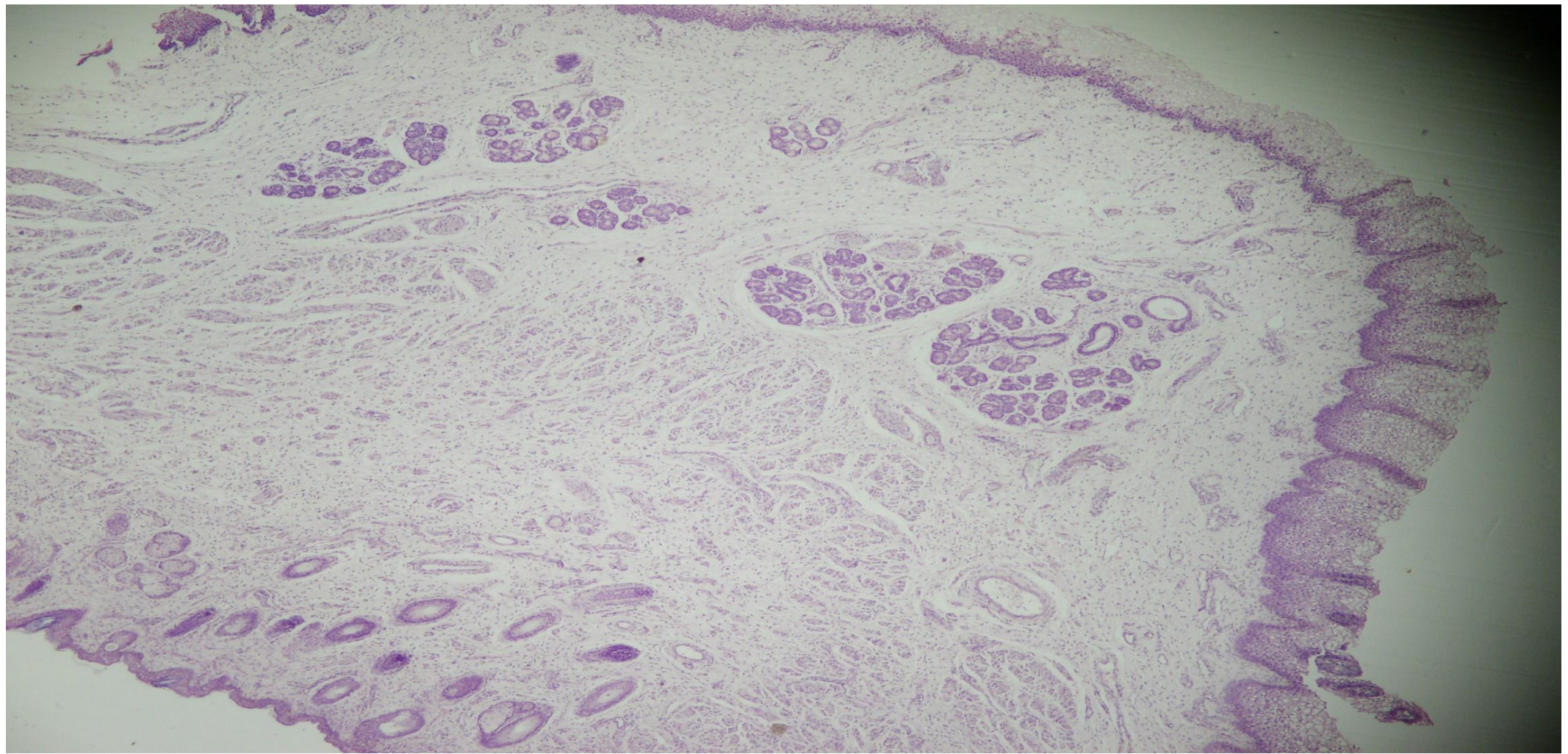
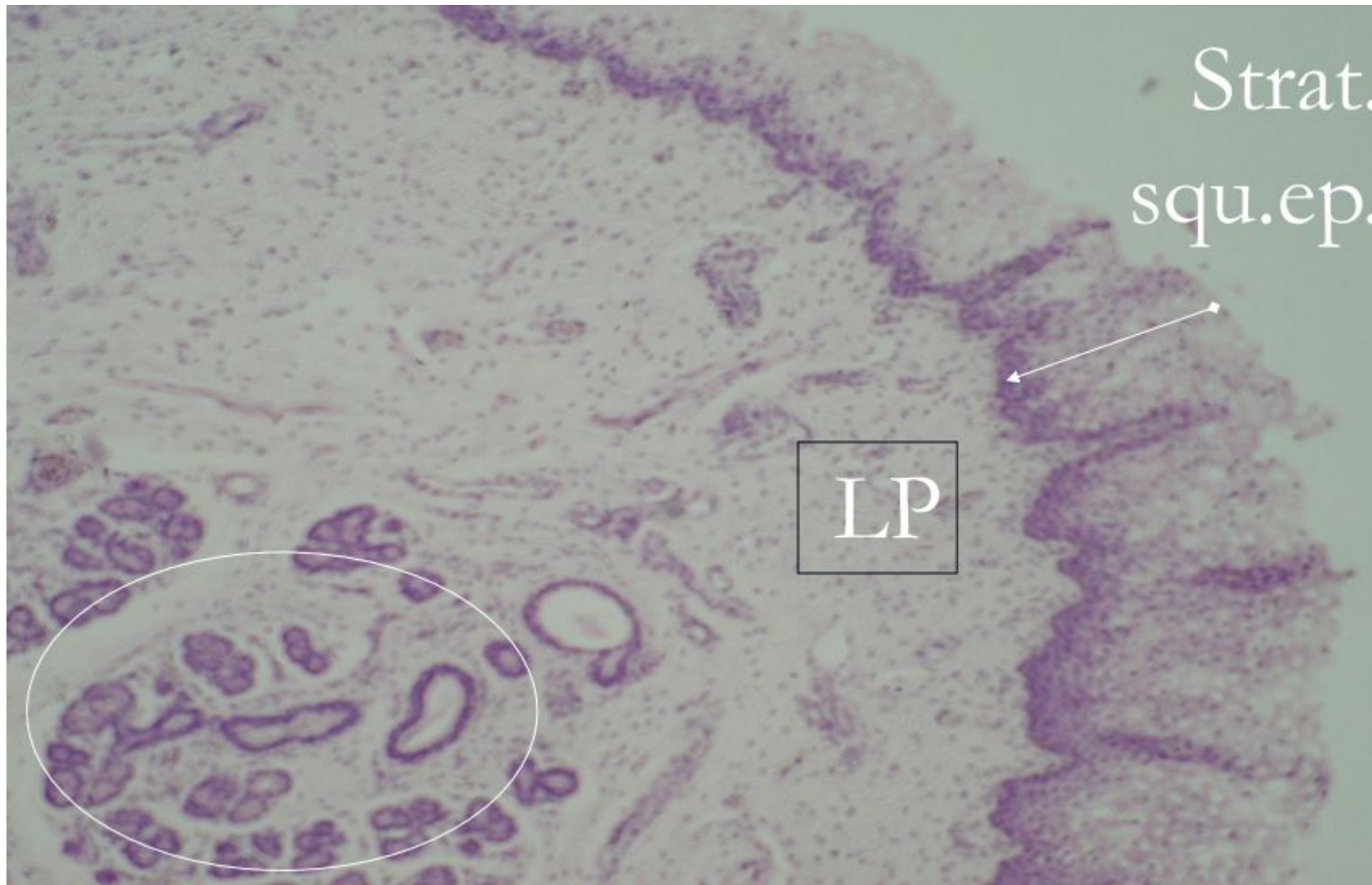
