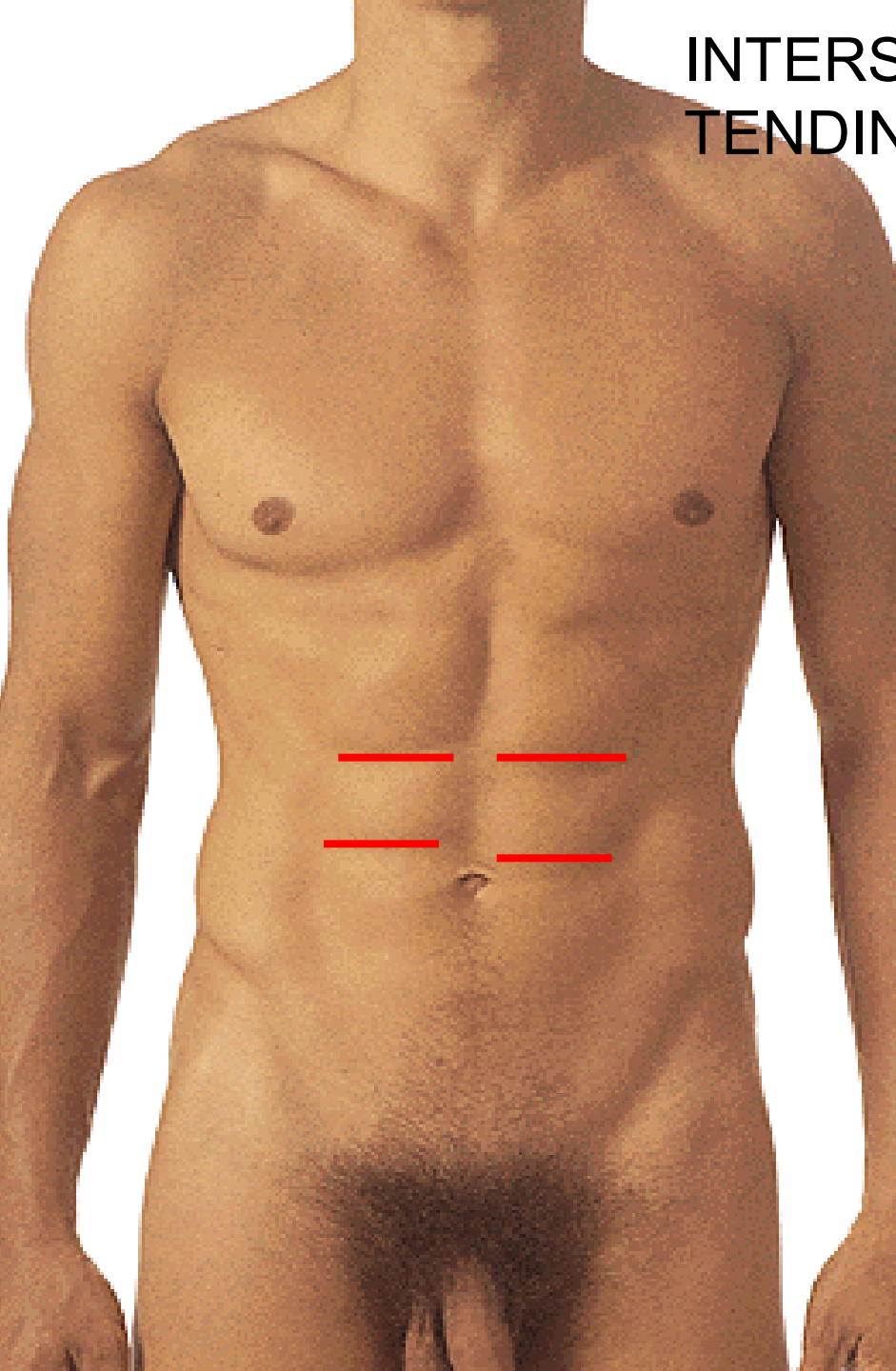
LINEA ALBA



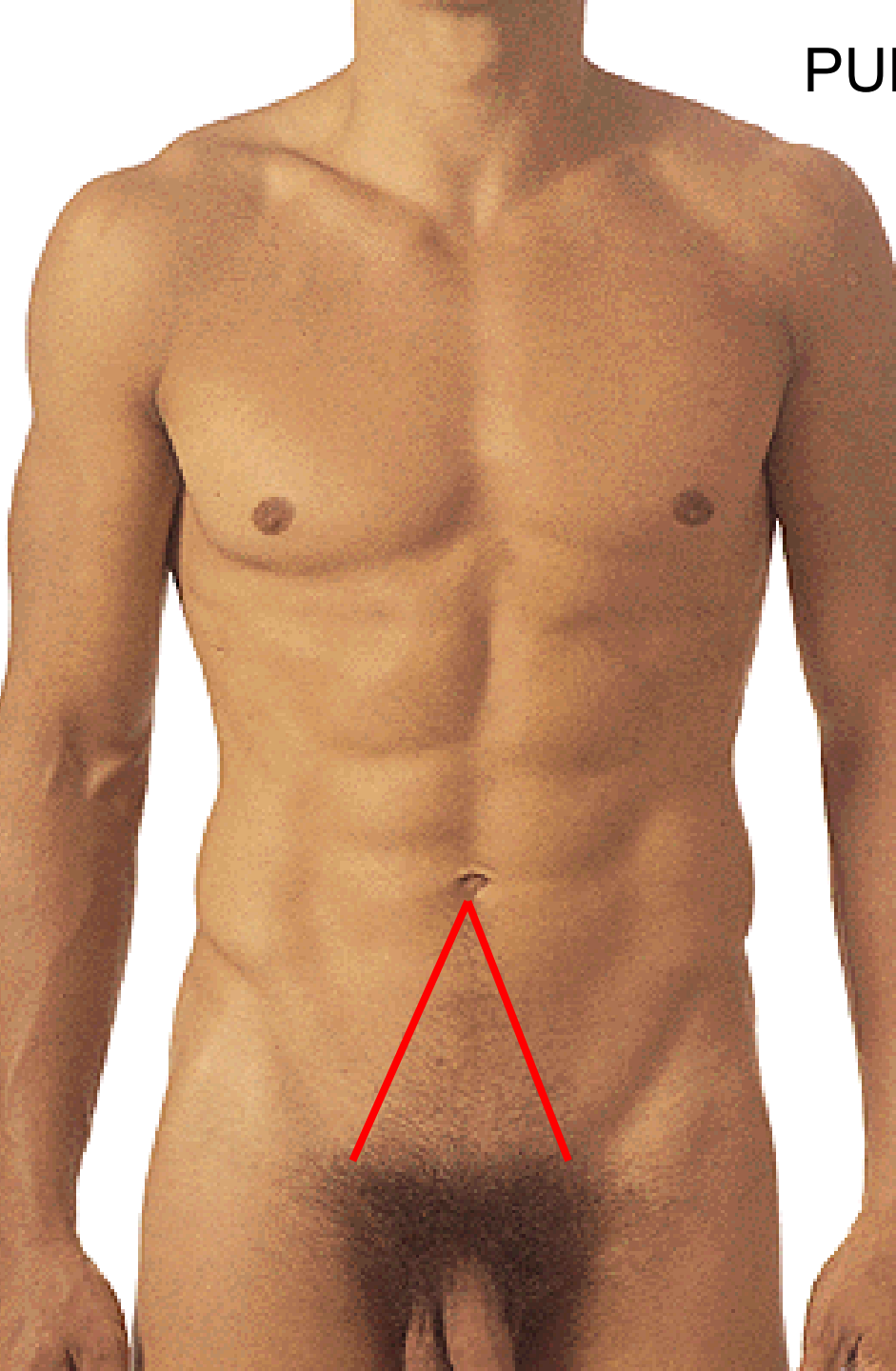
M. RECTUS ABDOMINIS



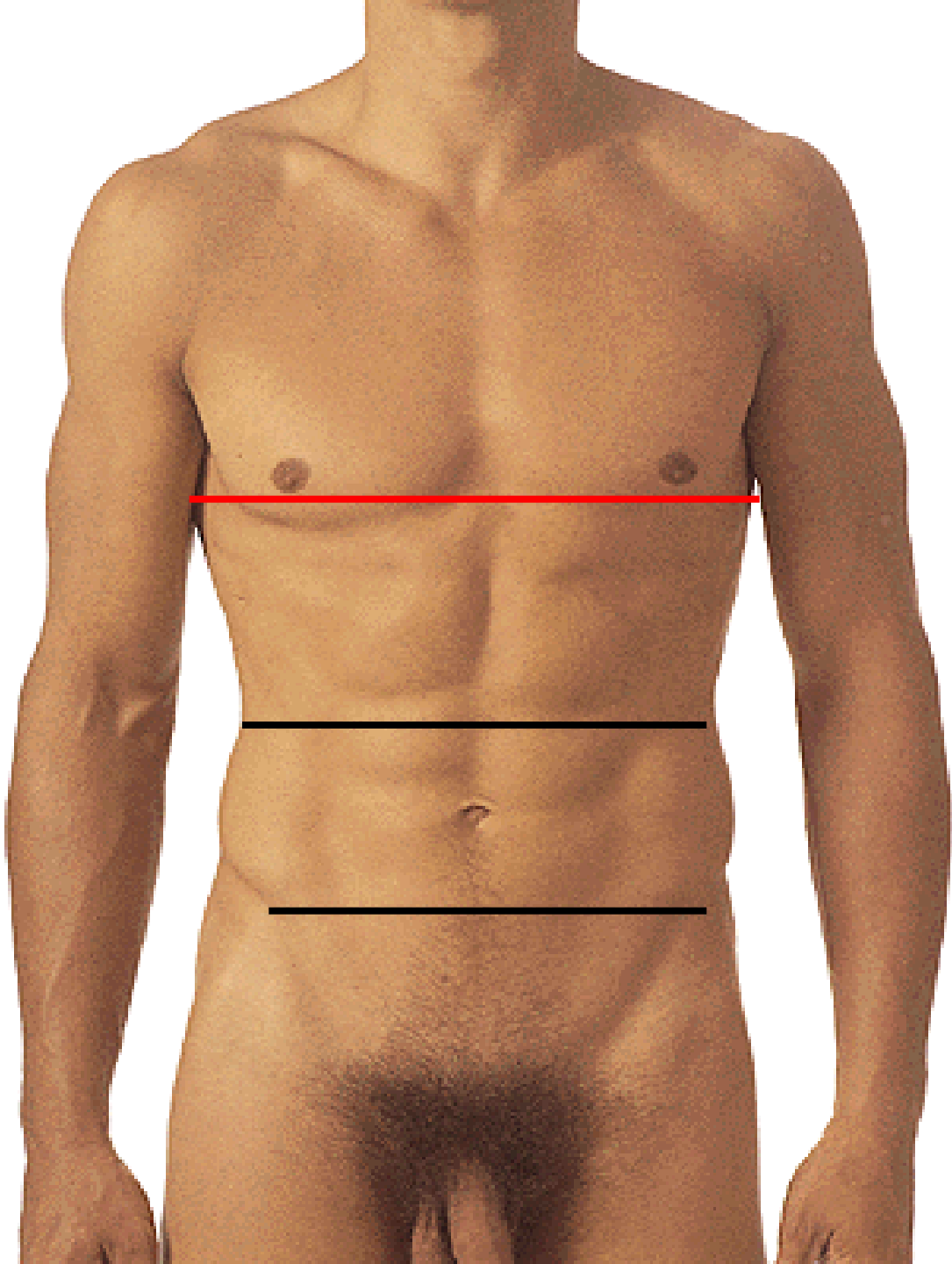
INTERSECTIONS TENDINEAE



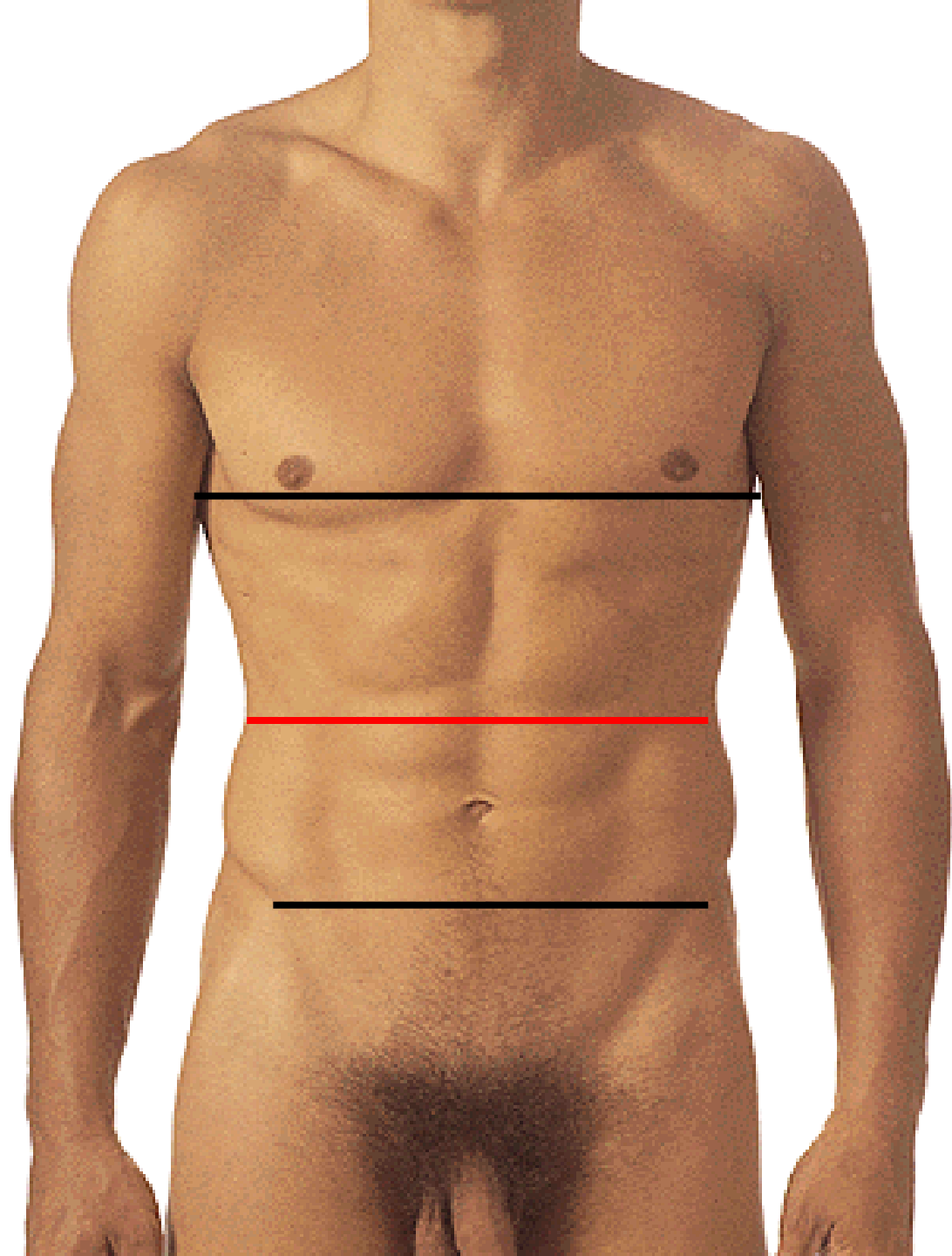
PUBES



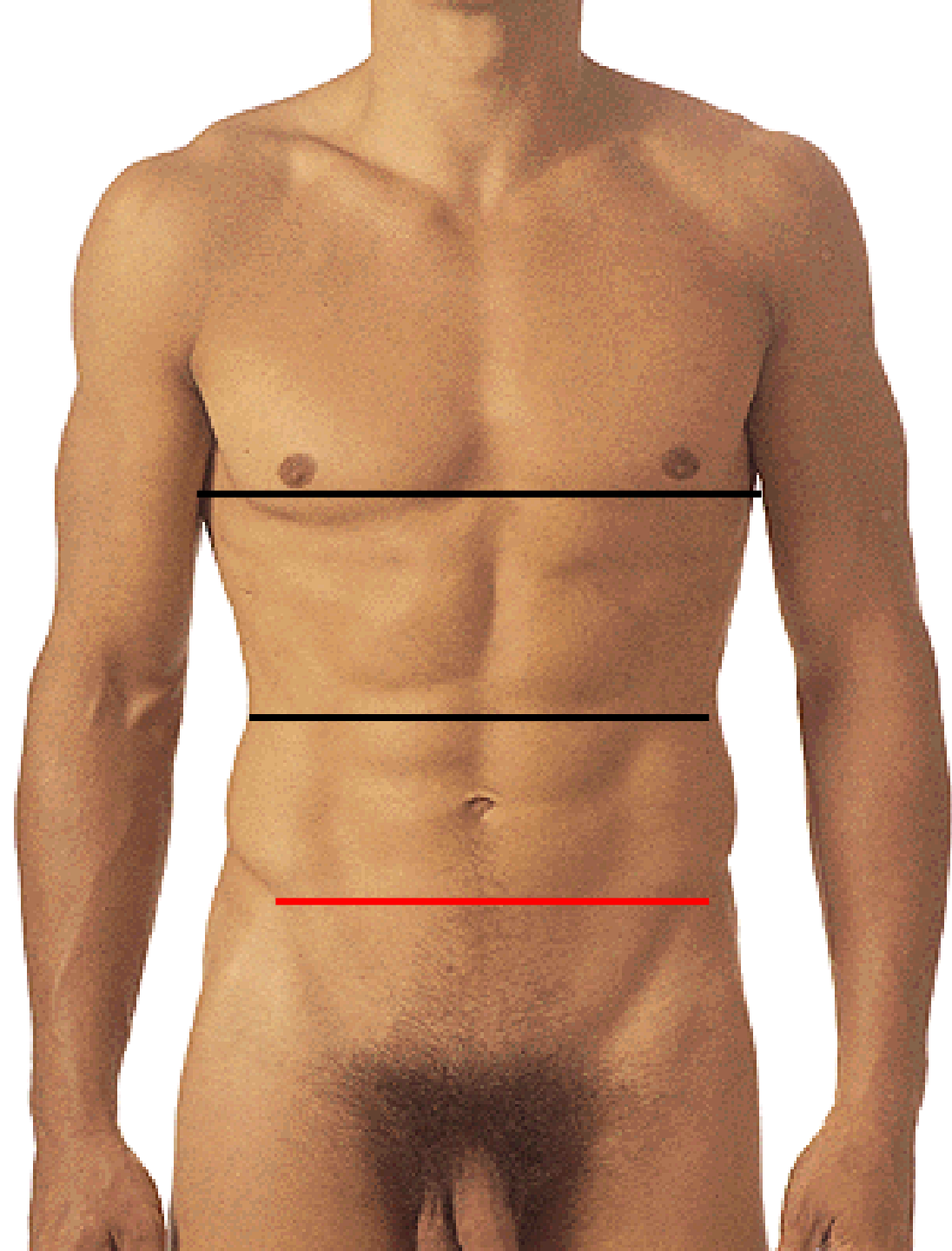
LINEA XIPHISTERNALIS



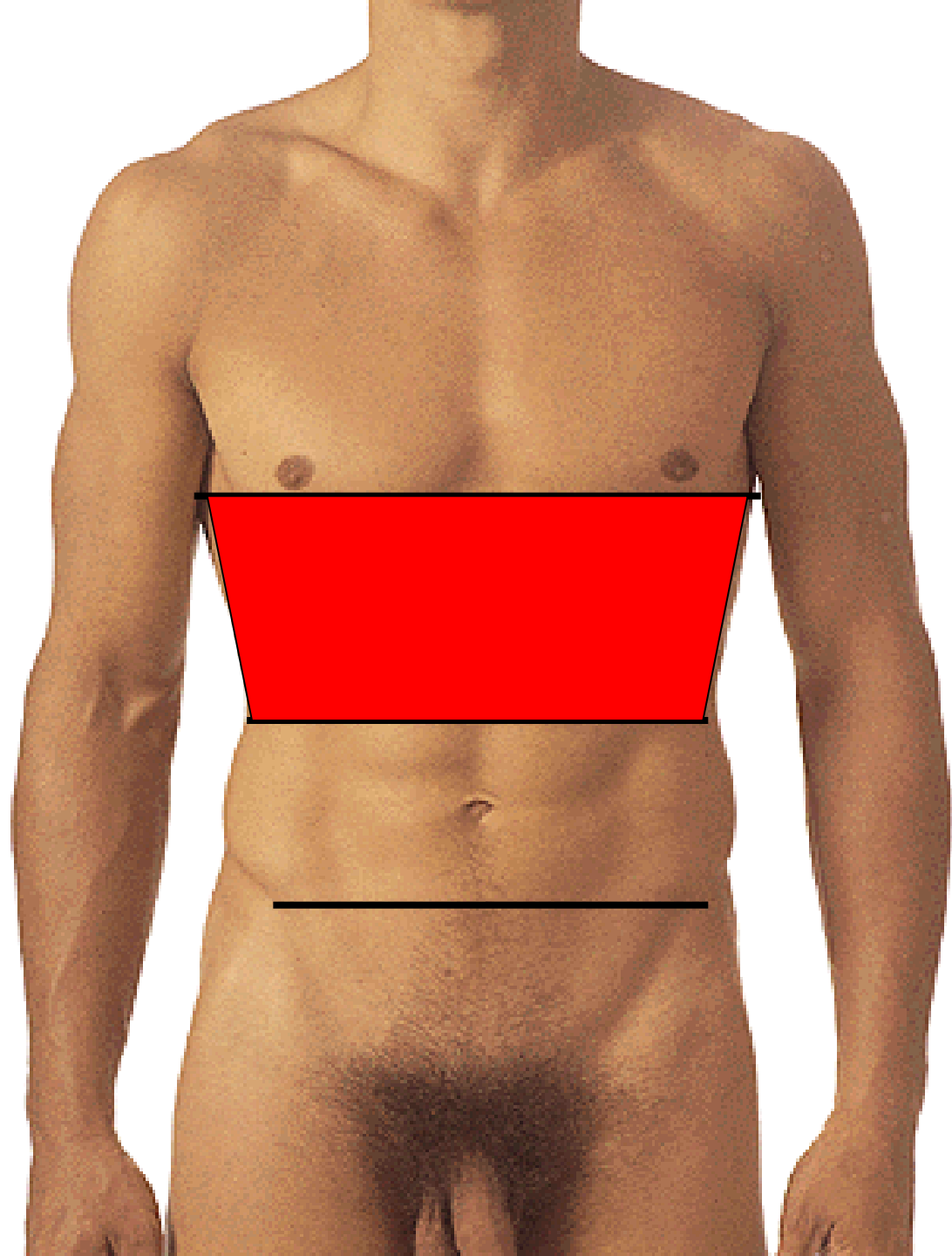
LINEA SUBCOSTALIS



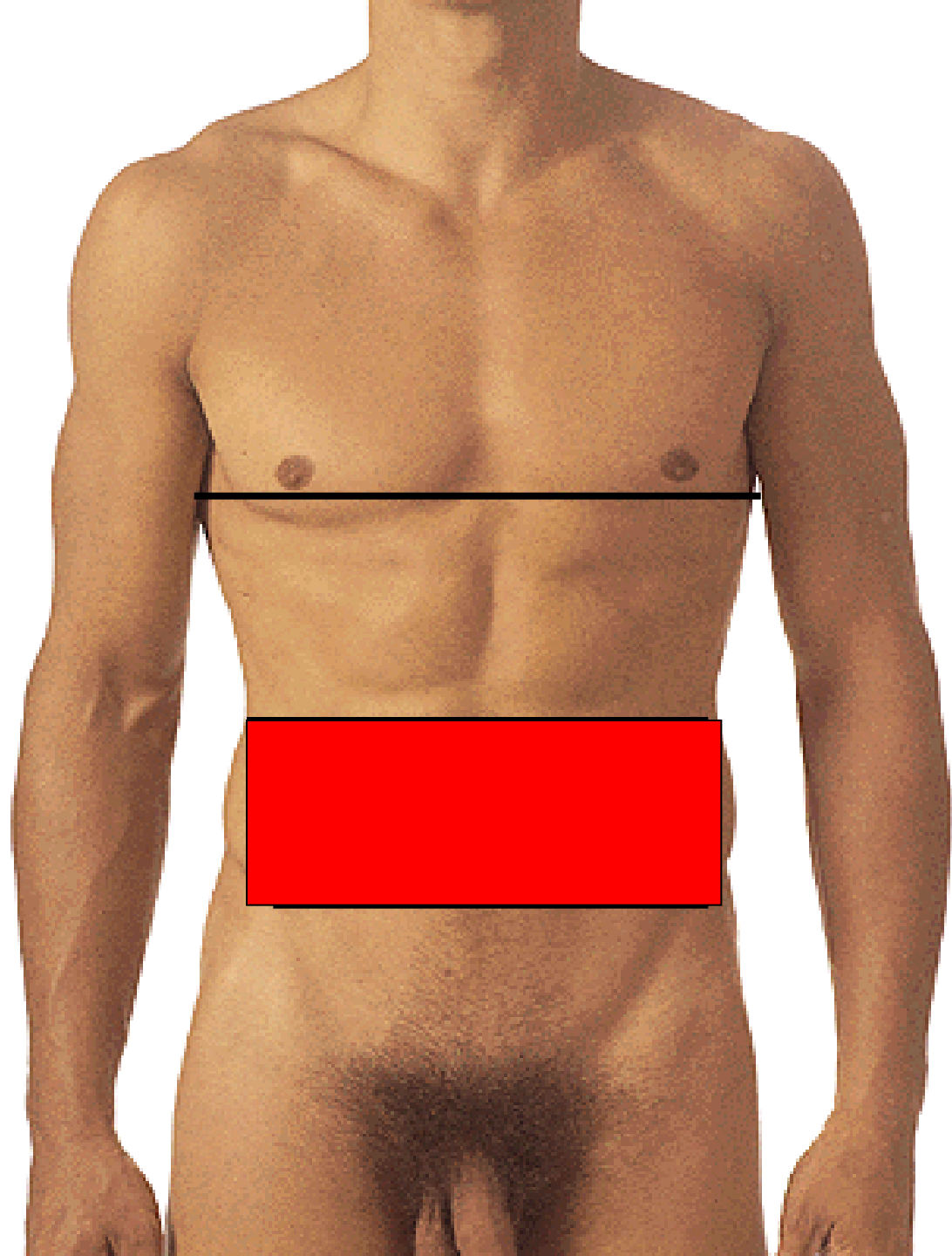
LINEA INTERSPINALIS



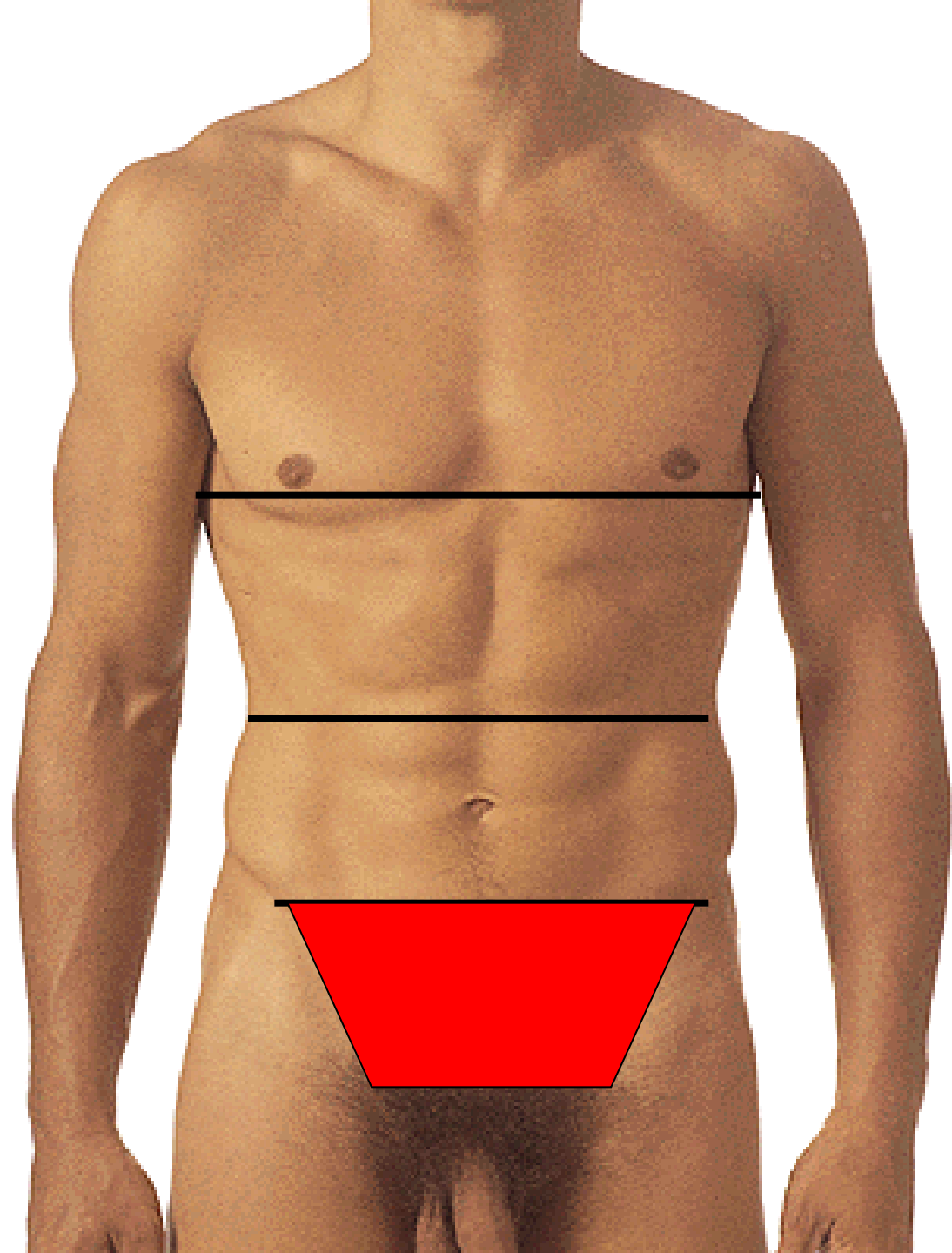
EPIGASTRIUM

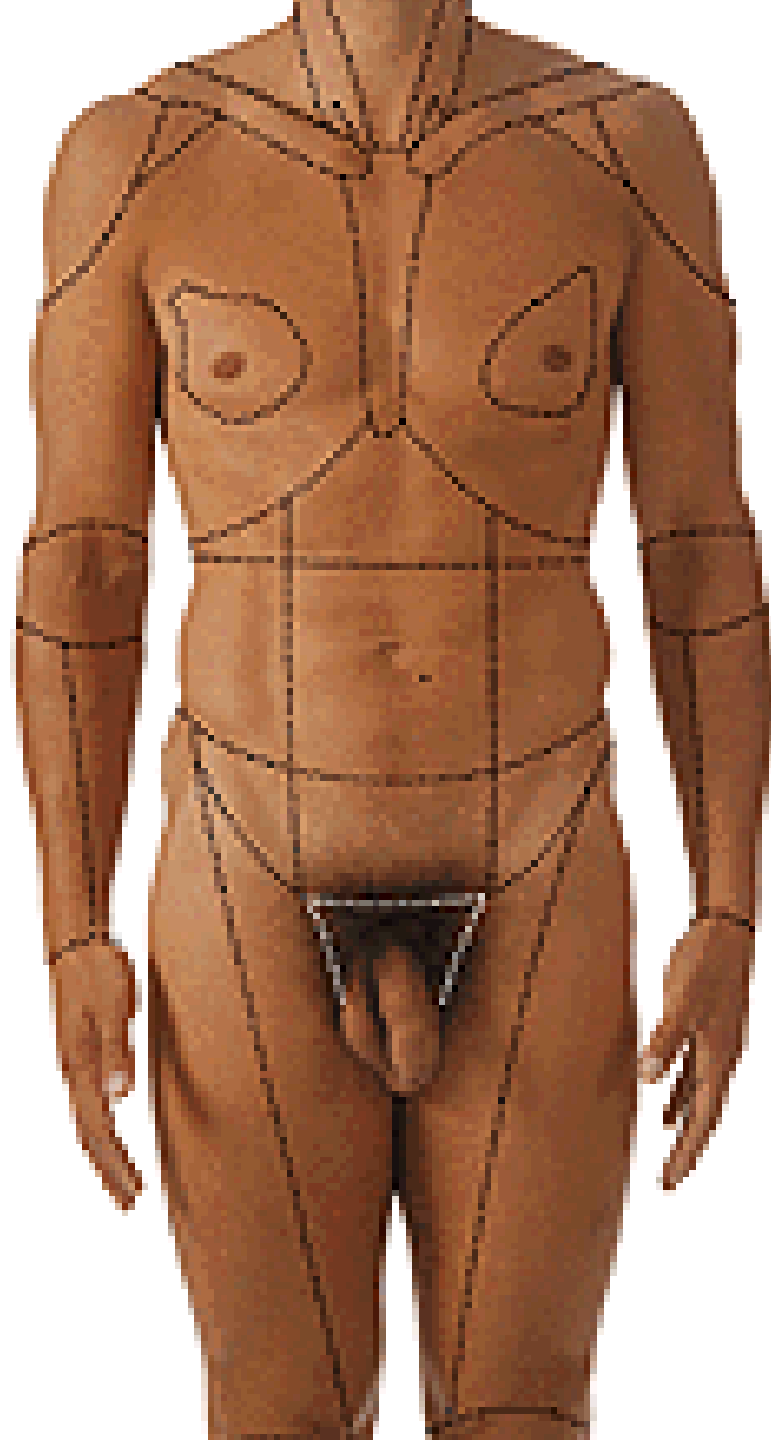


MESOGASTRIUM

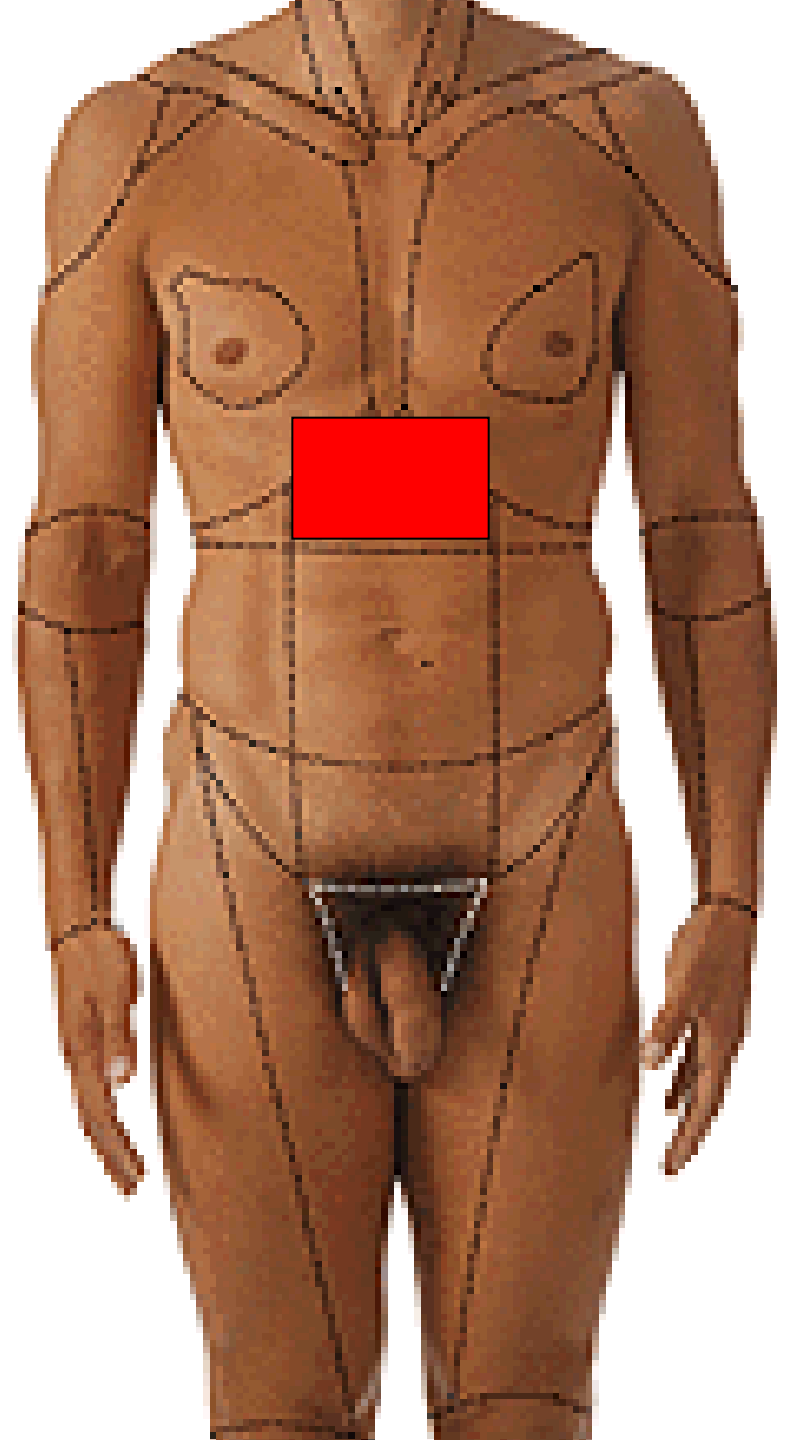


HYPOGASTRIUM

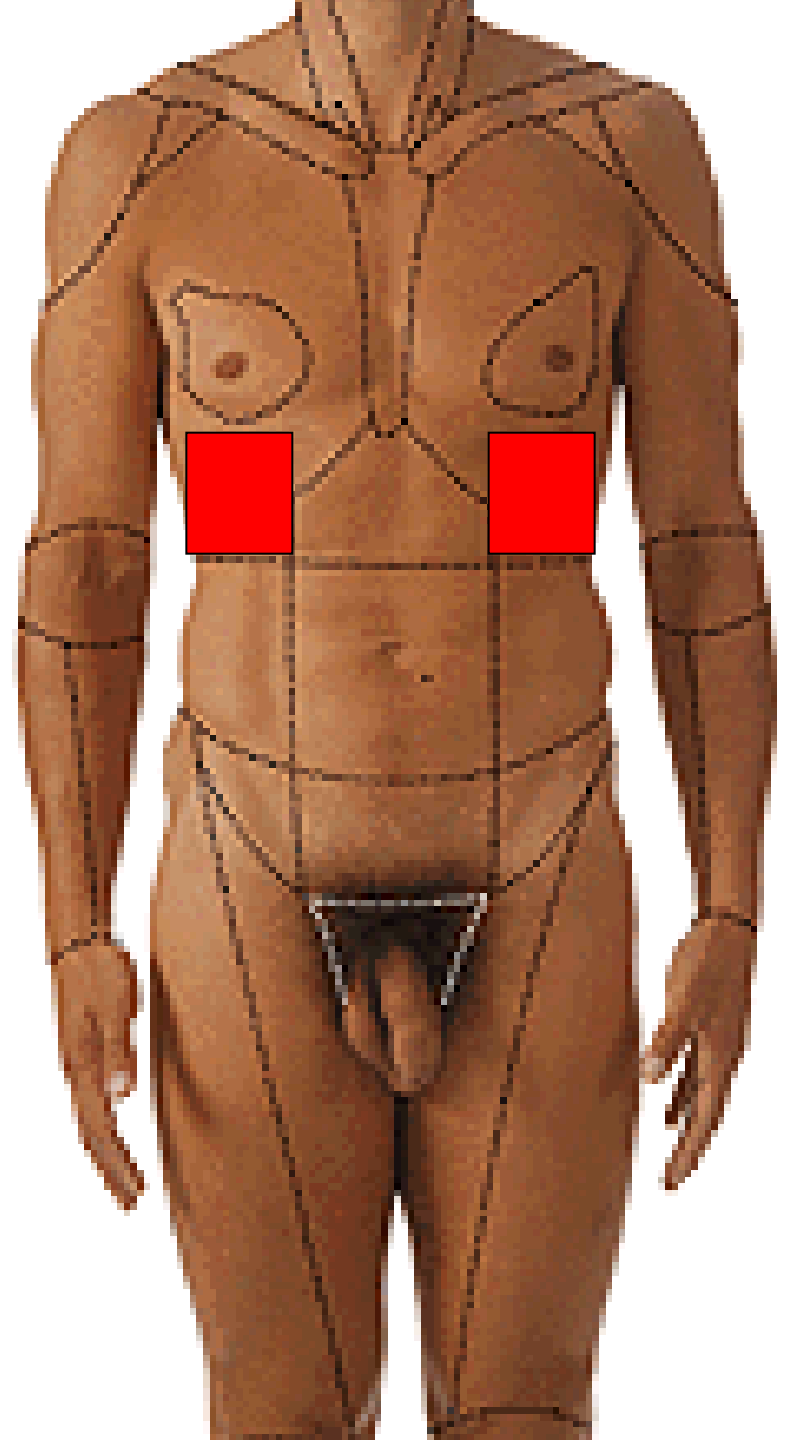




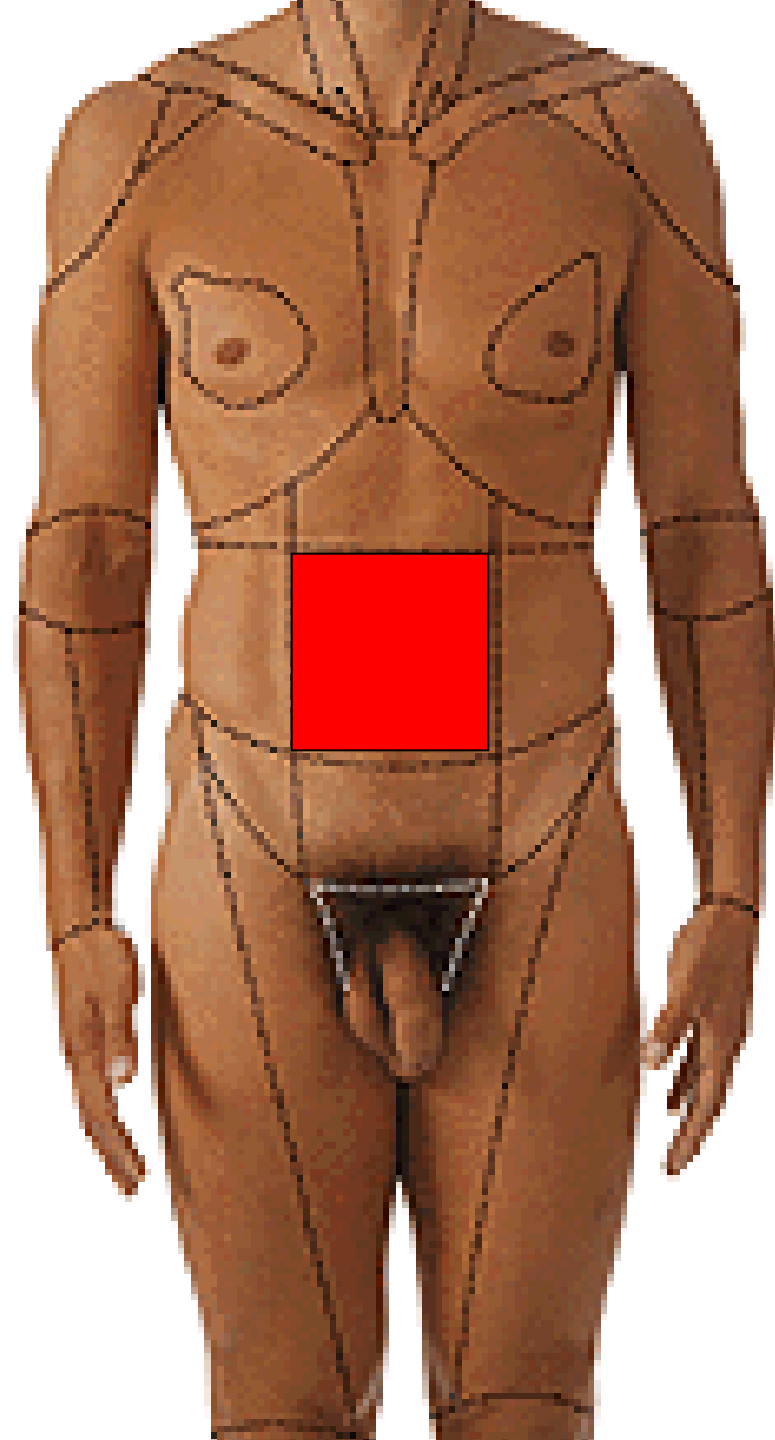
REGIO EPIGASTRICA



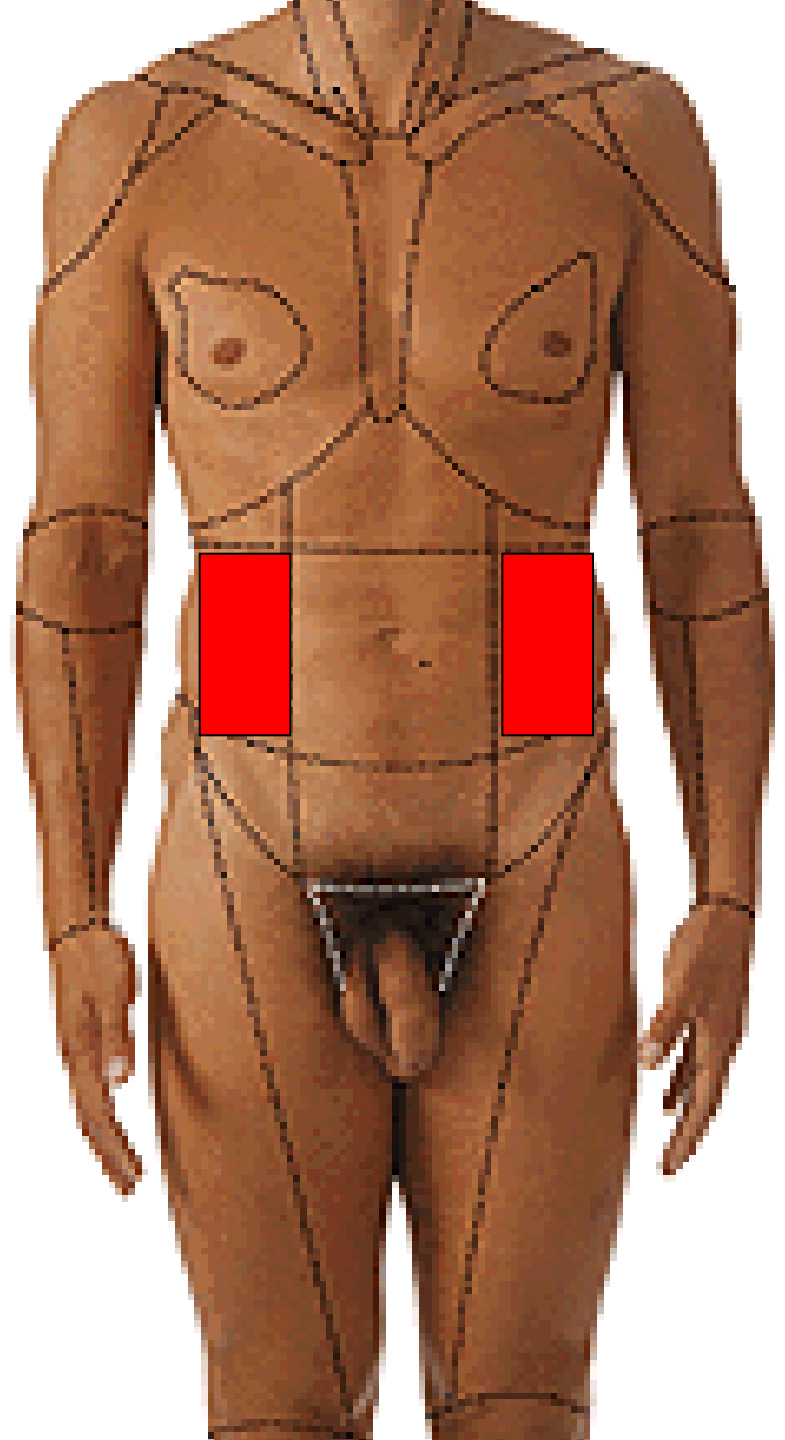
**REGIO HYPOCHONDRIACA
DEXTRA ET SINISTRA**



