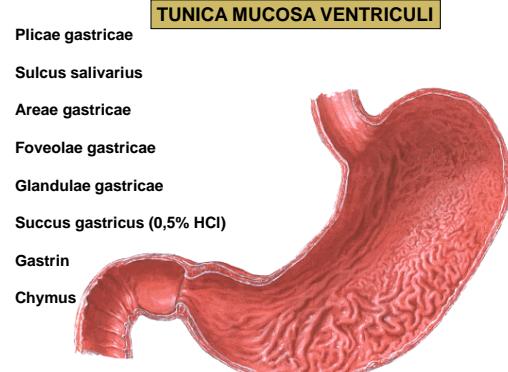
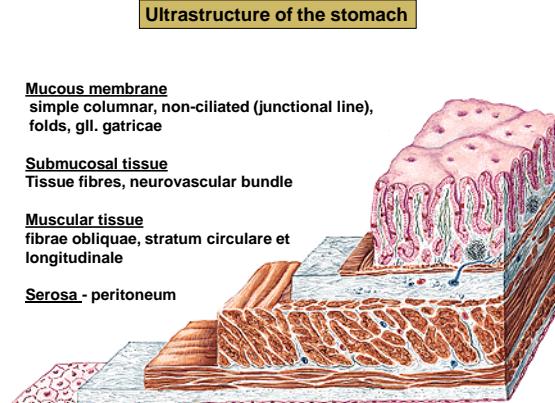
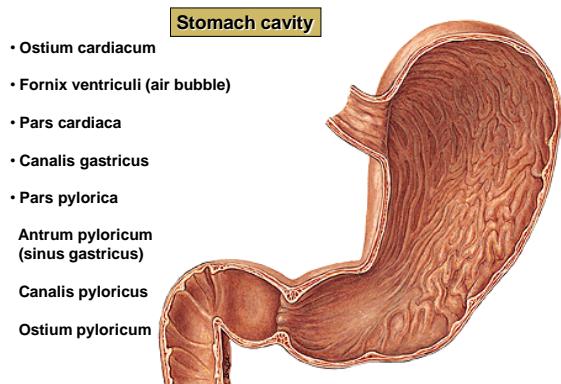
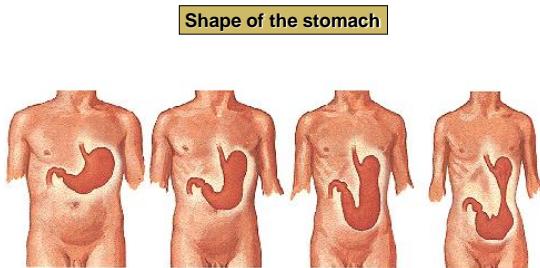
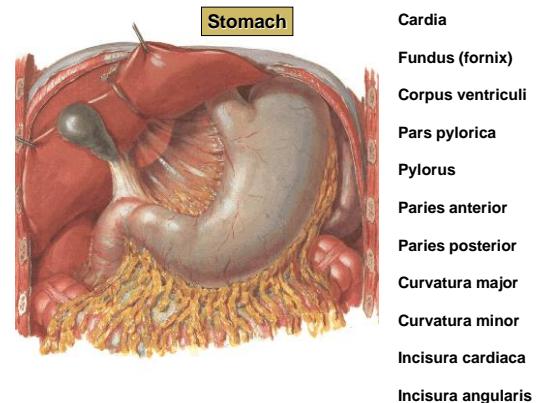
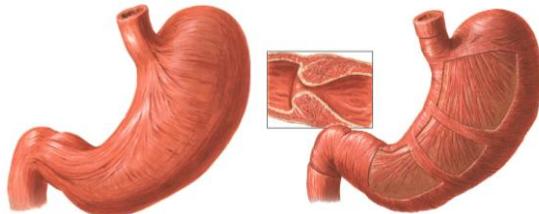