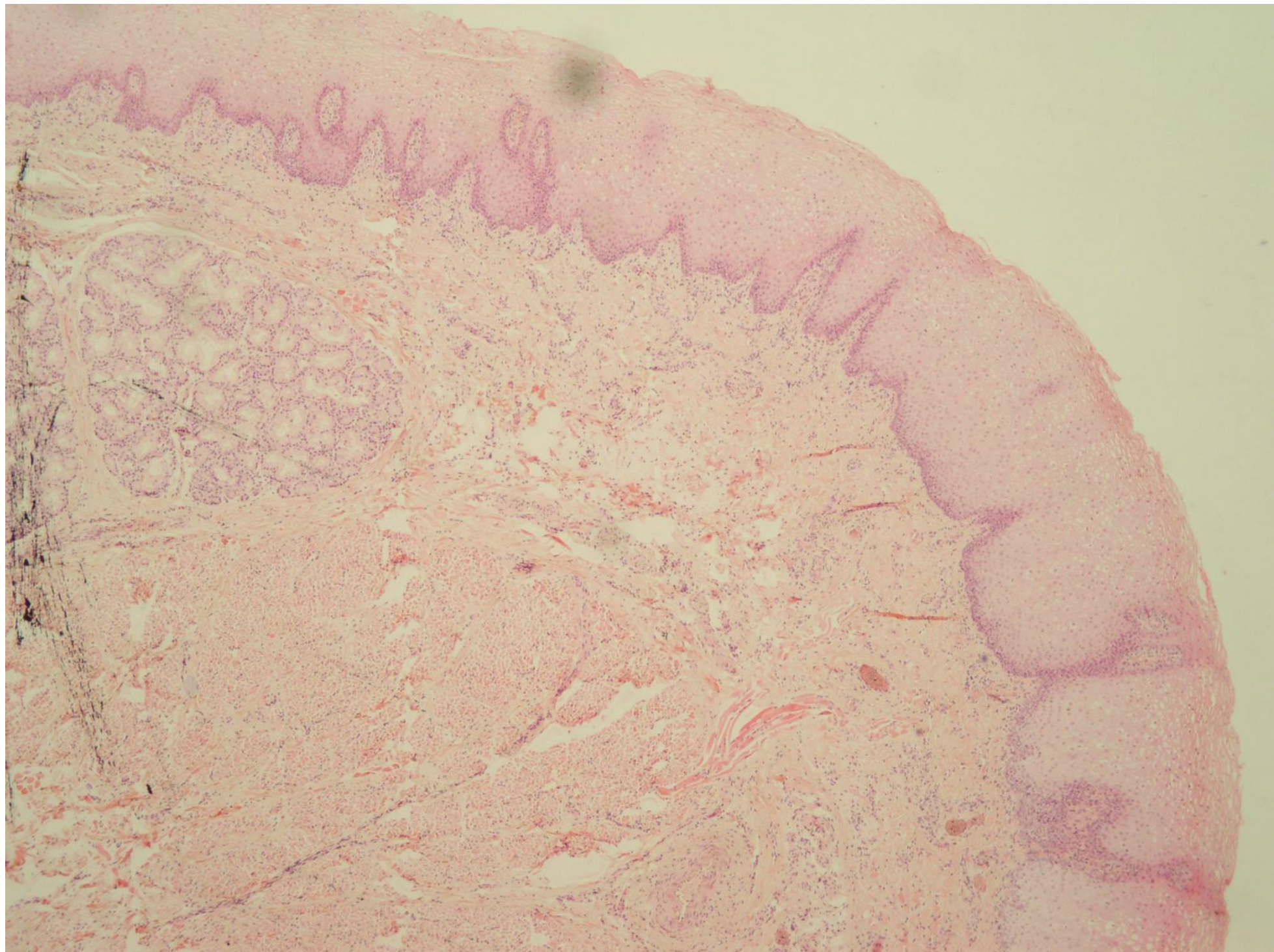




Sagittal Section of Lip

