

GI ANATOMY LAB: STRUCTURE LIST

Osteology

Pelvis

- Pubic symphysis
- Pubic crest
- Pubic tubercle
- Pelvic brim
 - Pectineal line
 - Arcuate line
- Anterior superior iliac spine
- Iliac crest

Thorax

- Costal margin (arch)
- Sternal angle (of Louis)

Lab 1: Anterolateral Abdominal Wall

Inguinal canal related structures

- Inguinal ligament
- Lacunar ligament (ligamentous pelvis model)
- Subinguinal space
- Superficial inguinal ring
- Deep inguinal ring
- Inguinal (Hesselbach's) triangle
 - Superior: inferior epigastric vessels
 - Medial: lateral border rectus abdominis
 - Inferior: inguinal ligament
- Direct versus indirect hernia

Rectus Sheath

- Anterior layer rectus sheath
- Posterior layer rectus sheath
- Arcuate line
- Inferior to the arcuate line
 - Anterior to rectus abdominis = external oblique, internal oblique, and the transversus abdominis aponeuroses
 - Posterior to rectus abdominis: Only transversalis fascia is located between the parietal peritoneum and the posterior surface of the rectus abdominis muscle.
- Superior to the arcuate line
 - Anterior to the rectus abdominis = external oblique aponeurosis + anterior lamina of the internal oblique aponeurosis.
 - Posterior to rectus abdominis = posterior lamina of the internal oblique aponeurosis + transversus abdominis aponeurosis.

Abdominal Muscles

- External abdominal oblique muscle
- Internal abdominal oblique muscle
- Transversus abdominis muscle
- Rectus abdominis muscle and aponeurosis

Vessels

- Superior epigastric artery & vein
- Inferior epigastric artery & vein

Pro-section Cadaver & Models

Muscles Pro-section

- Psoas major muscle
- Iliacus muscle
- Quadratus lumborum muscle
- Diaphragm

Nerves Pro-section

- Subcostal nerve
- Iliohypogastric nerve
- Ilioinguinal nerve
- Femoral nerve
- Obturator nerve
- Lateral femoral cutaneous nerve

Ligamentous Pelvis Model

- Inguinal ligament
- Lacunar ligament
- Pectineal (Cooper's) ligament
- Subinguinal space

Male Reproductive System Model

- Superficial inguinal ring
- Deep inguinal ring
- Inguinal canal
- Inferior epigastric artery and vein
- Inguinal (Hesselbach's) triangle

Labs 2-4 Combined

Organs/Spaces/Regions/Structures

- Lateral umbilical fold (inferior epigastric a. and v.)
- Medial umbilical fold
- Median umbilical fold
- Greater omentum
- Lesser omentum
 - Hepatogastric ligament
 - Hepatoduodenal ligament
- Omental (epiploic) foramen (of Winslow)
- Lesser sac
- Greater sac

- Liver
 - Falciform ligament
 - Coronary ligaments (right and left)
 - Ligamentum teres (round ligament liver)
 - Lobes: right, left, caudate, and quadrate
- Portal triad
 - Portal vein
 - Bile duct
 - Proper hepatic artery
- Biliary Tract
 - Common bile duct
 - Cystic duct
 - Common hepatic duct
 - Right and left hepatic duct
 - Gallbladder
 - Fundus
 - Neck
 - Body
- (Cystohepatic) triangle of Calot
 - Boundaries
 - Medial: common hepatic duct
 - Inferior: cystic duct.
 - Superior: inferior surface liver
 - Contents
 - Right hepatic artery
 - Cystic artery
- Spleen
- Pancreas
 - Head
 - Body
 - Neck
 - Tail
 - Uncinate process
- Large Intestine
 - Cecum
 - Appendix
 - Ascending colon
 - Right colic (hepatic) flexure
 - Transverse colon
 - Left colic (splenic) flexure
 - Descending colon
 - Left paracolic gutter
 - Right paracolic gutter
 - Left infracolic space
 - Right infracolic space
 - Sigmoid colon
 - Teniae coli
 - Omental (epiploic) appendages
- Stomach
 - Cardia
 - Fundus
 - Body
 - Pylorus
 - Lesser curvature
 - Pyloric sphincter
 - Pyloric orifice
 - Greater curvature

- Small intestine
 - Duodenum
 - Superior (1st)
 - Descending (2nd)
 - Horizontal (3rd)
 - Ascending (4th)
 - Jejunum
 - Ileum
 - Differentiate jejunum from ileum
 - Mesentery
- Additional Spaces
 - Right and left subphrenic recesses
 - Hepatorenal recess (Morrison's pouch)
 - Vesicouterine pouch
 - Rectouterine pouch (of Douglas)
 - Rectovesical pouch

Vessels

- Celiac trunk
 - Splenic artery
 - Left gastro-omental (-epiploic)
 - Common hepatic artery
 - Right gastric
 - Cystic artery
 - Left gastric artery
 - Esophageal branch
 - Proper hepatic artery
 - Gastroduodenal artery
 - Right gastro-omental (-epiploic)
- Superior mesenteric artery
 - Intestinal branches
 - Ileocolic artery
 - Right colic
 - Middle colic
 - Marginal artery
- Inferior mesenteric artery
 - Left colic
 - Sigmoid arteries
 - Superior rectal artery

Portal Circulation

- Portal vein
- Splenic vein
- Inferior mesenteric vein
- Superior mesenteric vein

Pro-section (Esophagus)

- Superior mediastinum
- Posterior mediastinum
- Esophagus
- Thoracic aorta
- Esophageal plexus
- Right vagus nerve
- Left vagus nerve
- Anterior vagal trunk
- Posterior vagal trunk

Female Pelvis Models (Somso)

- Perineum
 - Urogenital Triangle
 - Ishioanal fossa
 - Anal triangle

- Internal pudendal artery
 - Inferior rectal artery

- Pudendal nerve
 - Inferior rectal nerve

- Rectosigmoid junction

- Rectum
 - Transverse rectal folds

- Rectoanal Junction
- Anal Canal
- Piriformis
- Levator ani muscle (puborectalis)
- Obturator internus
- External anal sphincter
- Internal anal sphincter