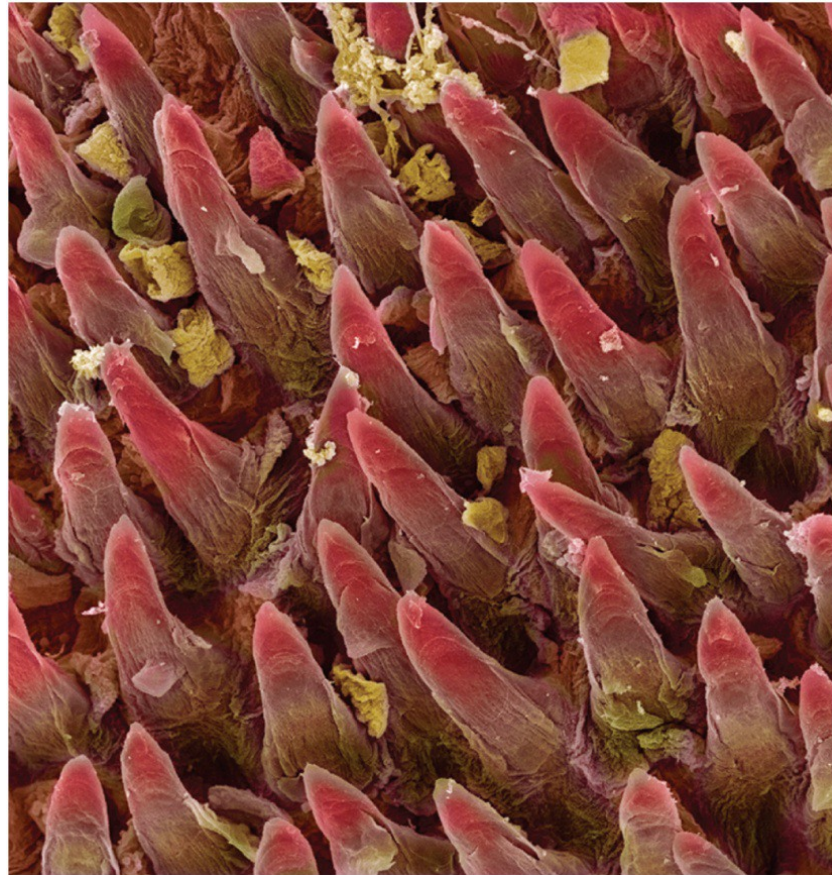
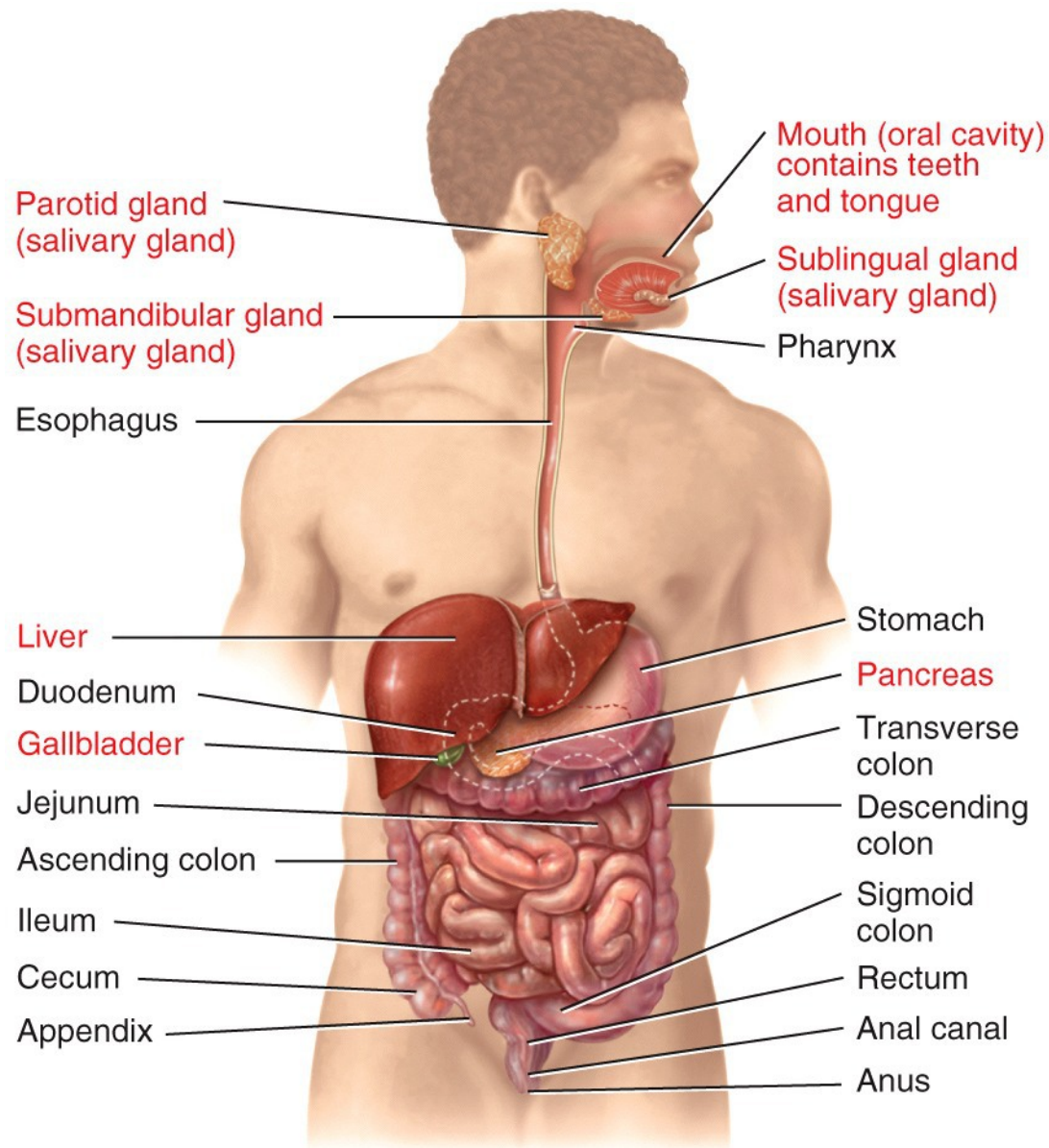


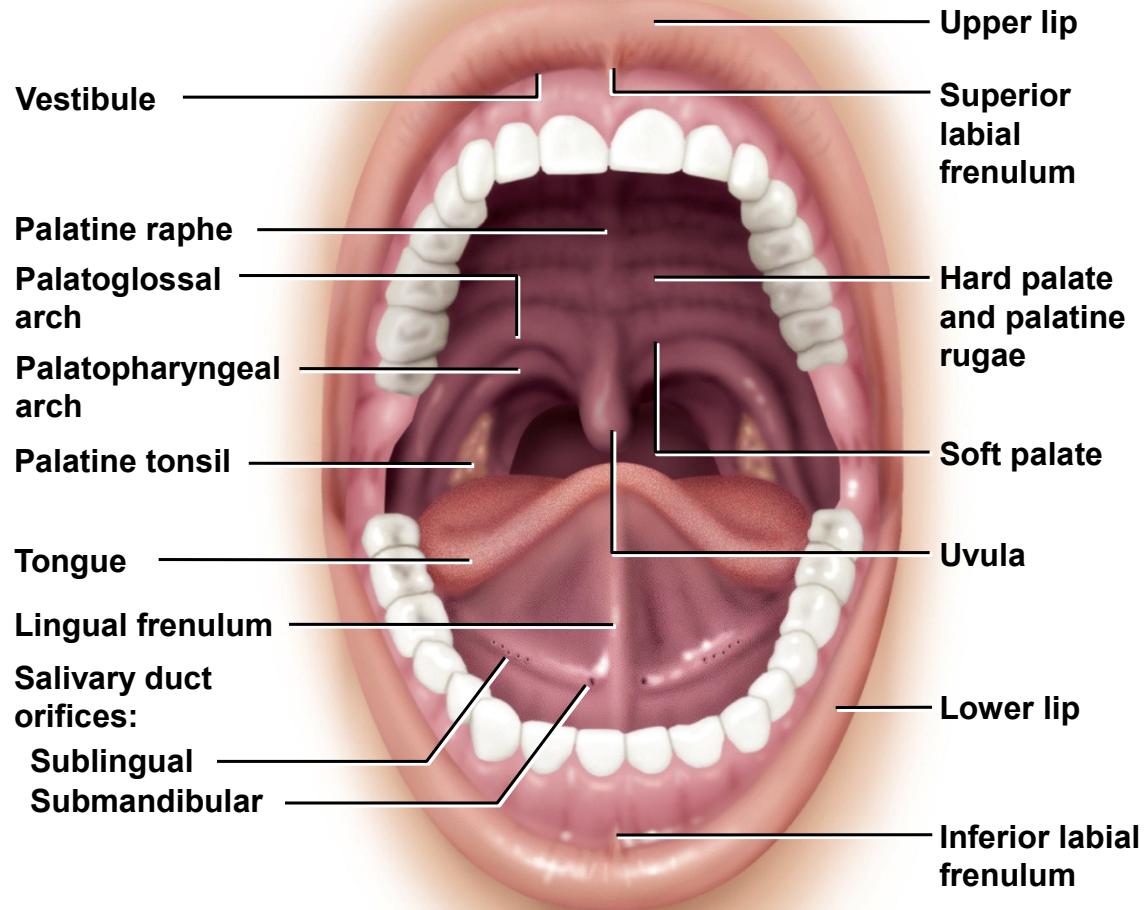
Anatomy of the Digestive System (C25)