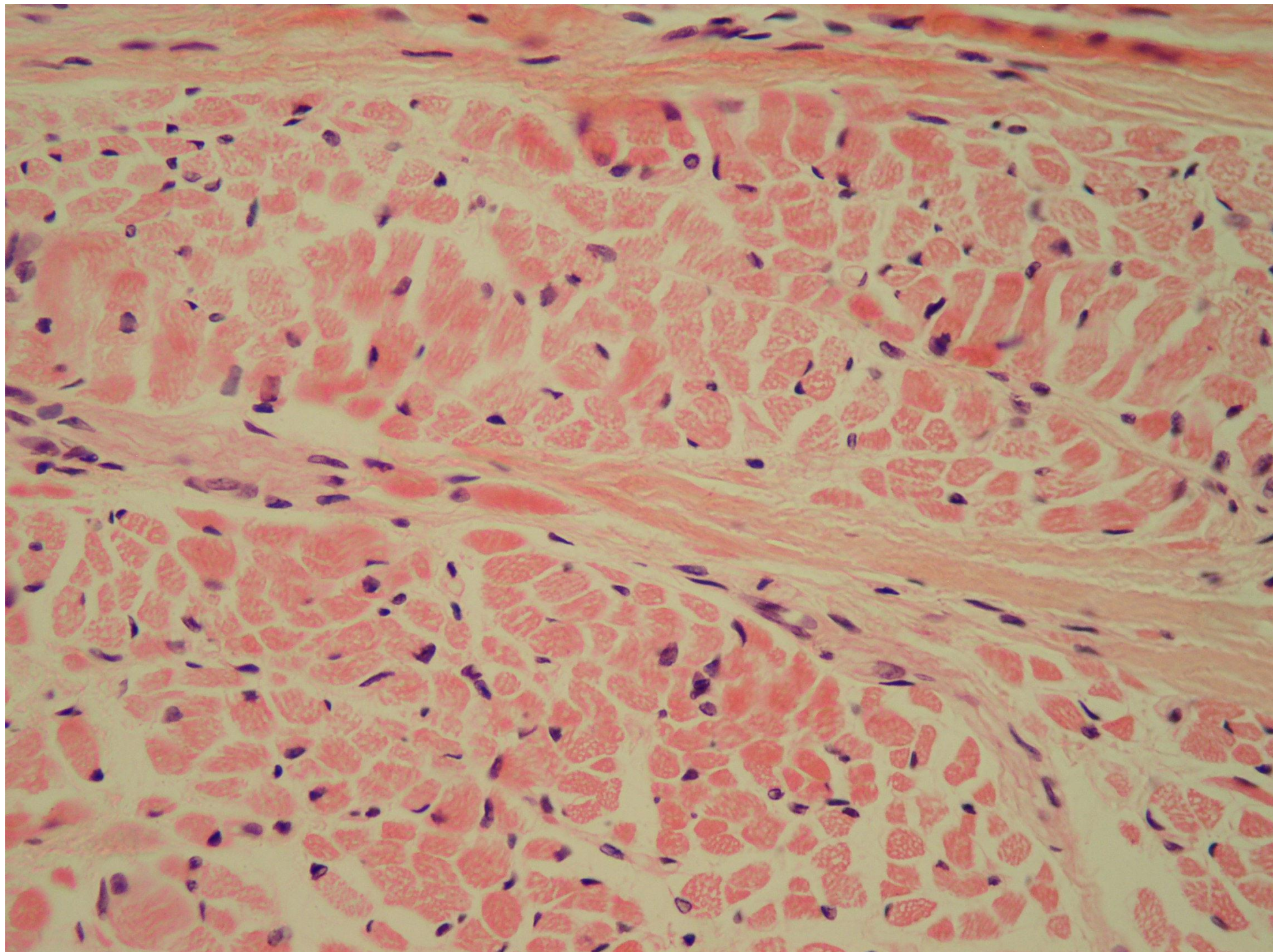


Oral mucosa part
labial seromucous gland