## DIGESTIVE SYSTEM II.



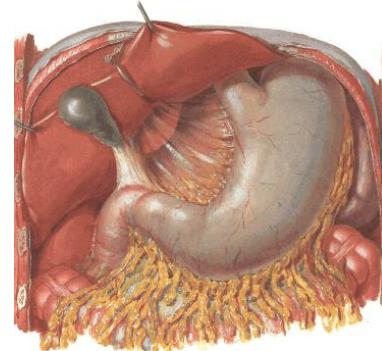
**TUNICA MUSCULARIS VENTRICULI**

**Stratum longitudinale**  
(taenia curvaturae majoris et minoris)



**Fibrae obliquae**

**Stratum circulare**  
(m. sphincter pylori)

**TUNICA EXTERNA VENTRICULI (visceral peritoneum)**

**Omentum minus**

**lig. hepatoduodenale**

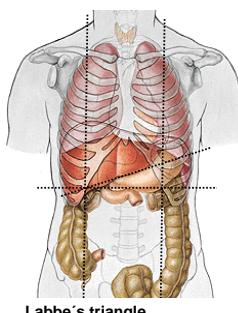
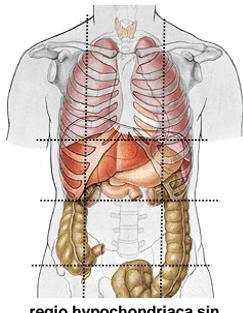
**lig. hepatogastricum**

**Omentum majus**

**lig. gastrocolicum**

**Lig. gastrolienale**

(**lig. splenicogastricum**)

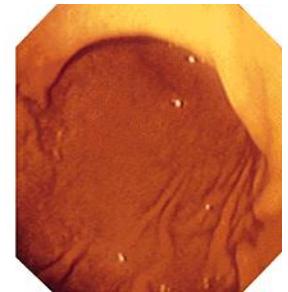
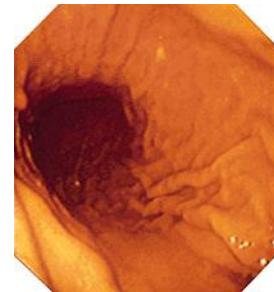


**cardia – left from Th<sub>11-12</sub>**

**pylorus – right from L<sub>1-2</sub>**

**Labbé's triangle**

**Traube's semilunar space**

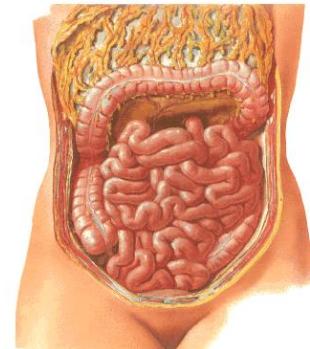
**Gastroscopy****INTESTINE (SMALL, LARGE)****SMALL INTESTINE**

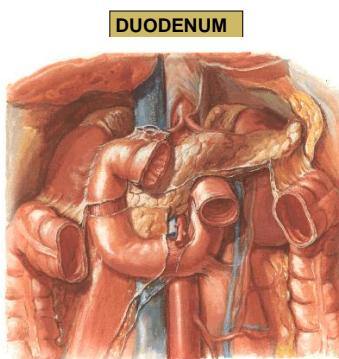
**3–5 m, intestinal loops**

**DUODENUM**

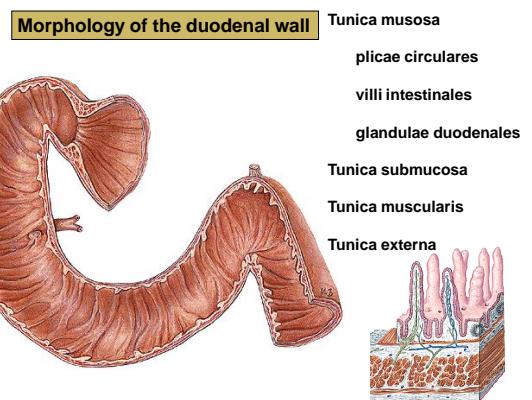
**JEJUNUM**

**ILEUM**





12 inches (25-30 cm)-Herofilos, makes the loop around L2



#### Plica longitudinalis duodeni

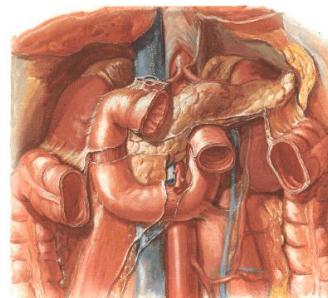
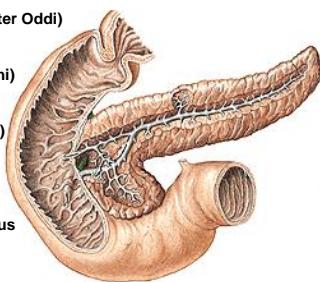
##### Papilla duodeni major (Vateri)

ampulla hepatopancreatica  
(m. sphincter papillae  
hepatopancreaticae, m. sphincter Oddi)