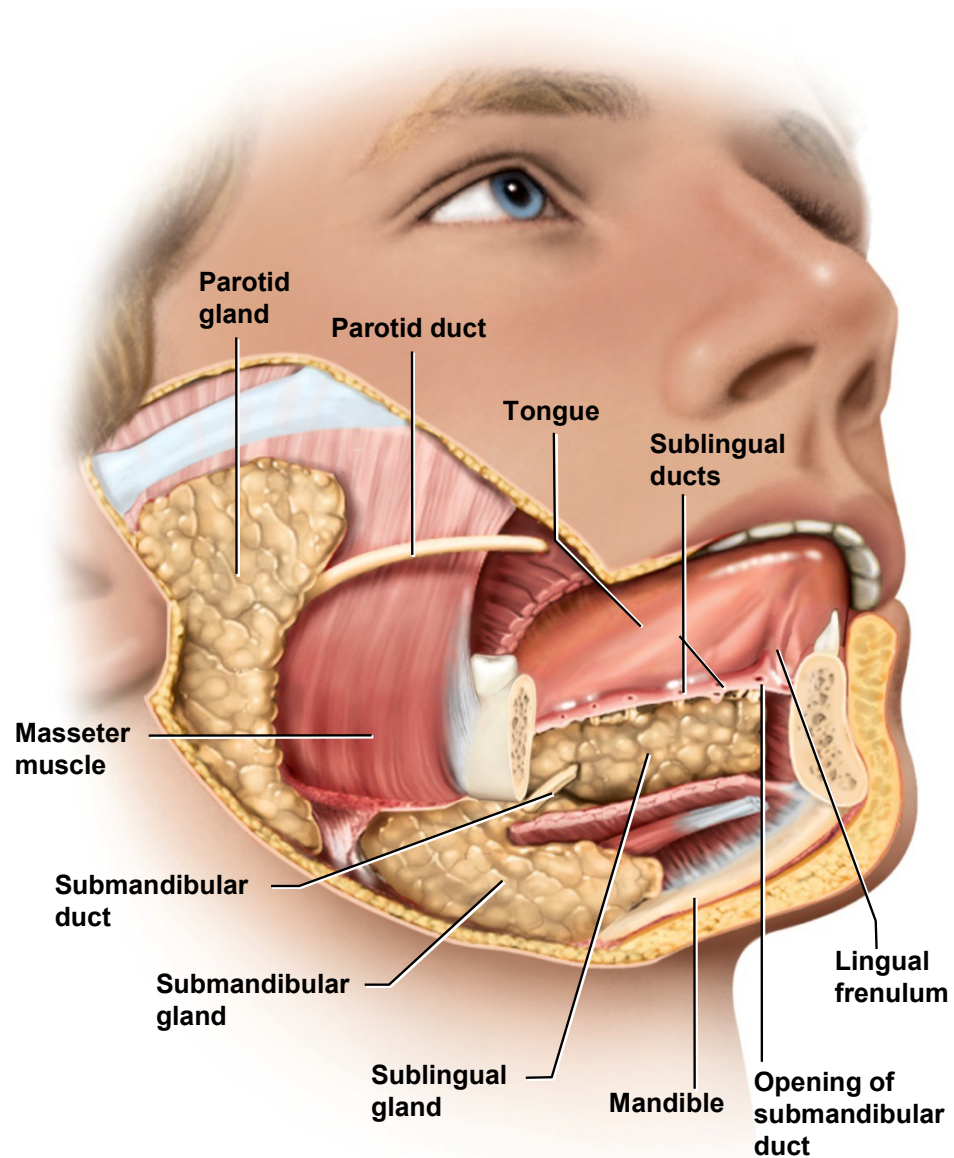


(a) Right lateral view of head and neck and anterior view of trunk

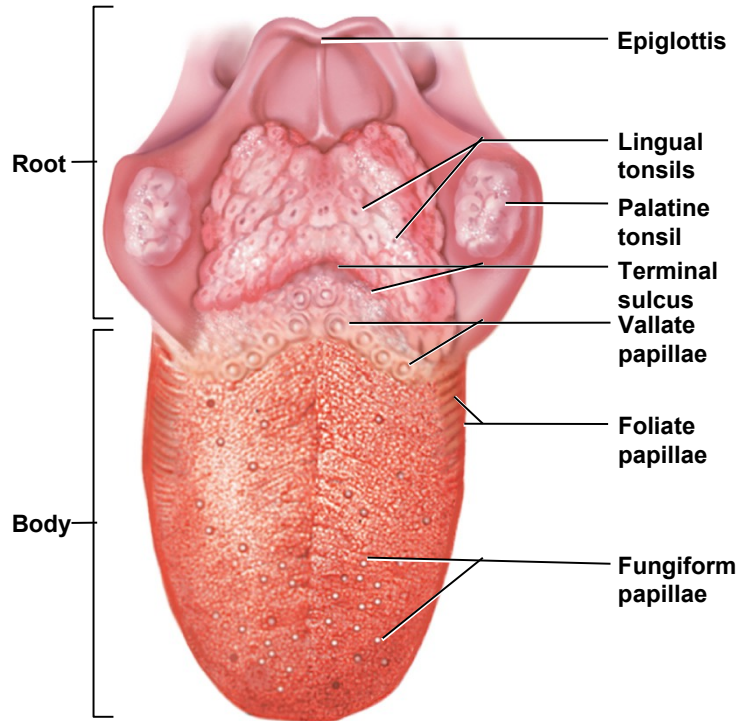
Mouth or Oral Cavity



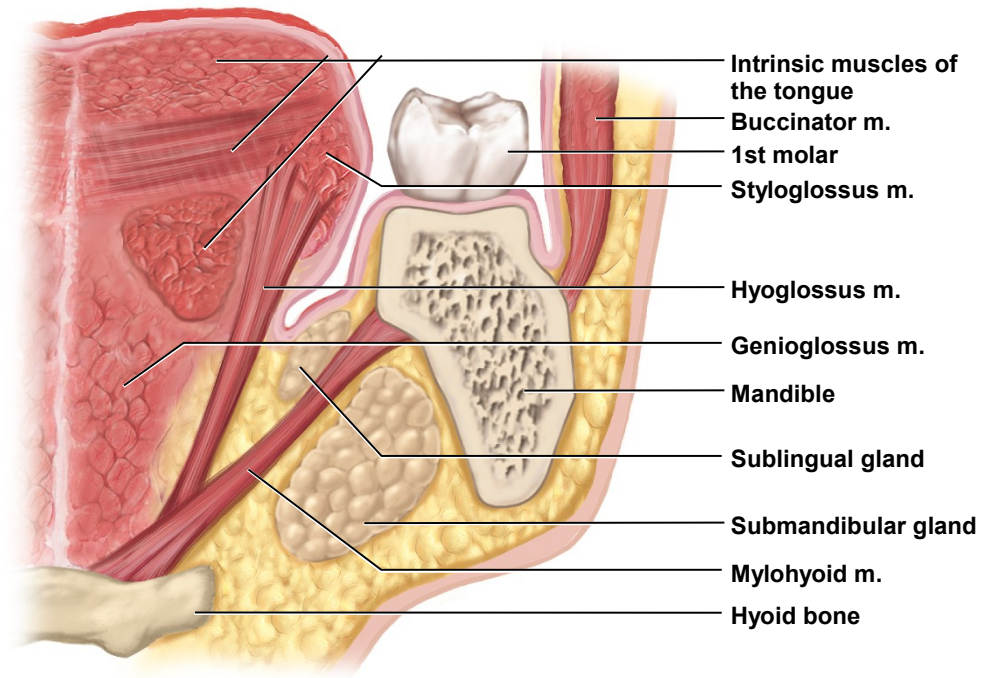
Salivary Glands