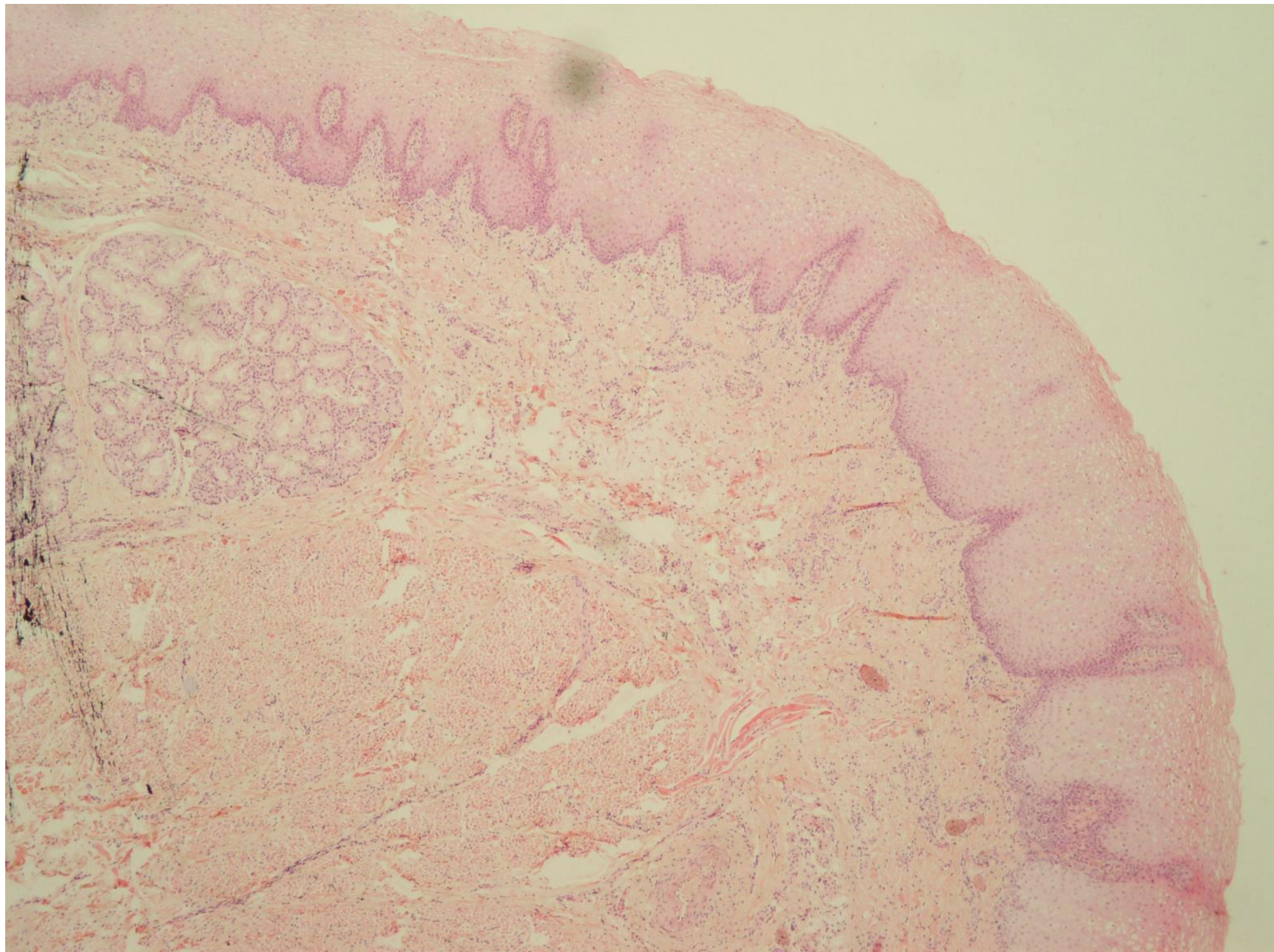


Lip

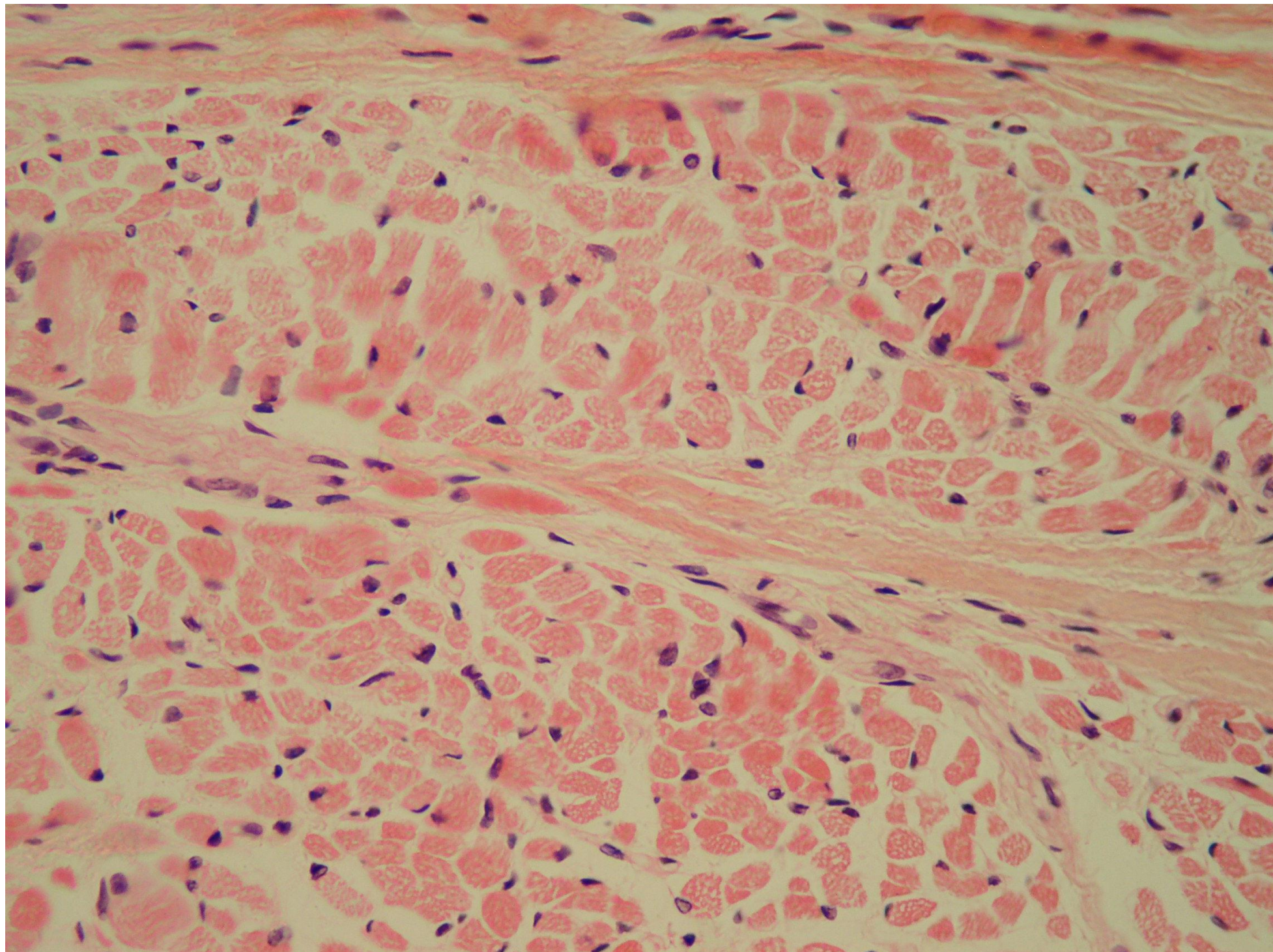