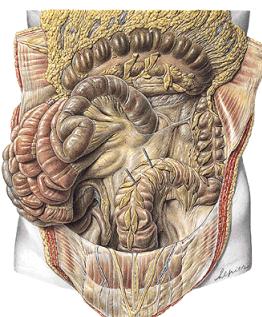
ductus choledochus  
(m. sphincter ductus choledochi)

ductus pancreaticus major  
(m. sphincter ductus pancreatici)

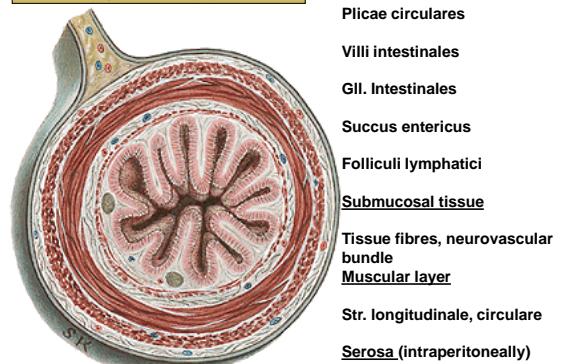
Papilla duodeni minor  
ductus pancreaticus accessorius



#### **JEJUNOILEUM**



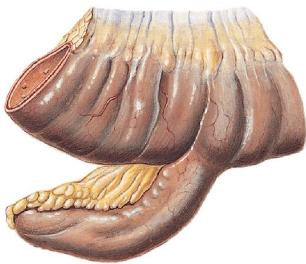
#### **Morphology of the jejunum**



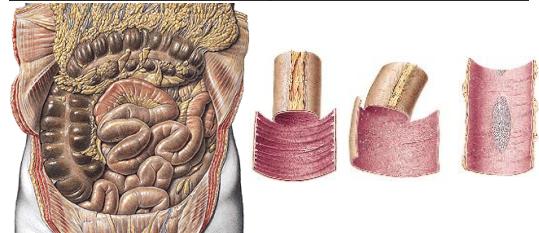
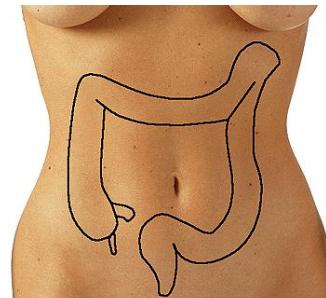
**Diverticulum ilei - Meckeli**

0,5 – 1m from the ostium ilioicaecale

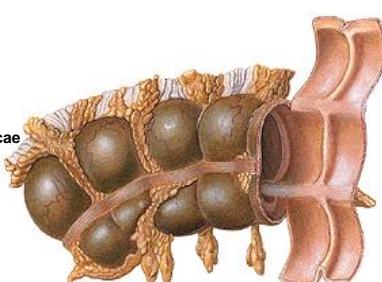
(ductus omphaloentericus = yolk stalk)

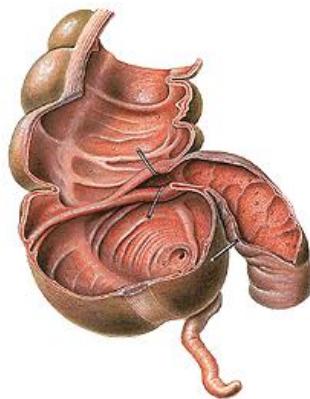


JEJUNUM	ILEUM
Upper left part of inframesocolic space	Lower right part of inframesocolic space
wider (3- 4 cm), 3/5 of length	narrower (2- 3 cm), 2/5 of length
Numerous circular folds	Lesser circular folds
1- 2 arterial arcades	2- 3 arterial arcades
folliculi lymphatici solitarii	folliculi lymphatici aggregati

**Large intestine**

- intestinum caecum
- 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****GII. Intestinales****Folliculi lymphatici****INTESTINUM CAECUM****Ostium ileocaecale****Appendix vermiformis****Mesoappendix****Recessus retrocaecalis**



### APPENDIX VERMIFORMIS - POSITION

Positio pelvina (lig. appendiculoovaricum)