Tongue

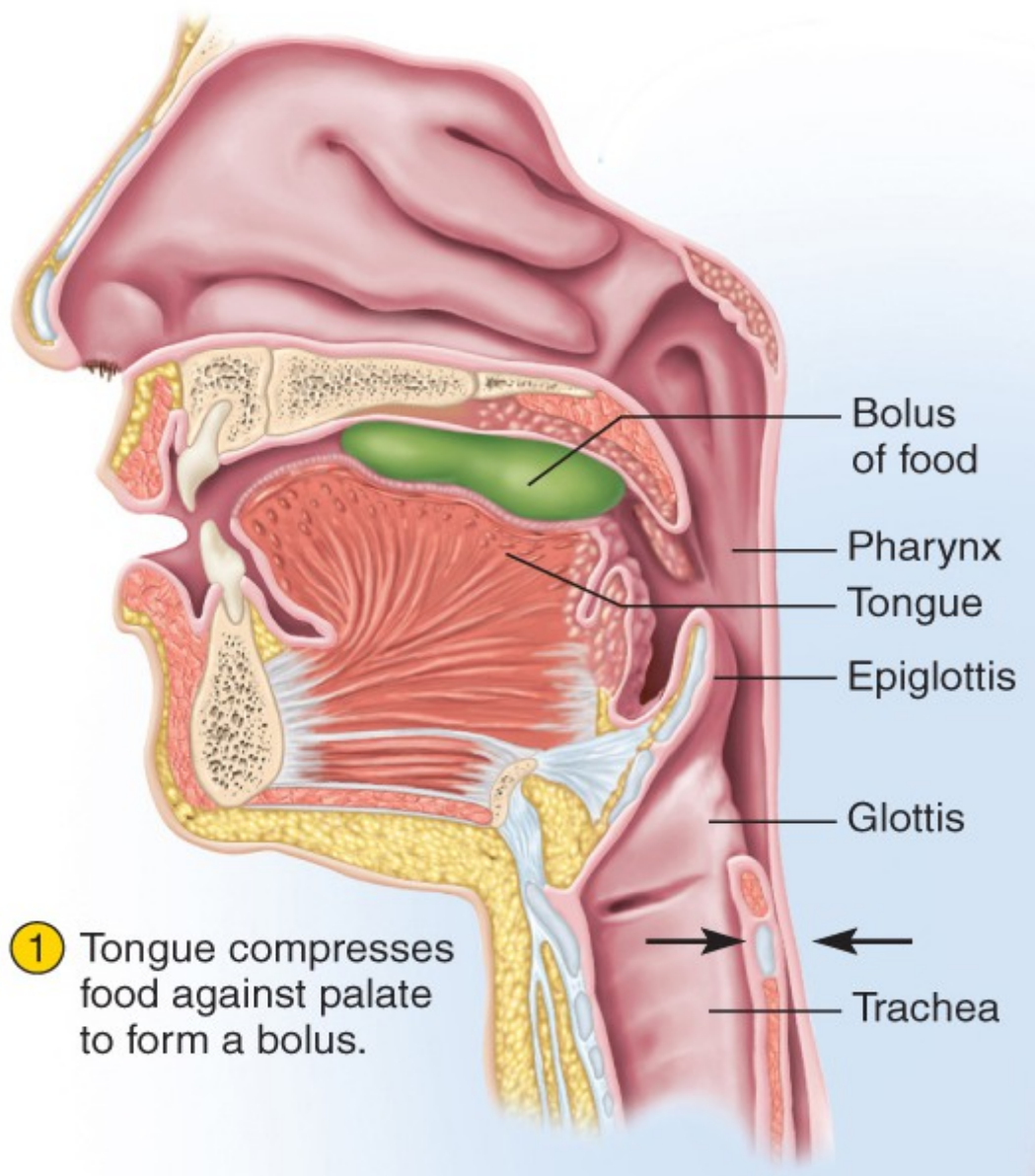


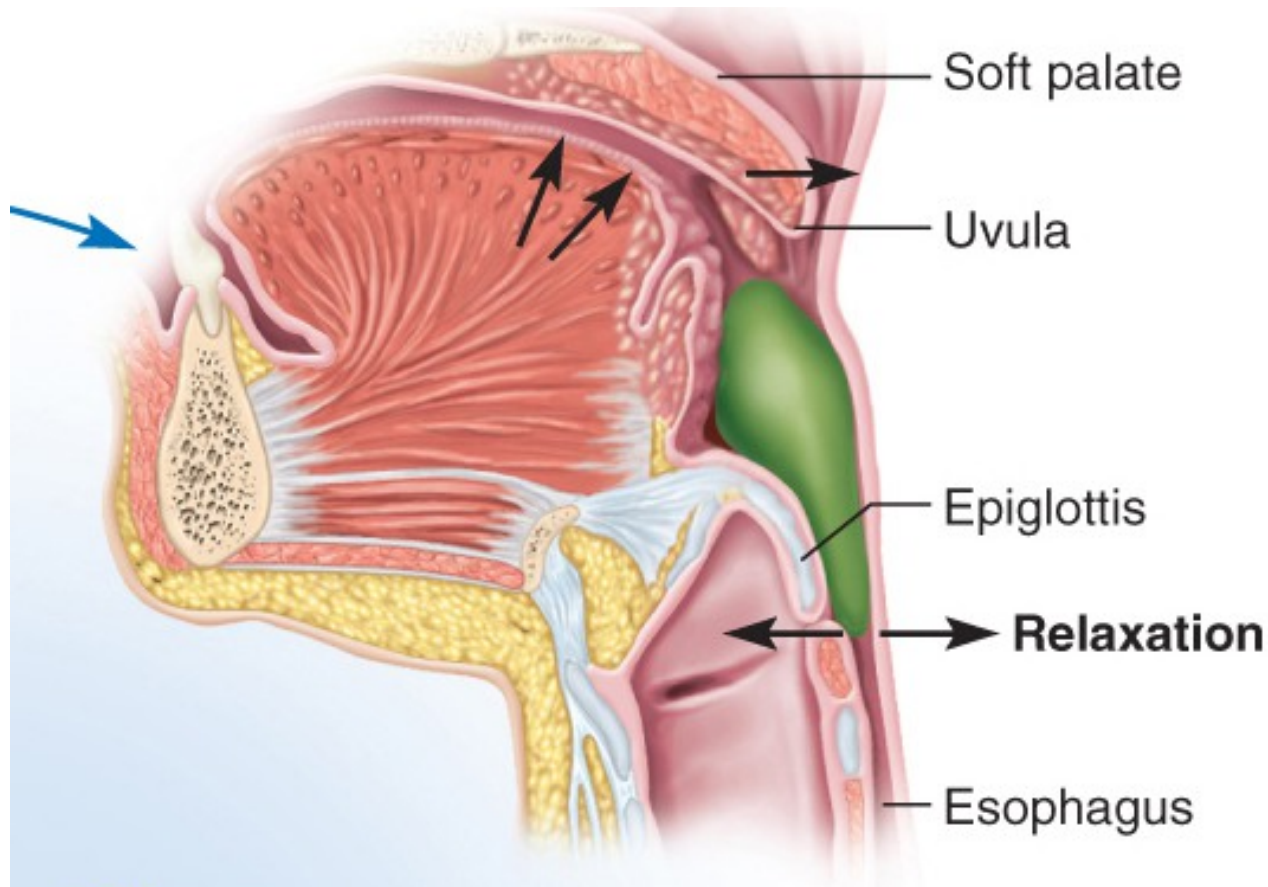
(a) Superior view



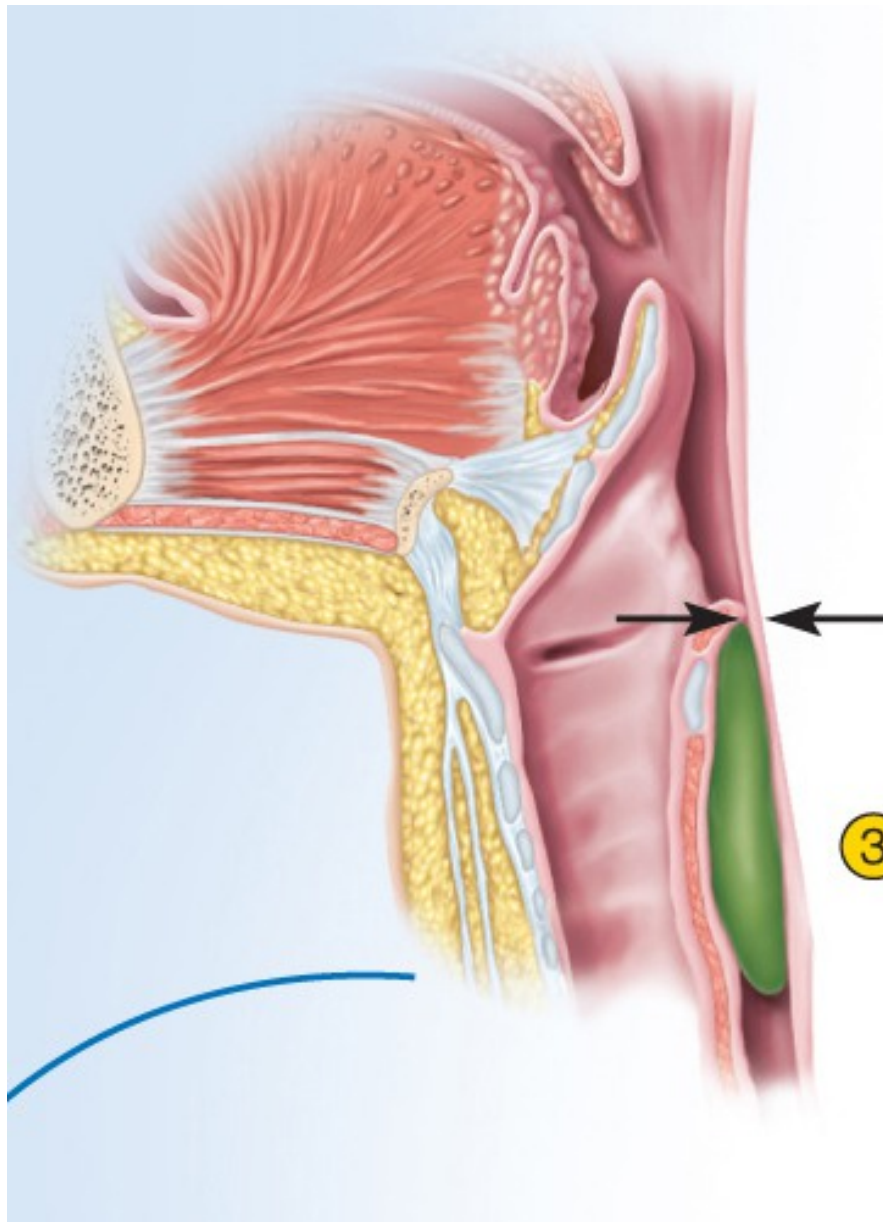
(b) Frontal section, anterior view

Swallowing occurs in “two phases”