Vermilion(transition zone)



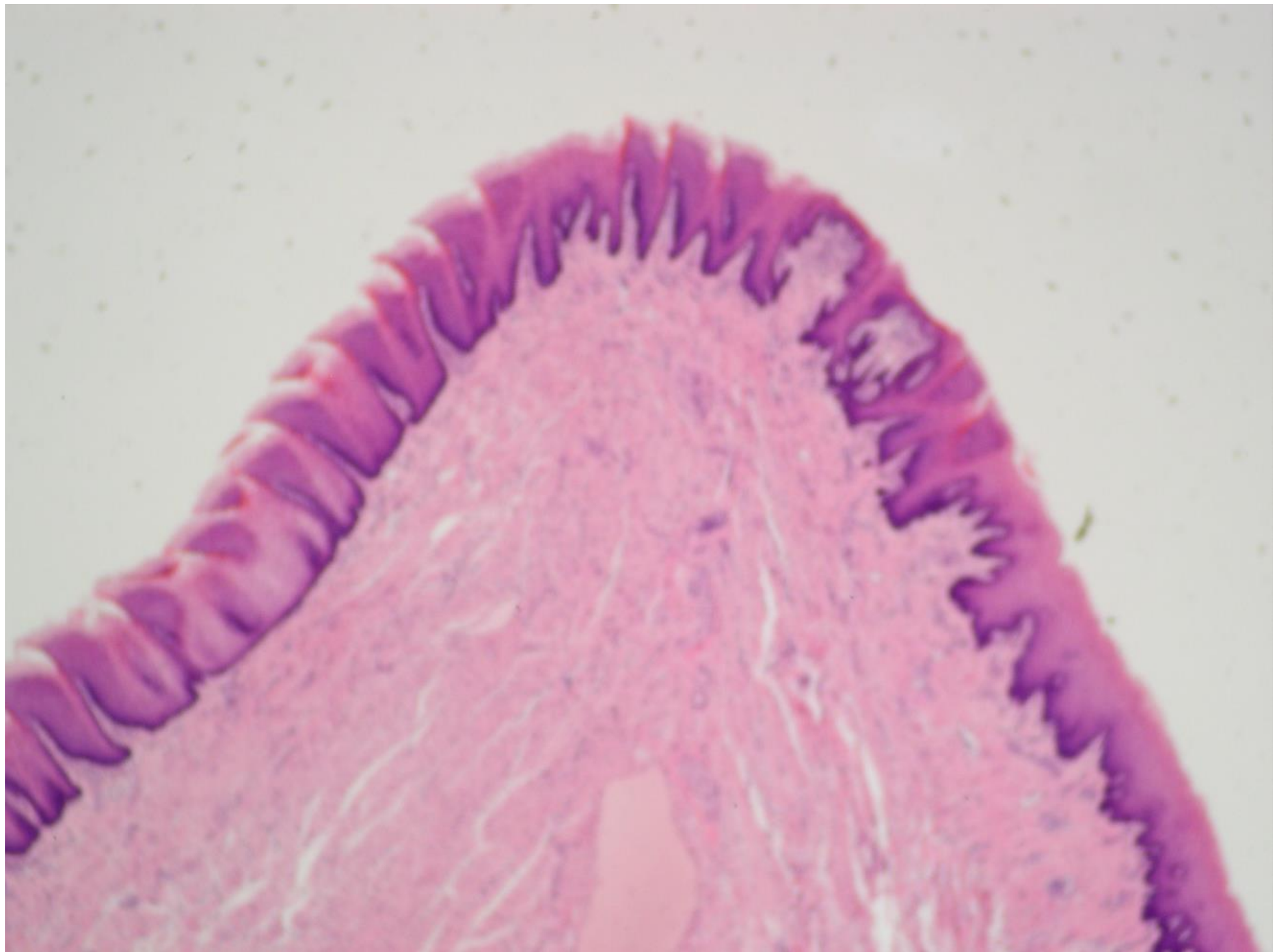