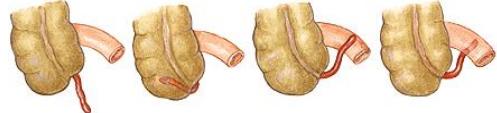
Positio retrocaecalis

Positio ileocaecalis

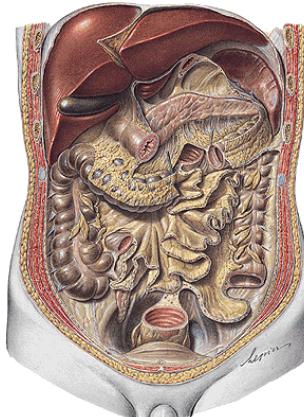
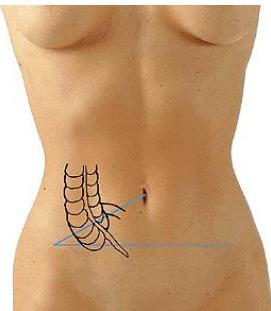
Positio praecaecalis

Positio laterocaecalis

Positio subcaecalis



Monroe's line (*linea spinoumbilicalis dextra*) – Mac Burney's point  
Línea bispinális – Lanz's point



### COLON ASCENDENS

Flexura coli dextra (hepatica)

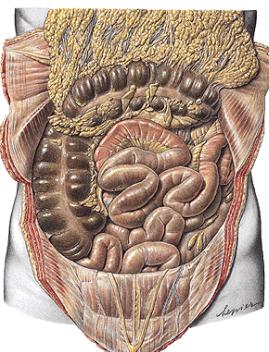
cartilage of 10<sup>th</sup> – 11<sup>th</sup> rib

impressio colica

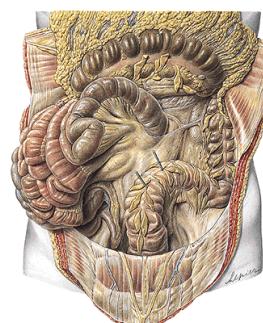
(lobus hepaticus dx.)

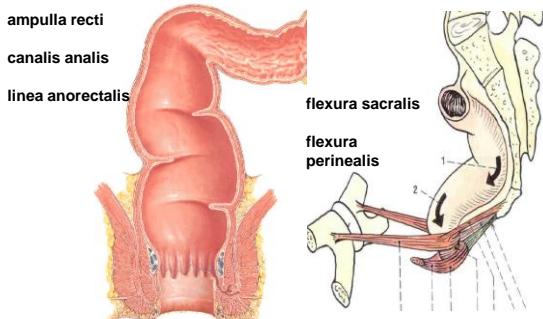
secondary retroperitoneally

### COLON TRANSVERSUM

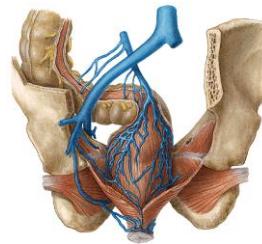
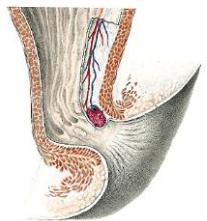
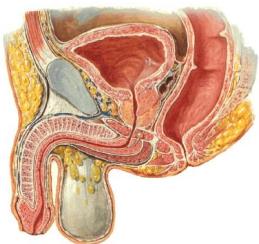
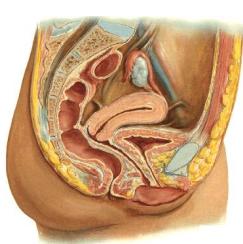
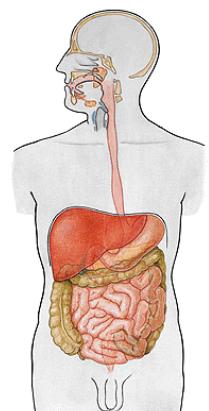
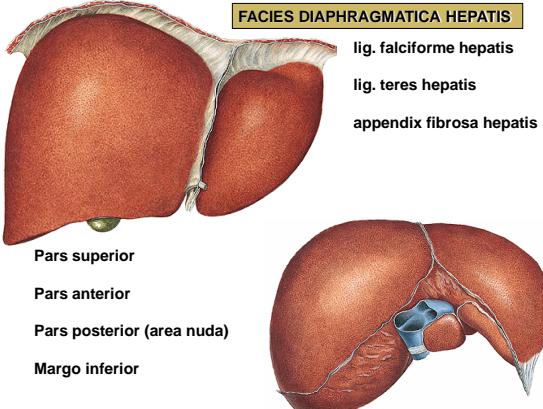


