

The gut tube  
Esophagus/Stomach/Small intestine/ Large intestine

**Lab check list**

- ❖ **By the end of this lab students are expected to be able to identify the structures listed and to answer the related questions**
  
- ❖ **Esophagus (abdominal part):**
  - ✓ Esophageal hiatus/ Right crus of the diaphragm
  - ✓ Anterior and posterior vagal trunks
  - ✓ Left gastric vessels
  
- ❖ **Stomach**
  - ✓ Cardiac and pyloric orifices
  - ✓ Greater and lesser curvatures
  - ✓ Anterior and a posterior surface
  - ✓ Fundus/ Body/ Pyloric antrum/ Pylorus (pyloric sphincter, pyloric canal)
  - ✓ Gastrosplenic omentum (ligament)/ greater omentum
  - ✓ Gastric arteries(R&L)/ Gastroepiploic arteries (R&L)/ short gastric arteries
  
- ❖ **Duodenum**
  - ✓ 4 parts (1<sup>st</sup> - smooth/ others - plicae circulares)
  - ✓ Major and minor duodenal papilla
  - ✓ Duodenojejunal flexure
  - ✓ Suspensory muscle (ligament) of duodenum (ligament of Treitz)
  - ✓ Duodenal cap
  
- ❖ **Jejunum and Ileum**
  - ✓ Plicae circulares
  - ✓ Mesentery of small intestine/ Arterial arcades/ vasa recta
  - ✓ Mesenteric border/ Anti-mesenteric border/ root of the mesentery
  - ✓ Ileocecal junction
  
- ❖ **Large intestine**
  - ✓ Cecum/ appendix/ ileocecal valve
  - ✓ Ascending, transverse, descending, sigmoid colon
  - ✓ Hepatic flexure/ Splenic flexure
  - ✓ Tenea coli/ Appendices epiploicae/ Saculations
  - ✓ Transverse mesocolon/ Phrenico-colic ligament/ sigmoid mesocolon
  
- ❖ **Appendix**
  - ✓ Tip/ body/ base
  - ✓ Mesoappendix
  - ✓ Appendicular artery

**Questions related to lab checklist**

- ⊕ The esophagus connects between two hollow viscera. Name them
- ⊕ What is the vertebral level of the esophageal hiatus?
- ⊕ Which part of the diaphragm forms the esophageal hiatus?
- ⊕ Locate the three sites at which the esophageal lumen is narrow.
- ⊕ Which of the stomach orifices is a physiological sphincter?
- ⊕ Which part of duodenum is intraperitoneal?
- ⊕ If ulcerated, which part of the duodenum is involved?
- ⊕ Which part of the duodenum receives the opening of the bile duct?
- ⊕ Which artery passes behind the 1<sup>st</sup> part of duodenum?
- ⊕ Mesentery of small intestine is attached posteriorly to \_\_\_\_\_
- ⊕ List the two common locations of the tip of the appendix
- ⊕ The phrenico-colic ligament separates the supra-colic compartment from \_\_\_\_\_