Fine skeletal muscle in core of lip



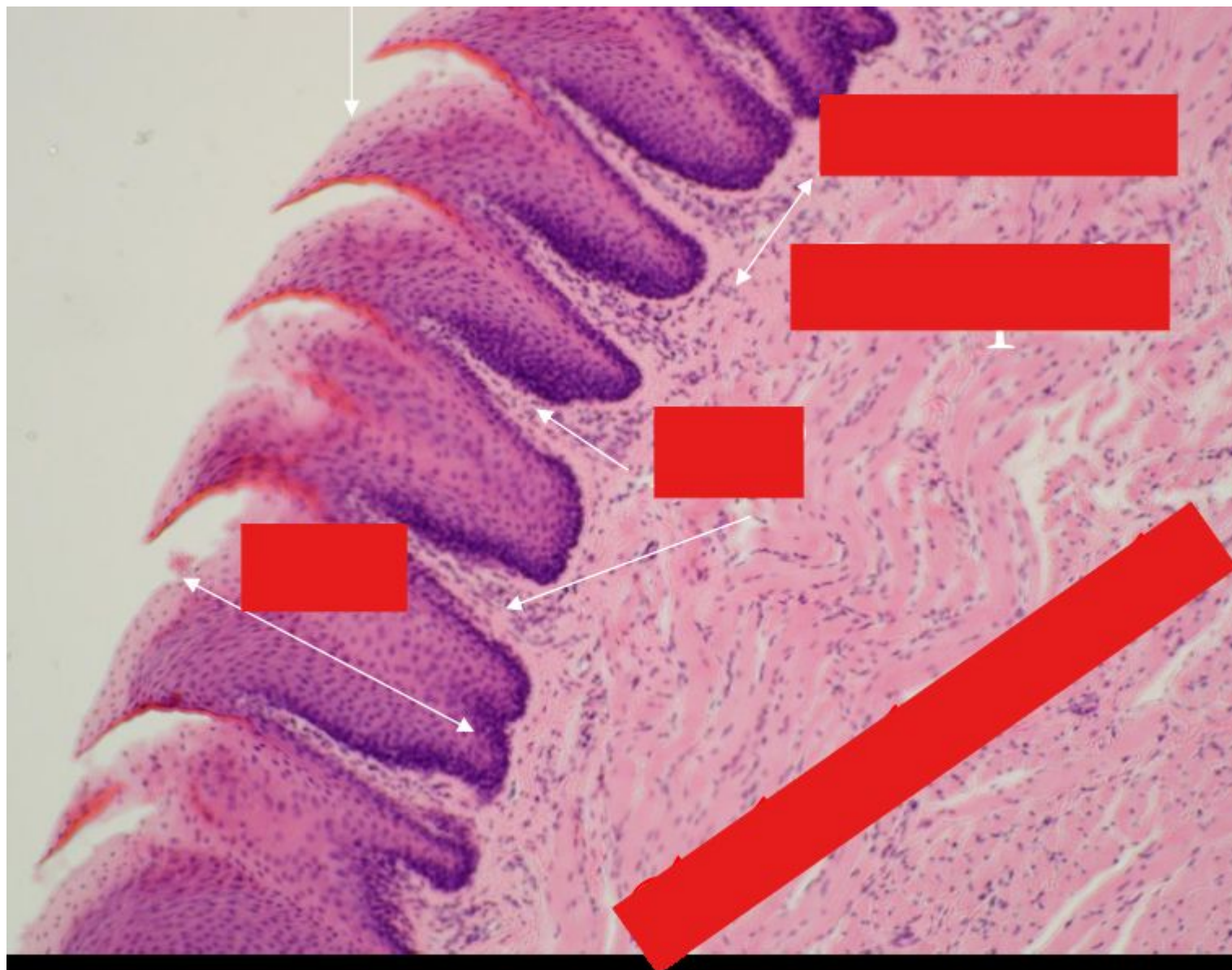
Vermilion(transition