### COLON DESCENDENS, SIGMOIDEUM



**RECTUM****Plexus venosus rectalis**

(corpus cavernosum recti)

**Musculus sphincter ani internus****Musculus sphincter ani externus****Excavatio rectovesicalis****Excavatio rectouterina****Liver (HEPAR)****FACIES DIAPHRAGMATICA HEPATIS****FACIES VISCERALIS HEPATIS****Fissura sagittalis sin.**

lig. teres hepatitis

lig. venosum

**Fissura sagittalis dx.**

fossa vesicae biliaris

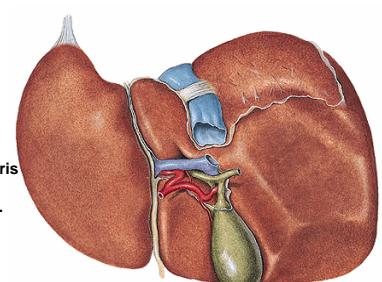
sulcus v. cavae inf.

**Porta hepatis**

vena portae

a. hepatica propria (plexus hepaticus)

ductus hepaticus communis



Rozdelení jater:

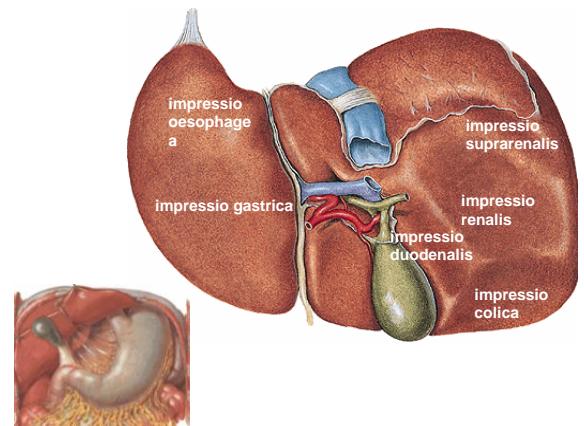
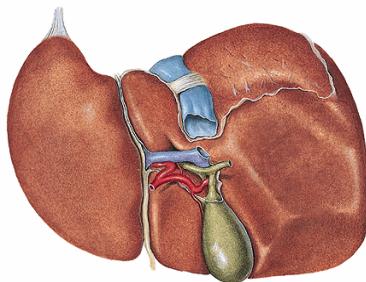
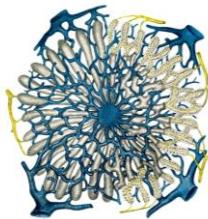
Lobus sinister

tuber omentale

Lobus dexter

Lobus caudatus

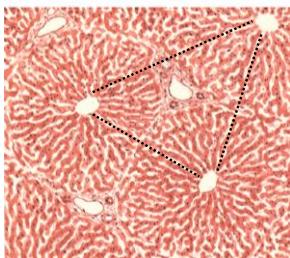
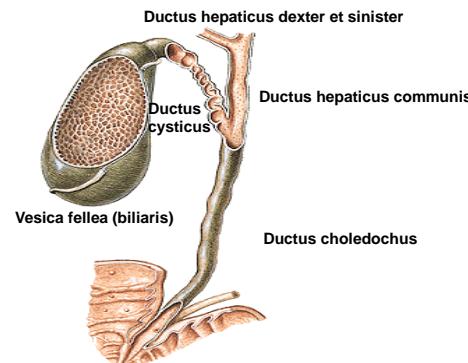
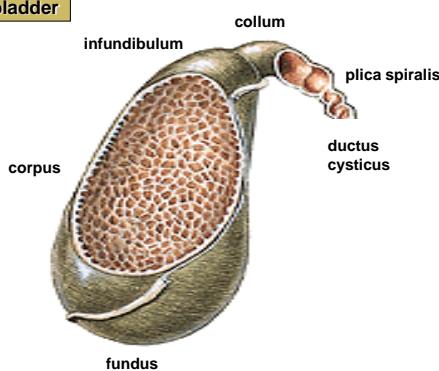
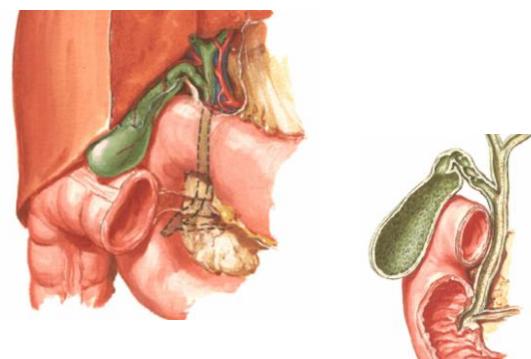
Lobus quadratus