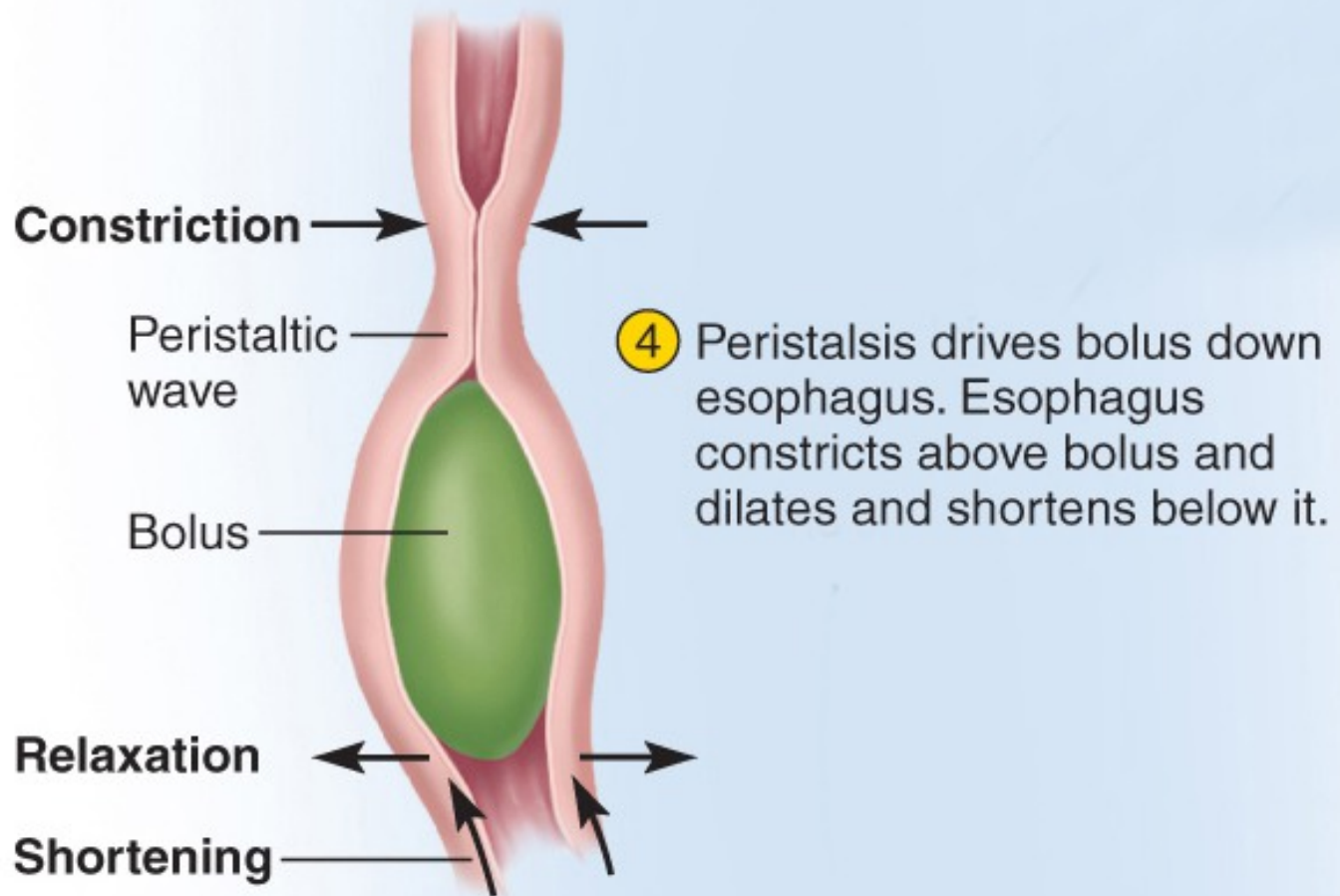


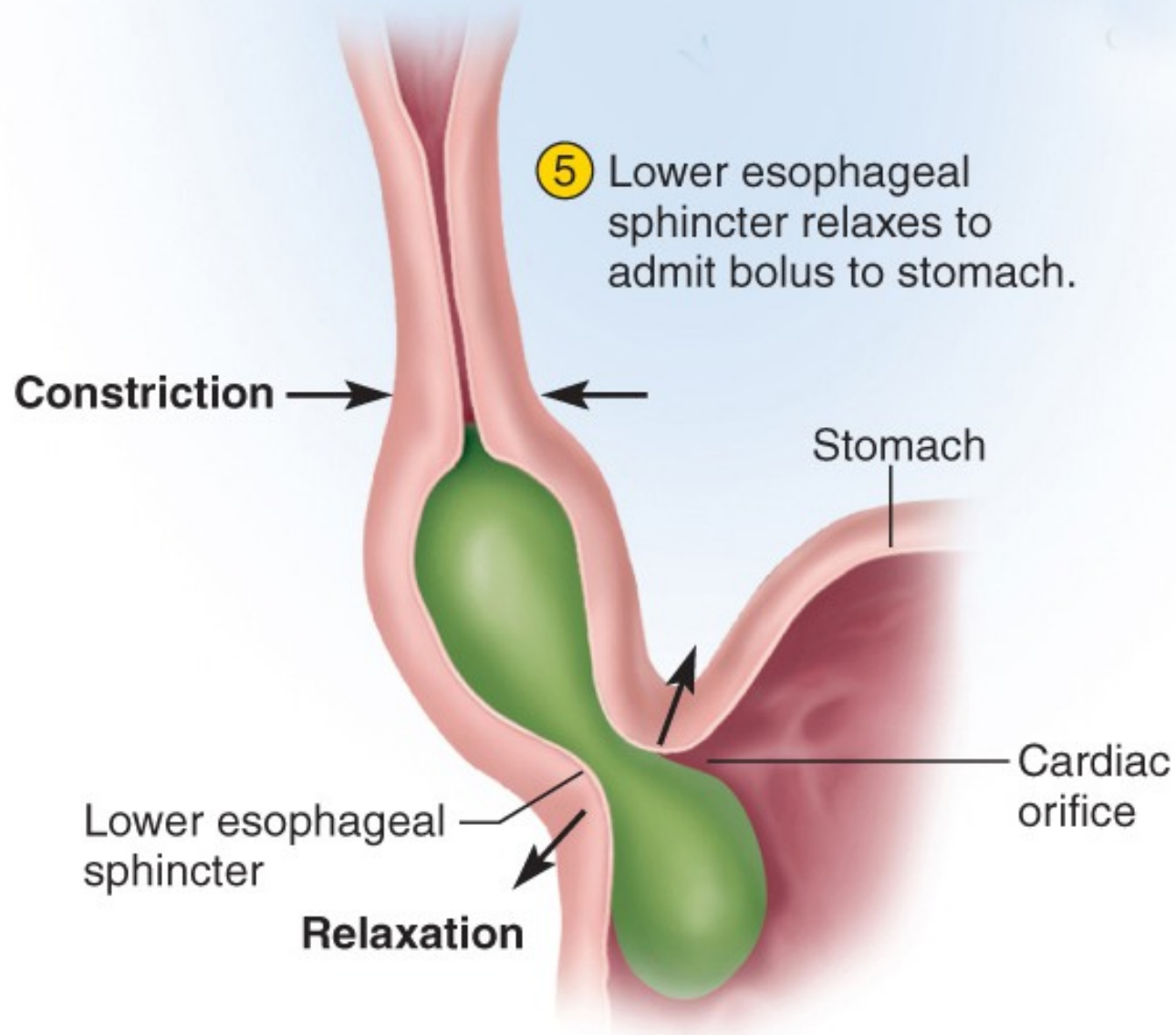


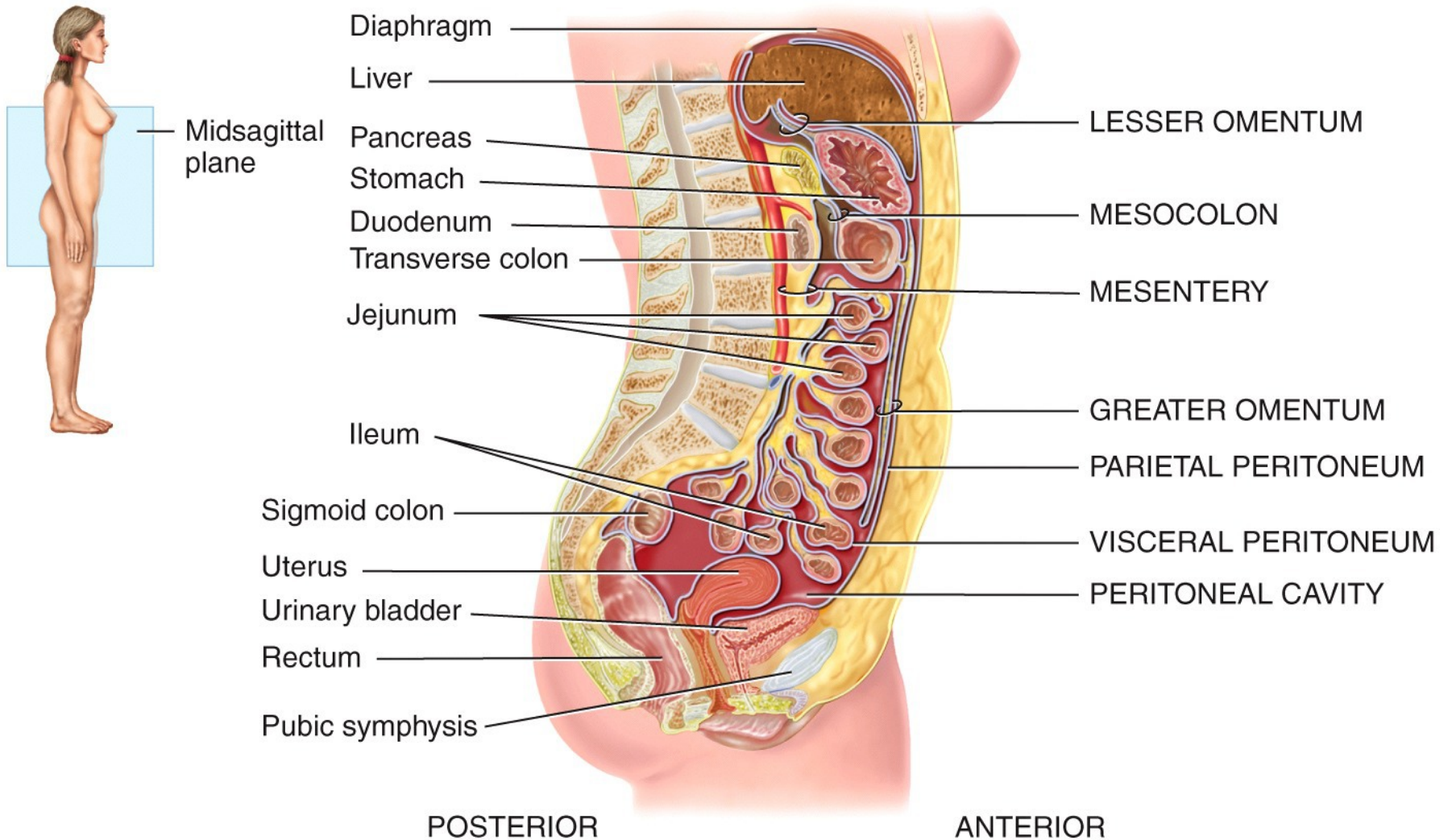
- ② Bolus passes into pharynx. Misdirection of bolus is prevented by tongue blocking oral cavity, soft palate blocking nasal cavity, and epiglottis blocking larynx.



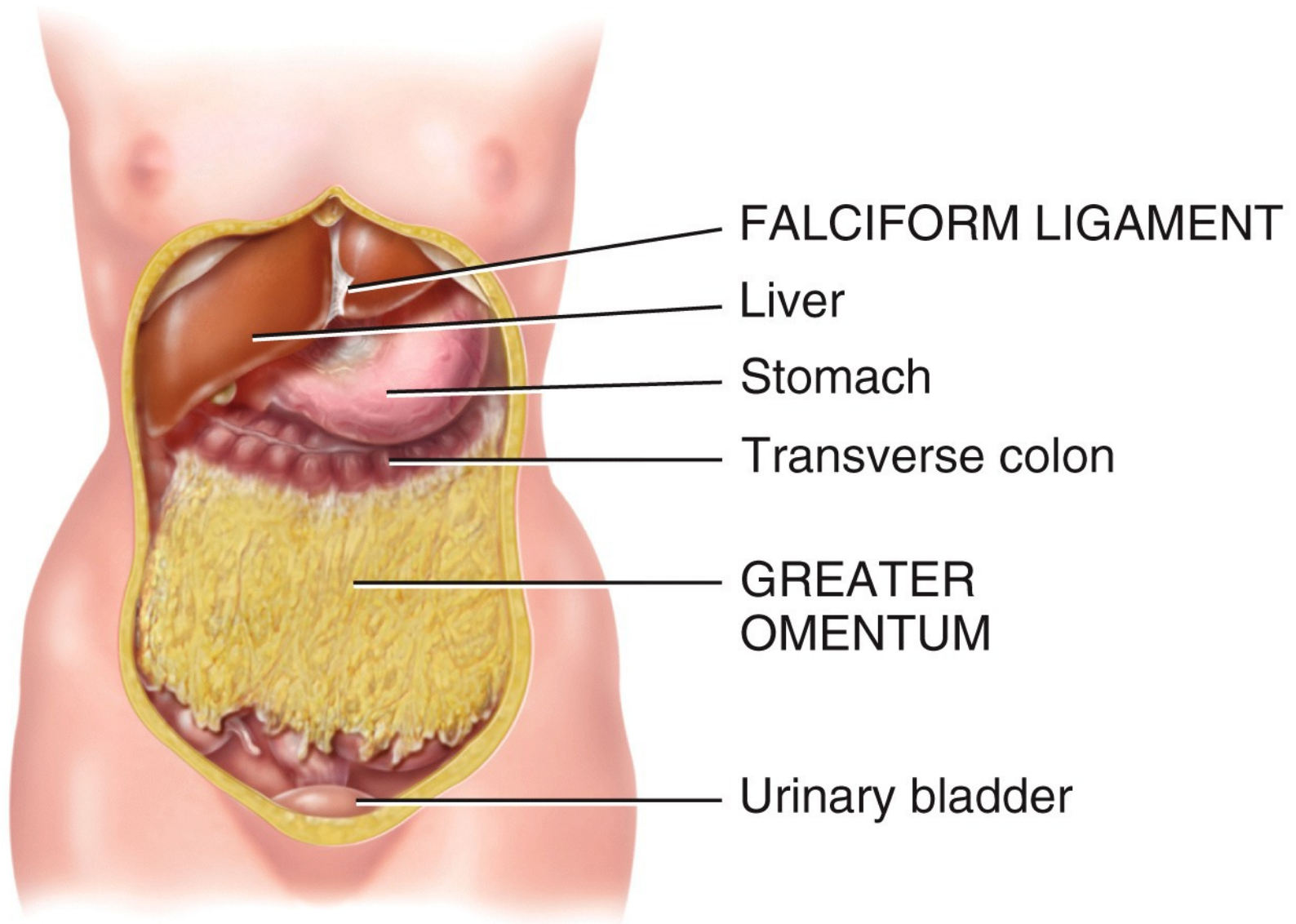
- 3 Upper esophageal sphincter constricts and bolus passes downward.