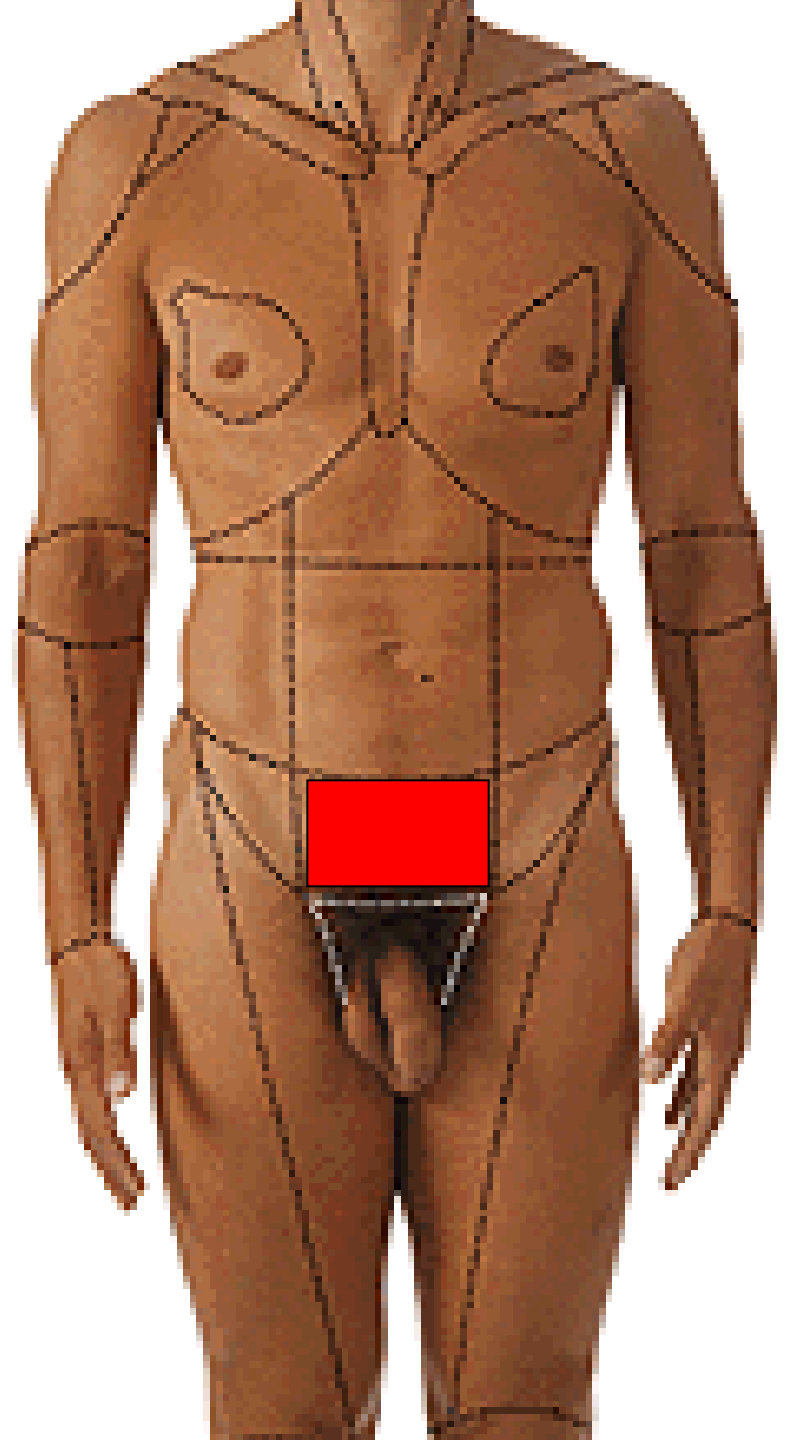
REGIO UMBILICALIS



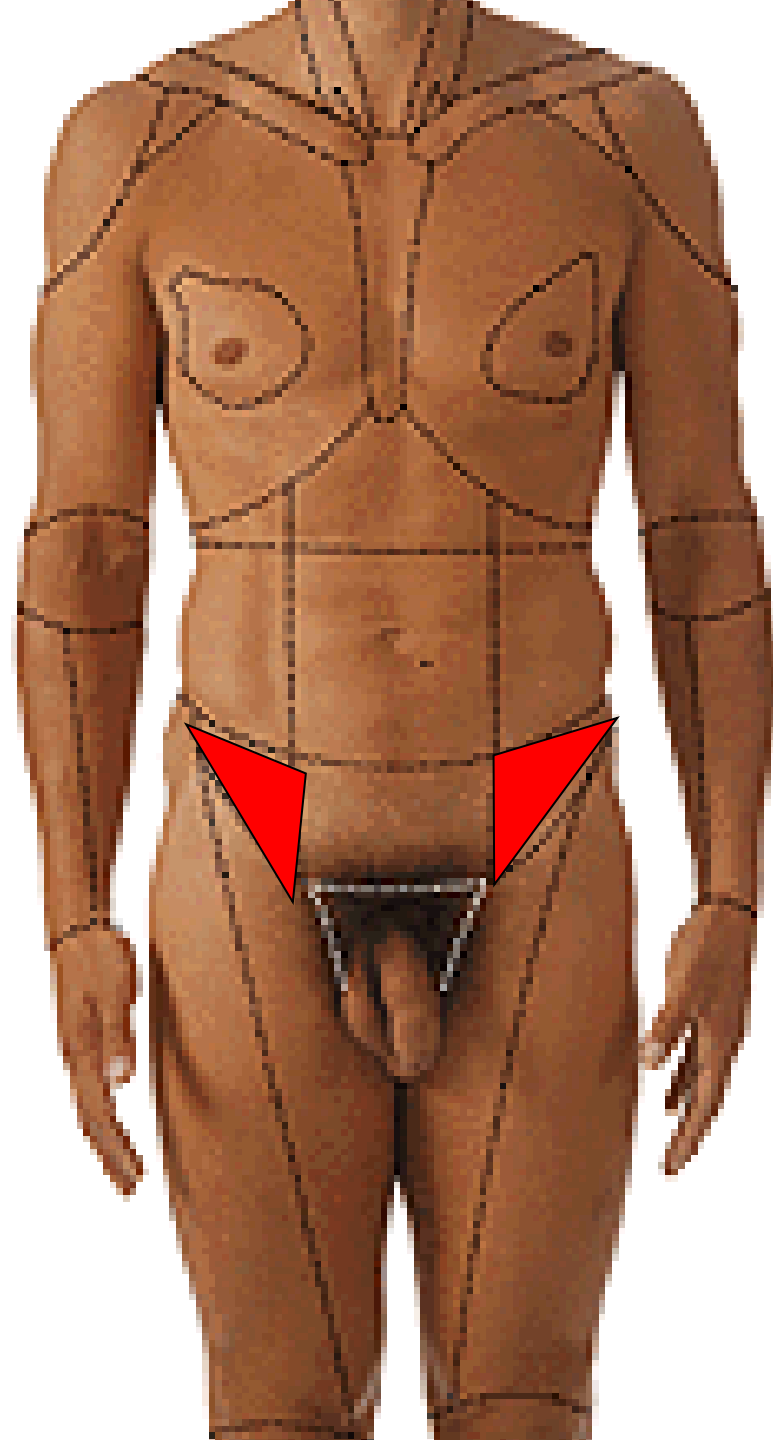
**REGIO LATERALIS
DEXTRA ET SINISTRA**



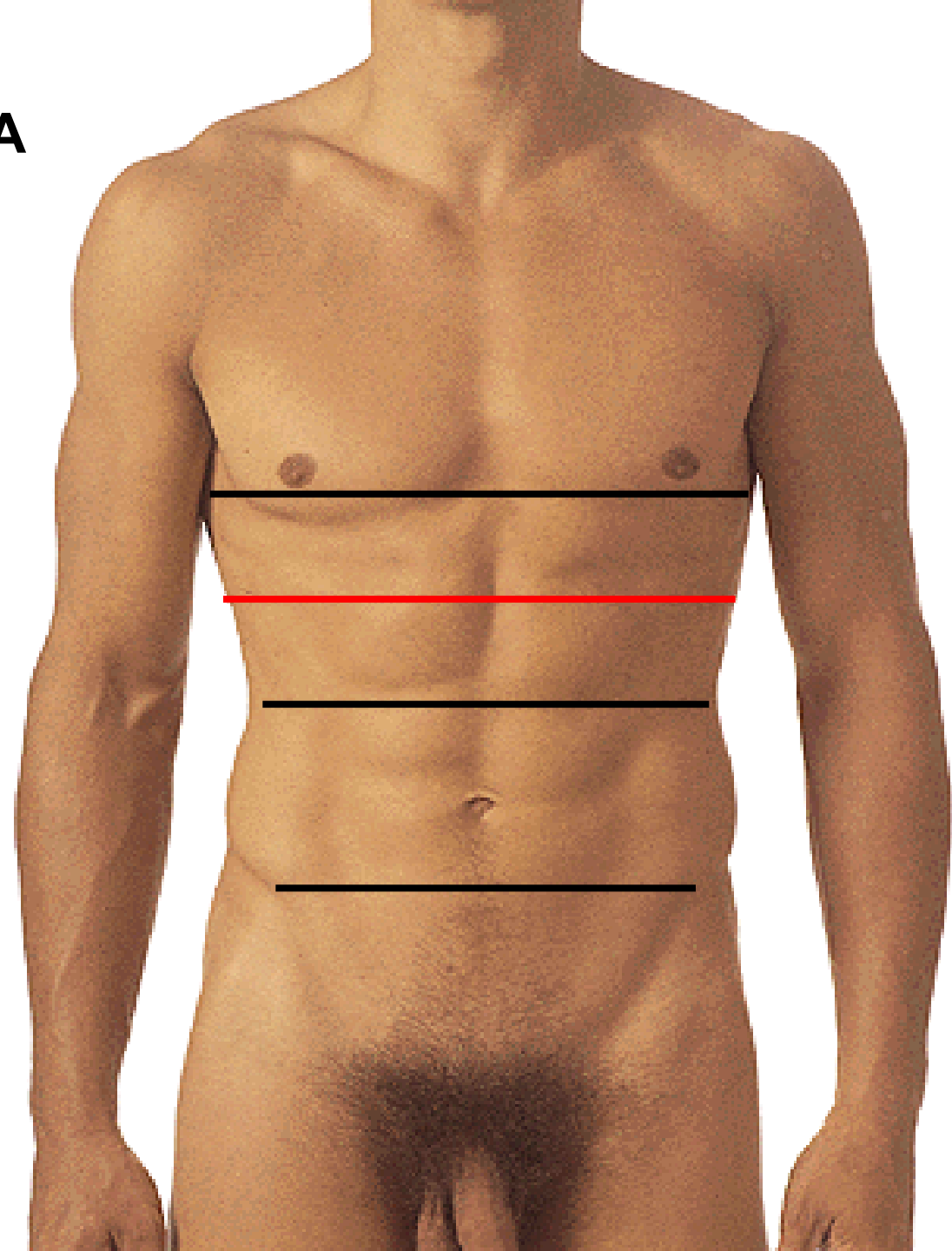
REGIO PUBICA



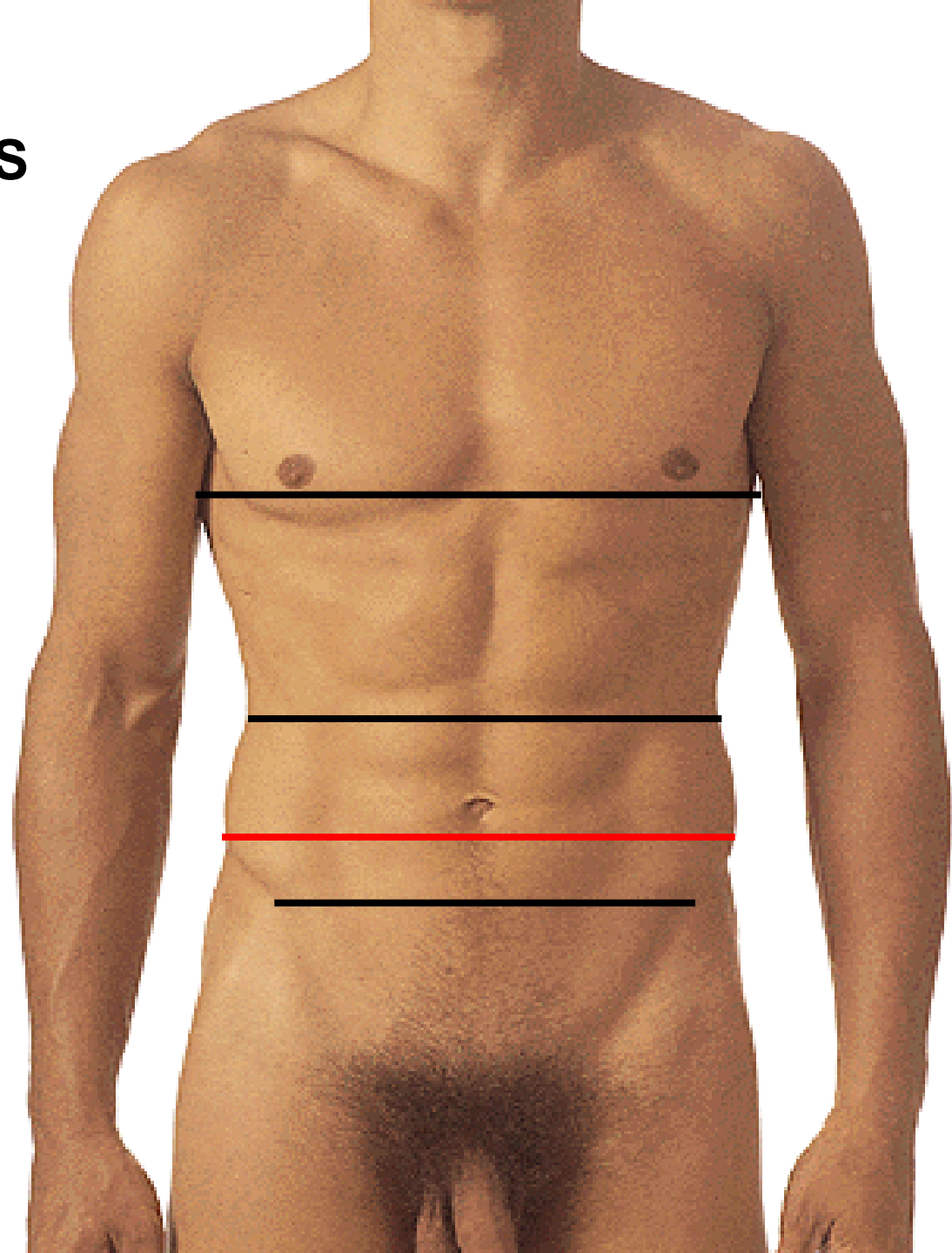
**REGIO INGUINALIS
DEXTRA ET SINISTRA**



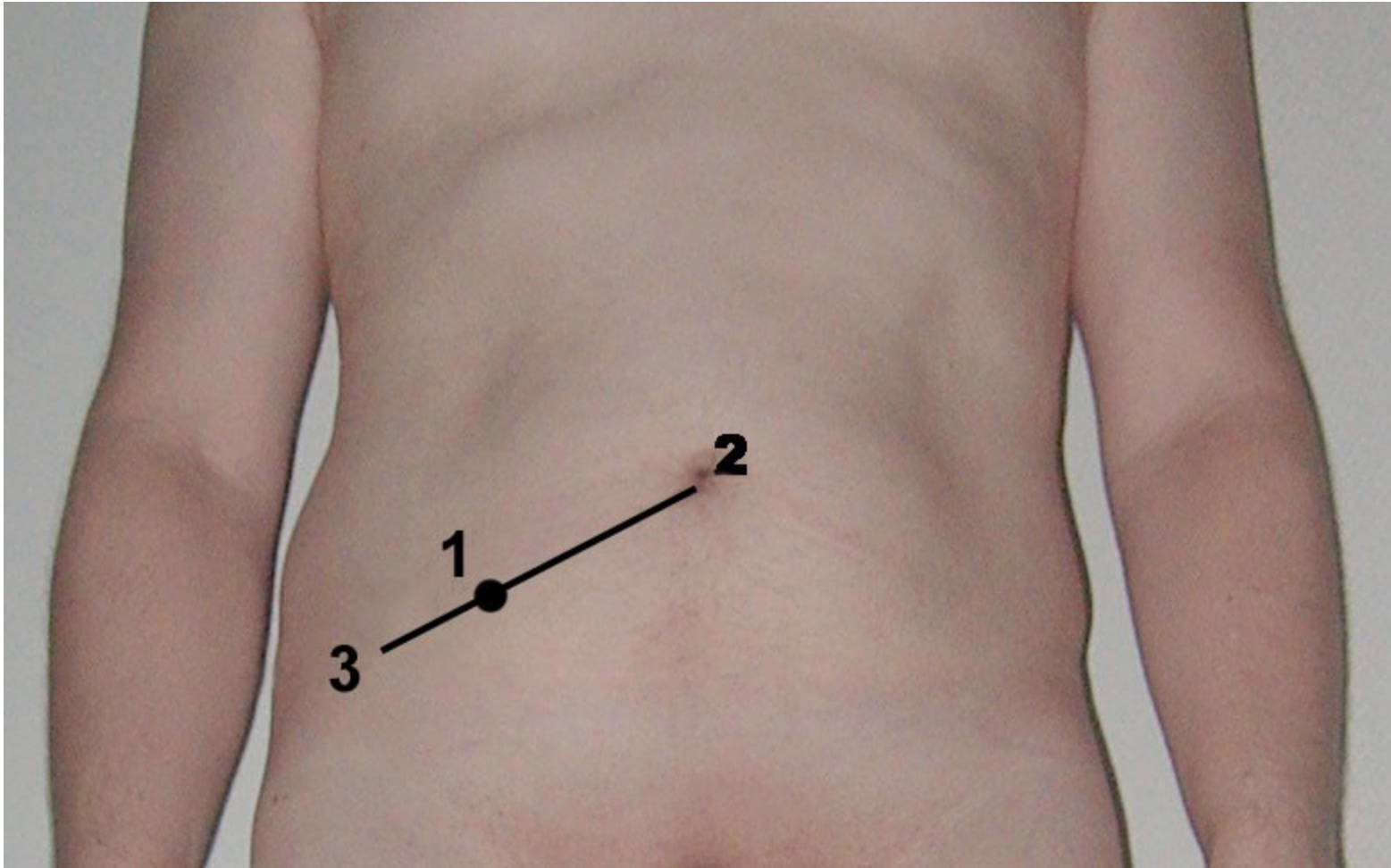
LINEA TRANSPYLORICA



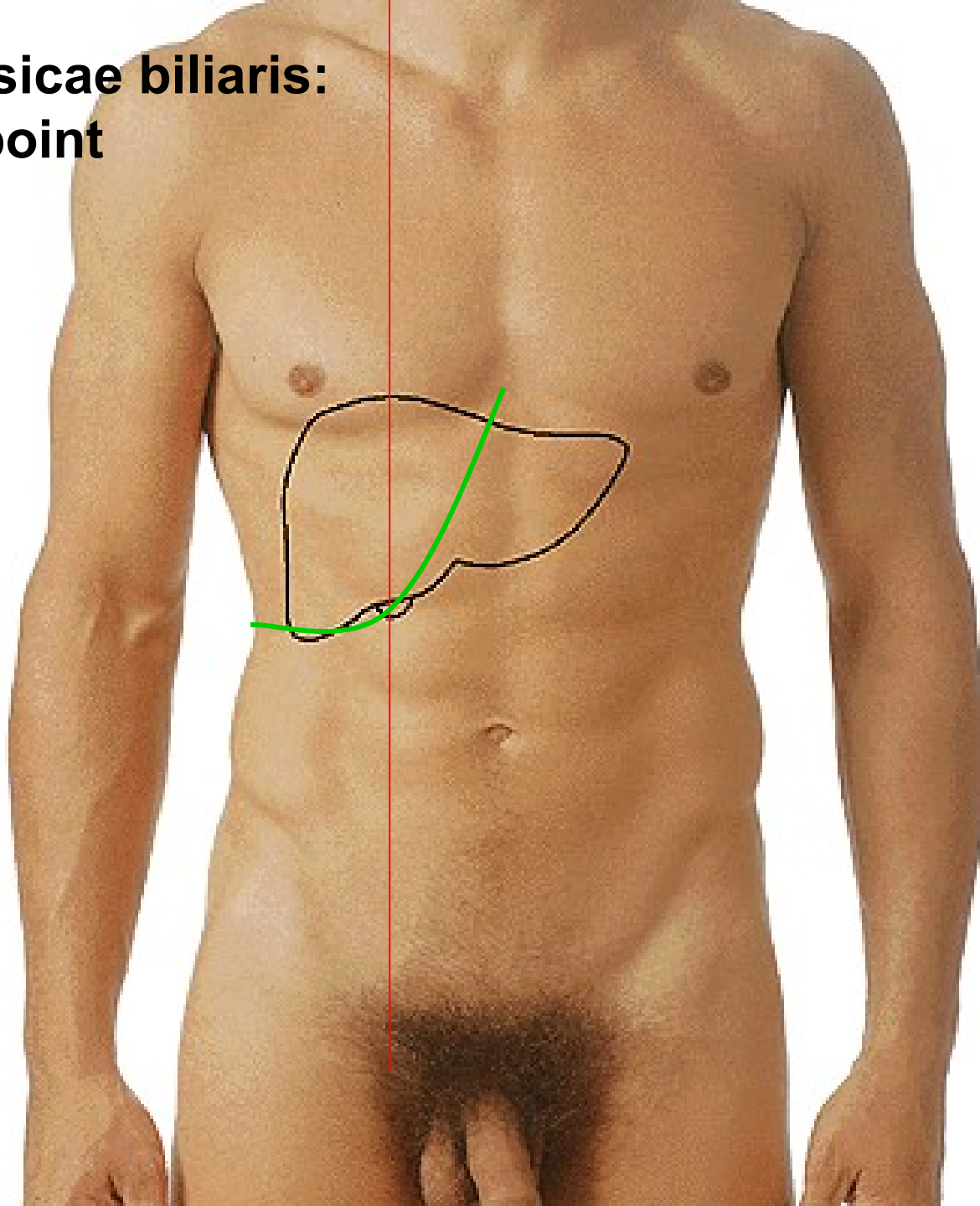
LINEA INTERCRISTALIS



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



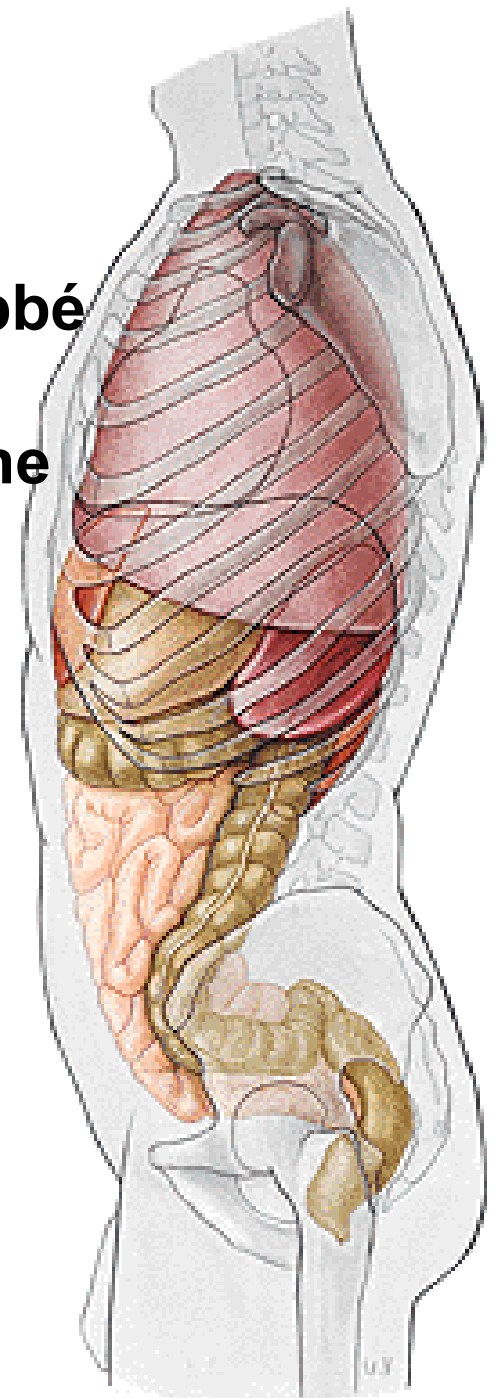
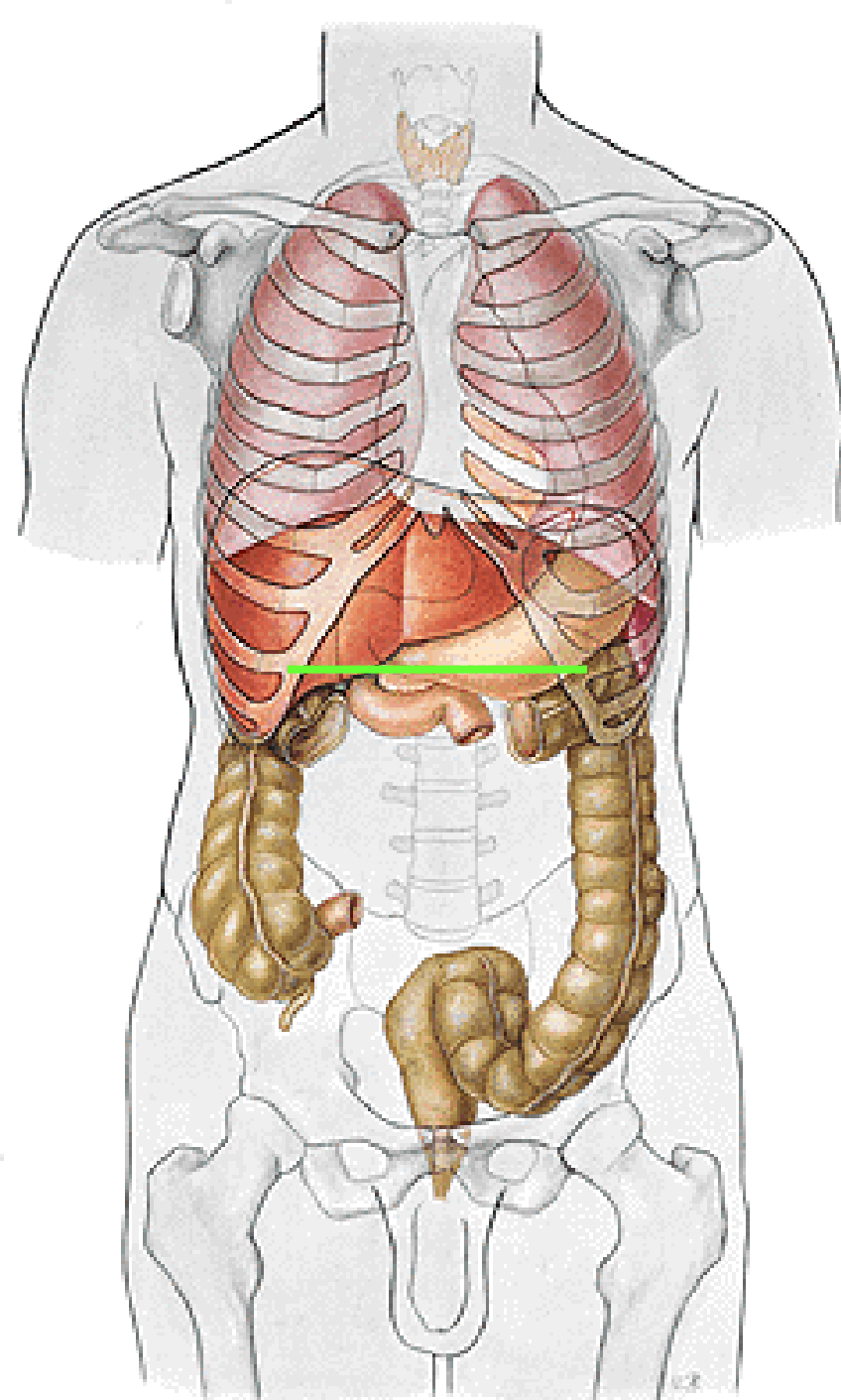
**Fundus vesicae biliaris:
Murphy's point**



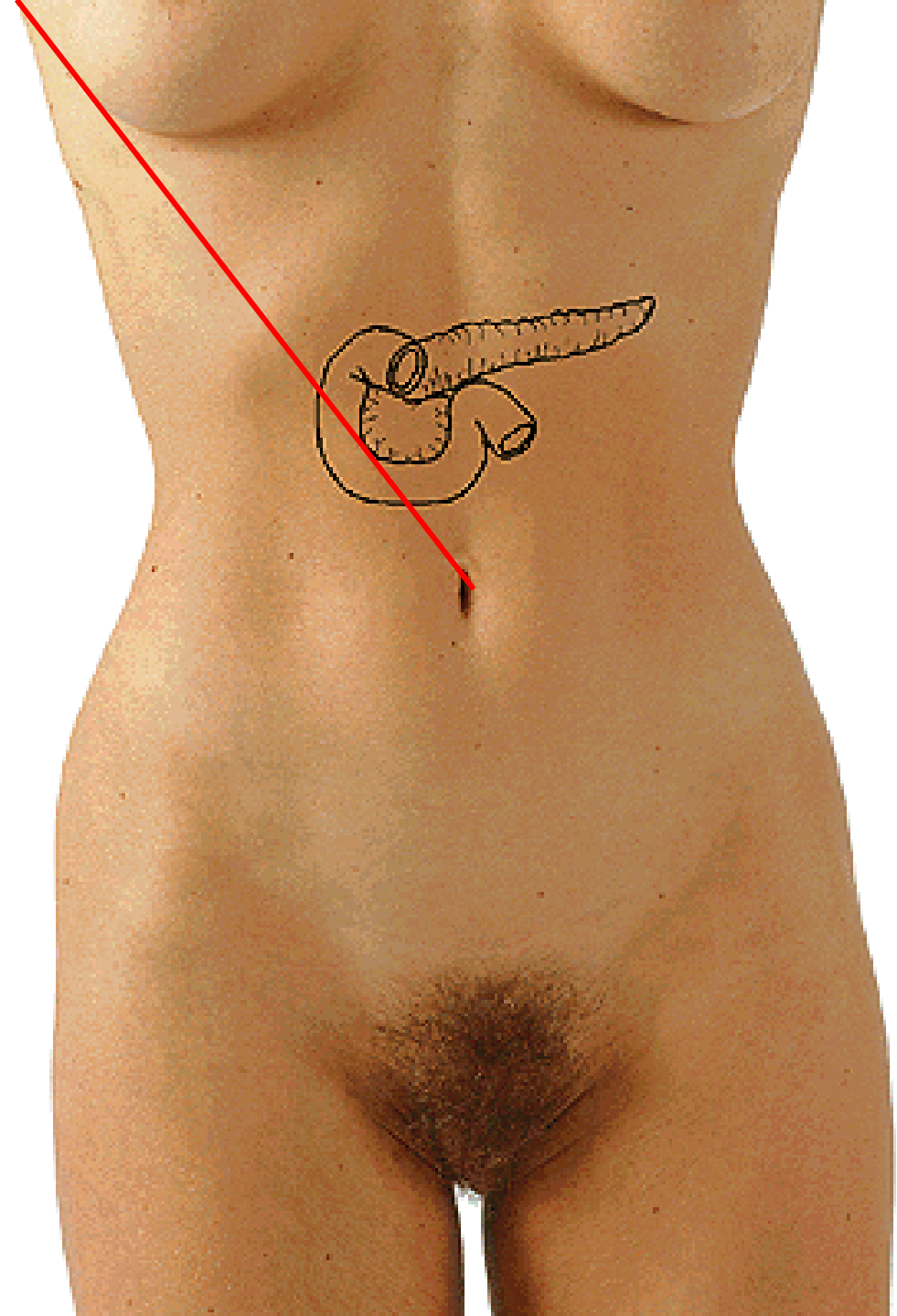
Ventriculus:

Triangle of Labbé

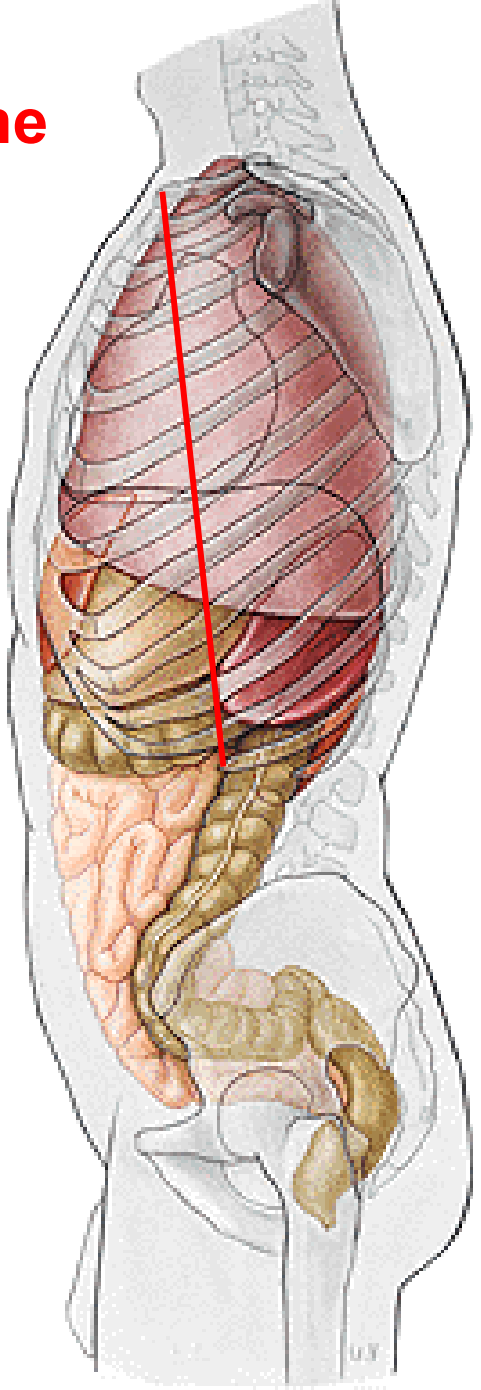
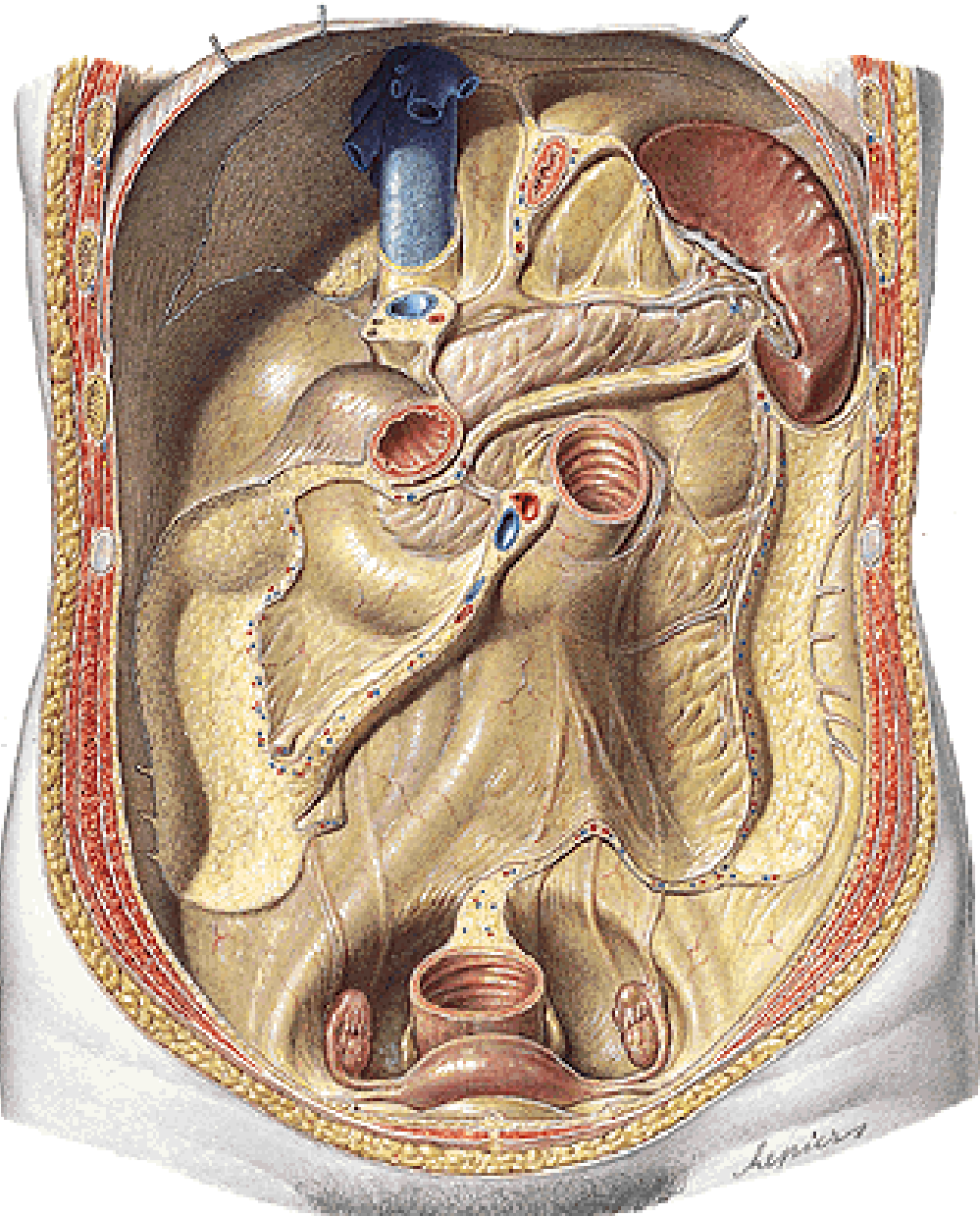
transpyloric line



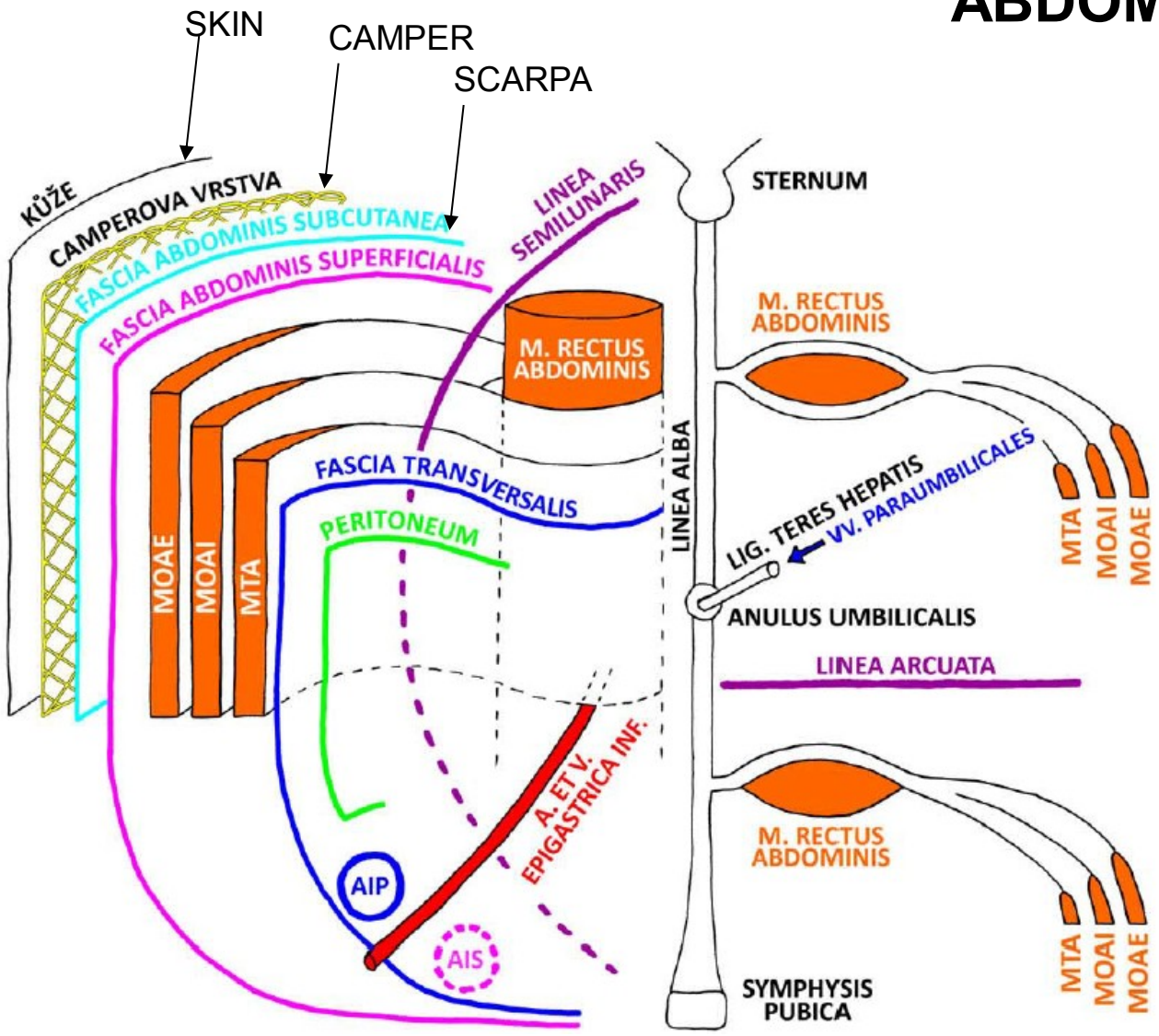
**Papilla Vateri:
Umbilico-axillary line
- point of Desjardins**



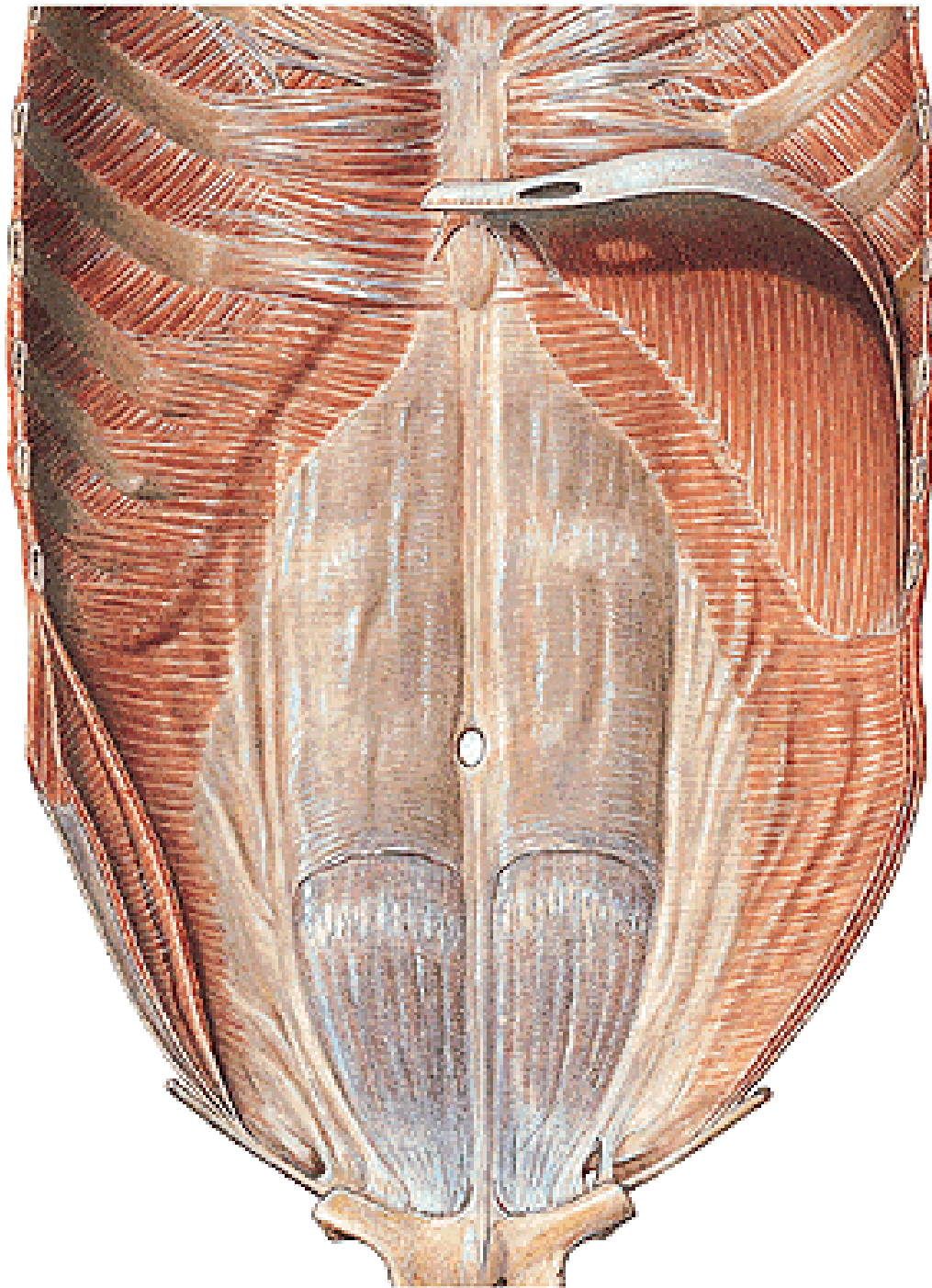
Costoarticular line



ABDOMINAL WALL

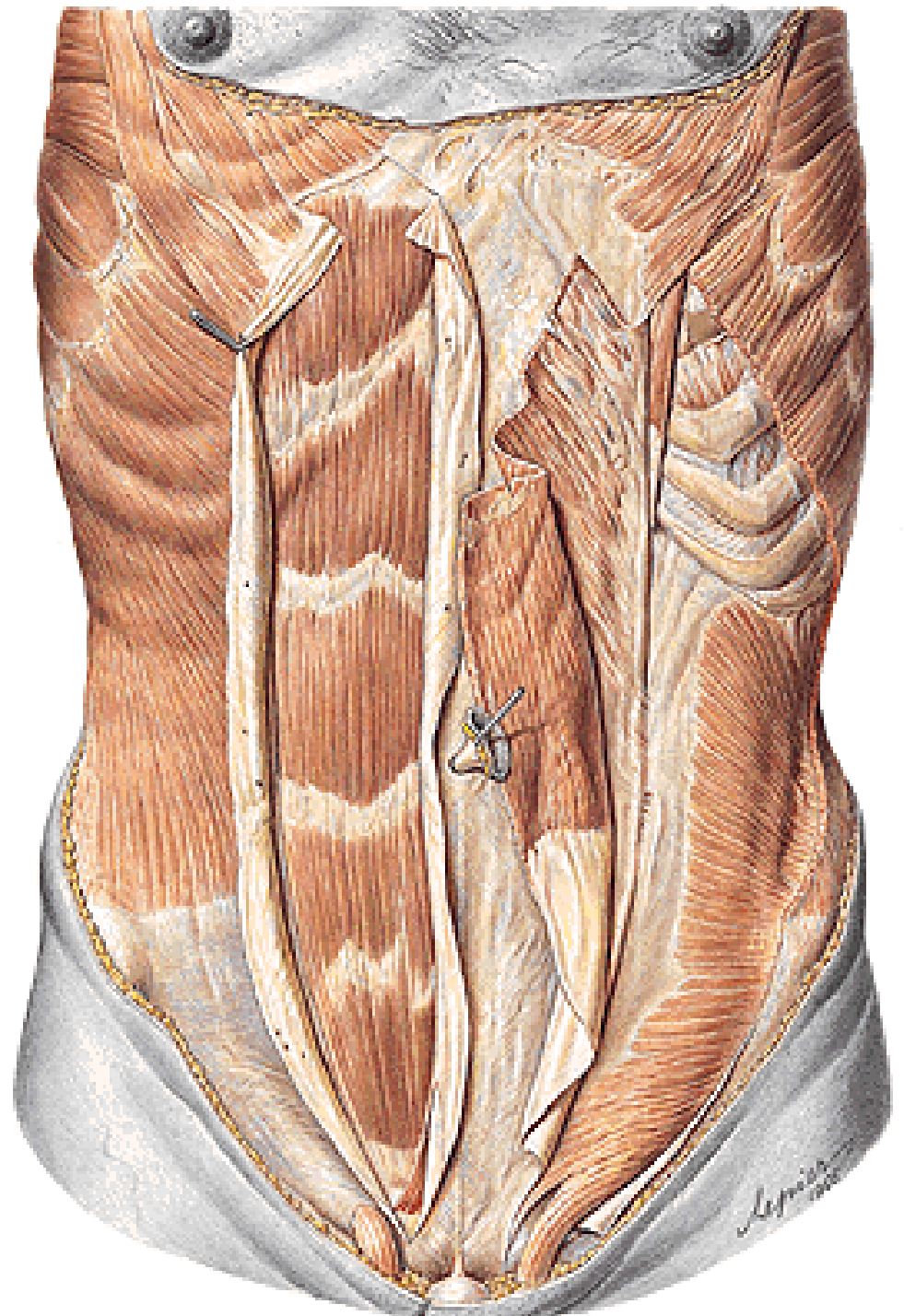


MOAE - M. OBLIQUUS ABDOMINIS EXTERNUS
MOAI - M. OBLIQUUS ABDOMINIS INTERNUS
MTA - M. TRANSVERSUS ABDOMINIS
AIP - ANULUS INGUINALIS PROFUNDUS
AIS - ANULUS INGUINALIS SUPERFICIALIS



LINEA ARCUATA

VAGINA
M. RECTI ABDOMINIS



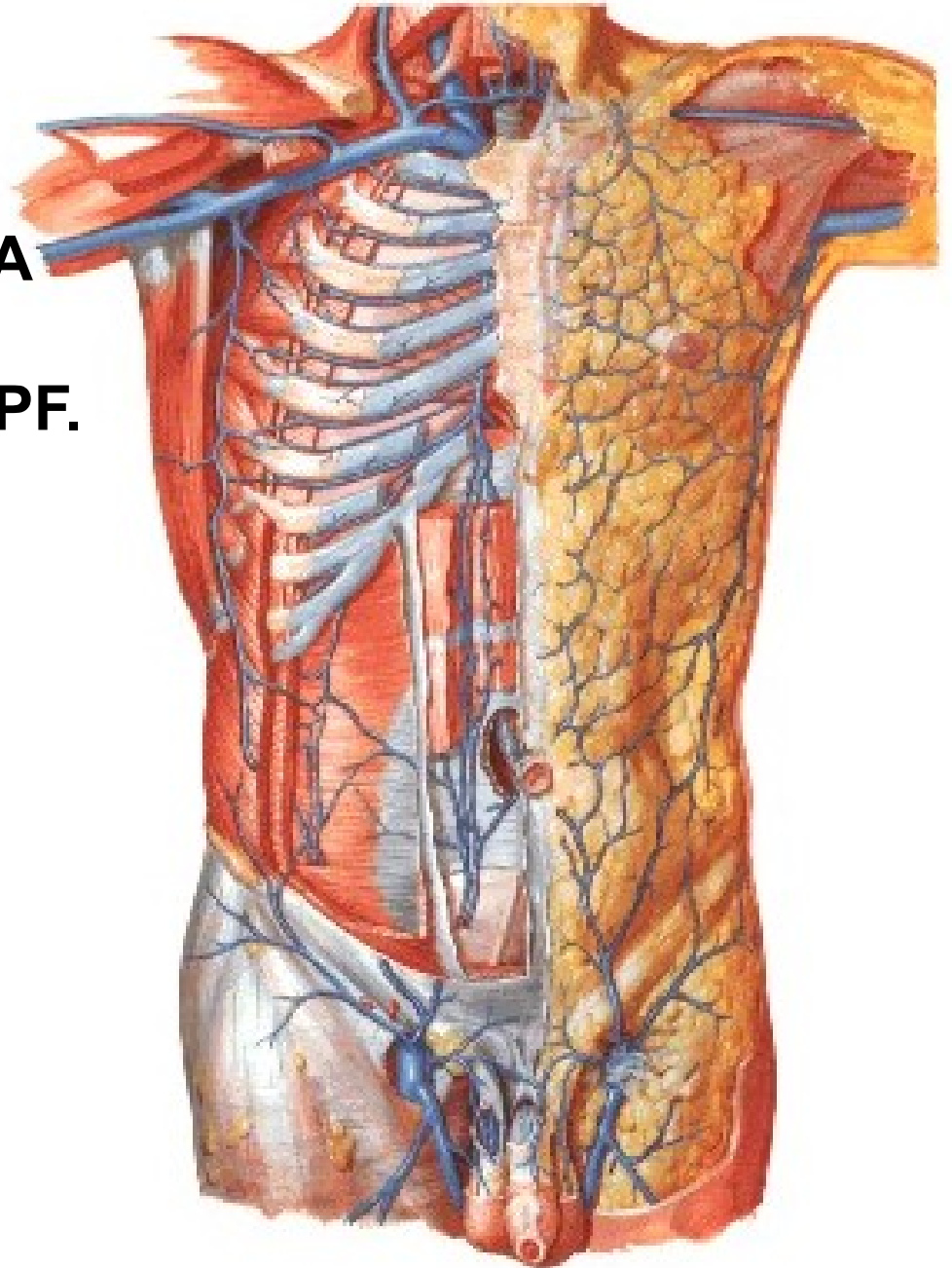
VV. SUBCUTANEAEE ABD.