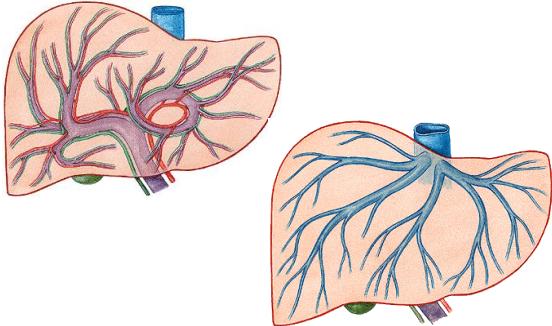
**Lobulus venae centralis  
(lobulus hepatis)****Lobulus venae interlobularis**

arteriae interlobulares (a. hepatica propria)

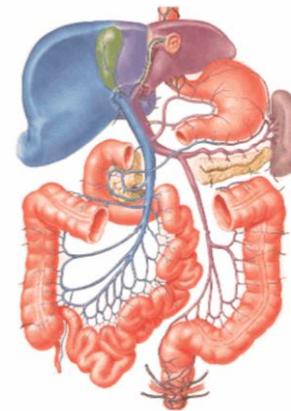
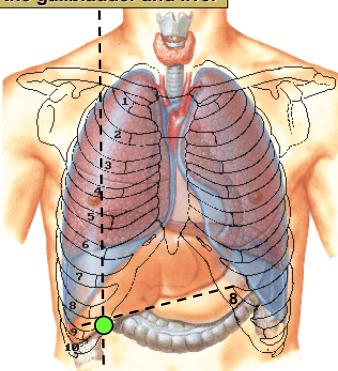
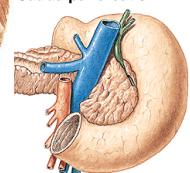
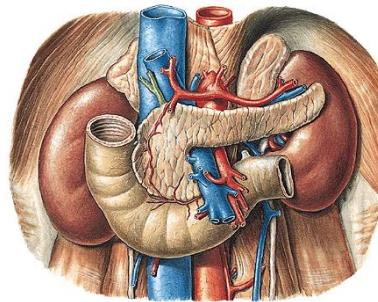
venae interlobulares (z vena portae)

ductus biliferi interlobulares

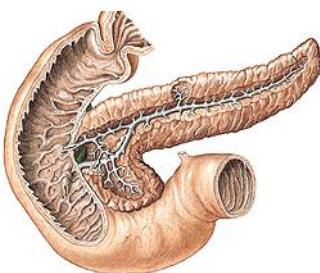
**EXTRAHEPATAL BILIARY PATHWAY****Gallbladder****DUCTUS CHOLEDODCHUS**

**FUNTIONAL AND NUTRITIVE BLOOD SUPPLY****VENA PORTAE**

Formed by:  
*v. lienalis*  
*v. mesenterica sup.*

**Projection of the gallbladder and liver****PANCREAS**

Caput pancreatis  
 incisura pancreatis  
 processus uncinatus  
 Corpus pancreatis  
 facies ant., post., inf.  
 margo ant., sup., inf.  
 Cauda pancreatis

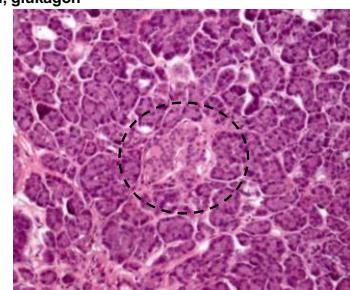
**PARS EXOCRINA PANCREATIS**

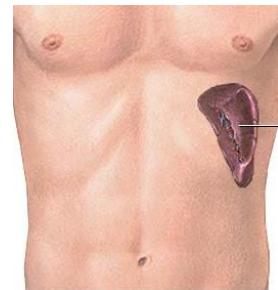
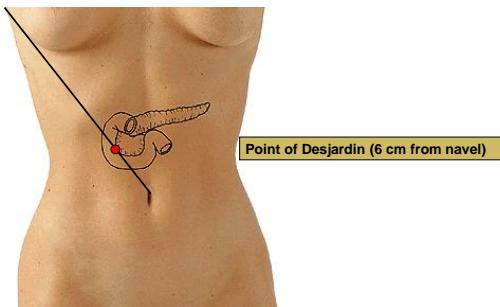
Serous tuboalveolar gland  
 Succus pancreaticus  
 Capsula pancreatis  
 Septa  
 Lobi et lobuli pancreatis  
 Intra- a interlobar ducts  
 Ductus pancreaticus acces.  
 Papilla duodeni minor  
 Ductus pancreaticus  
 Papilla duodeni major