(a) Midsagittal section showing the peritoneal folds



(b) Anterior view

SUPERIOR



Lungs

Heart

Diaphragm

Right lobe of liver

FALCIFORM LIGAMENT

Left lobe of liver

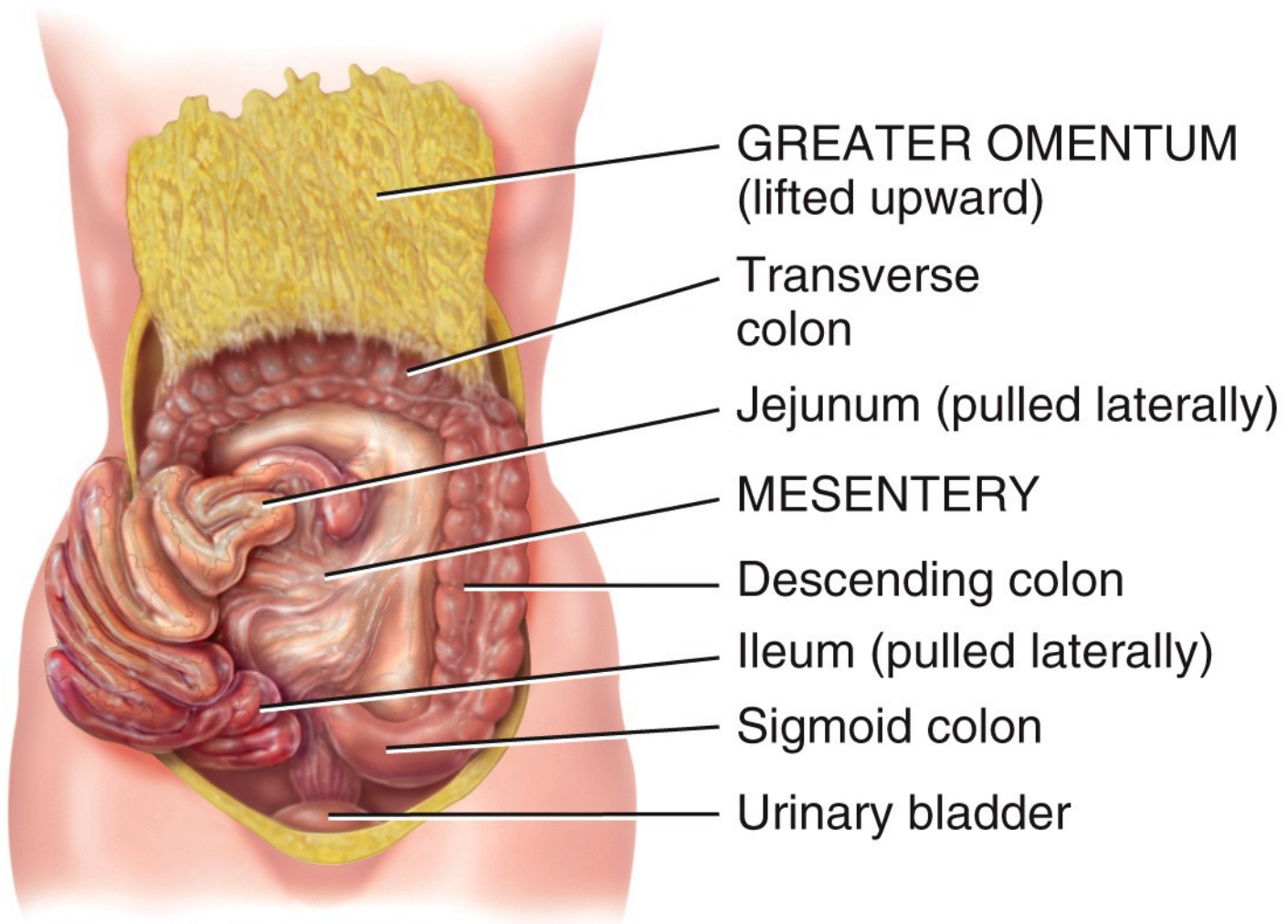
Stomach

GREATER OMENTUM

Dissection Shawn Miller,
Photograph Mark Nielsen

(e) Anterior view





(d) Anterior view (greater omentum lifted and small intestine moved to right side)



The Classic Beer Belly!

This greater omentum contains approximately
10 gallons of adipose tissue!

Gallbladder
(lifted upward)

Liver
(lifted upward)

Transverse
colon

Ascending
colon

LESSER
OMENTUM

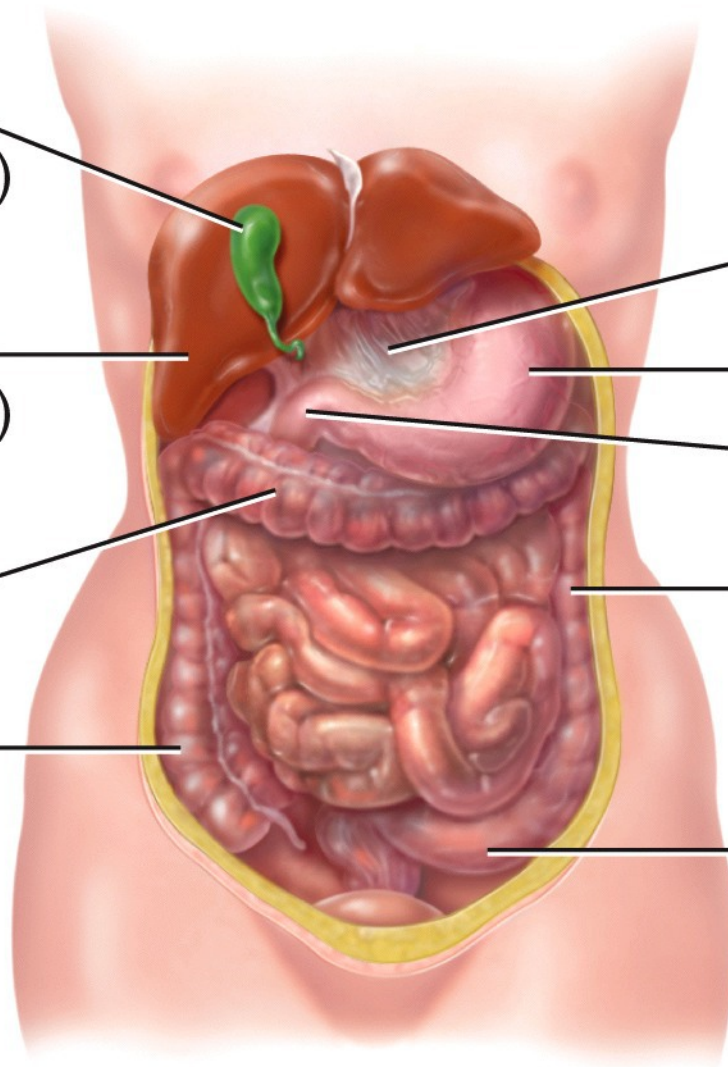
Stomach

Duodenum

Descending
colon

Sigmoid
colon

(c) Lesser omentum, anterior view
(liver and gallbladder lifted)