zone)

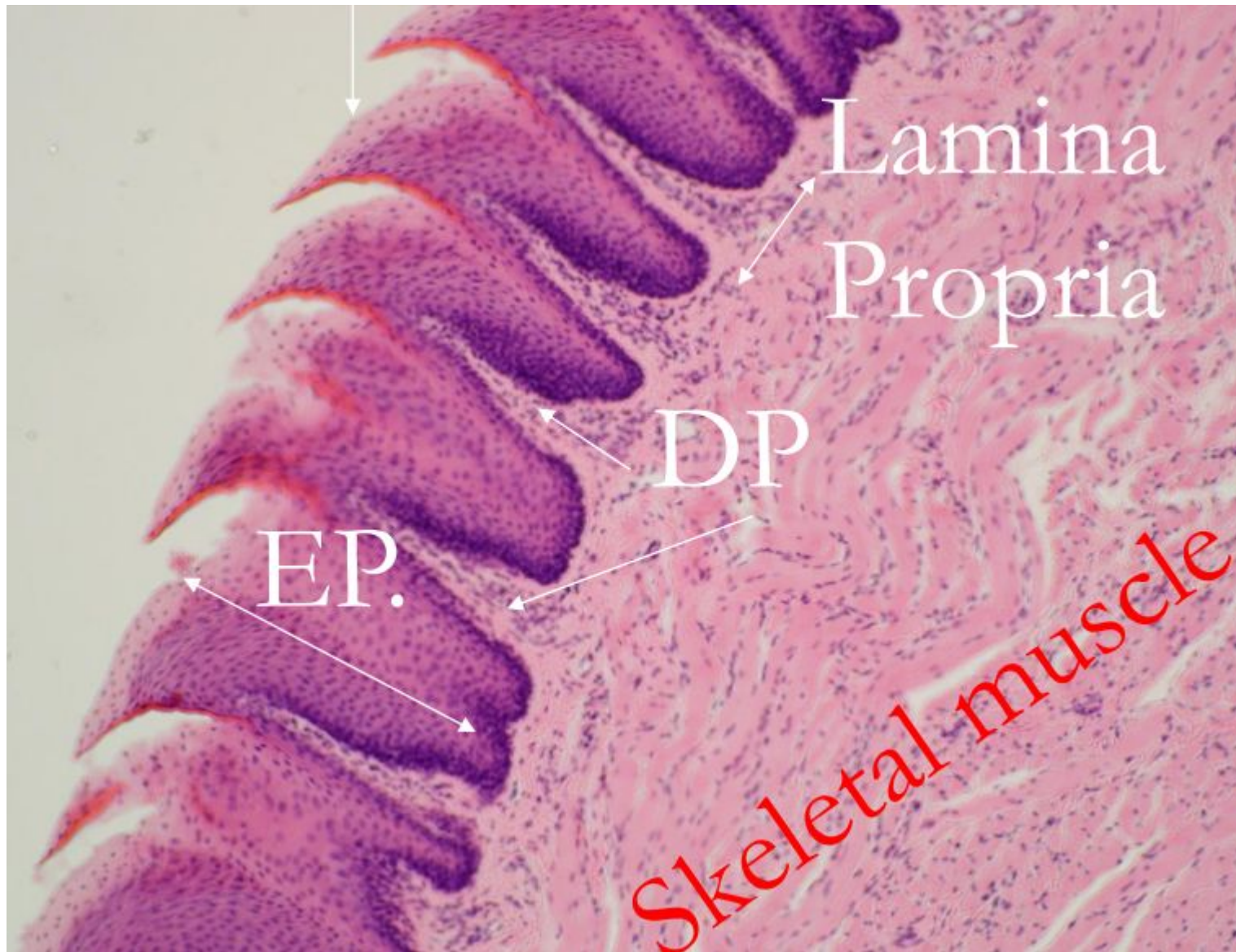


Fine skeletal muscle in