**PARS ENDOCRINA PANCREATIS**

Insulae pancreaticae – Islets of Langerhans

Insulin, glucagon

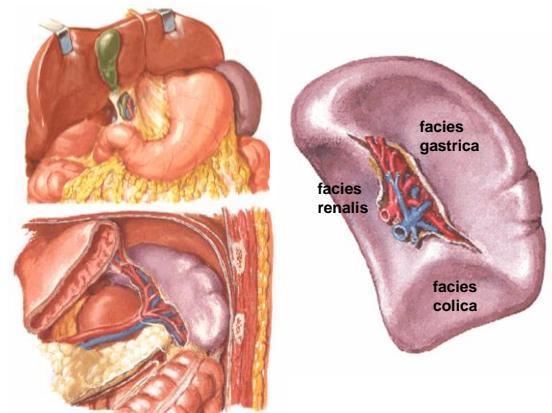
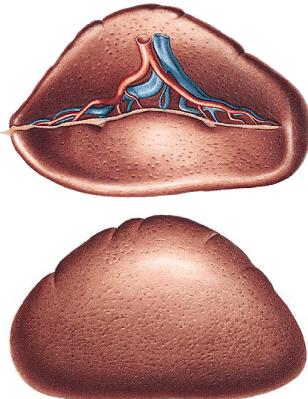
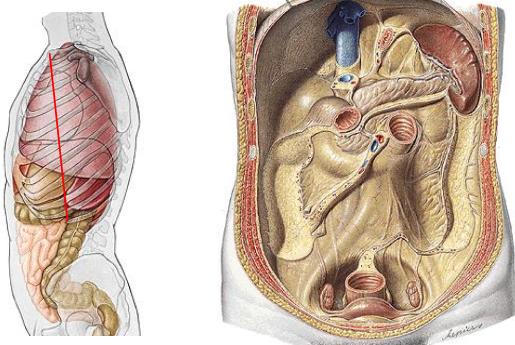


**Spleen**

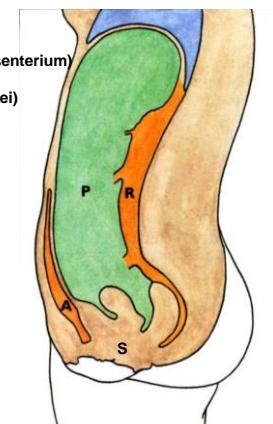
- Supramesocolic part of peritoneal cavity
- Storage of blood
- Erythrocyte degradation
- Production of lymphocytes
- Hematopoiesis (children)

**LIEN (SPLEN)**

- extremitas anterior
- extremitas posterior
- facies diaphragmatica
- facies visceralis
- hilum lienis
- margo superior (acutus)
- crenæ lienis
- margo inferior (obtusus)

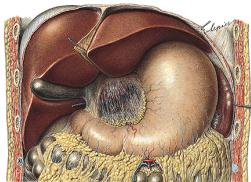
**Linea costoarticularis****PERITONEUM**

- Peritoneum parietale et viscerale (mesenterium)
- P – cavitas peritonealis (liquor peritonei)
- A – spatium praoperitoneale
- R – spatium retroperitoneale
- S – spatium subperitoneale (infra-)



**INTRAPERITONEAL ORGANS**

Fixed on the folds

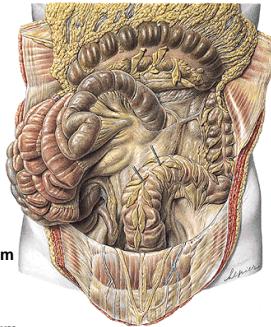


liver, spleen, stomach

pars superior duodeni, jejunum, ileum

appendix

colon transversum, colon sigmoideum

**RETROPERITONEAL ORGANS**

Primary retroperitoneal (kidney, suprarenal glands, genital glands)

Sekundär retroperitoneal:

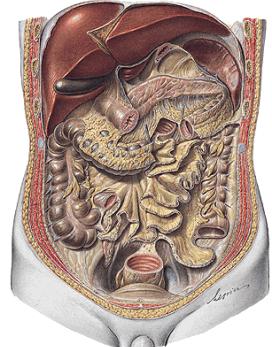
Duodenum (except pars sup.)