V. THORACOEPIGASTRICA

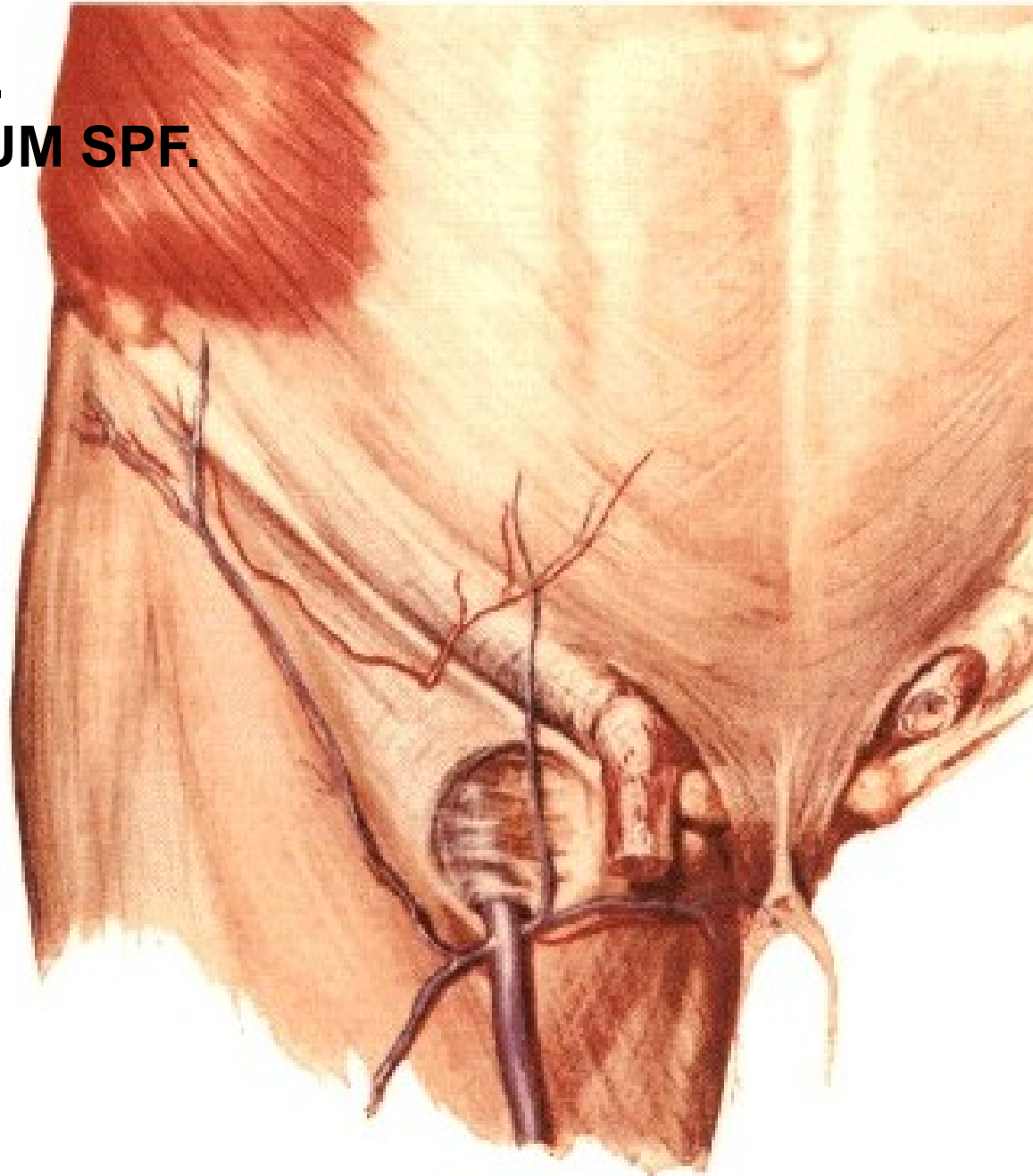
V. EPIGASTRICA SPF.

V. CIRCUMFLEXA ILIUM SPF.

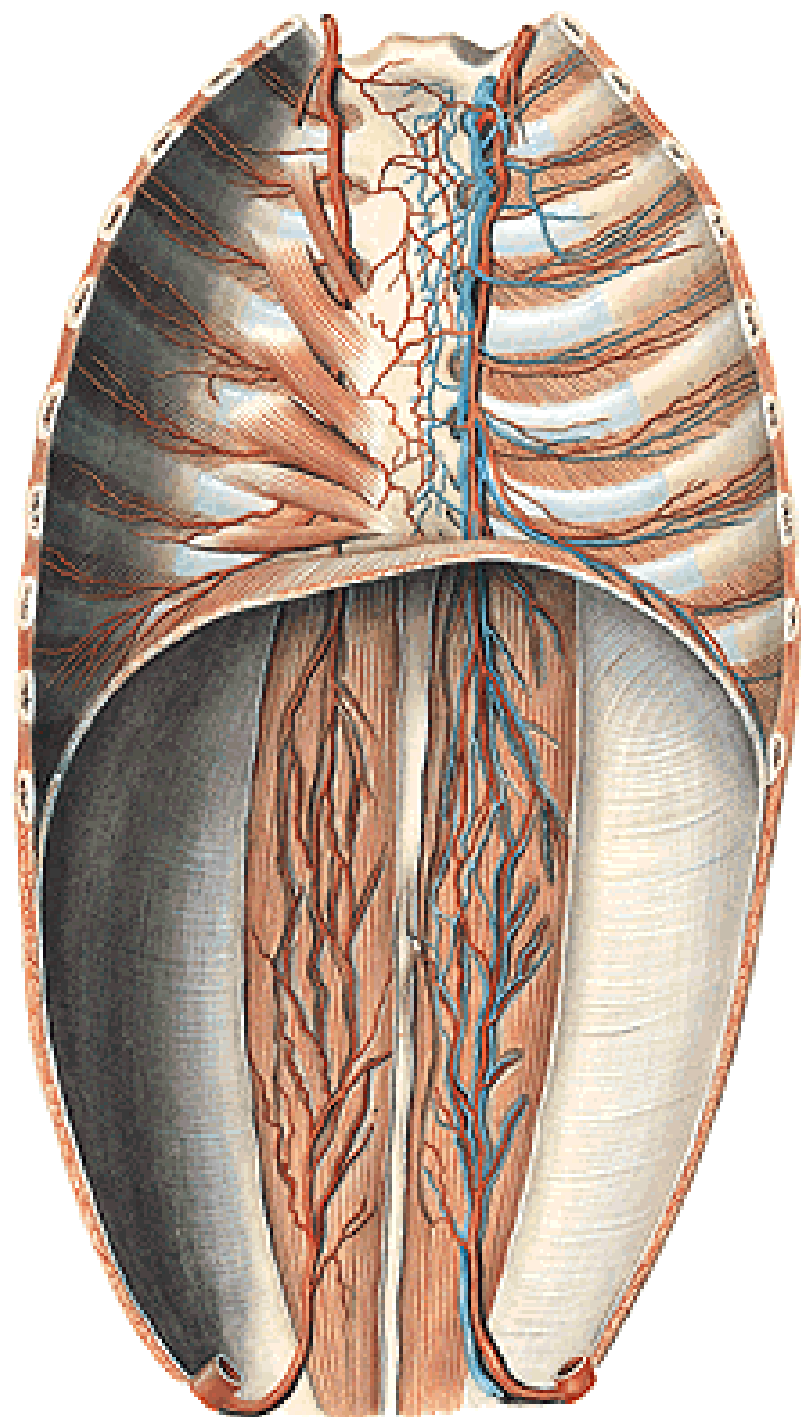
VV. PARAUMBILICALES



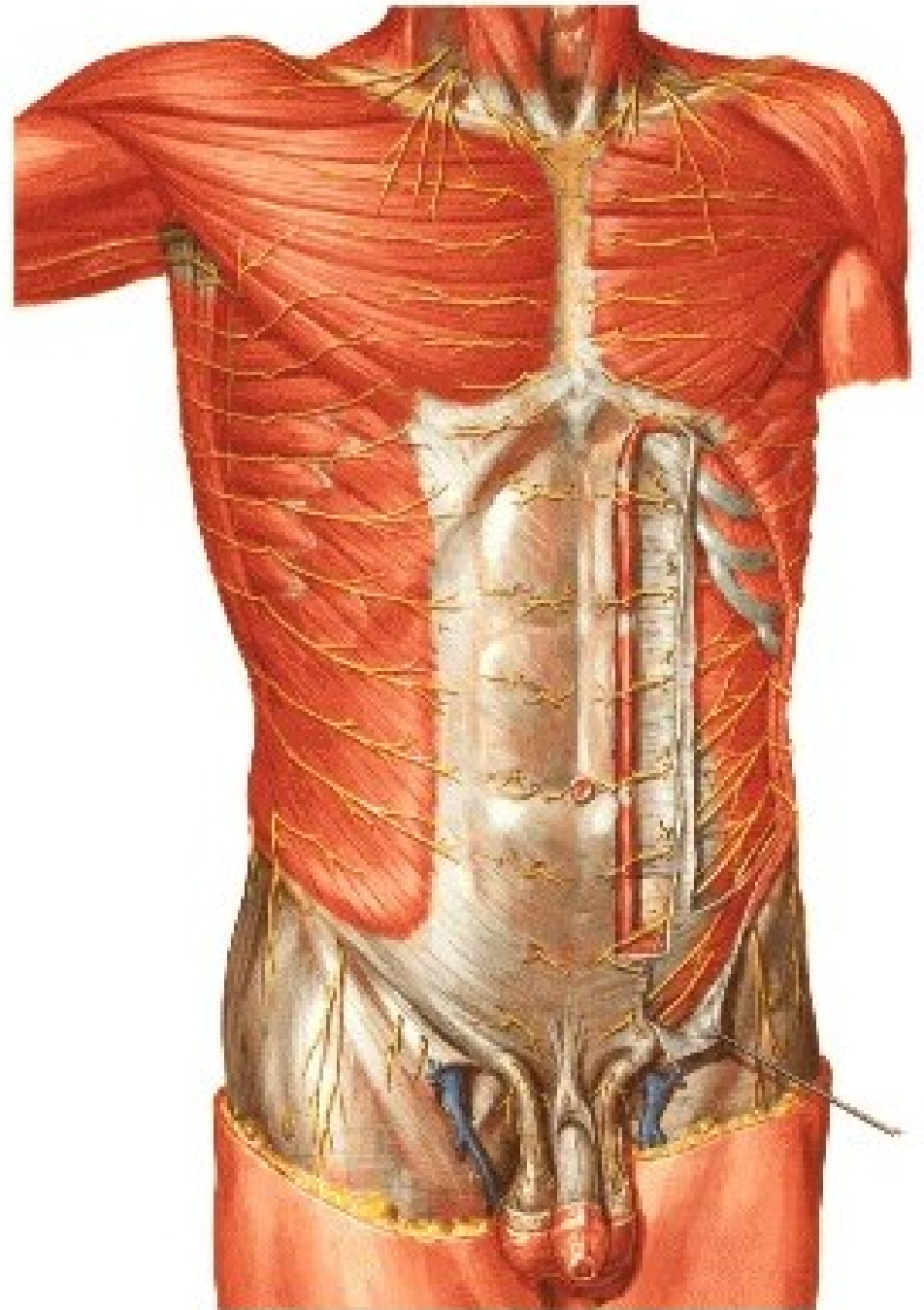
A. EPIGASTRICA SPF.
A. CIRCUMFLEXA ILIUM SPF.
AA. INTERCOSTALES
A. SUBCOSTALIS
AA. LUMBALES



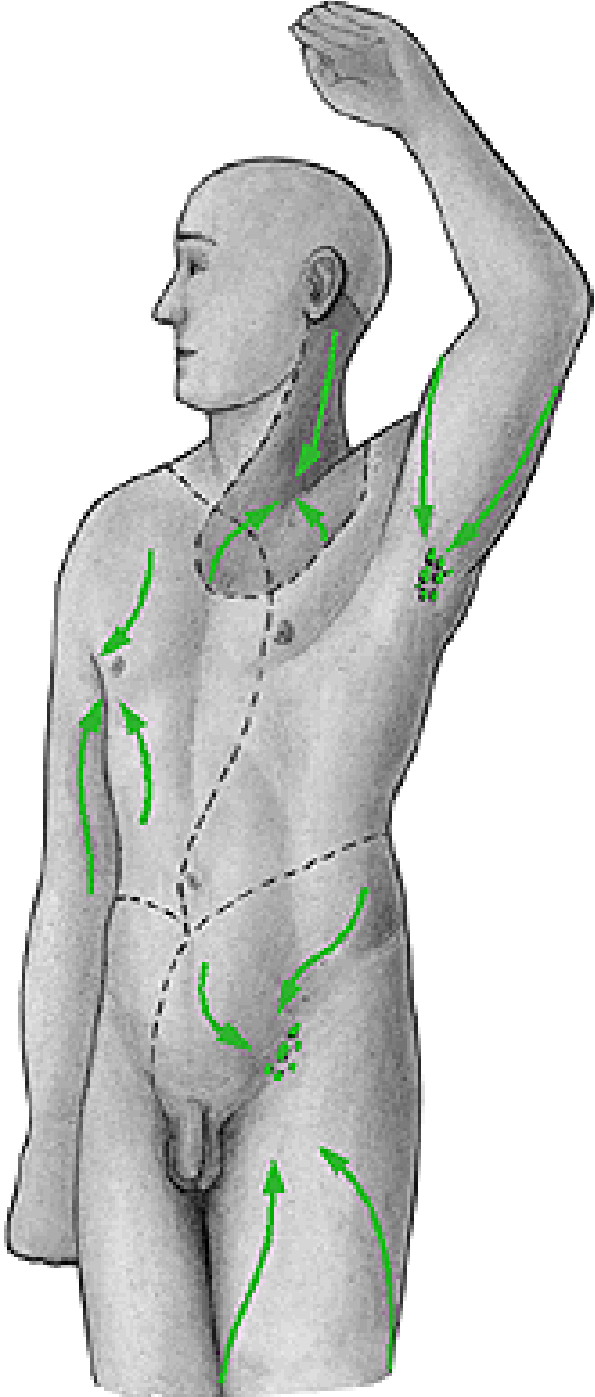
A. EPIGASTRICA SUP.
A. EPIGASTRICA INF.
A. CIRCUMFLEXA ILIUM PROF.
AA. INTERCOSTALES
A. SUBCOSTALIS
AA. LUMBALES



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



NODI LYMPHATICI AXILLARES
NODI LYMPHATICI INGUINALES SPF.



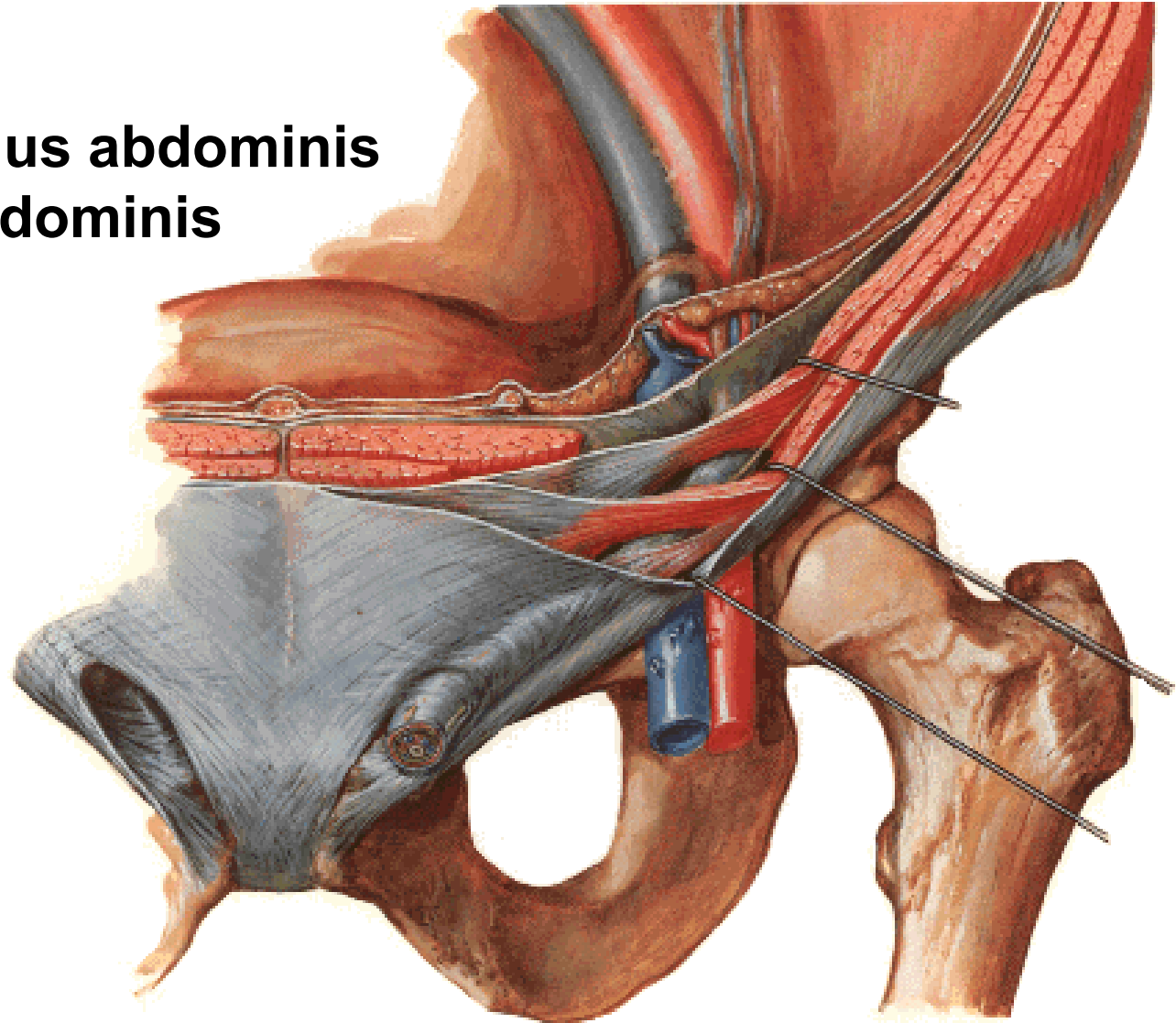
CANALIS INGUINALIS

Superior wall:

M. obliquus internus abdominis

M. transversus abdominis

- **M. cremaster**



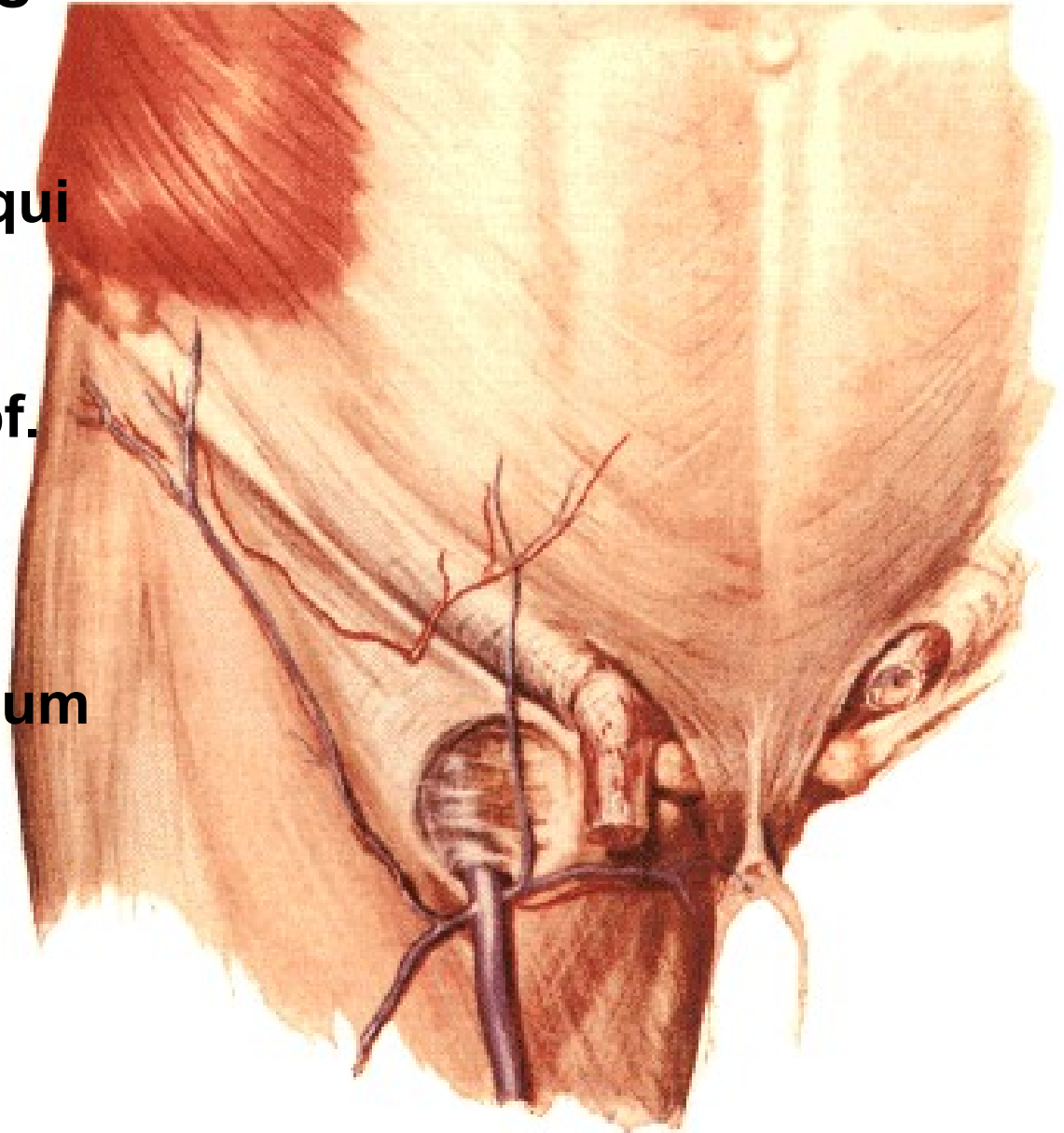
CANALIS INGUINALIS

Anterior wall:

**Aponeurosis m. obliqui
externi abdominis**

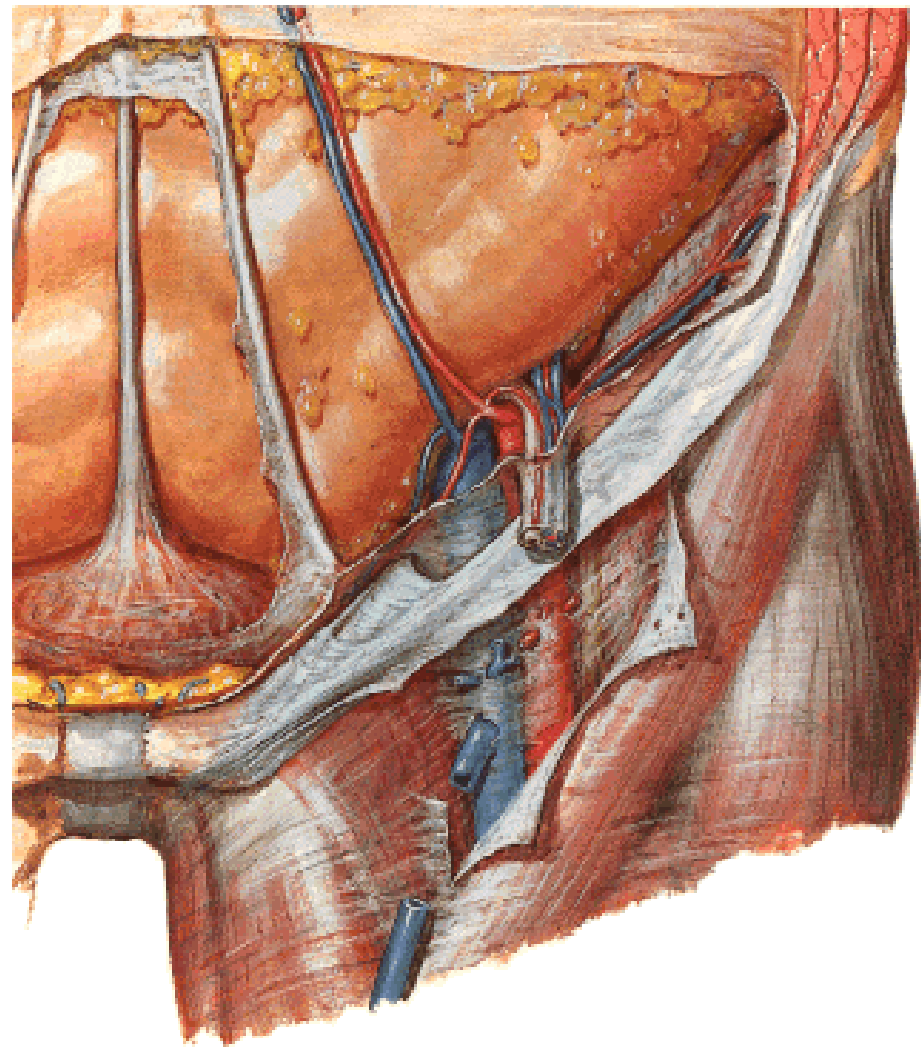
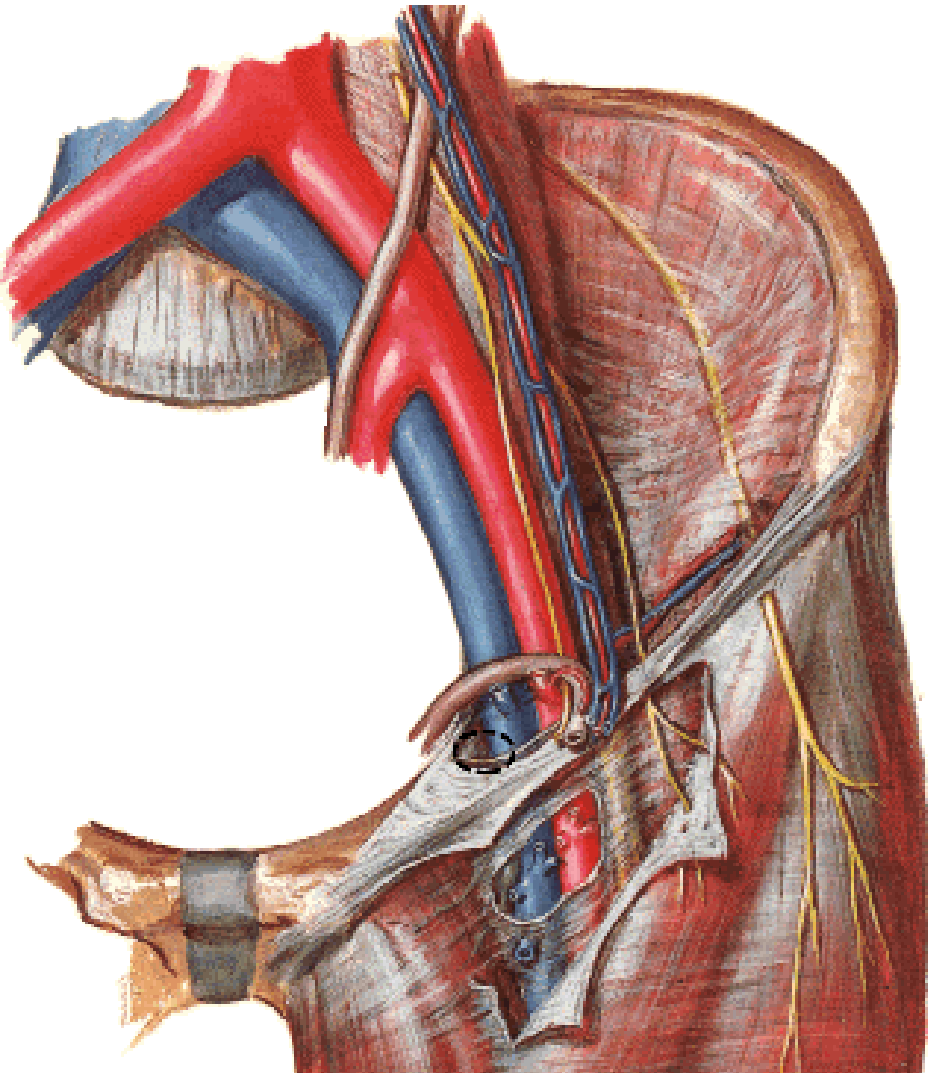
Anulus inguinalis spf.

- **crus mediale**
- **crus laterale**
- **fibrae intercrurales**
- **lig. inguinale reflexum**



CANALIS INGUINALIS

Inferior wall:
Lig. inguinale



CANALIS INGUINALIS

Posterior wall:

Fascia transversalis:

Anulus inguinalis prof.

