**Digestive system anatomy – Exercise #26**

**Alimentary canal and accessory organs:**

Identify all structures/organs on **Figure 26.1 and 26.2**. You should also be able to identify all of these on the human torso models, EXCEPT the labial frenulum, anal canal, and anus. Also, you will not be able to differentiate between the three segments of the small intestine (duodenum, jejunum, ilium). Be sure you understand its location in relation to the other digestive organs (stomach and large intestine) and also be sure to know the order of the segments.

On **Figure 26.6** you should know the following structures listed. This figure describes the general histological organization of the alimentary canal.

* Mucosa
  + Epithelium
  + Lamina propria
  + Muscularis mucosae
* Submucosa
* Muscularis externa
  + Inner circular muscle
  + Outer longitudinal muscle
* Enteric nervous system (SEE YOUR TEXTBOOK)
  + Myenteric nerve plexus (in between the layers of muscle in the muscularis externa)
  + Submucosal nerve plexus (superficial to the muscularis mucosae)

On **Figure 26.7,** as well as on the torso models, you should be able to identify the following structures of the stomach:

* Greater curvature
* Lesser curvature
* Body
* Fundus (fundic region)
* Cardiac region
* Pyloric sphincter
* Rugae

On **Figure 26.12**, as well as on the torso models, you should be able to identify the following parts of the large intestine (a.k.a., colon) :

* Ascending colon
* Appendix
* Transverse colon
* Descending colon
* Cecum
* Iliocecal valve
* Teniae coli
* Sigmoid colon
* Rectum
* Anus (not on model)

On **Figure 26.14** as well as on the torso models, you should be able to identify:

* Parotid gland
* Parotid duct
* Submandibular gland
* Sublingual gland

On **Figure 26.16** you should be able to identify all of the structures listed understanding how the lesser omentum extends from the lesser curvature of the stomach to the liver and how the greater omentum hangs off of the transverse colon similar to a fatty apron.

On **Figure 26.17** and on the liver from the torso models you should be able to identify:

* Right, left, caudate, quadrate lobes of the liver
* Gall bladder

On **Figure 26.19** you should be able to identify the following structures related to the pancreas, gall bladder, and small intestine:

* Gall bladder
* Hepatic ducts (draining bile from liver)
* Common hepatic duct
* Cystic duct (draining stored bile from gall bladder)
* Bile duct (feeding bile into the small intestine)
* Major and minor duodenal papilla
* Pancreas (head, body, tail)
* Pancreatic duct
* Accessory pancreatic duct