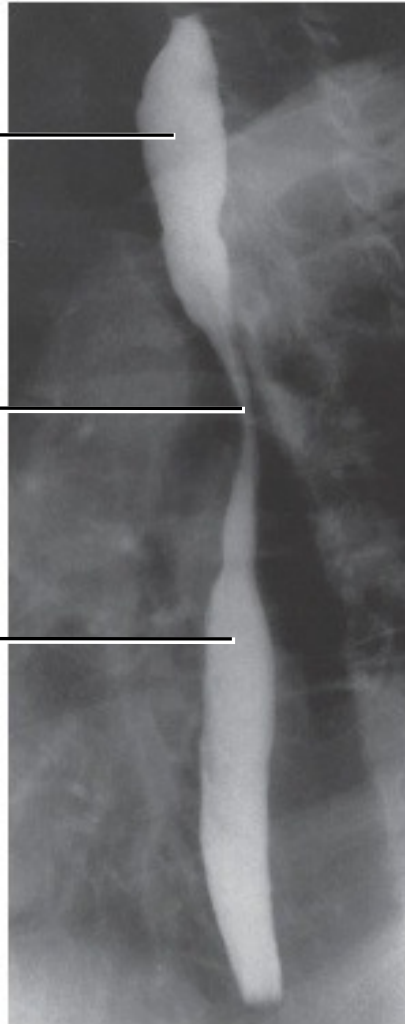


X-ray: Swallowing in Esophagus

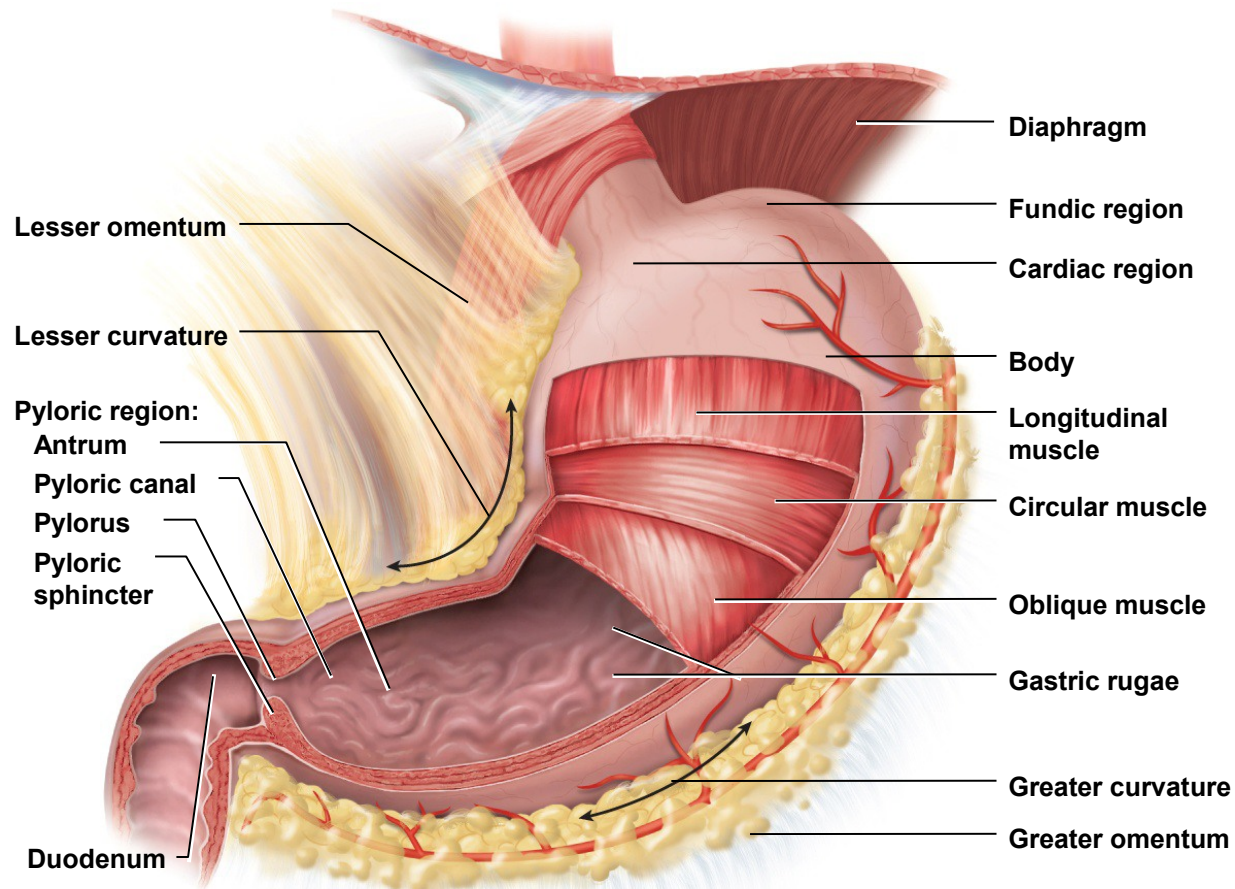
**Upper
esophagus**

**Peristaltic
contraction**

**Bolus of ingested
matter passing
down esophagus**

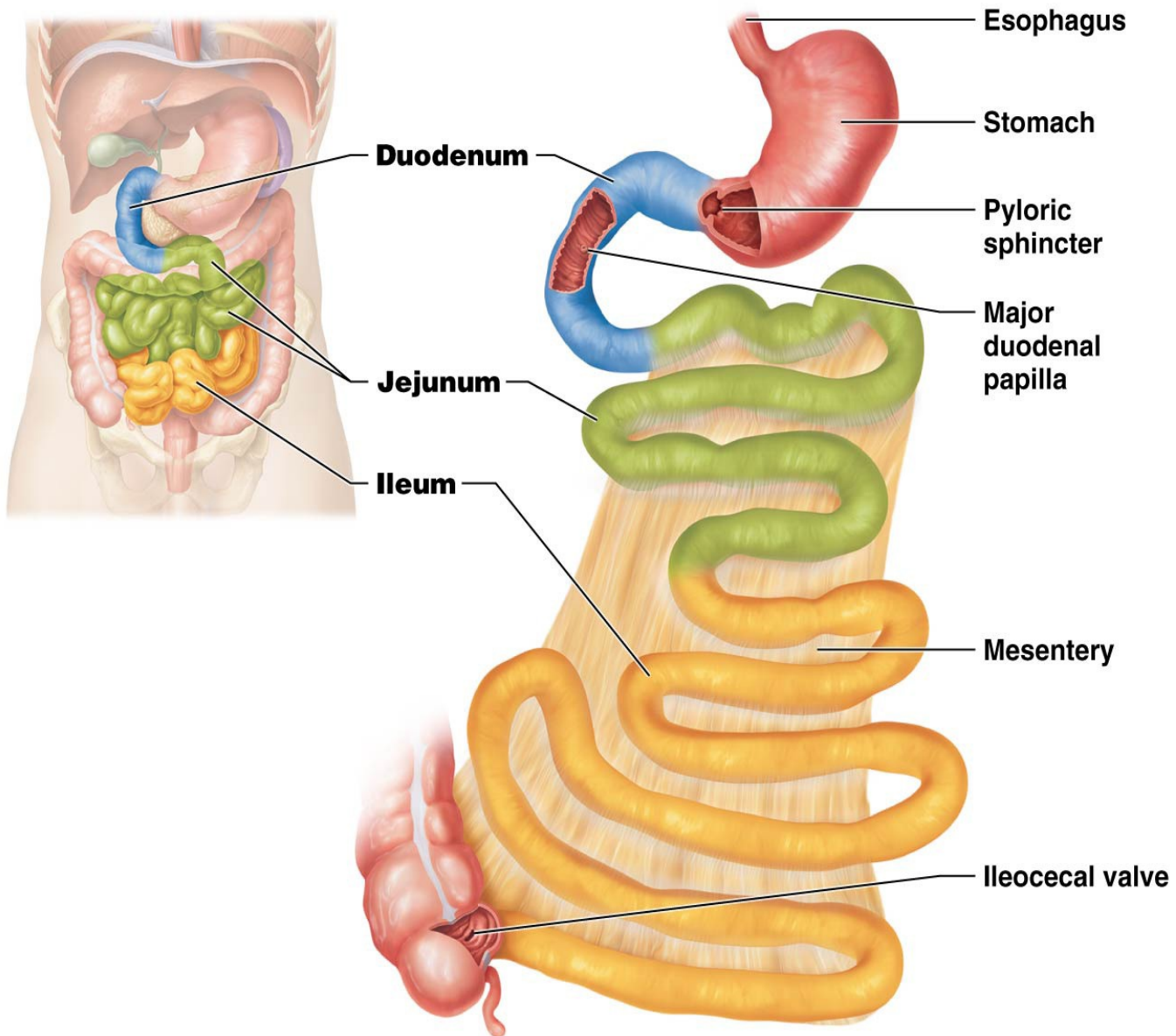


Gross Anatomy of Stomach

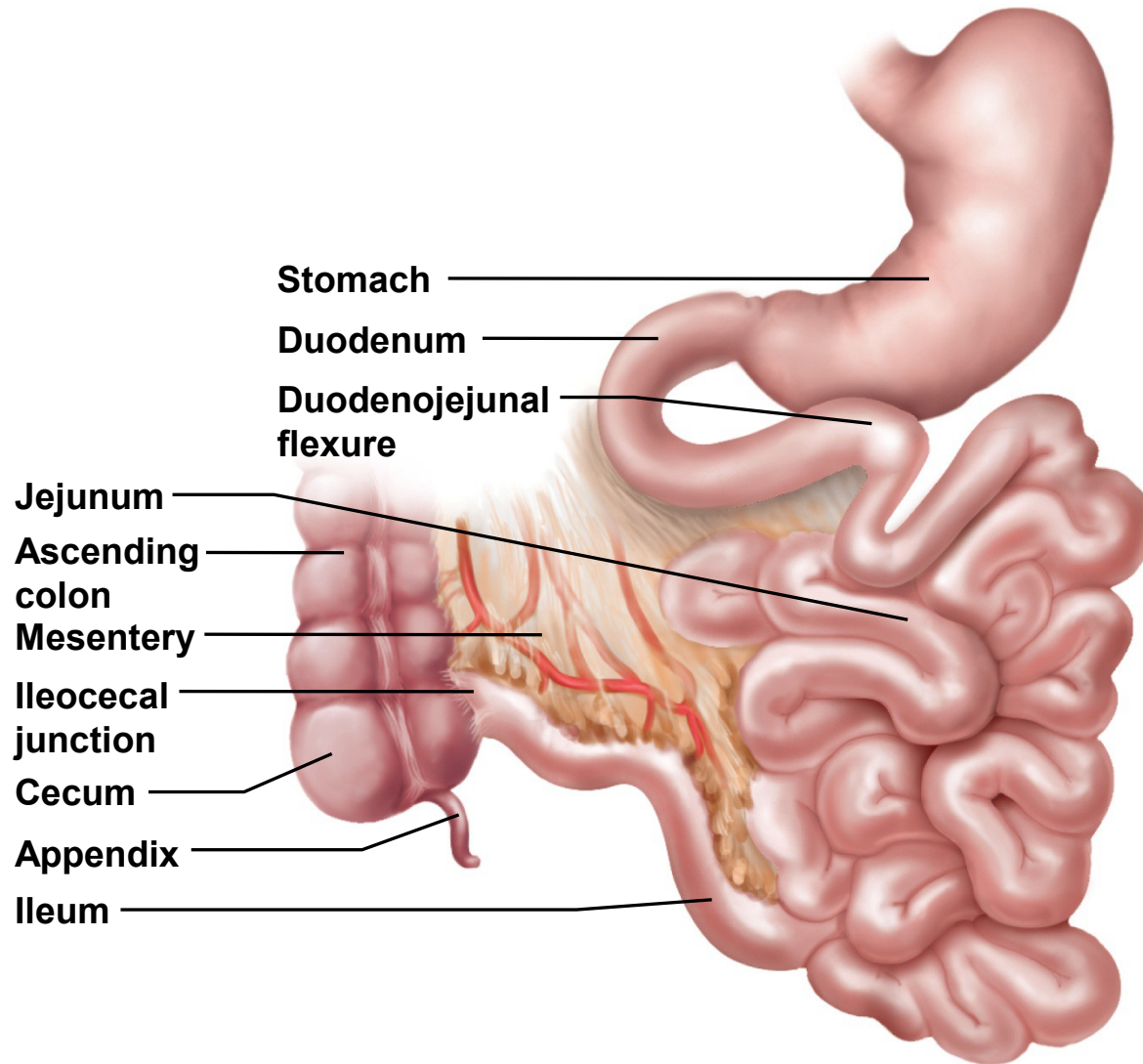


bulge of fundus, narrowing of pyloric region, thickness of pyloric sphincter, and greater and lesser curvatures

Gross anatomy of the small intestine.