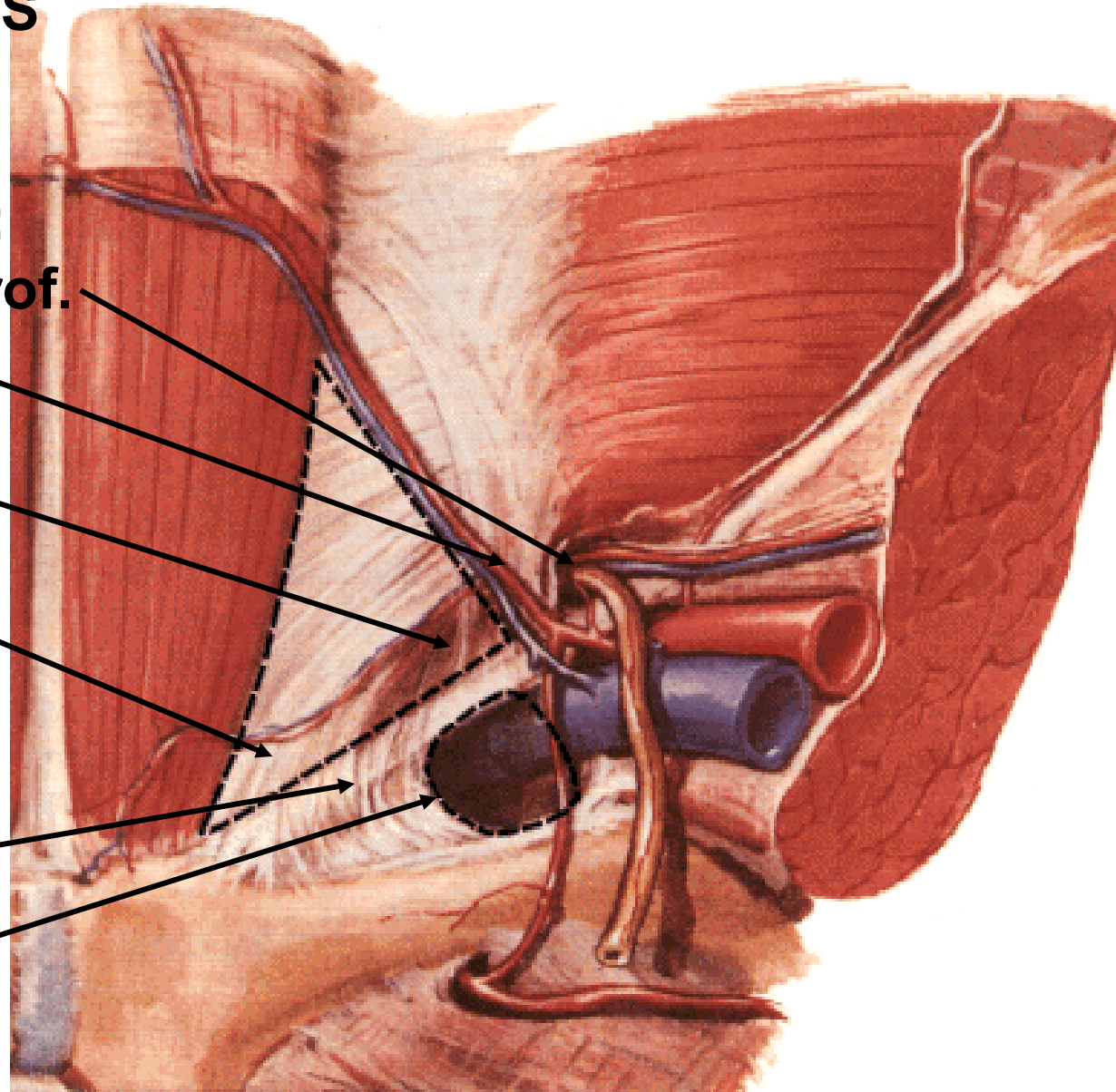
Lig. interfoveolare

**Trigonum inguinale
(Hesselbachi)**

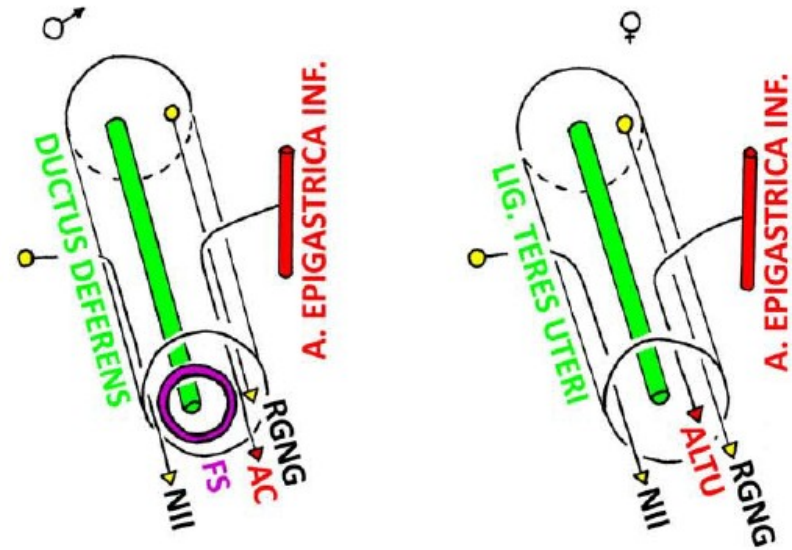
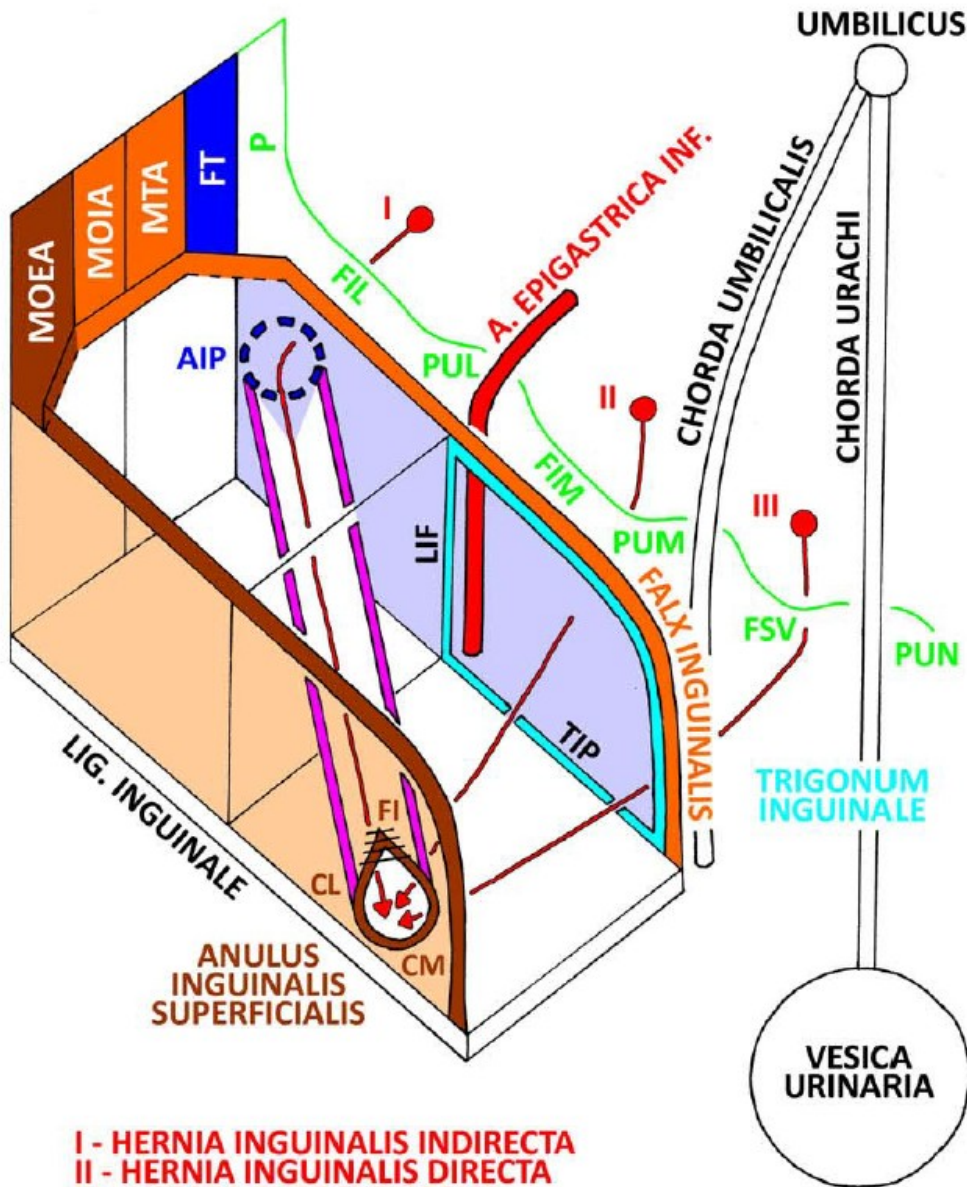
**Falx inguinalis
(conjoint tendon)**

Tractus iliopubicus

Anulus femoralis



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

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

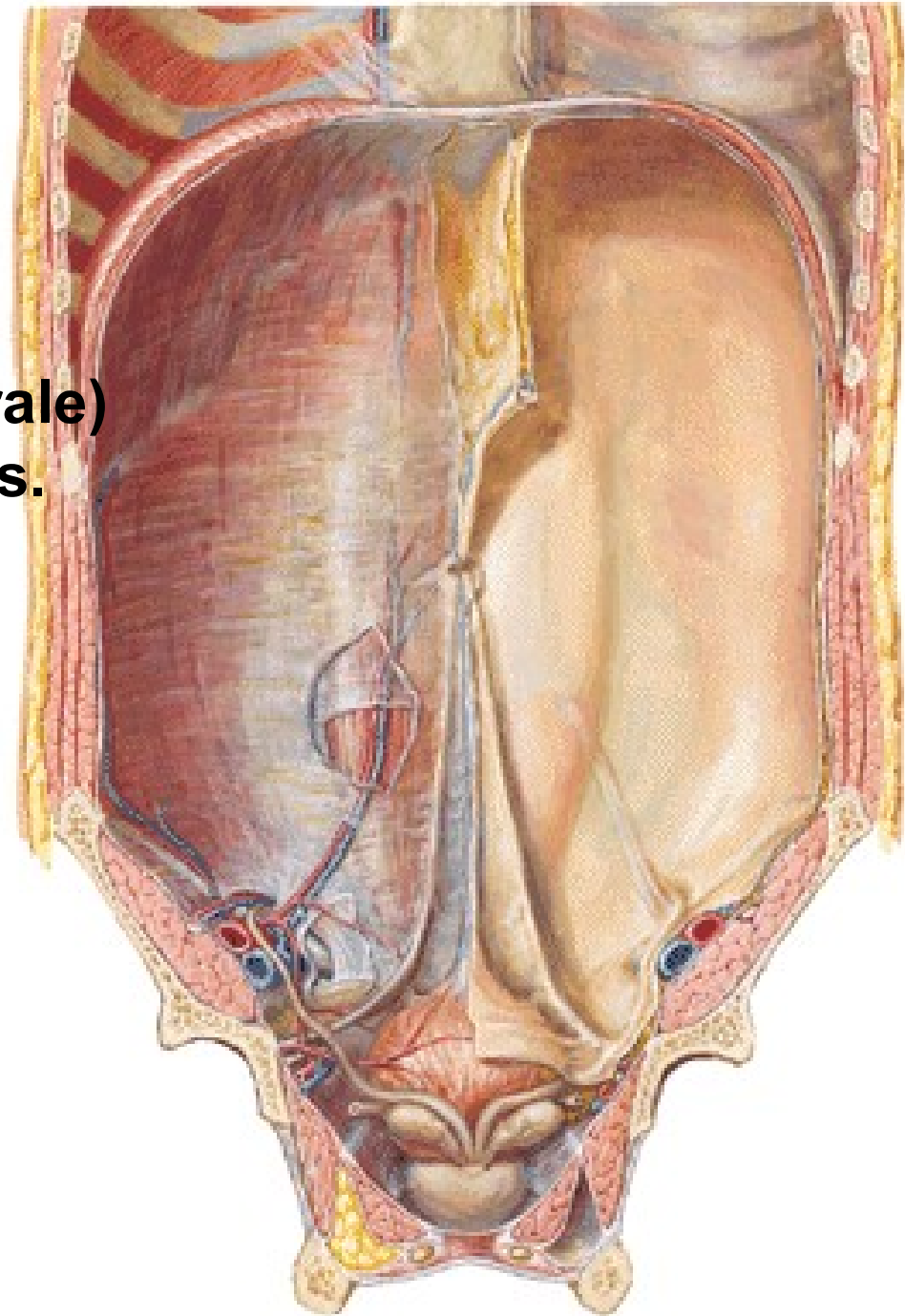
Fossa supravesicalis

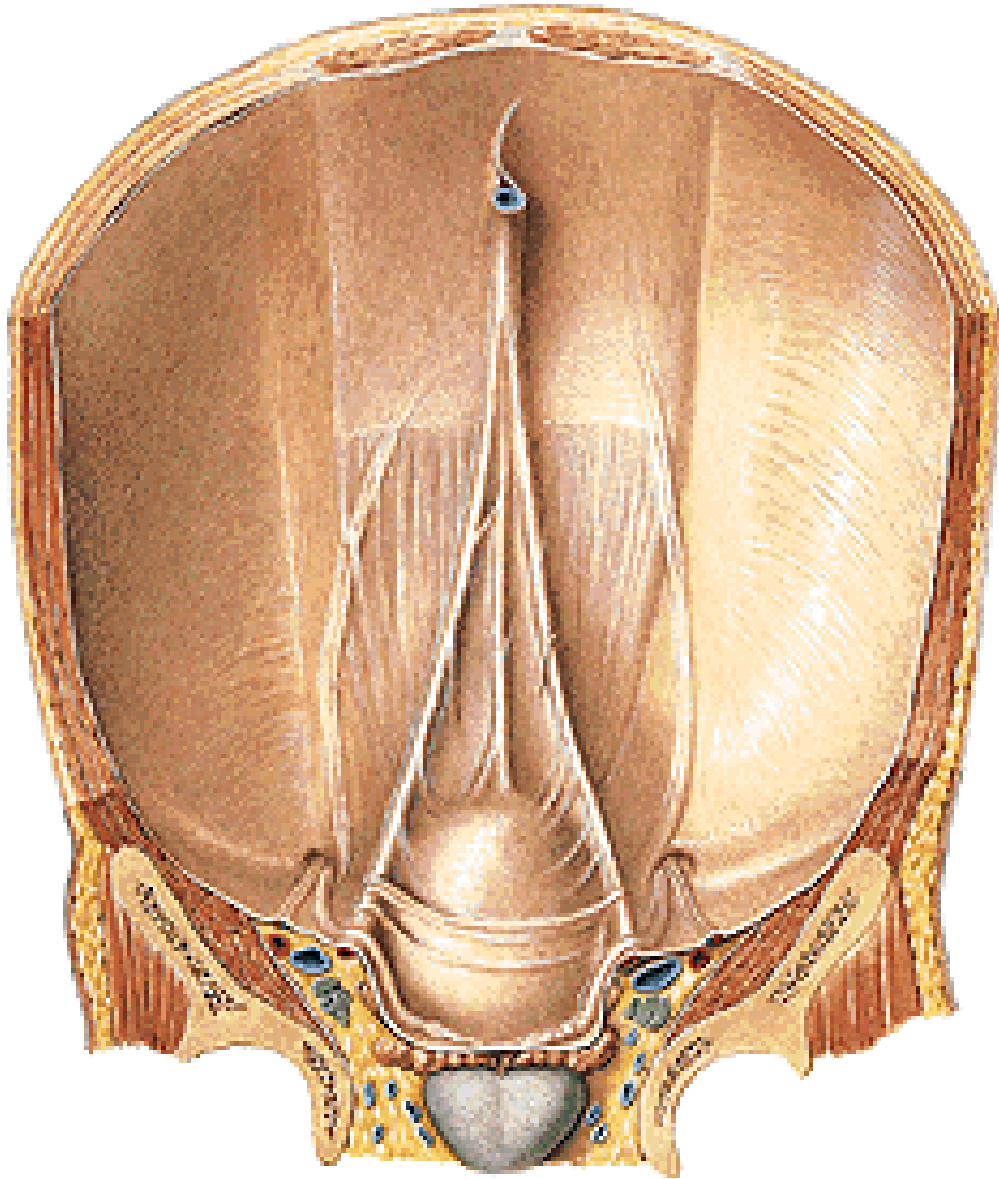
Plica umbilicalis medialis
- lig. umbilicale mediale (laterale)
(pars occlusa a. umbilicalis s.
chorda umbilicalis)

Fossa inguinalis medialis
- **direct inguinal hernia**

Plica umbilicalis lateralis
- vasa epigastrica inf.

Fossa inguinalis lateralis
- **indirect inguinal hernia**





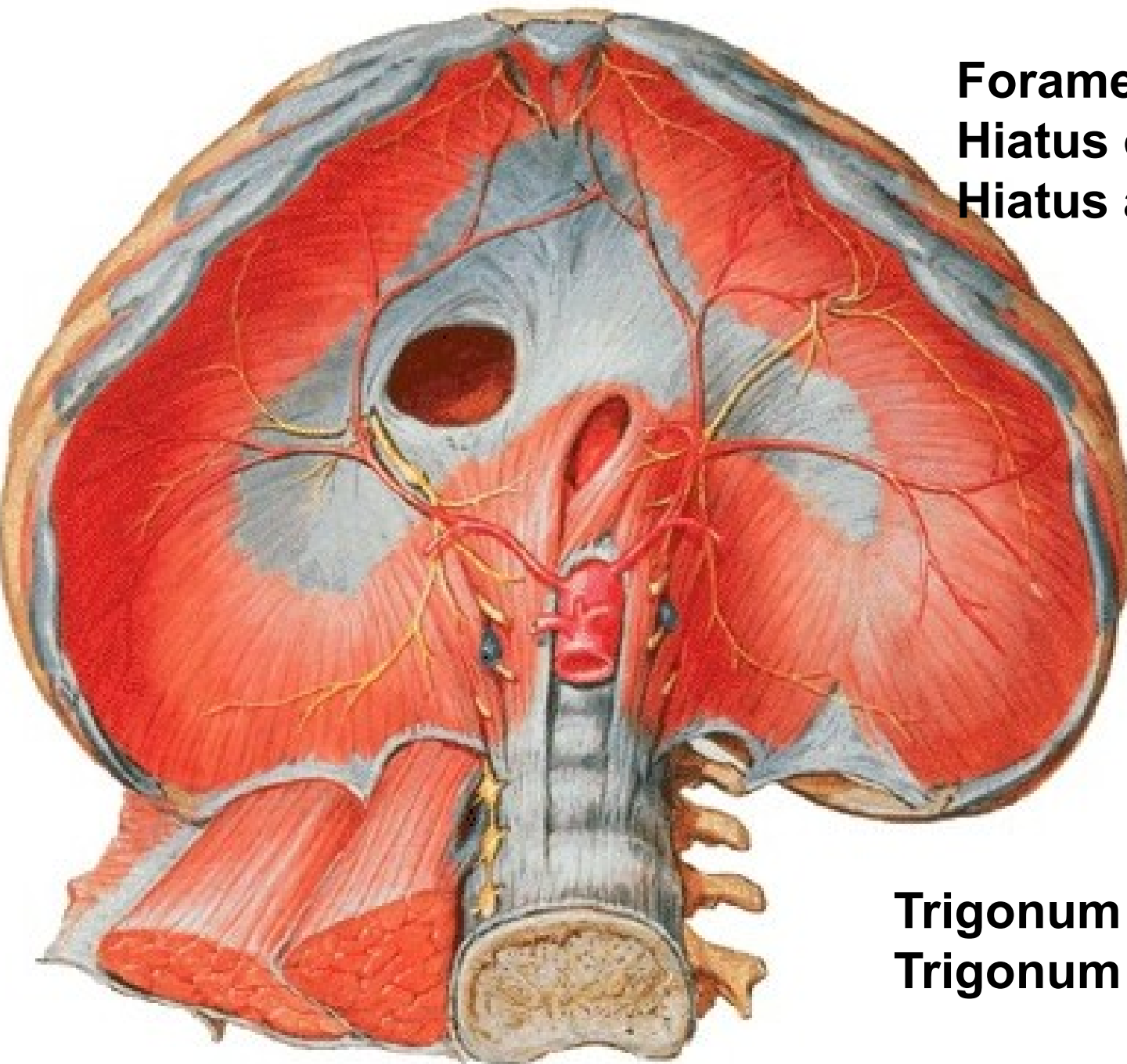
A. UMBILICALIS

→ chorda umbilicalis

V. UMBILICALIS

→ ligamentum venosum

Fossa umbilicalis



Foramen v. cavae inf.
Hiatus oesophageus
Hiatus aorticus

Trigonum sternocostale
Trigonum lumbocostale

PERITONEAL CAVITY

CAVITAS ABDOMINALIS

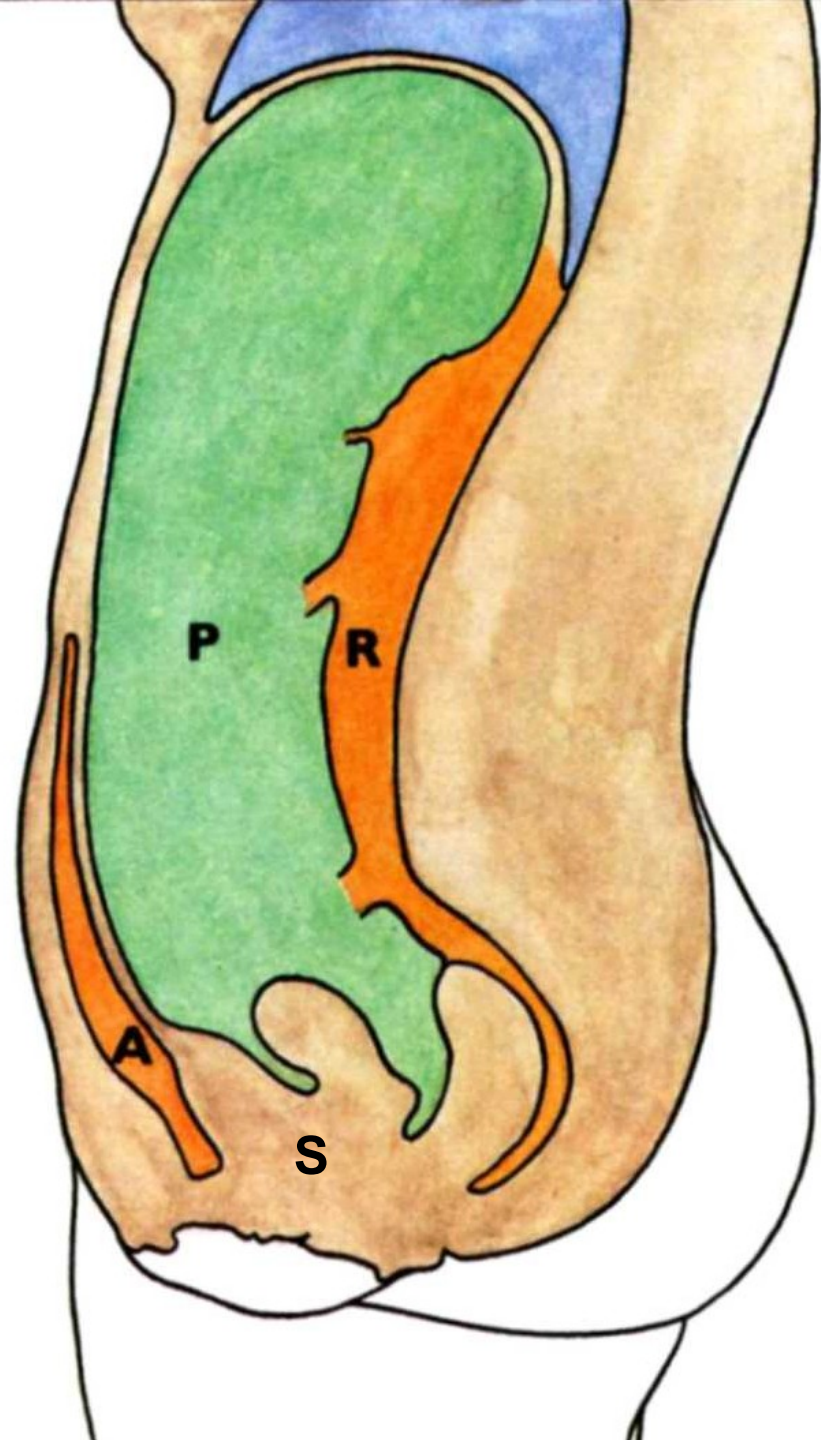
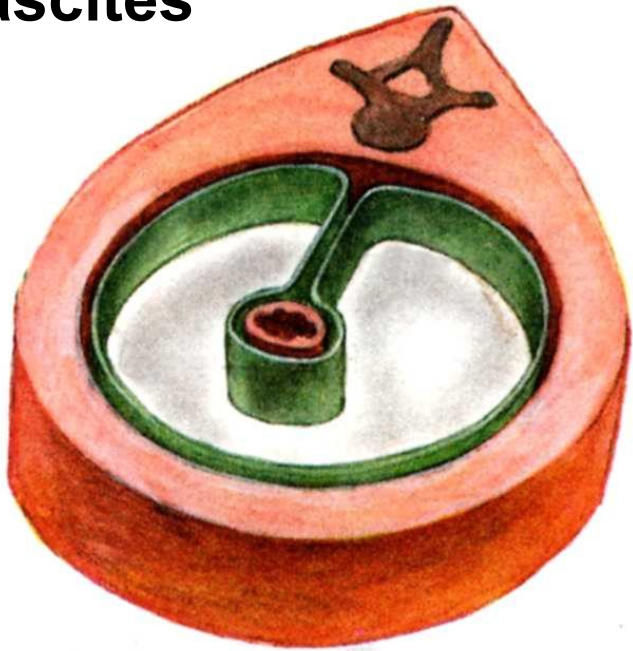
P – cavitas peritonealis

A – spatium preperitoneale

R – spatium retroperitoneale

S – spatium subperitoneale
(infraperitoneale)

ascites



Intraparitoneal organs:

Abdominal part of the oesophagus, stomach, superior part of the duodenum, jejunum, ileum, appendix vermiformis, colon transversum, colon sigmoideum, liver, spleen

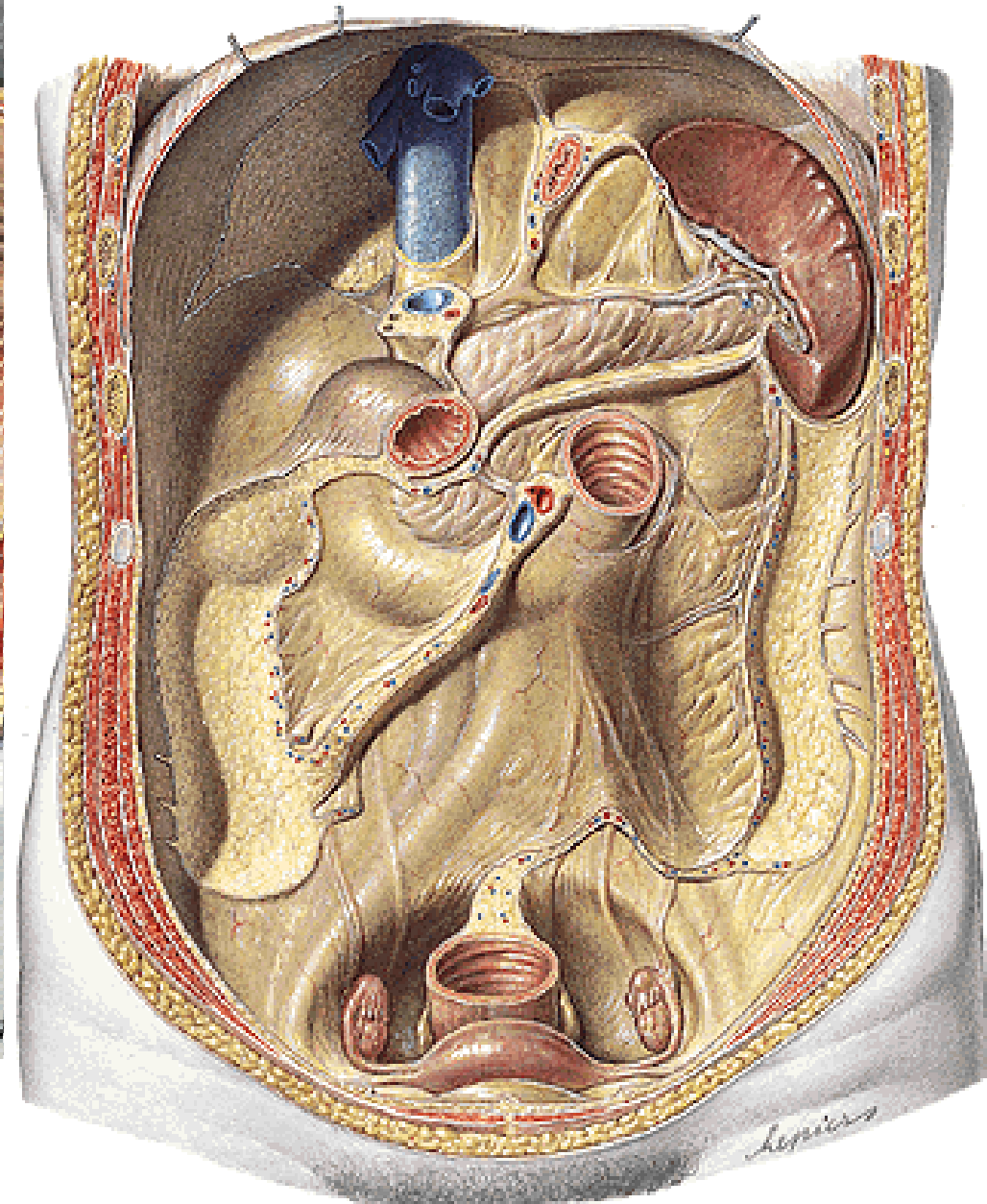
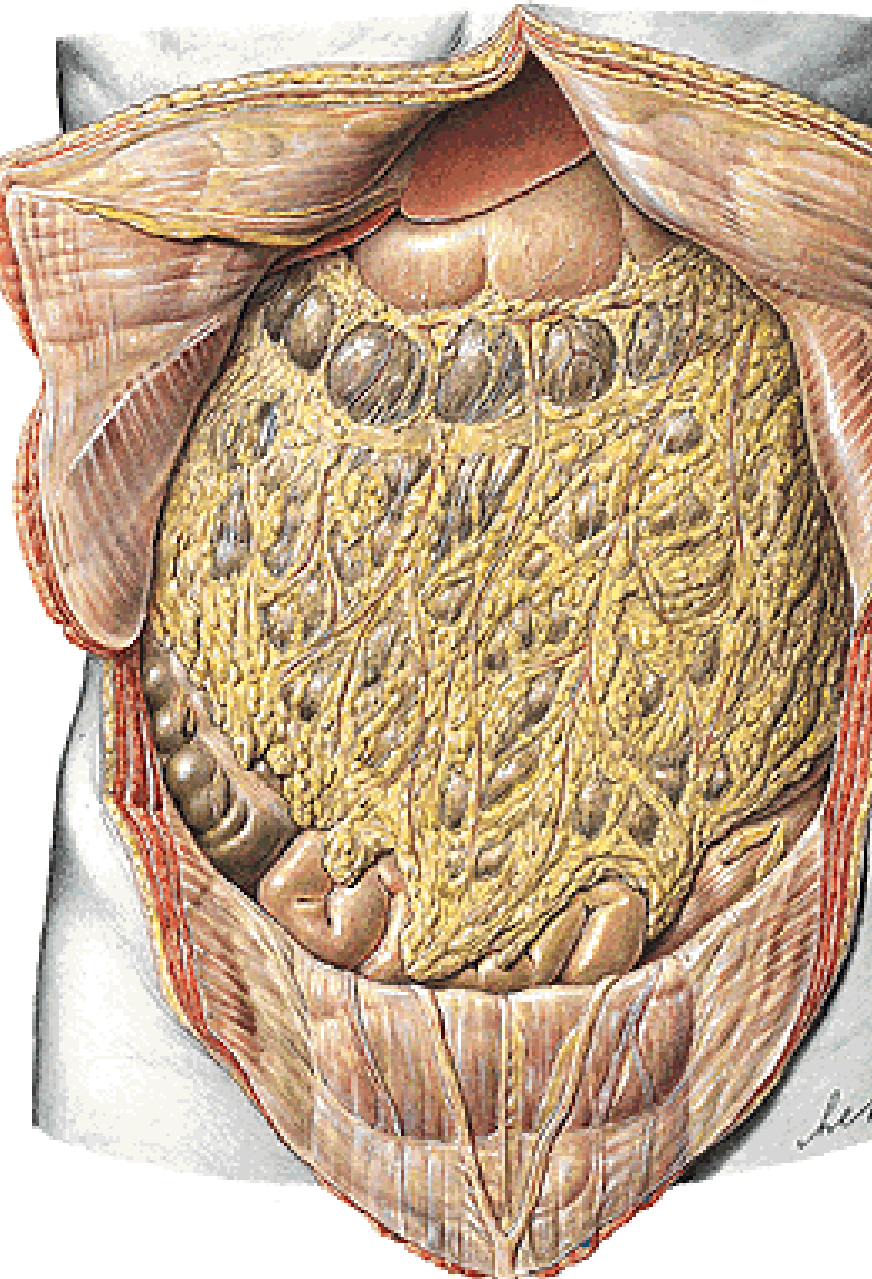
Secondarily retroperitoneal organs:

Most of duodenum, pancreas, caecum, colon ascendens, colon descendens

Primarily retroperitoneal organs:

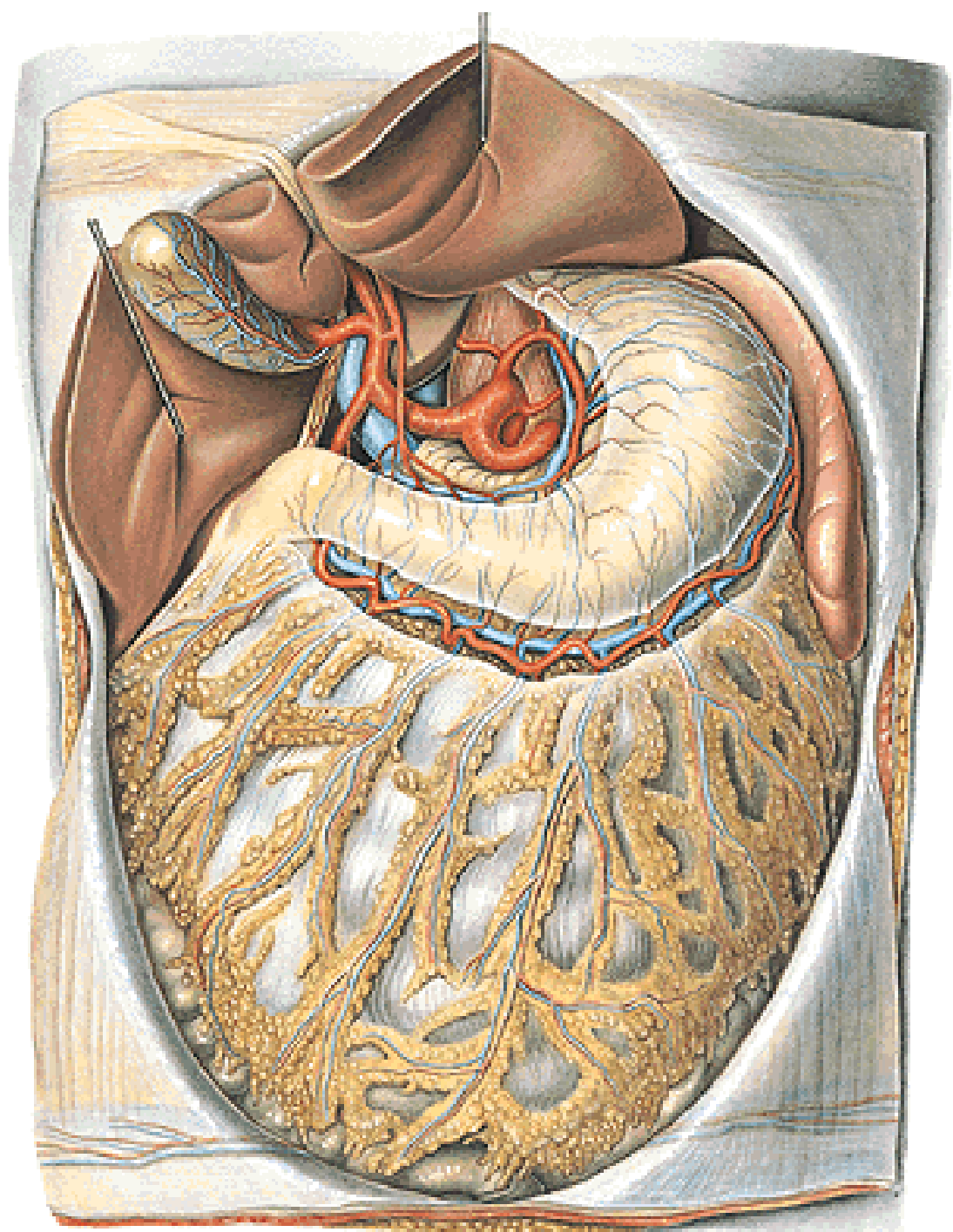
Kidneys, suprarenal glands, aorta, vena cava inf.

Cavitas peritonealis - pars supramesocolica, inframesocolica



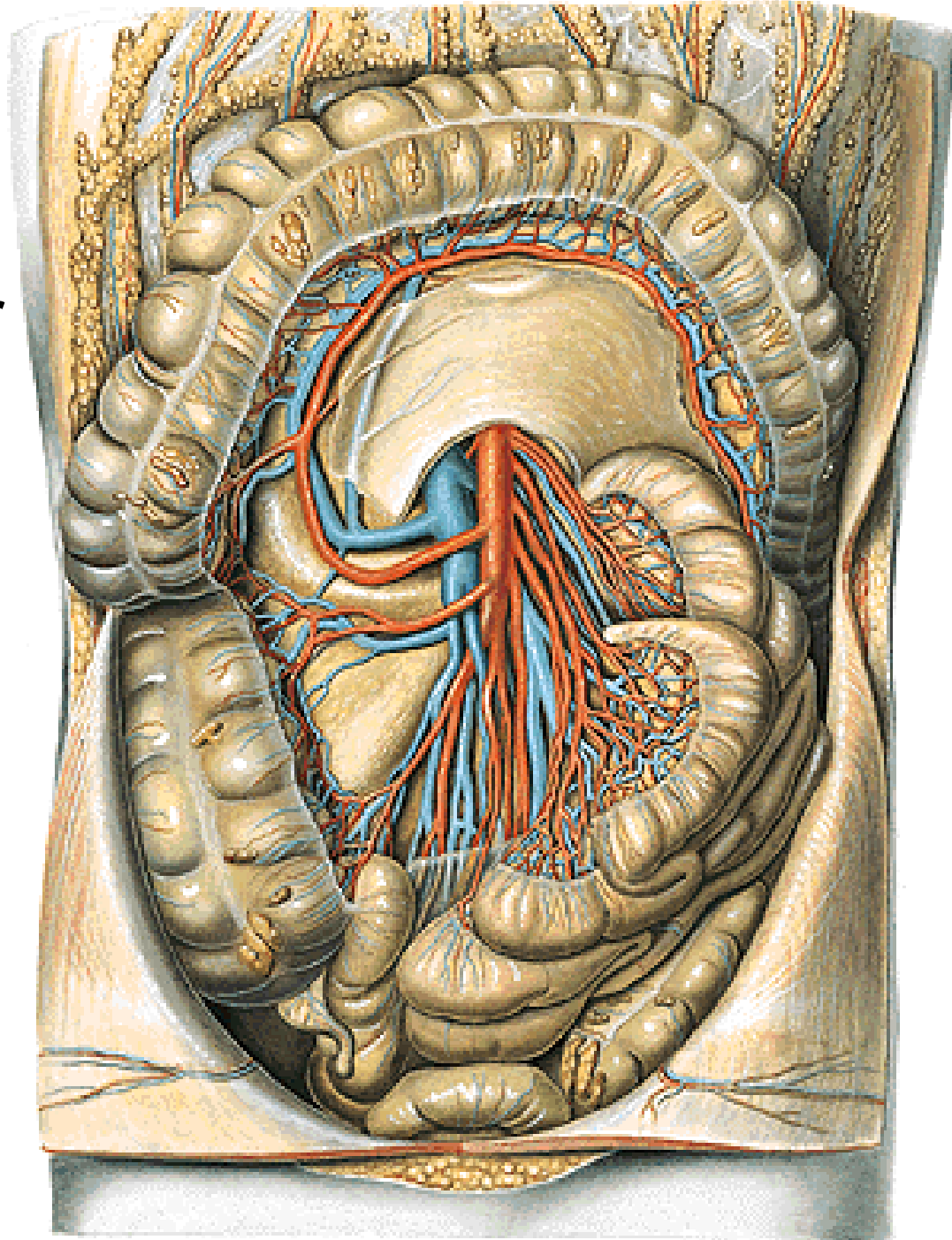
Pars supramesocolica

Truncus coeliacus



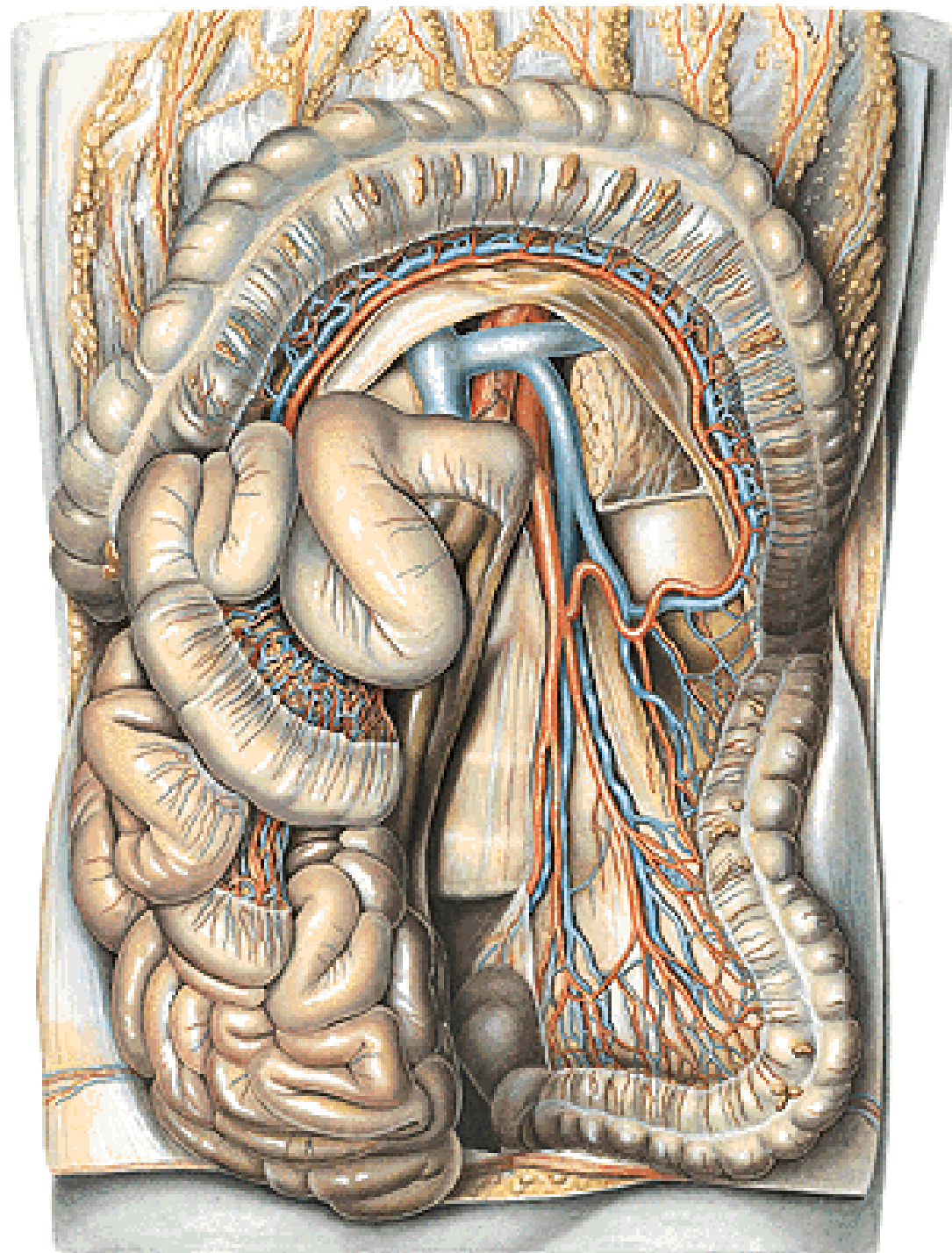
**Right infra(meso)colic
compartment**

A. mesenterica superior

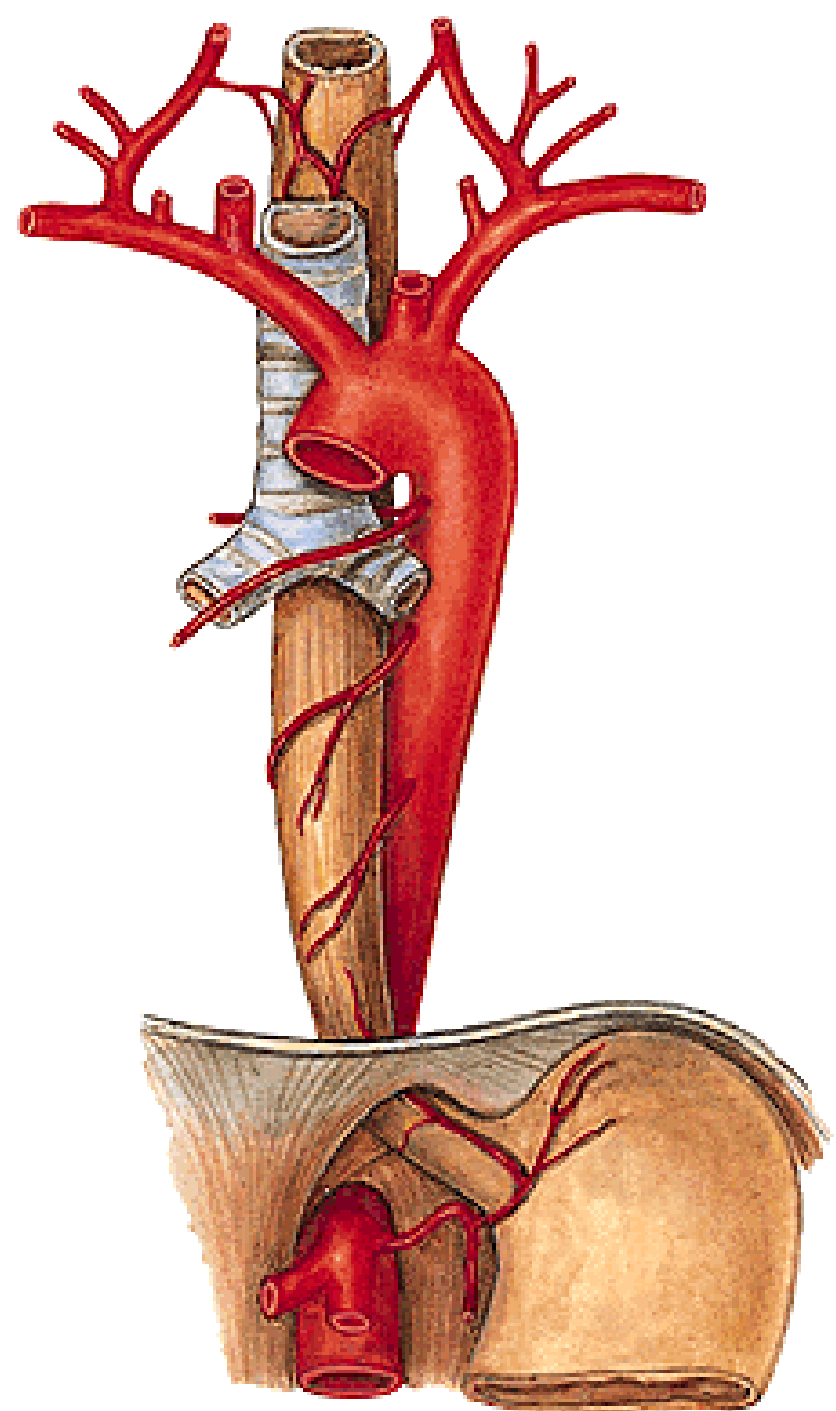


**Left infra(meso)colic
compartment**

A. mesenterica inferior



PARS ABDOMINALIS OF THE OESOPHAGUS



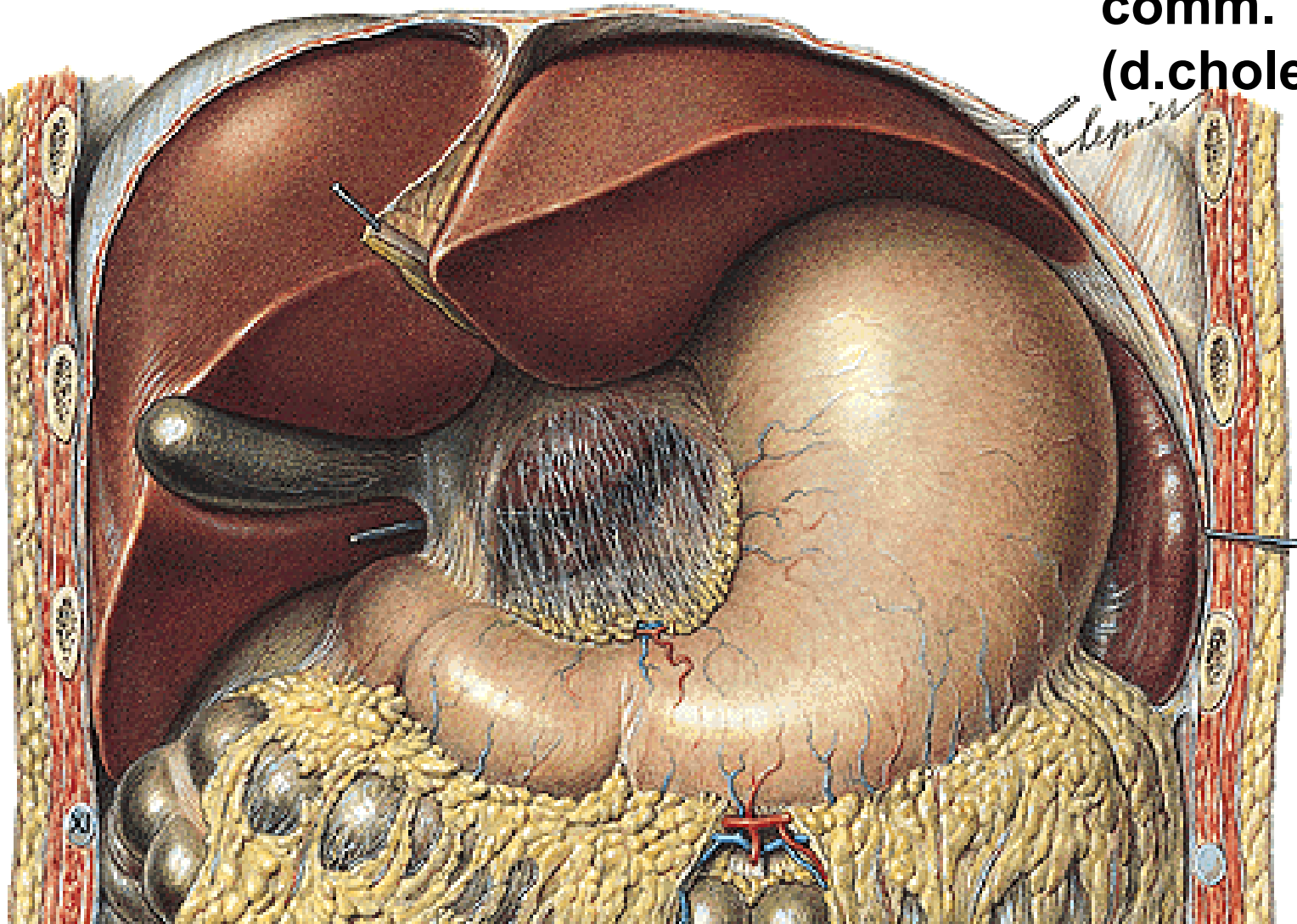
Omentum minus - lig. hepatogastricum

- lig. hepatoduodenale - a. hepatica propria

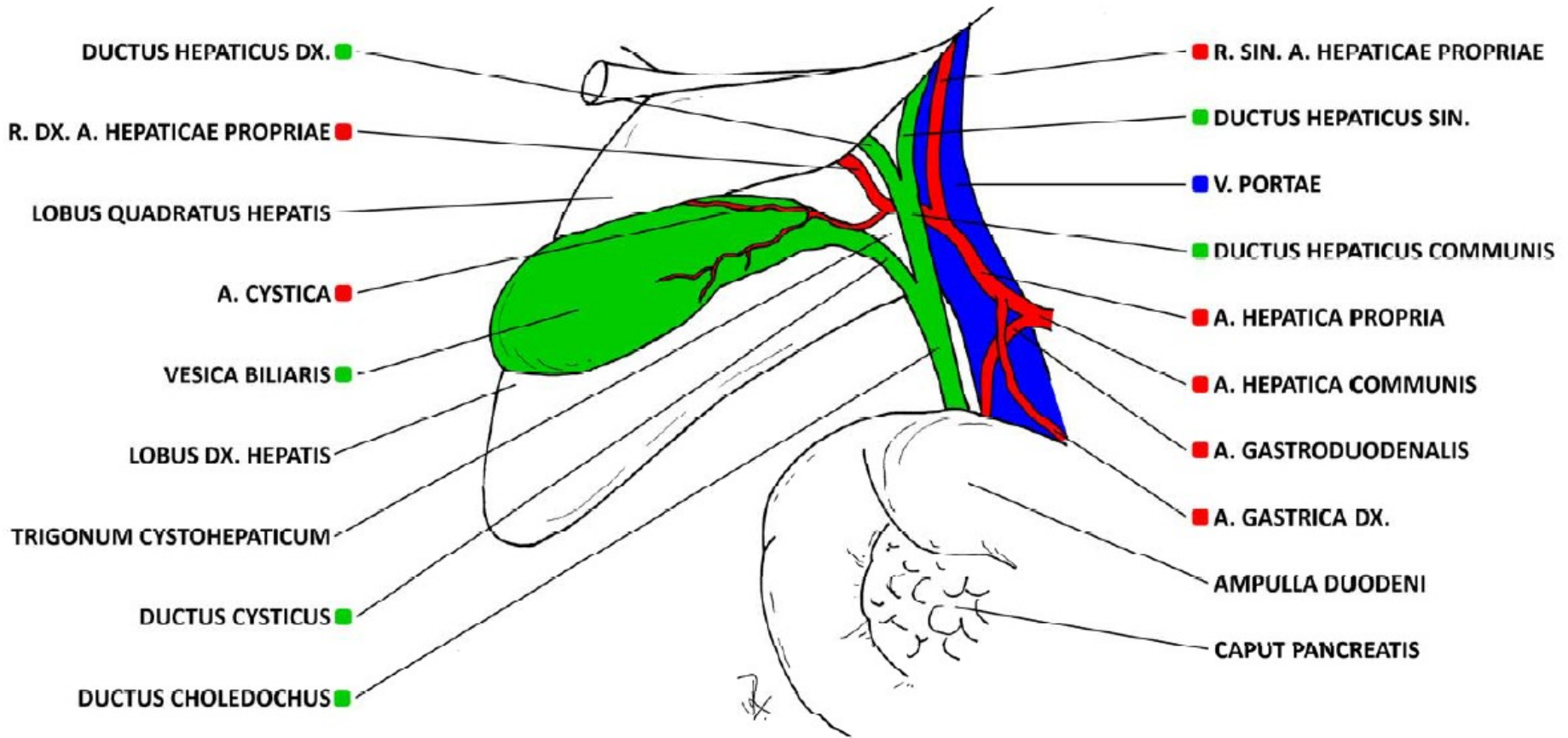
- v. portae

**- ductus hepaticus
comm.**

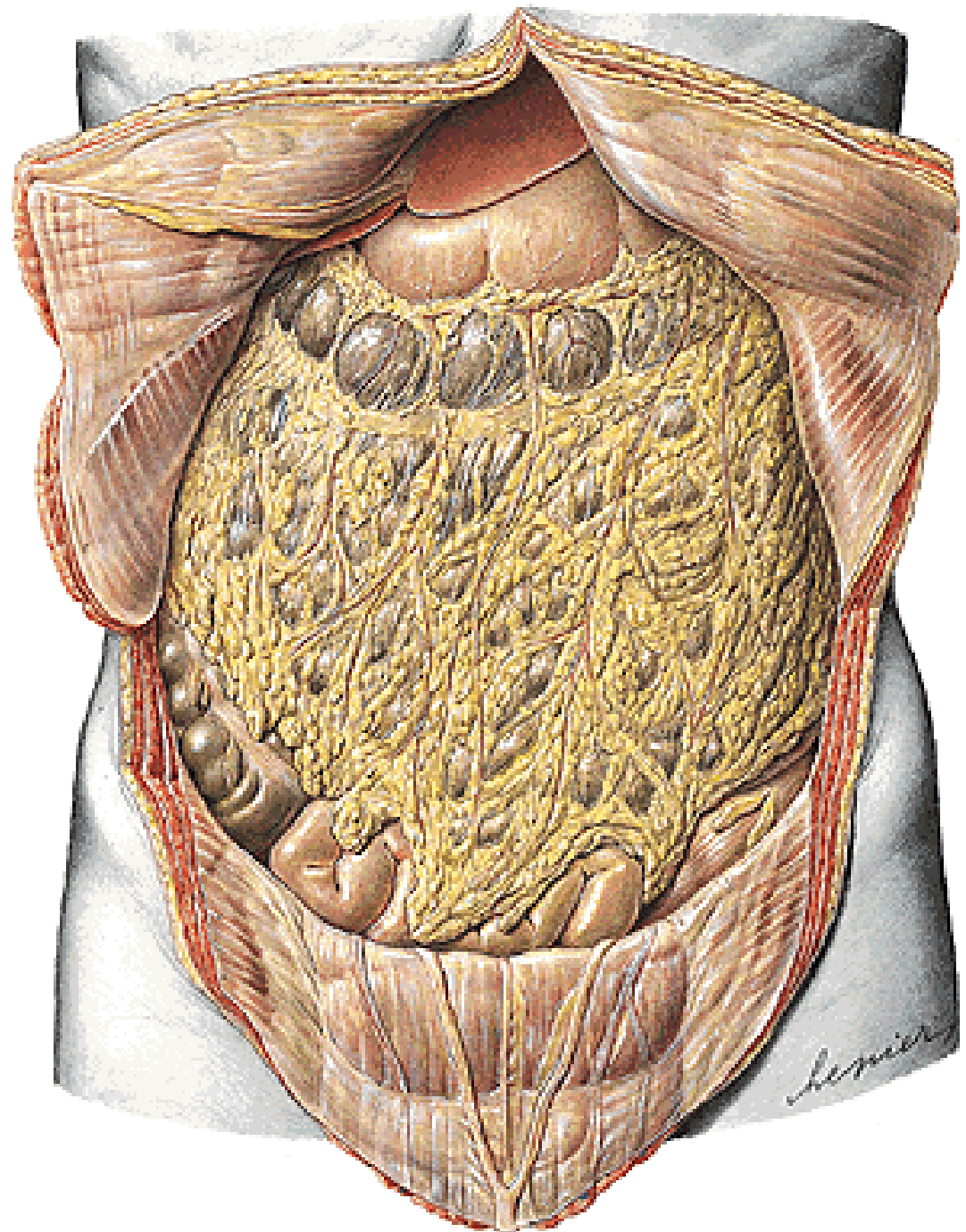
(d.choledochus)



LIGAMENTUM HEPATODUODENALE

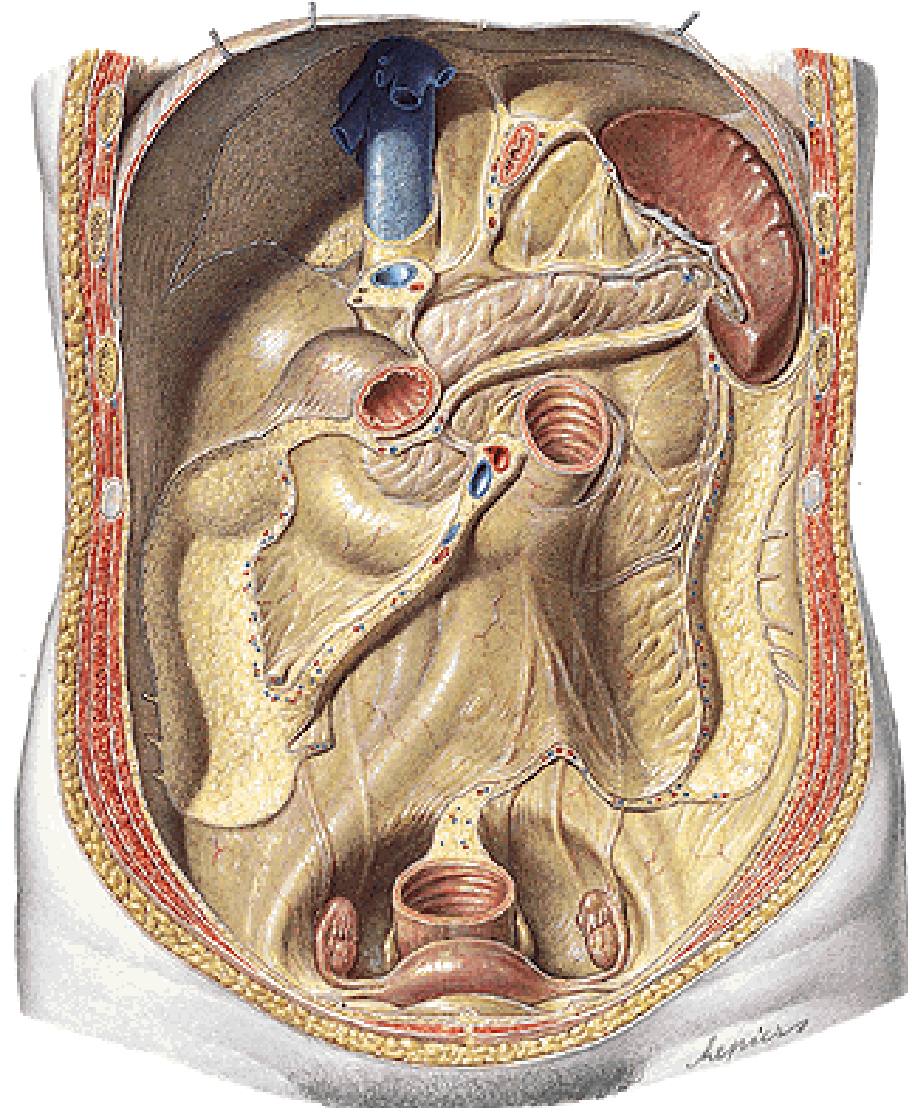
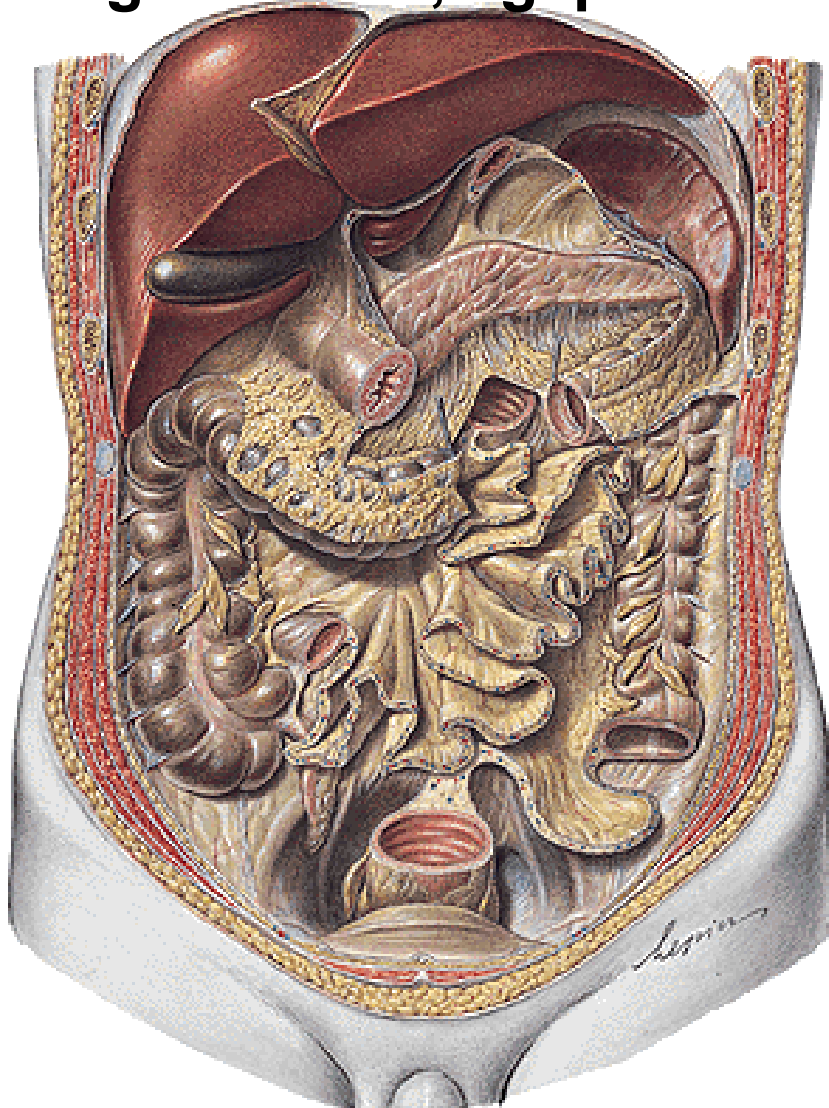