Pancreas

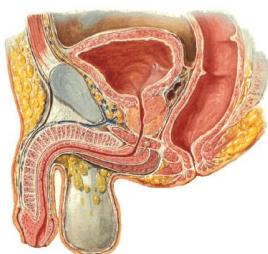
Caecum

Colon ascendens

Colon descendens

**SUBPERITONEAL ORGANS**

Rectum



Excavatio rectovesicalis



Excavatio rectouterina

**PERITONEAL FOLDS OF STOMACH**Omentum minus

lig. hepatoduodenale

lig. hepatogastricum

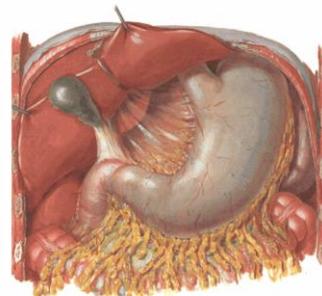
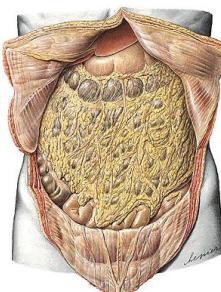
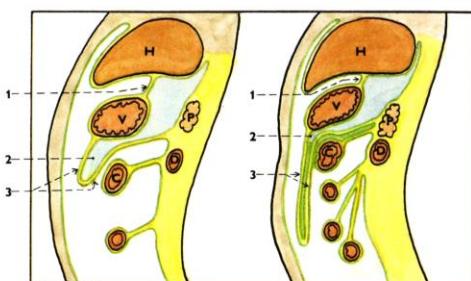
lig. hepatooesophageum

Omentum majus

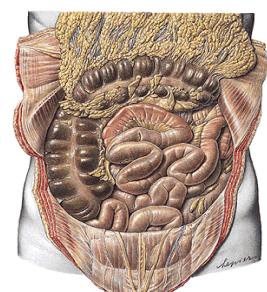
lig. gastrocolicum

Lig. gastrolienale

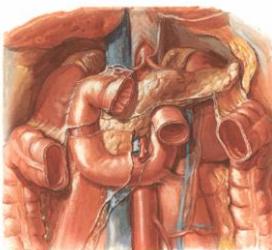
(lig. gastrosplenicum)

**Omentum majus**

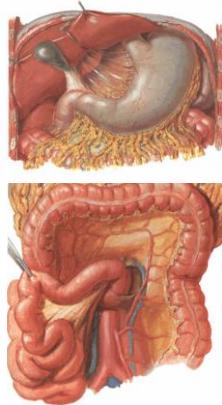
Omentum majus



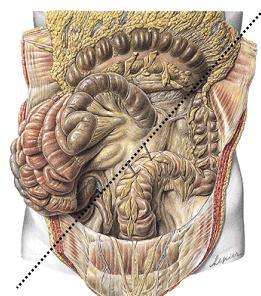
Lig. gastrocolicum

**MESOCOLON TRANSVERSUM**

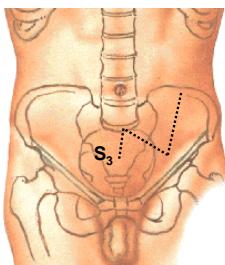
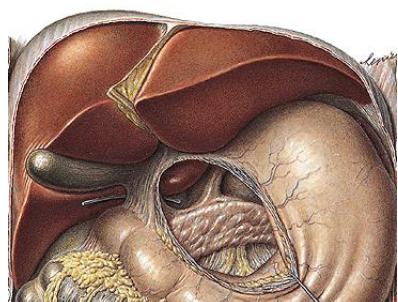
pars supramesocolica et inframesocolica

**MESENTERIUM**

radix mesenterii



Pars inframesocolica dextra et sinistra

**MESOSIGMOIDEUM****BURSA OMENTALIS****Foramen epiploicum (omentale)**

lig. hepatoduodenale

plica hepatorenalis

lobus quadratus jater

bulbus duodeni