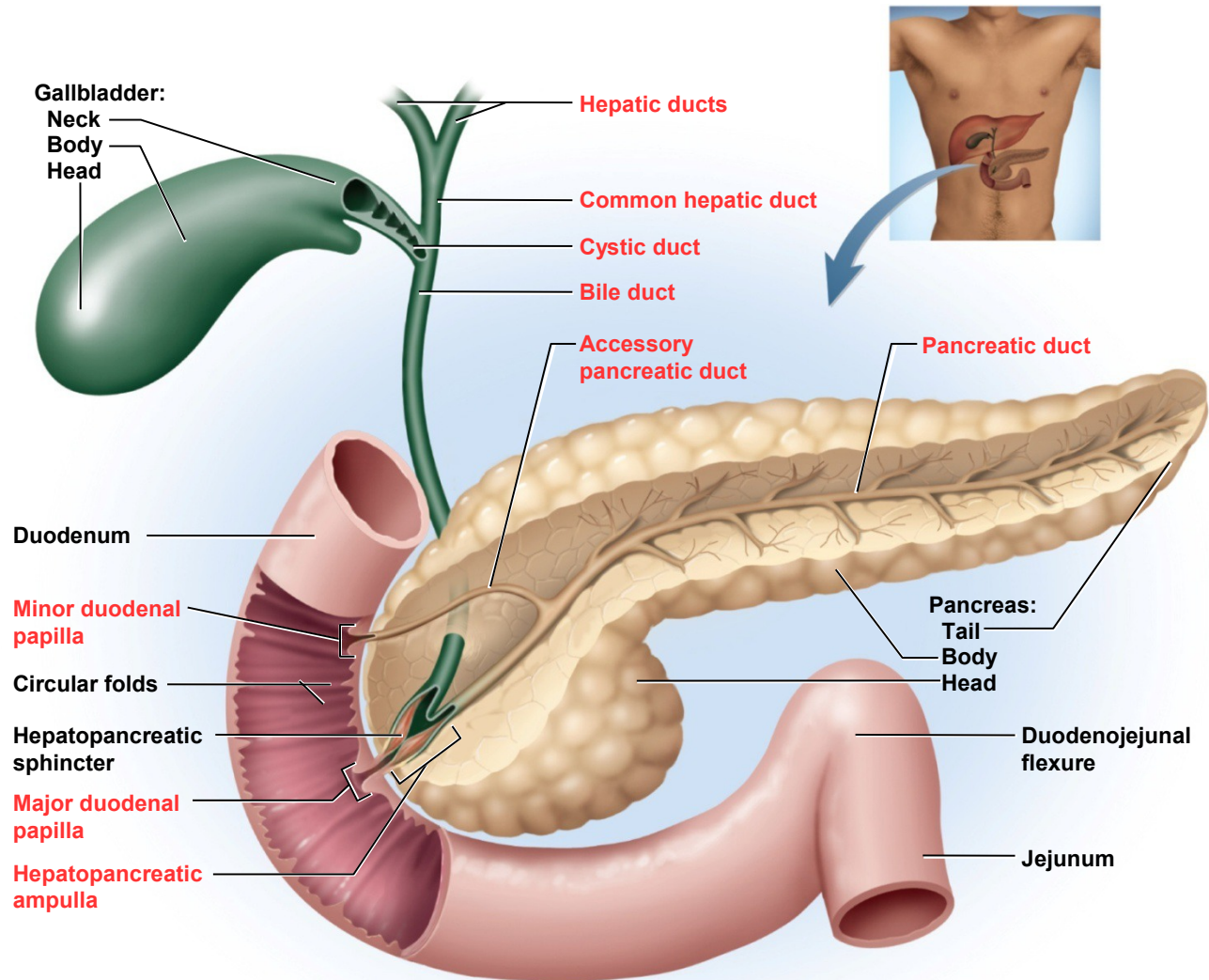
Small Intestine

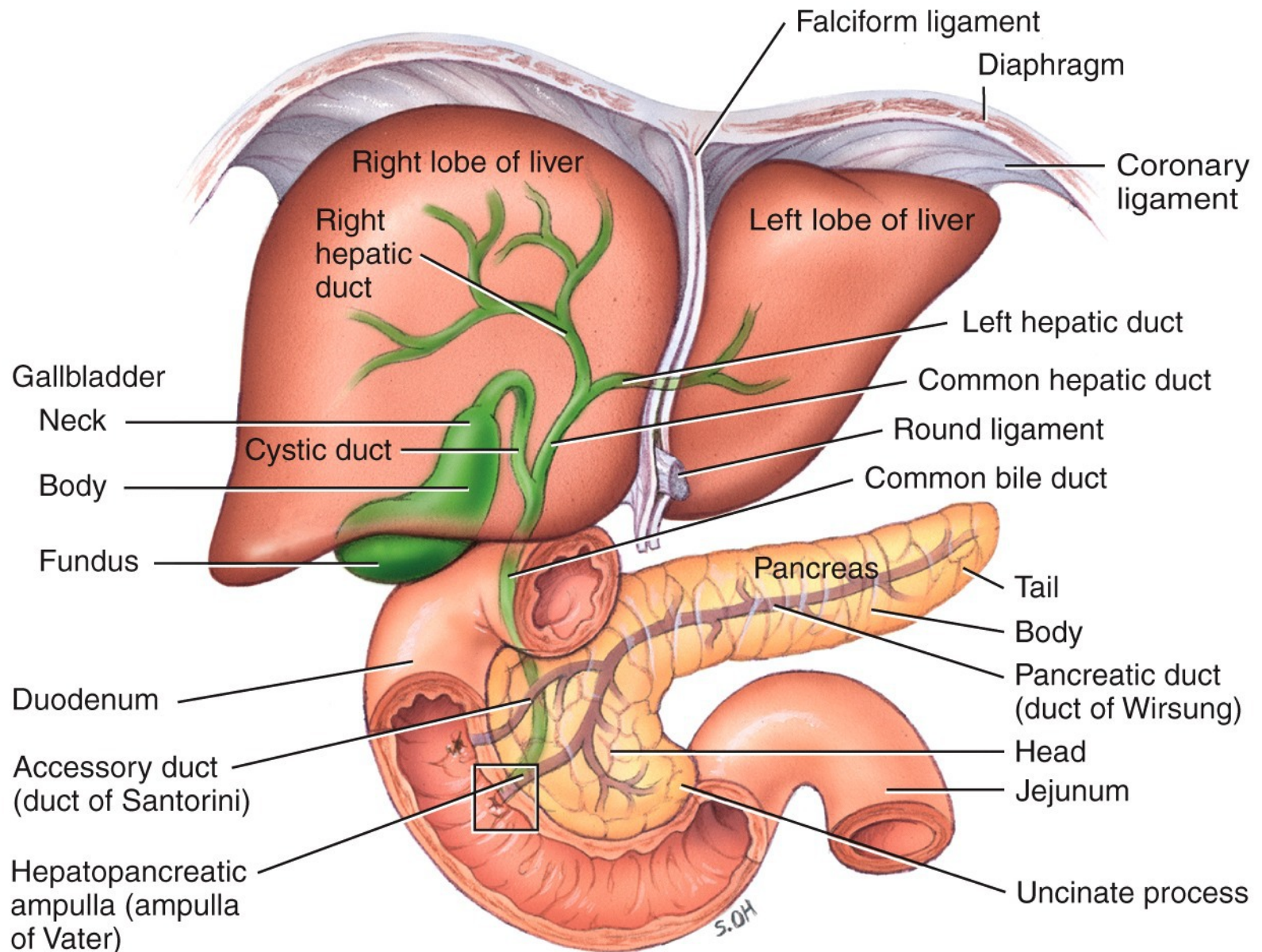


Coiled mass filling most of the abdominal cavity inferior to the stomach and the liver

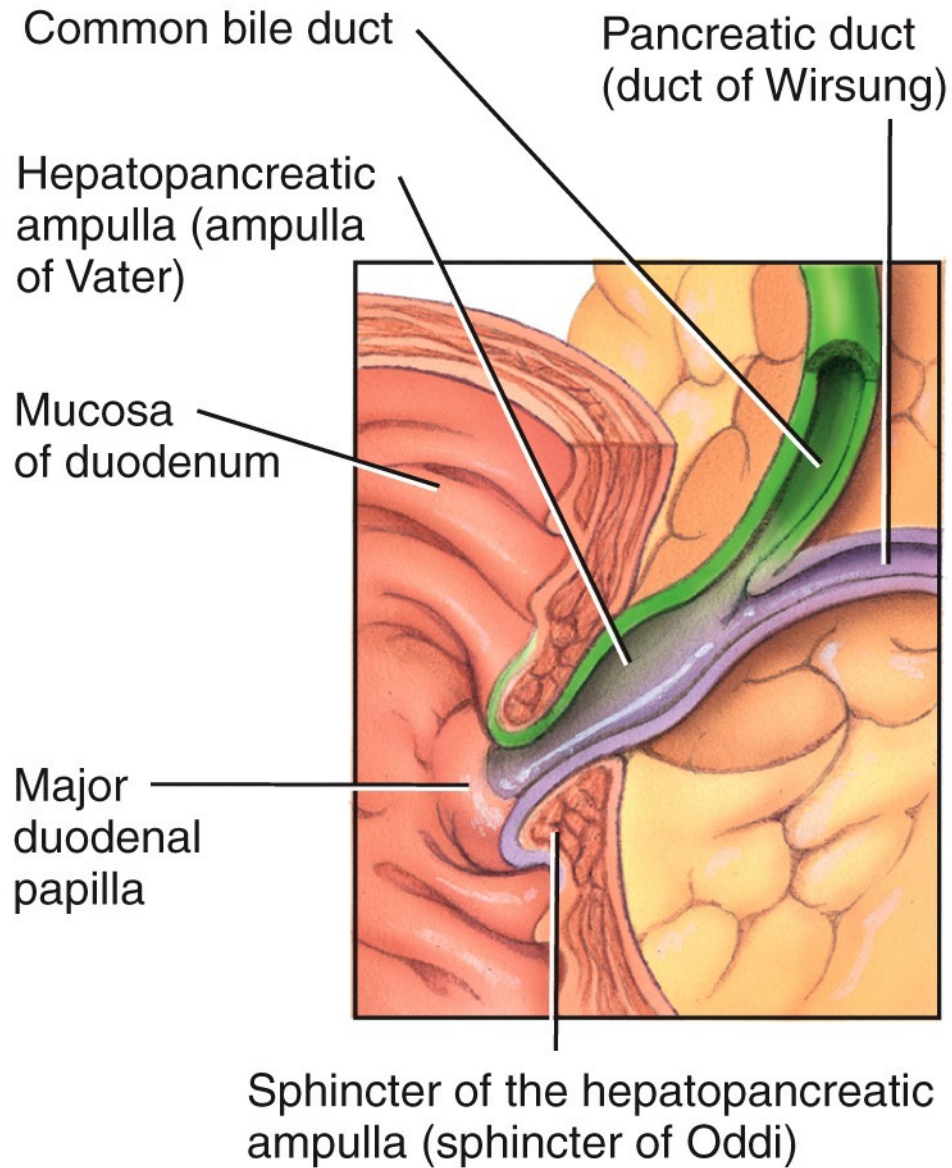


Gross Anatomy of the Gallbladder, Pancreas, and Bile Passages

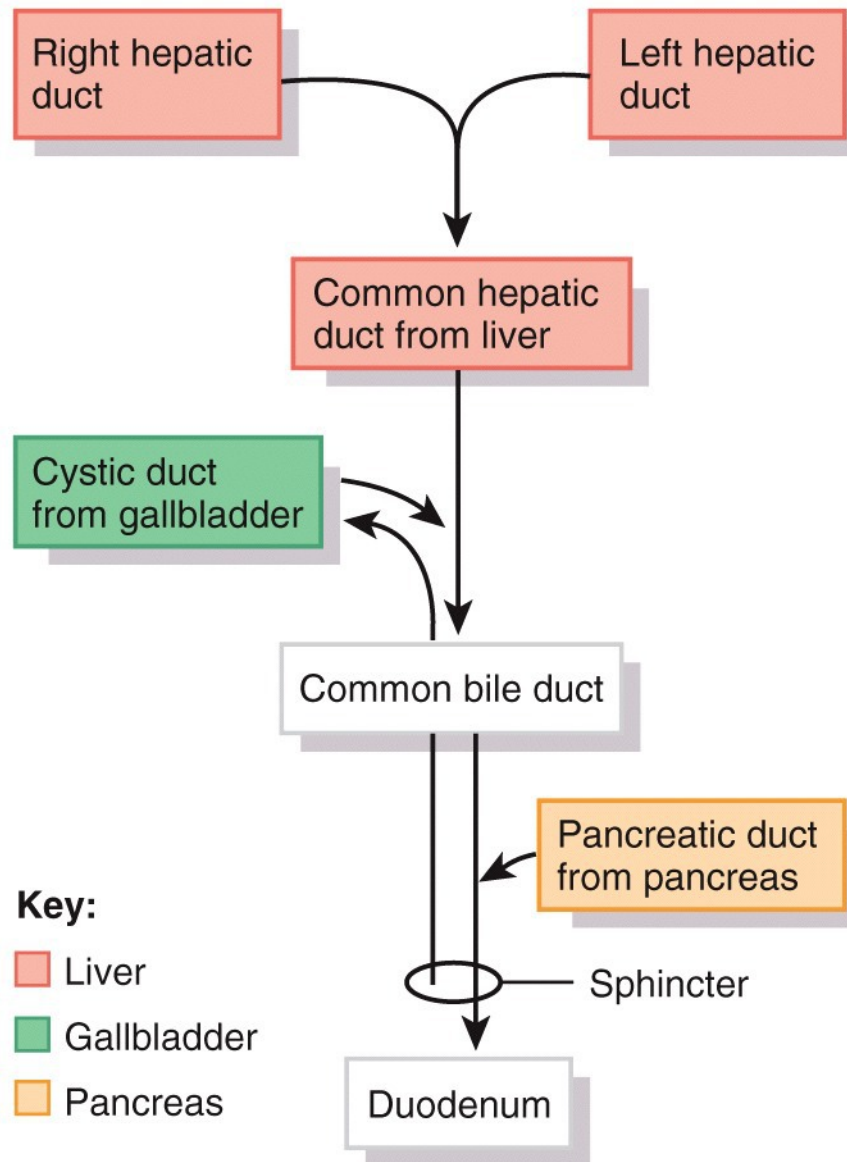




(a) Anterior view



(b) Details of hepatopancreatic ampulla



(c) Ducts carrying bile from liver and gallbladder and pancreatic juice from pancreas to the duodenum