Omentum majus
- lig. gastrocolicum

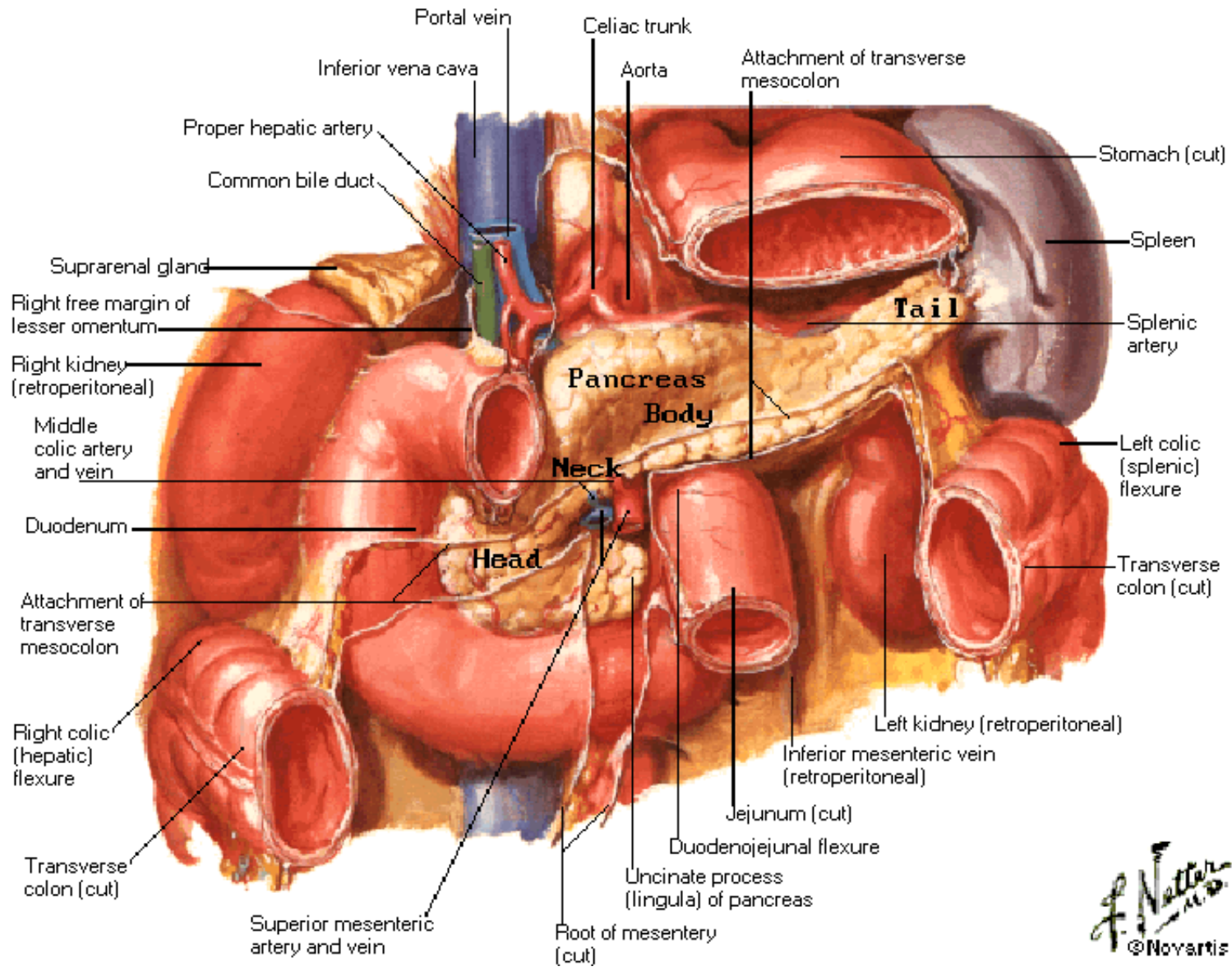




Lig. gastrosplenicum, phrenicosplenicum, splenorenale
Mesenterium – radix mesenterii
Mesocolon transversum, mesoappendix, mesocolon
sigmoideum, lig. phrenicocolicum



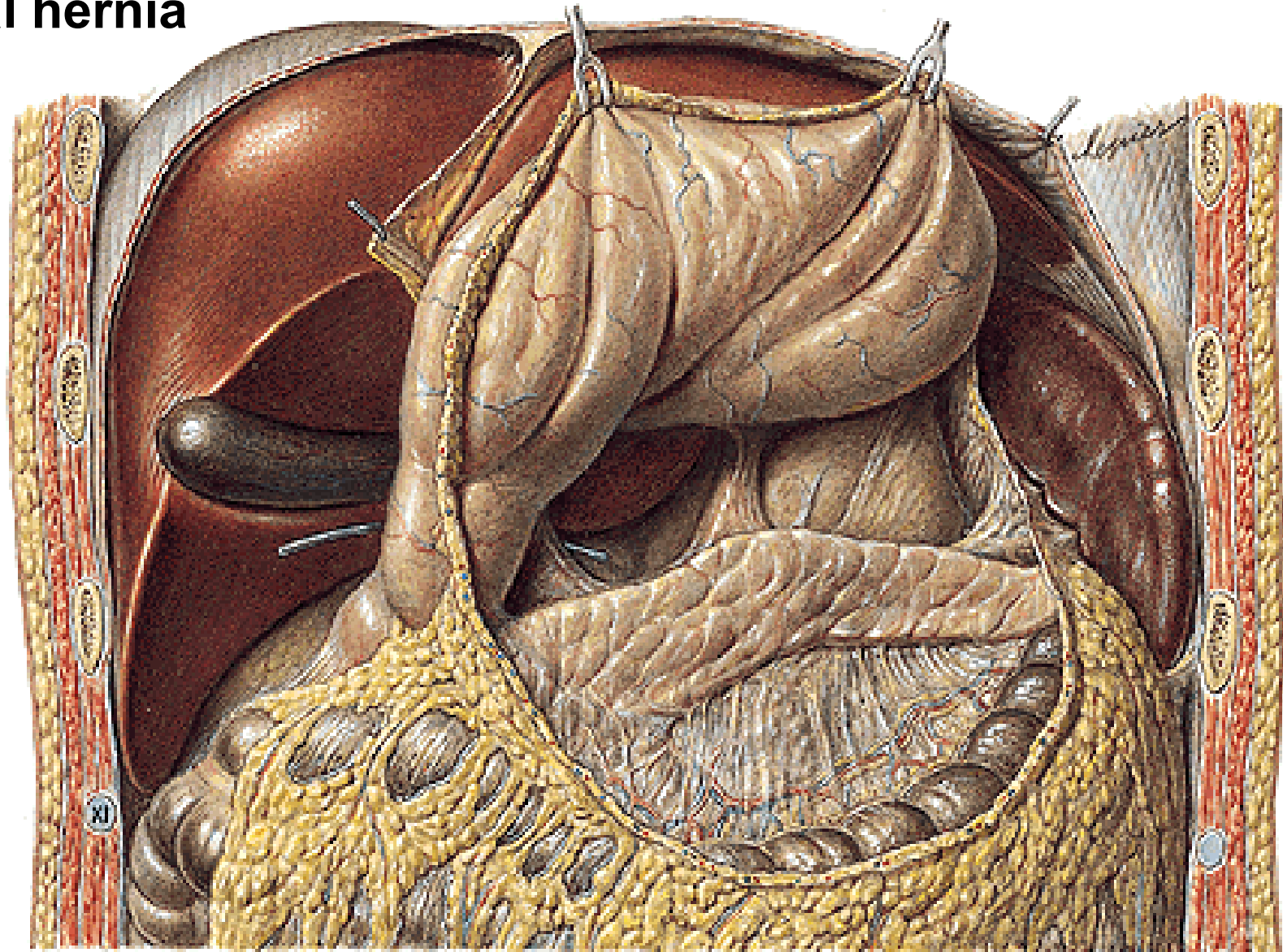
Pancreas in Situ



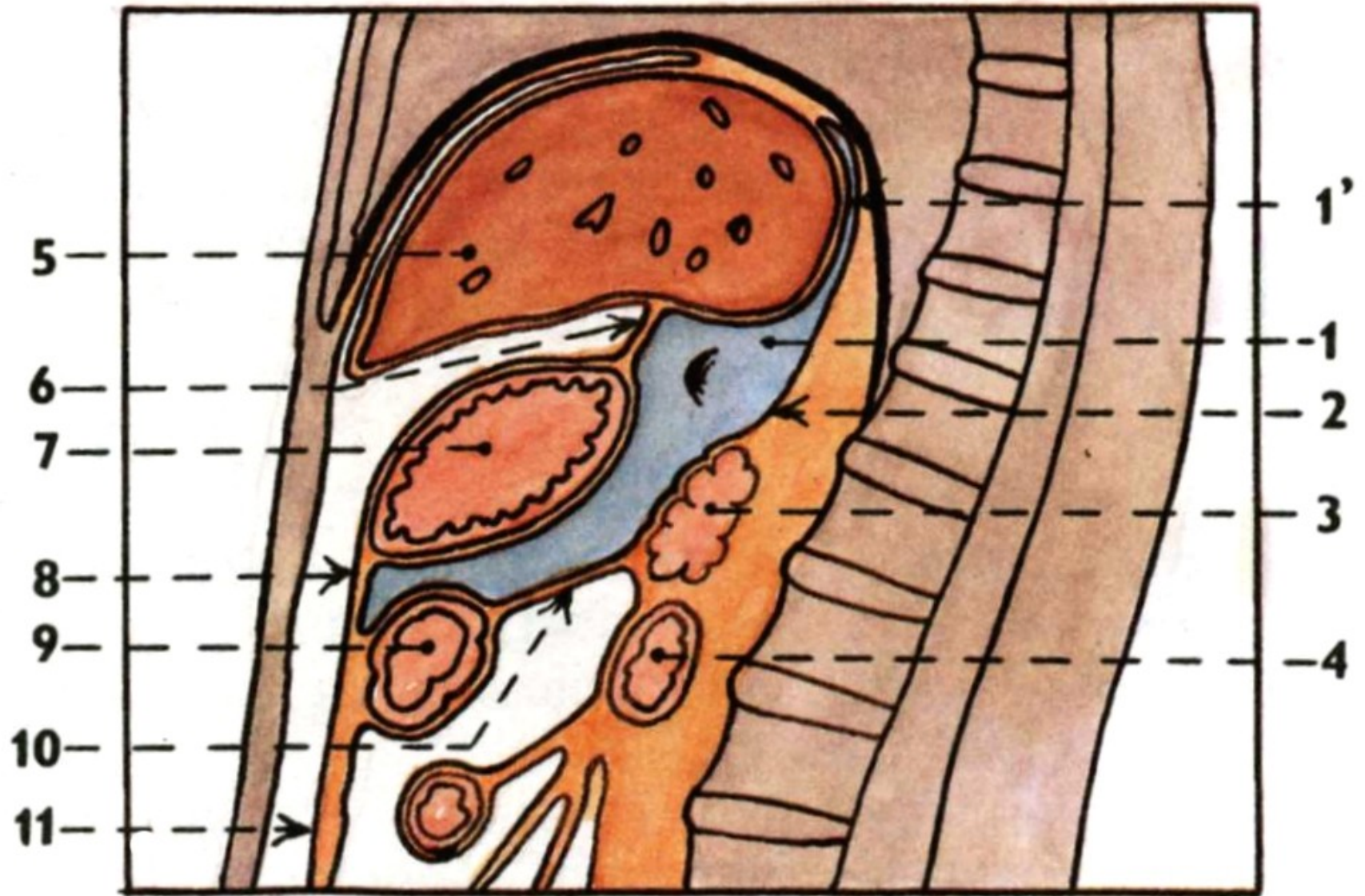
RECESSUS PERITONEI

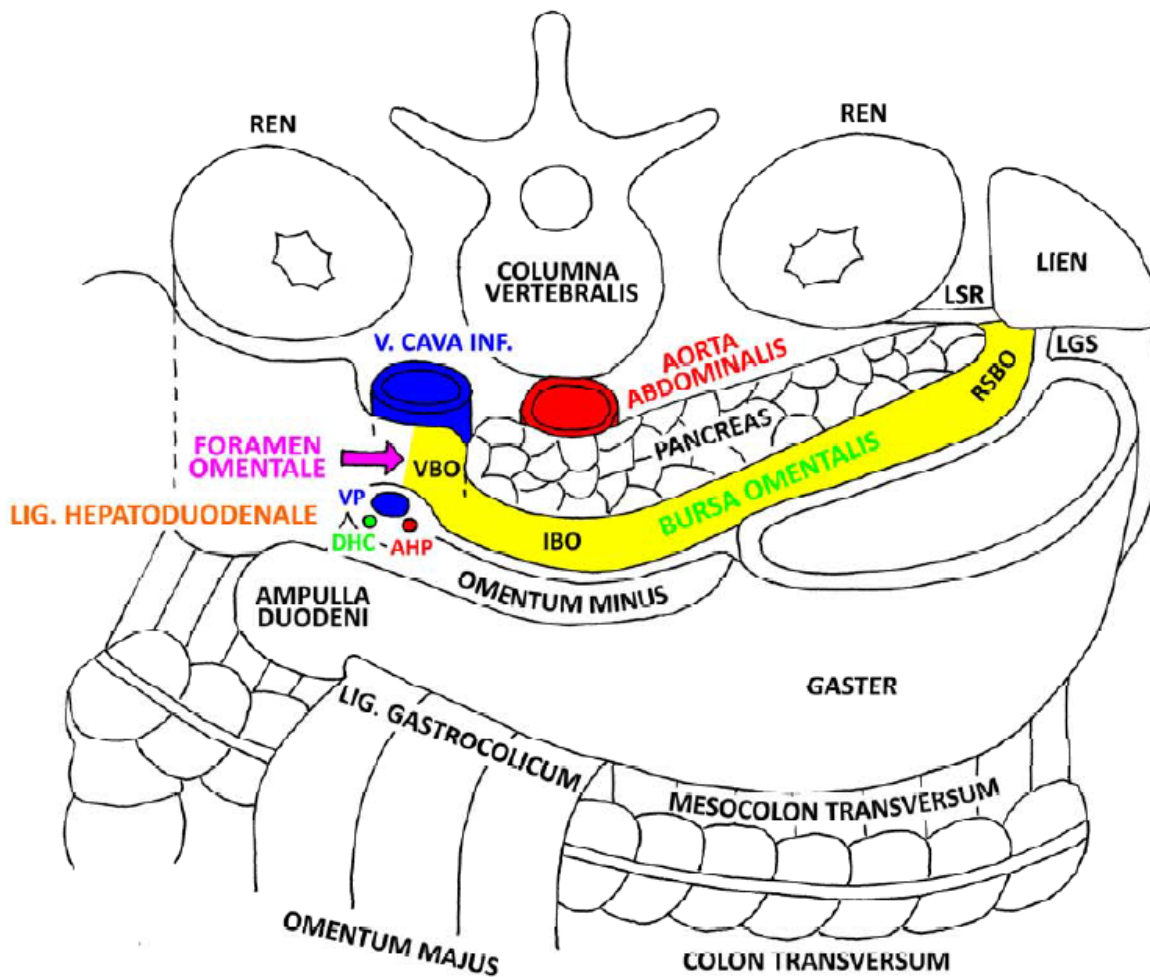
Bursa omentalis

Internal hernia



Bursa omentalis

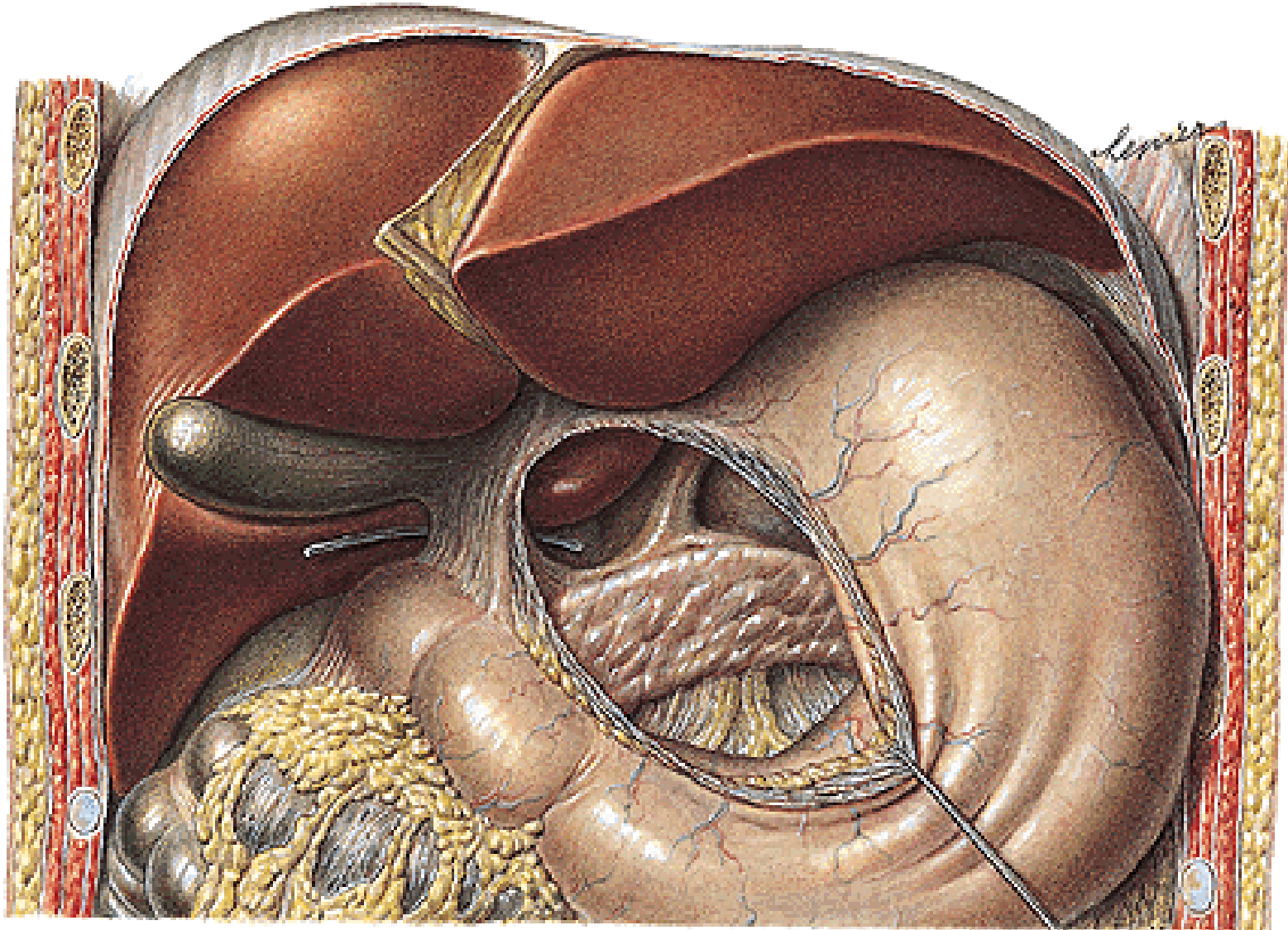




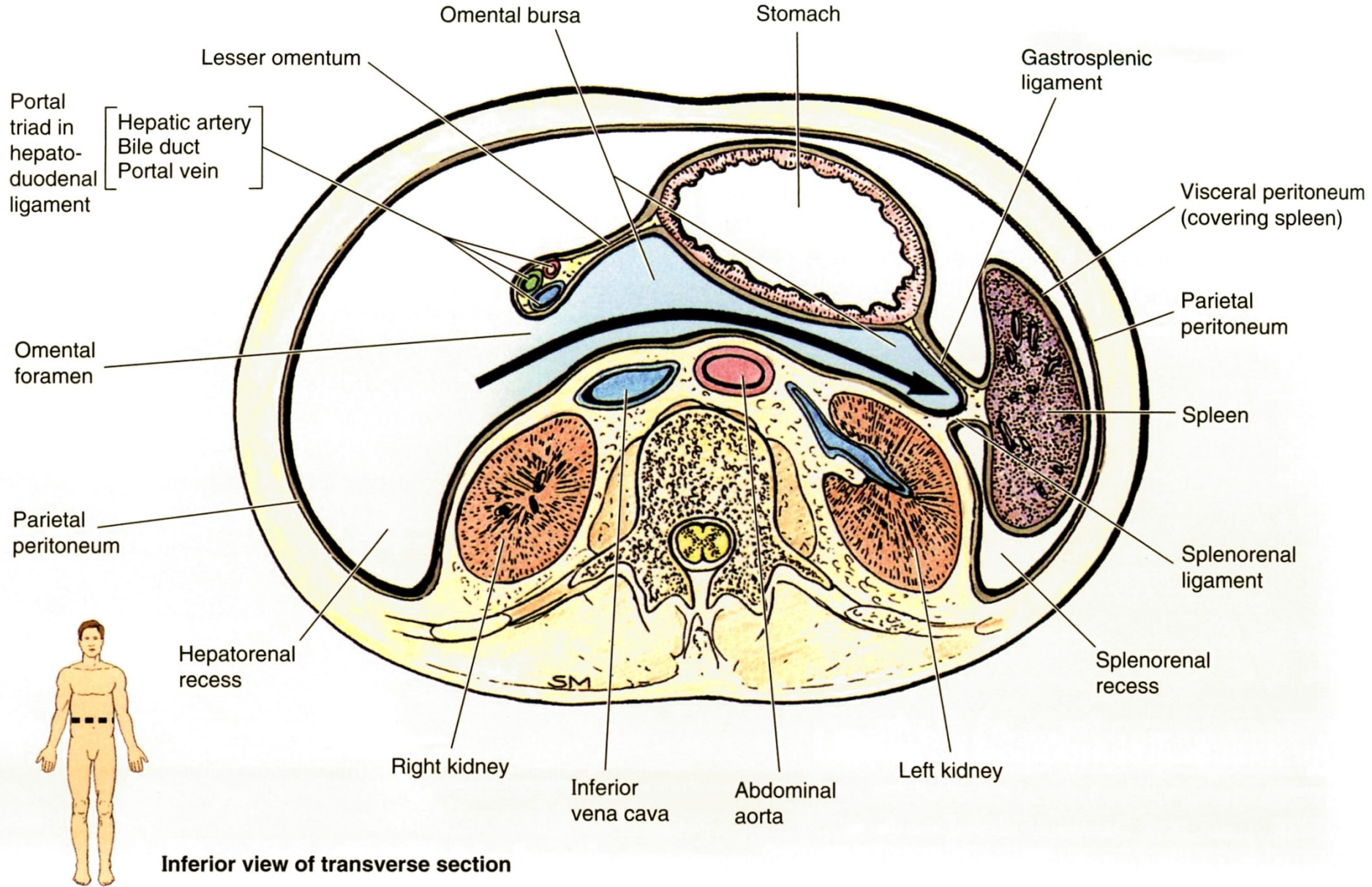
LSR - LIG. SPLENORENALE
 LGS - LIG. GASTROSPLENICUM
 RSBO - RECESSUS SPLENICUS BURSAE OMENTALIS
 IBO - ISTHMUS BURSAE OMENTALIS
 VBO - VESTIBULUM BURSAE OMENTALIS

VP - V. PORTAE
 DHC - DUCTUS HEPATICUS COMMUNIS
 AHP - A. HEPATICA PROPRIA

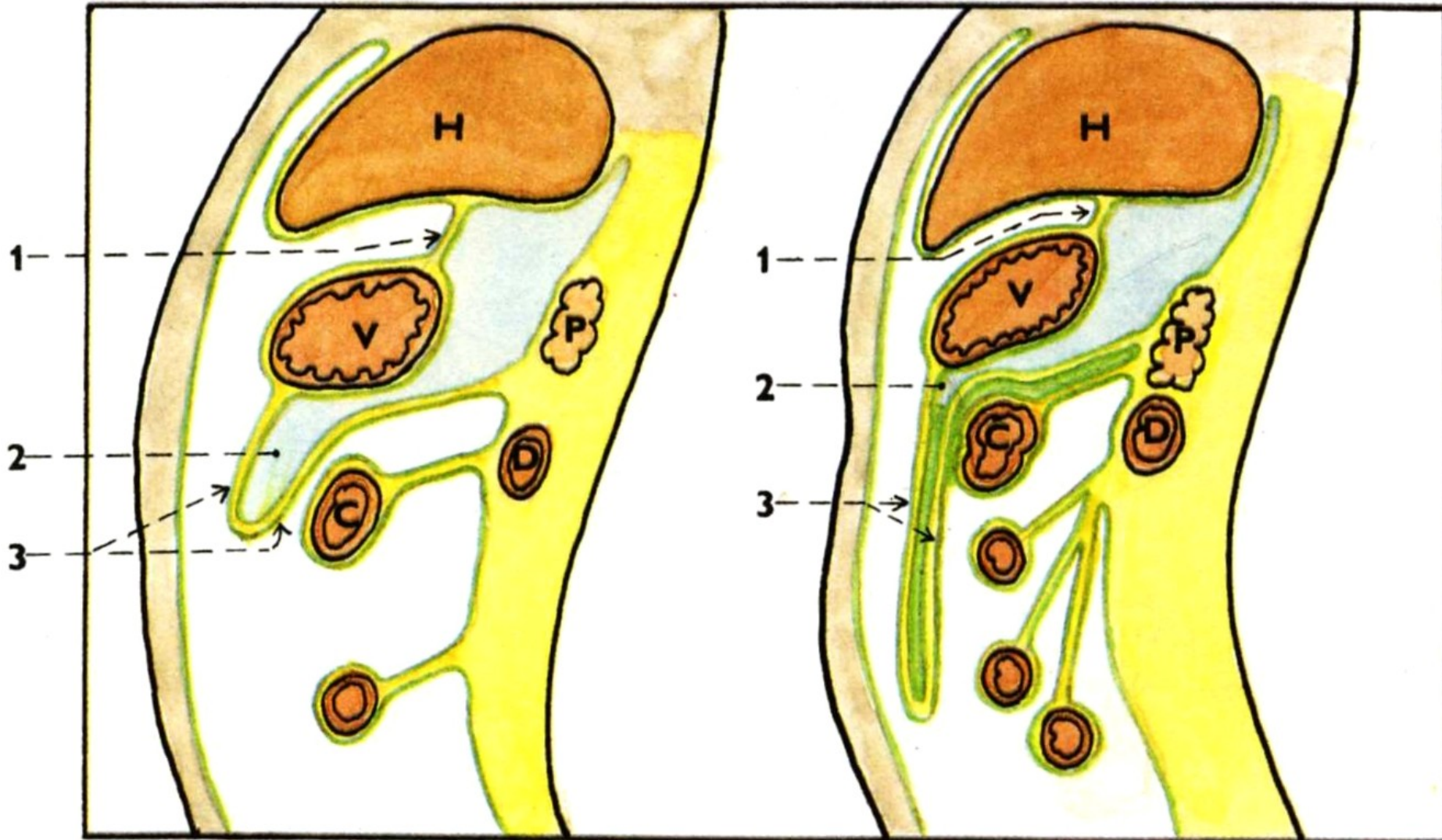
Foramen omentale/epiploicum (Winslow)
Recessus sup., splenicus, inf.