Falciform
ligament

Liver

Hepatic
duct

Cystic
duct

Gallbladder

Common bile
duct

Major duodenal
papilla

Duodenum

Diaphragm

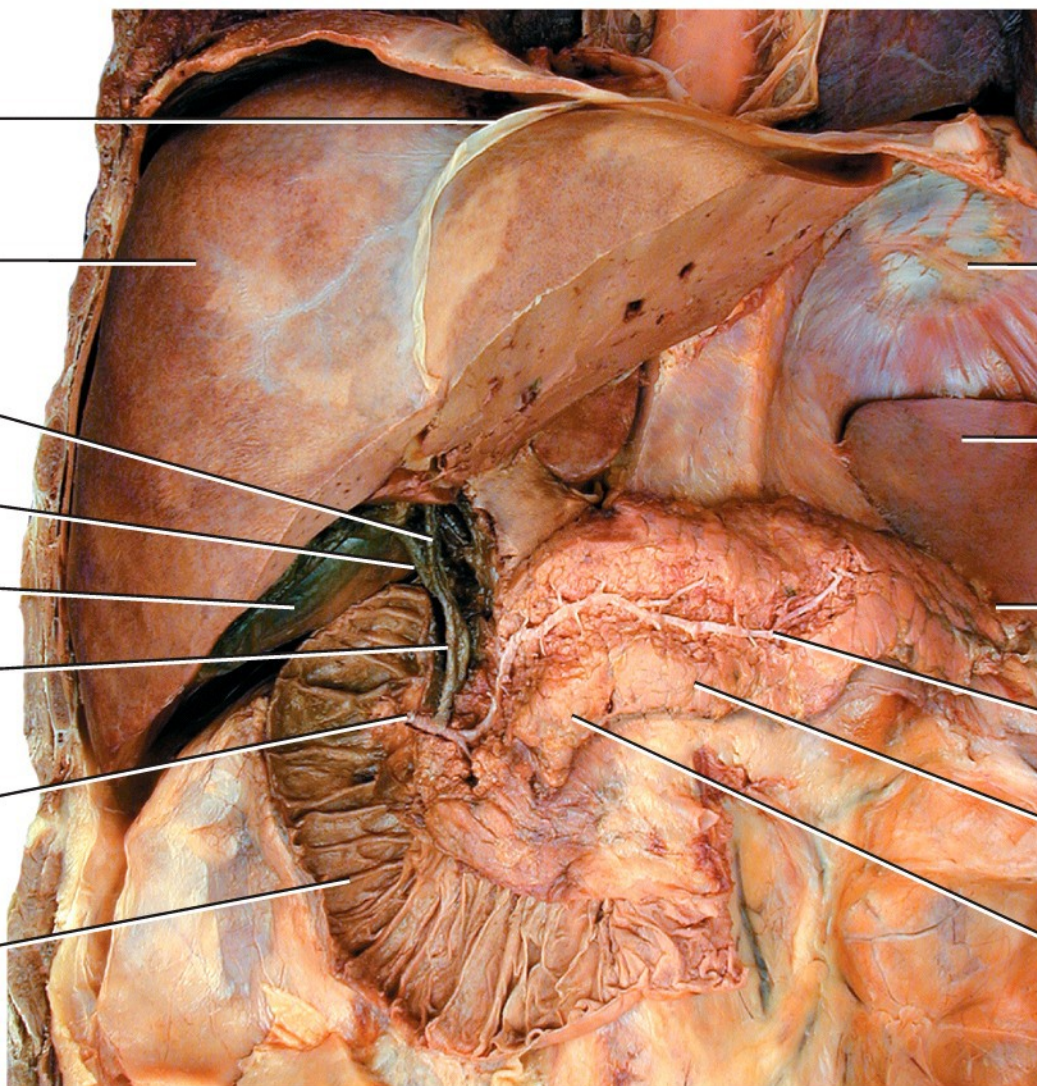
Spleen

Tail of
pancreas

Pancreatic duct
(duct of Wirsung)

Body of
pancreas

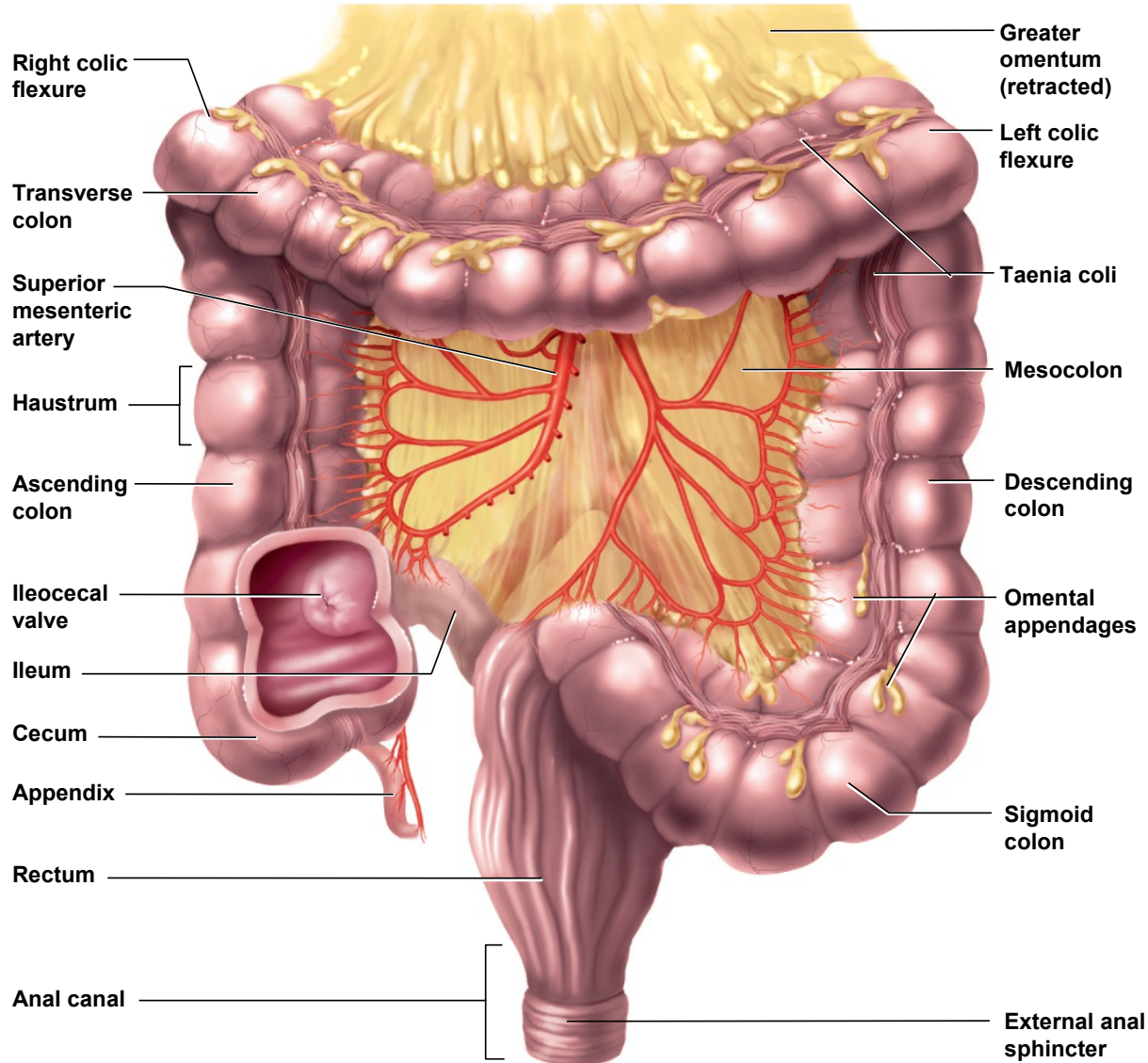
Head of
pancreas



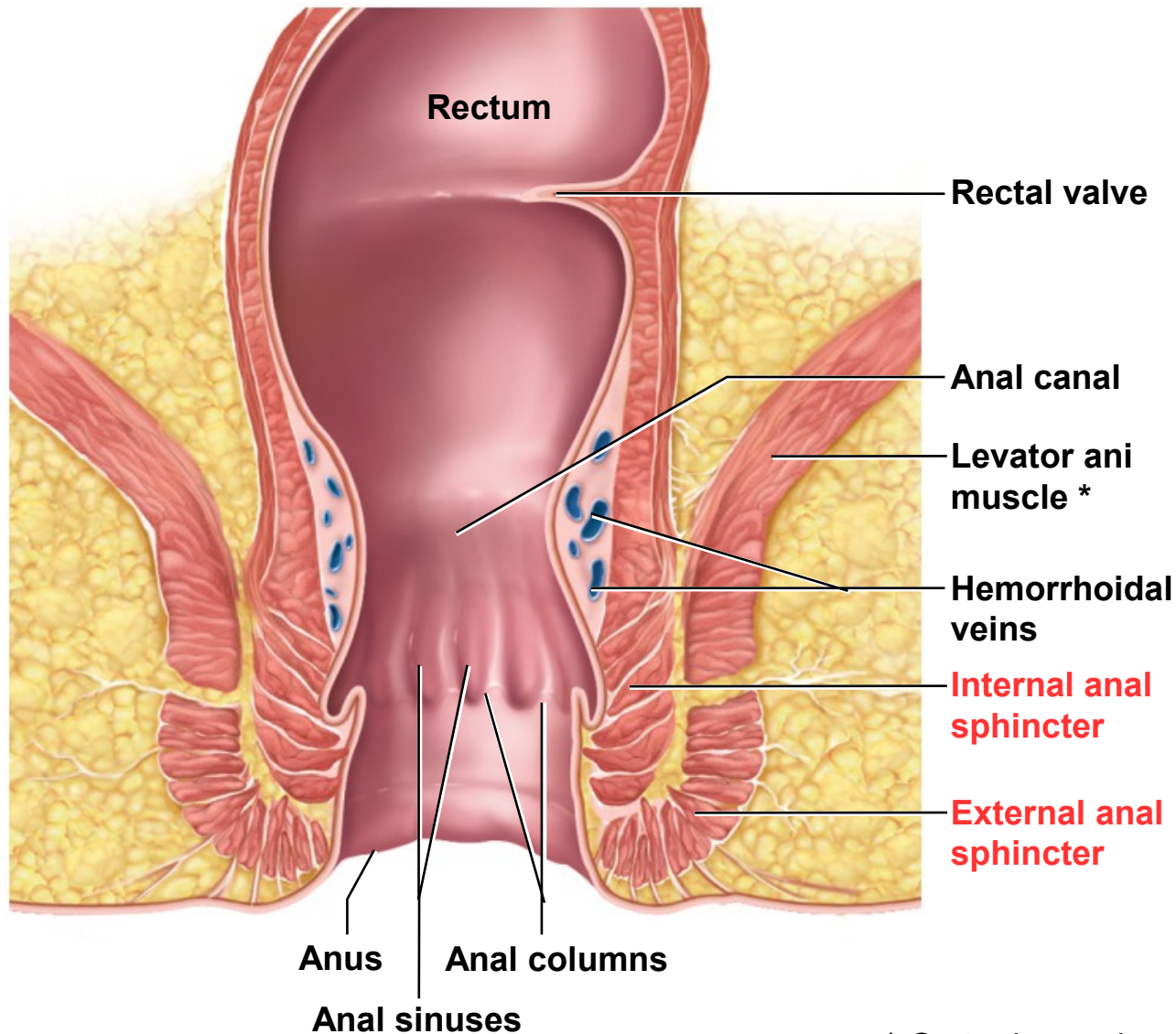
(d) Anterior view

Dissection Shawn Miller,
Photograph Mark Nielsen

Anatomy of Large Intestine



Anatomy of Anal Canal



* Go to dog park and watch a dog defecate to see this muscle's function!