Abdominal Wall and Viscera

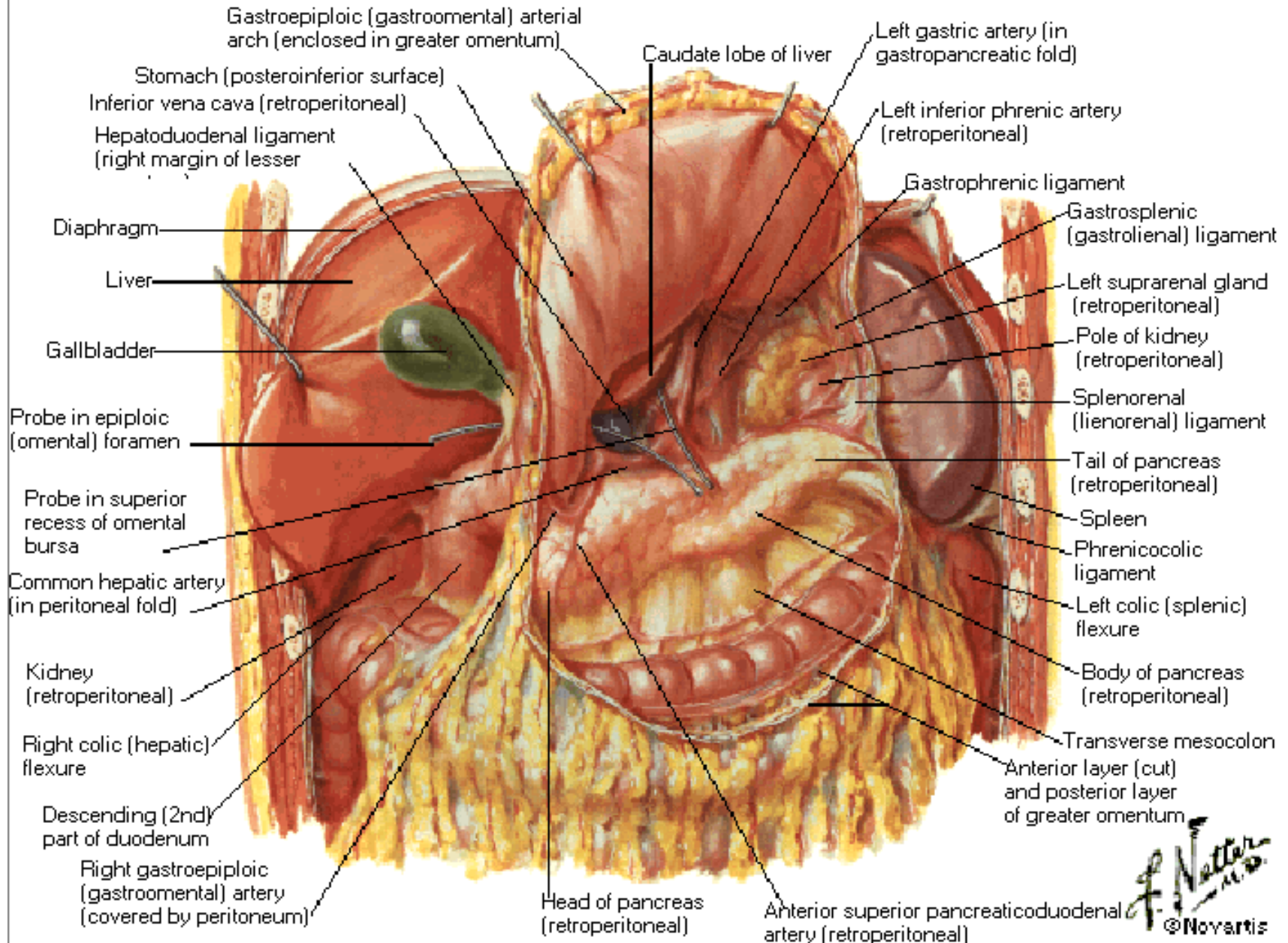


Recessus inferior bursae omentalis (2)



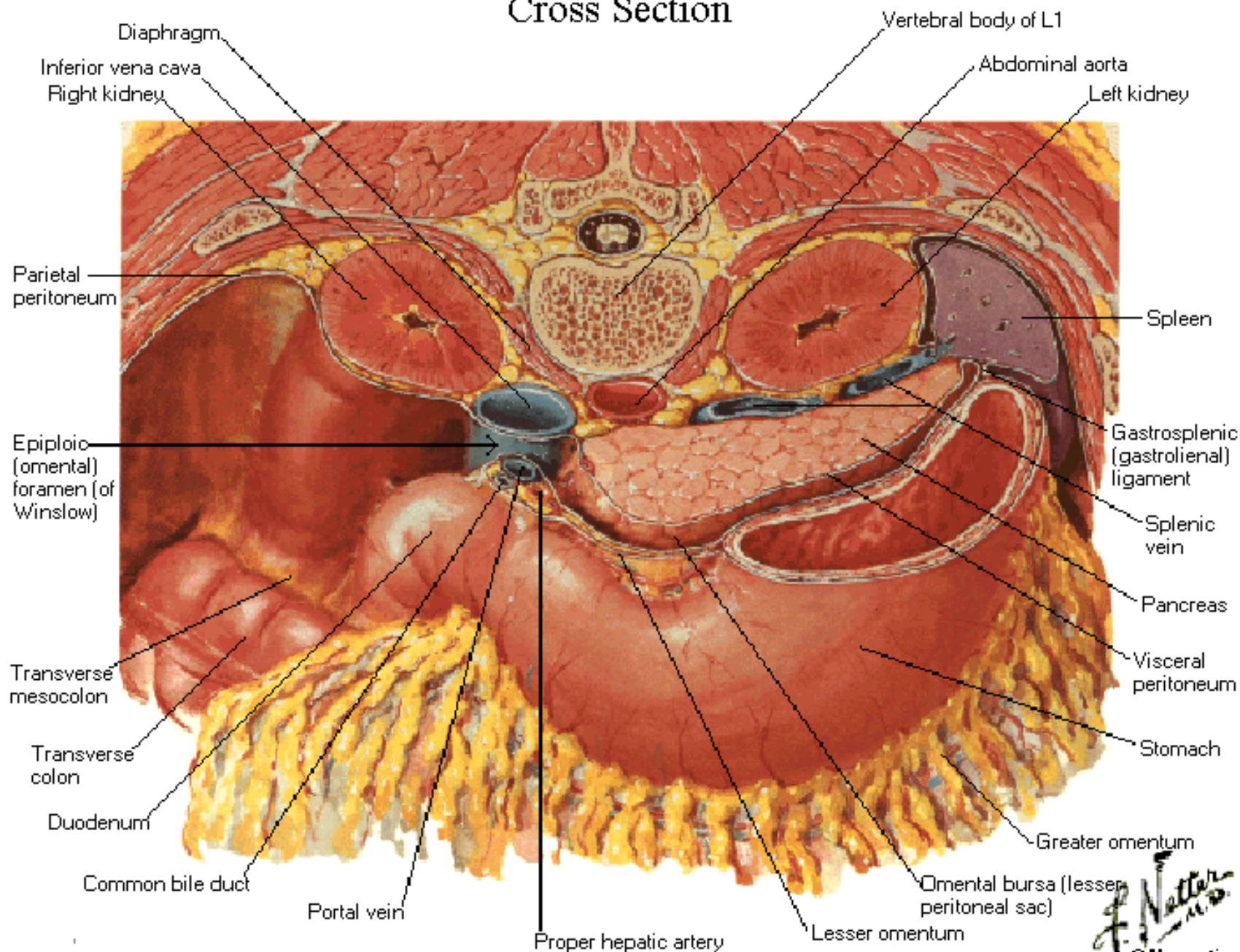
Omental Bursa

Stomach Reflected

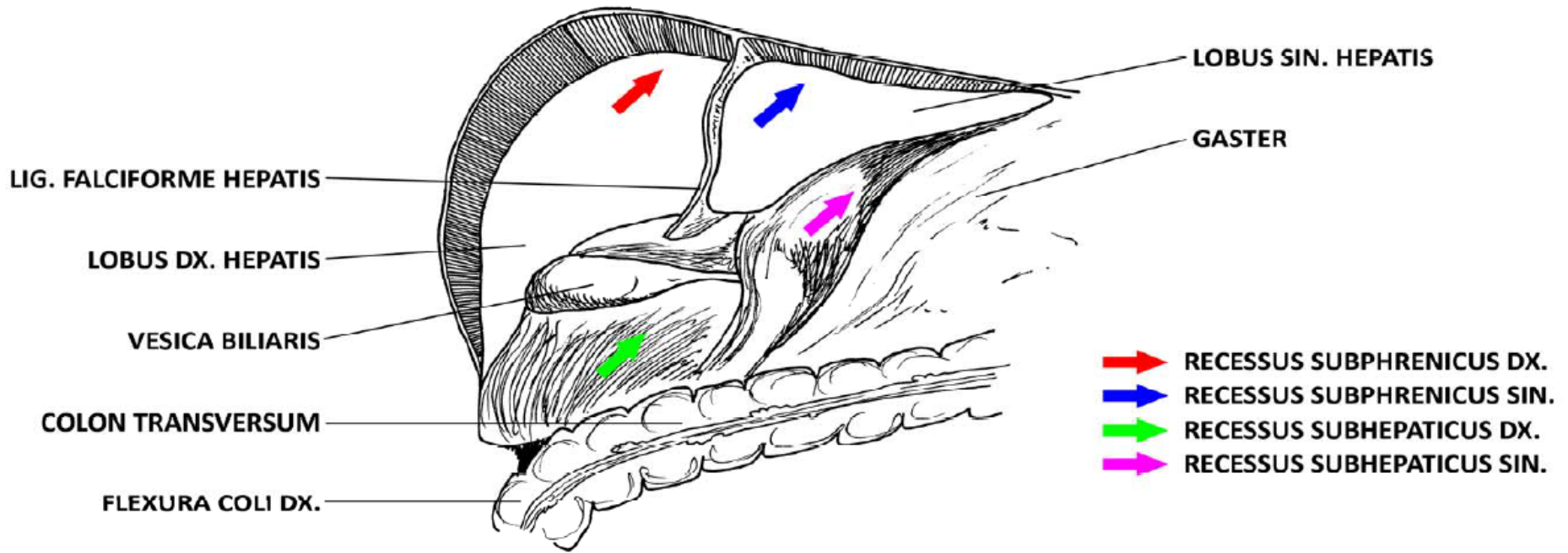


Omental Bursa

Cross Section

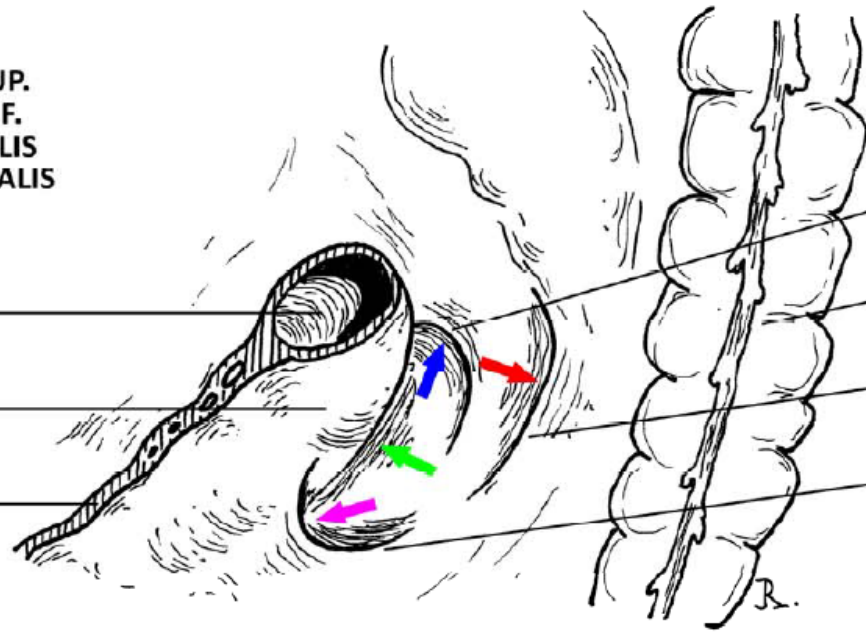


RECESSUS PERITONEALES



- ➔ RECESSUS DUODENALIS SUP.
- ➔ RECESSUS DUODENALIS INF.
- ➔ RECESSUS PARADUODENALIS
- ➔ RECESSUS RETRODUODENALIS

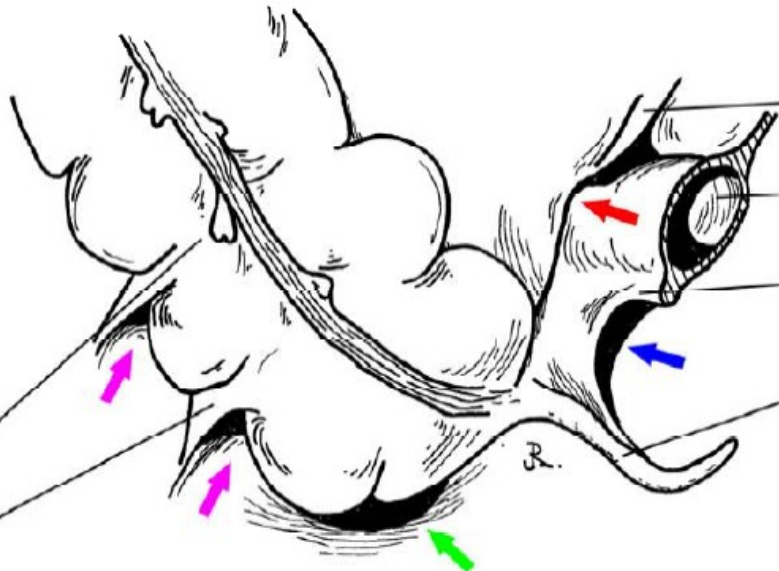
FLEXURA DUODENOJEJUNALIS
 PARS ASCENDENS DUODENI
 RADIX MESENTERII



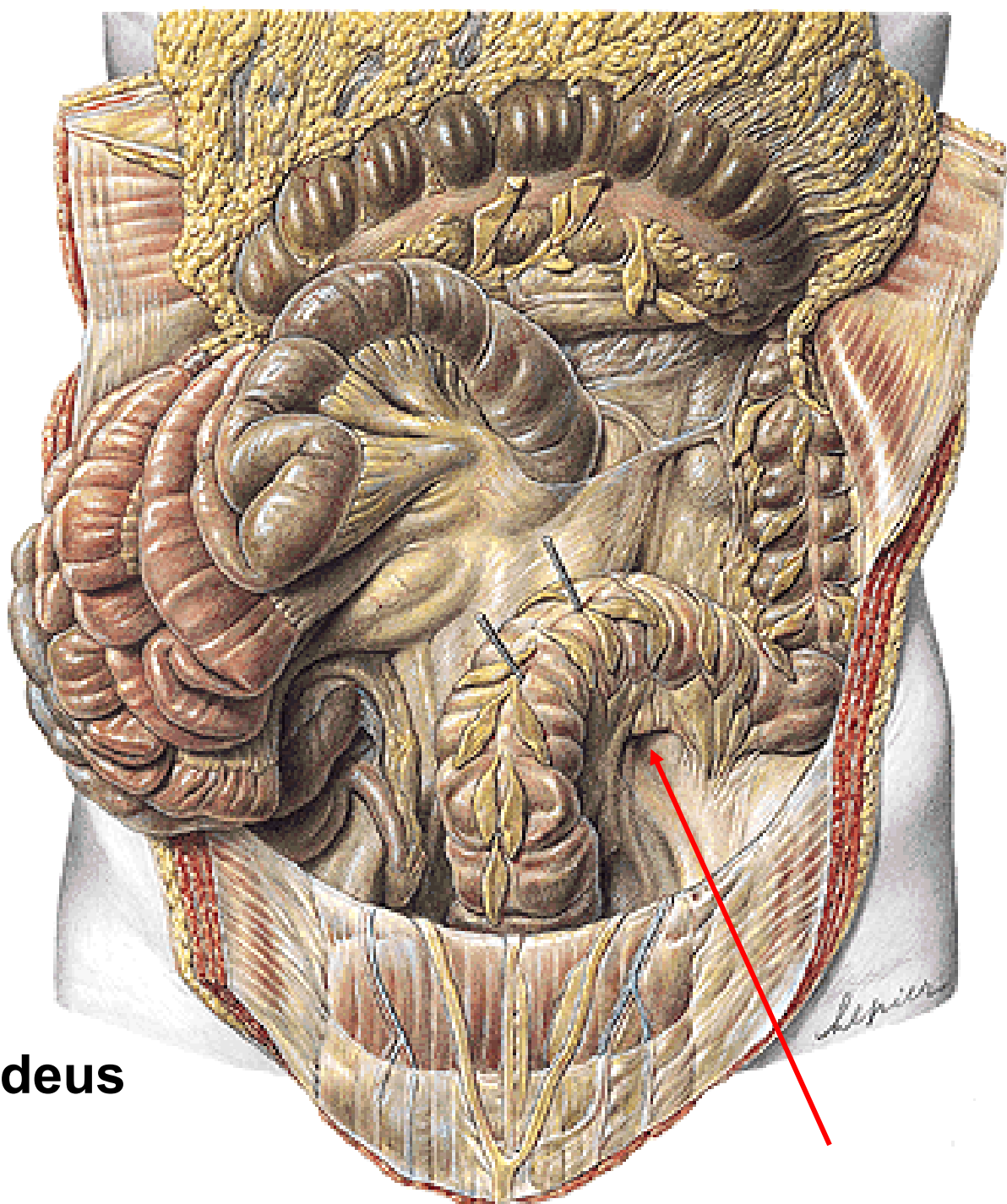
PLICA DUODENALIS SUP.
 COLON DESCENDENS
 PLICA PARADUODENALIS
 PLICA DUODENALIS INF.

- ➔ RECESSUS ILEOCAECALIS SUP.
- ➔ RECESSUS ILEOCAECALIS INF.
- ➔ RECESSUS RETROCAECALIS
- ➔ SULCI PARACOLICI

CAECUM
 PLICA CAECALIS

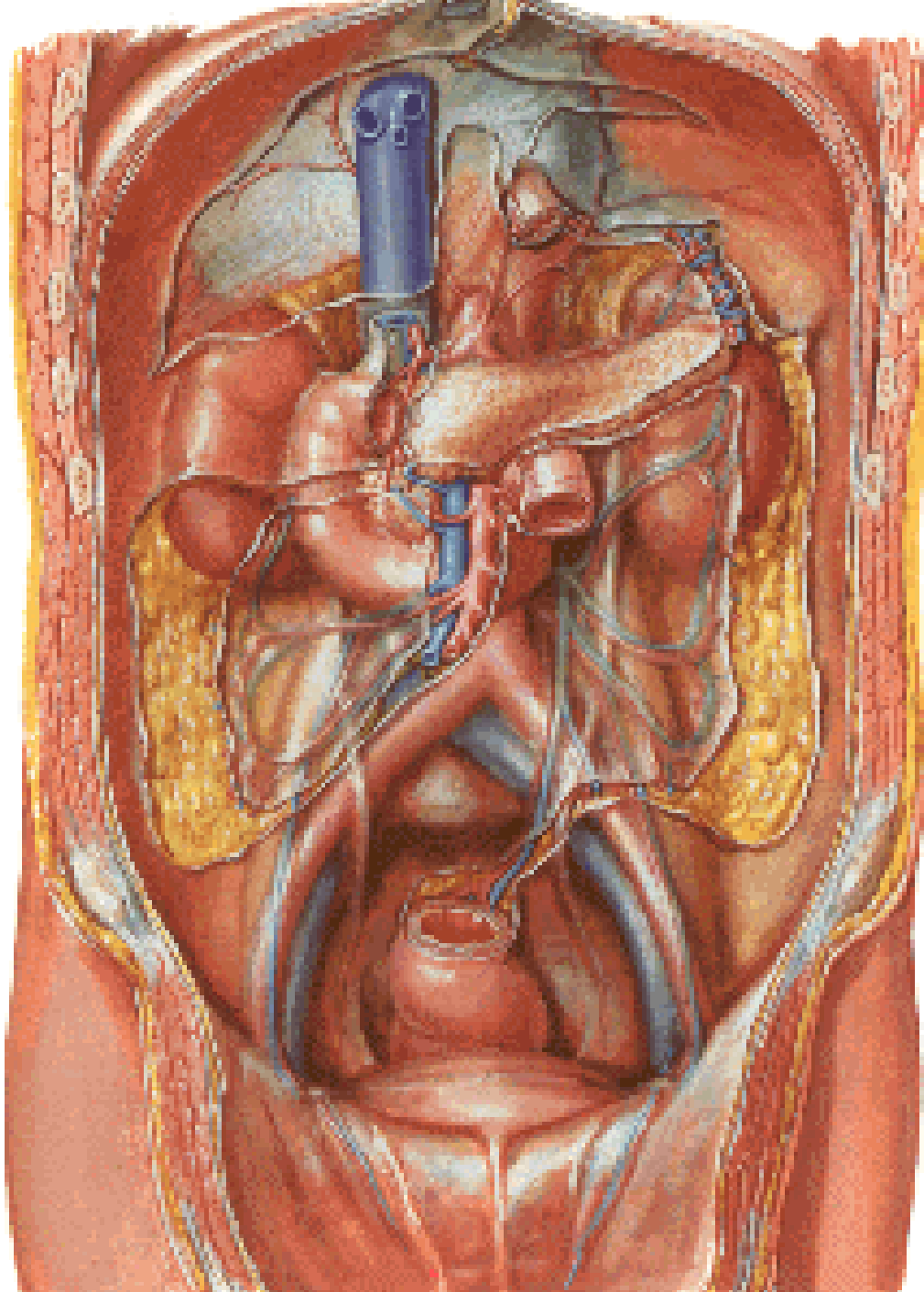


PLICA CAECALIS VASCULARIS
 ILEUM
 PLICA ILEOCAECALIS
 APPENDIX VERMIFORMIS



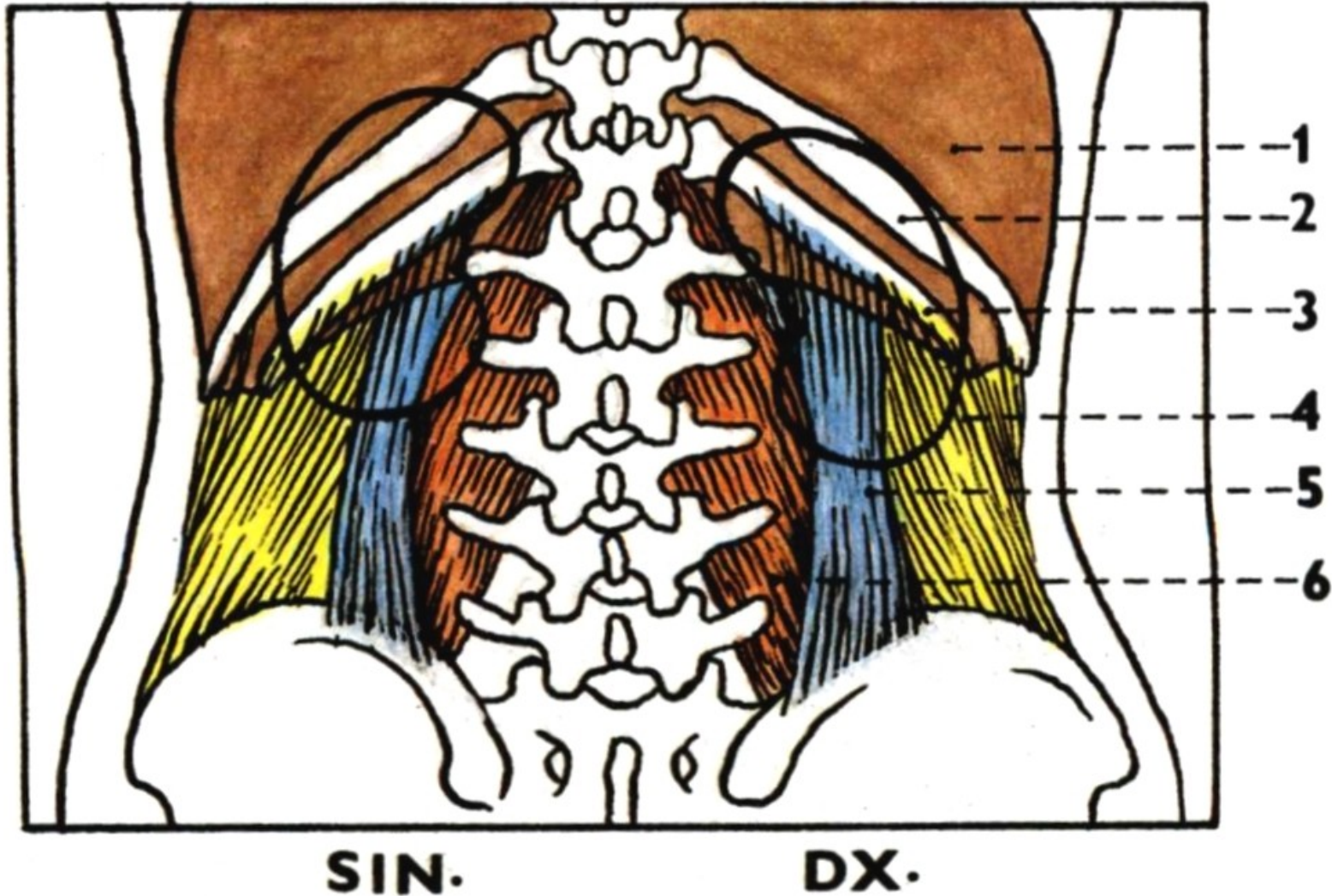
Recessus intersigmoideus

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

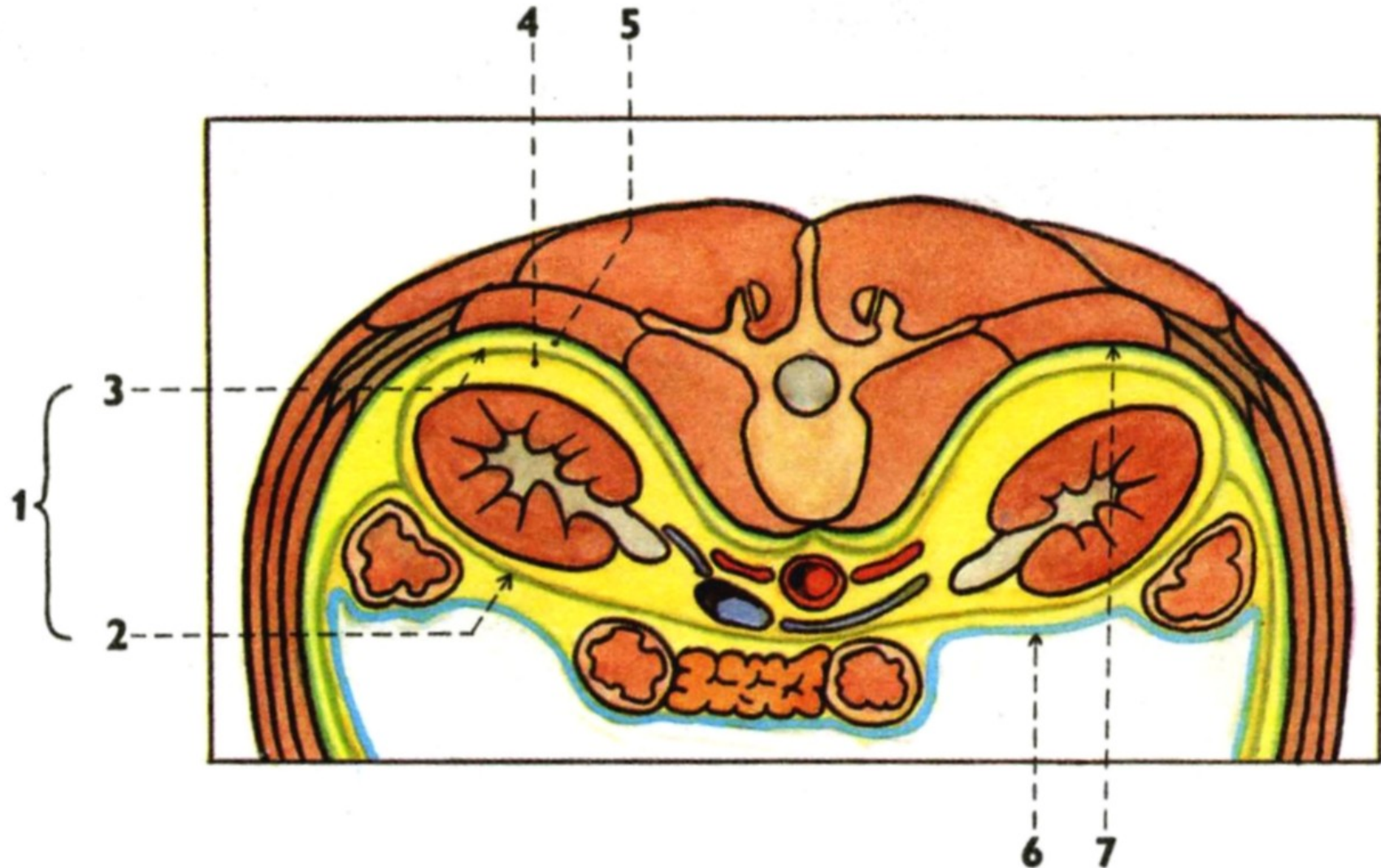
3. lamina retrorenalis

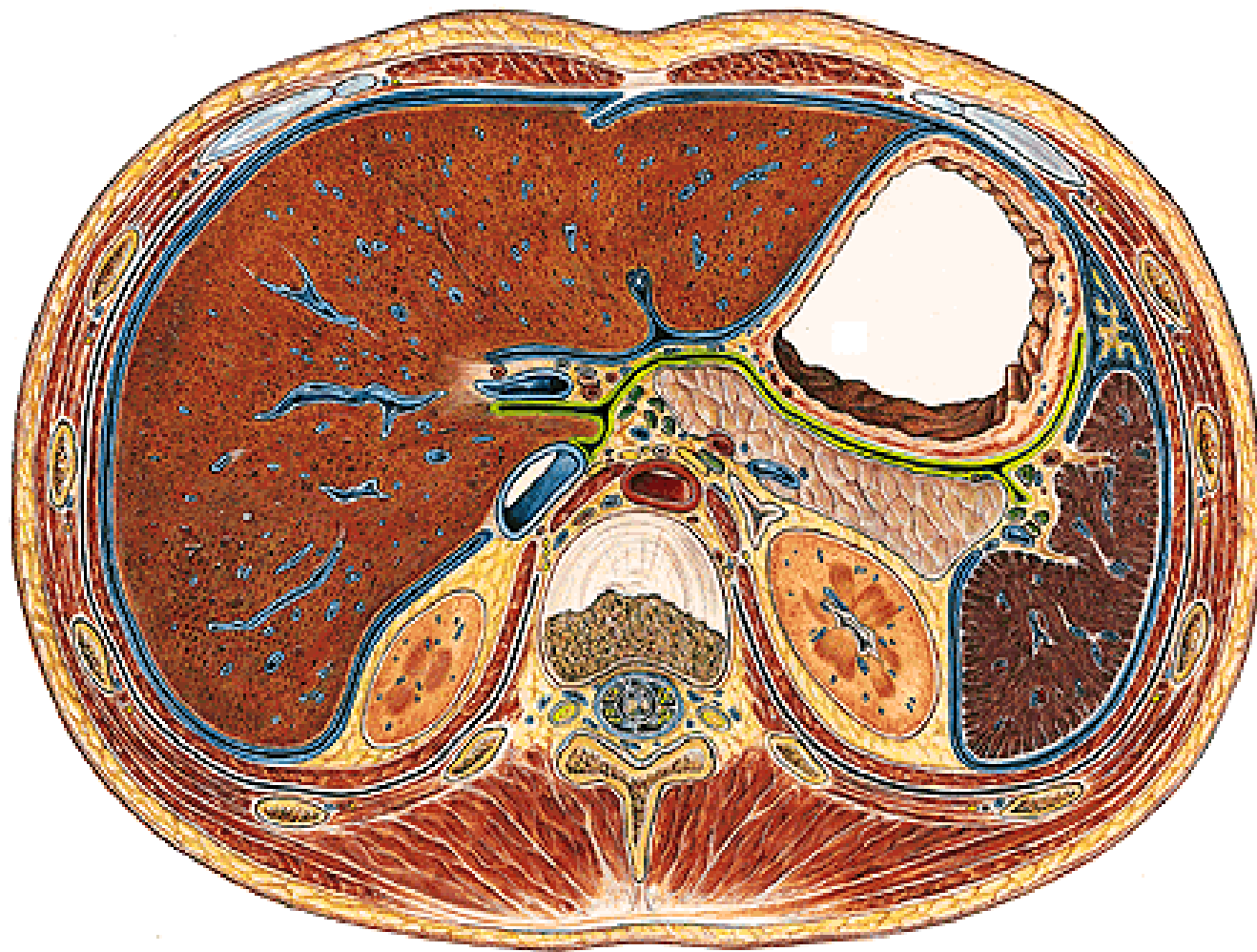
4. capsula adiposa

5. corpus adiposum pararenale

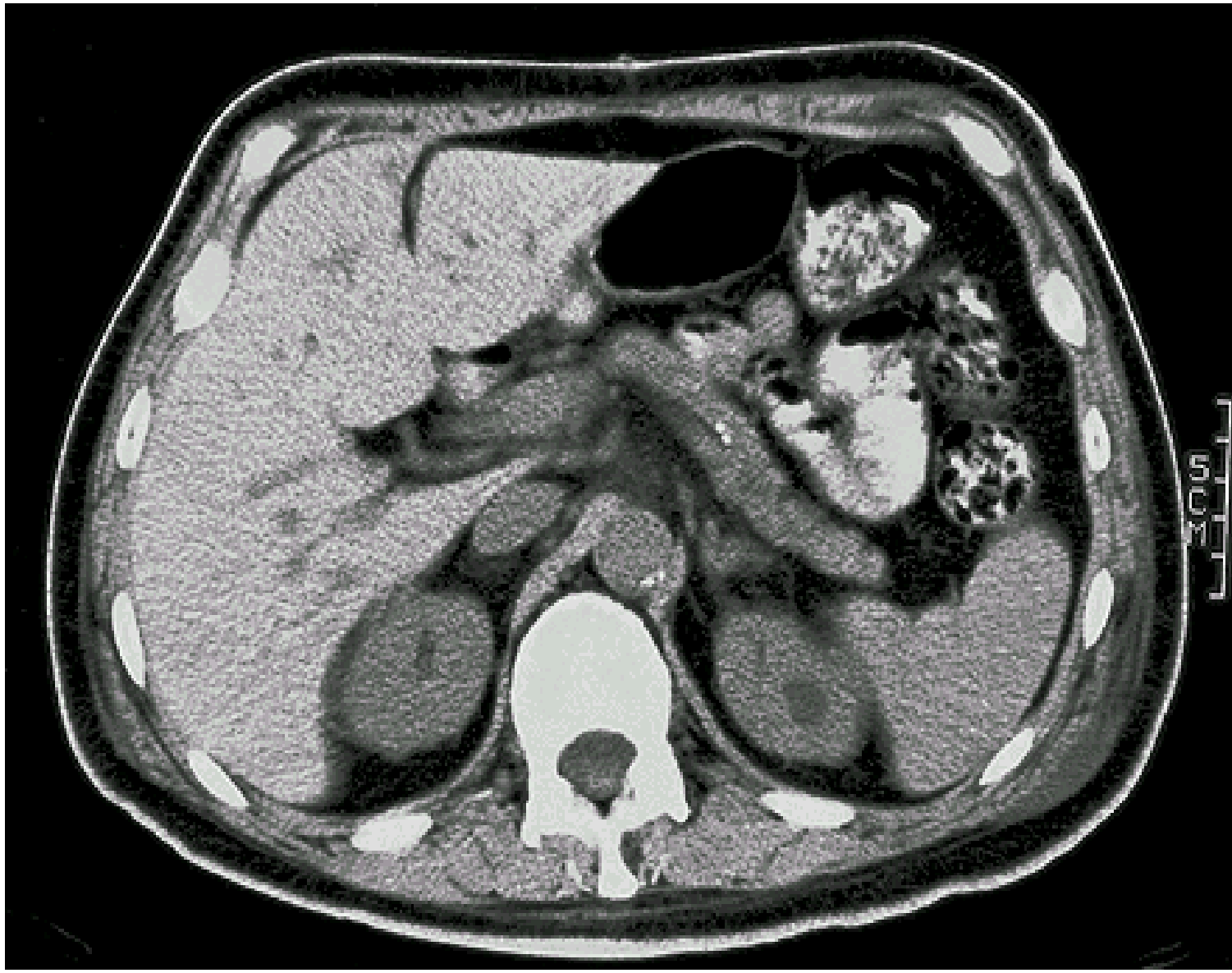
6. peritoneum

7. fascia transversalis





Th XII



Illustrations were copied from:

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

Atlas der Anatomie des Menschen/Sobotta.

**Putz,R., und Pabst,R. 20. Auflage. München:
Urban & Schwarzenberg, 1993**