core of lip



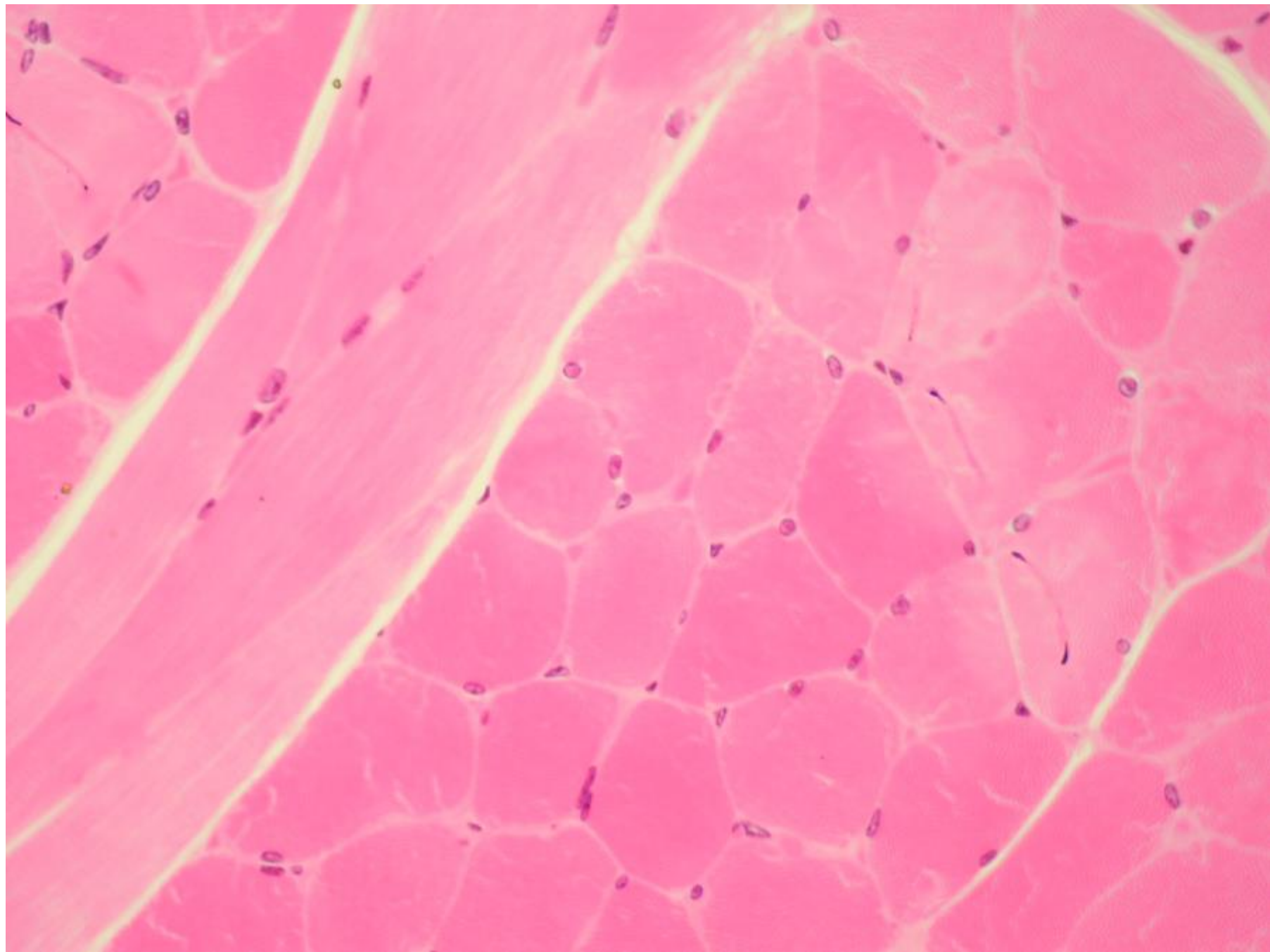
Tongue(dorsal surface)



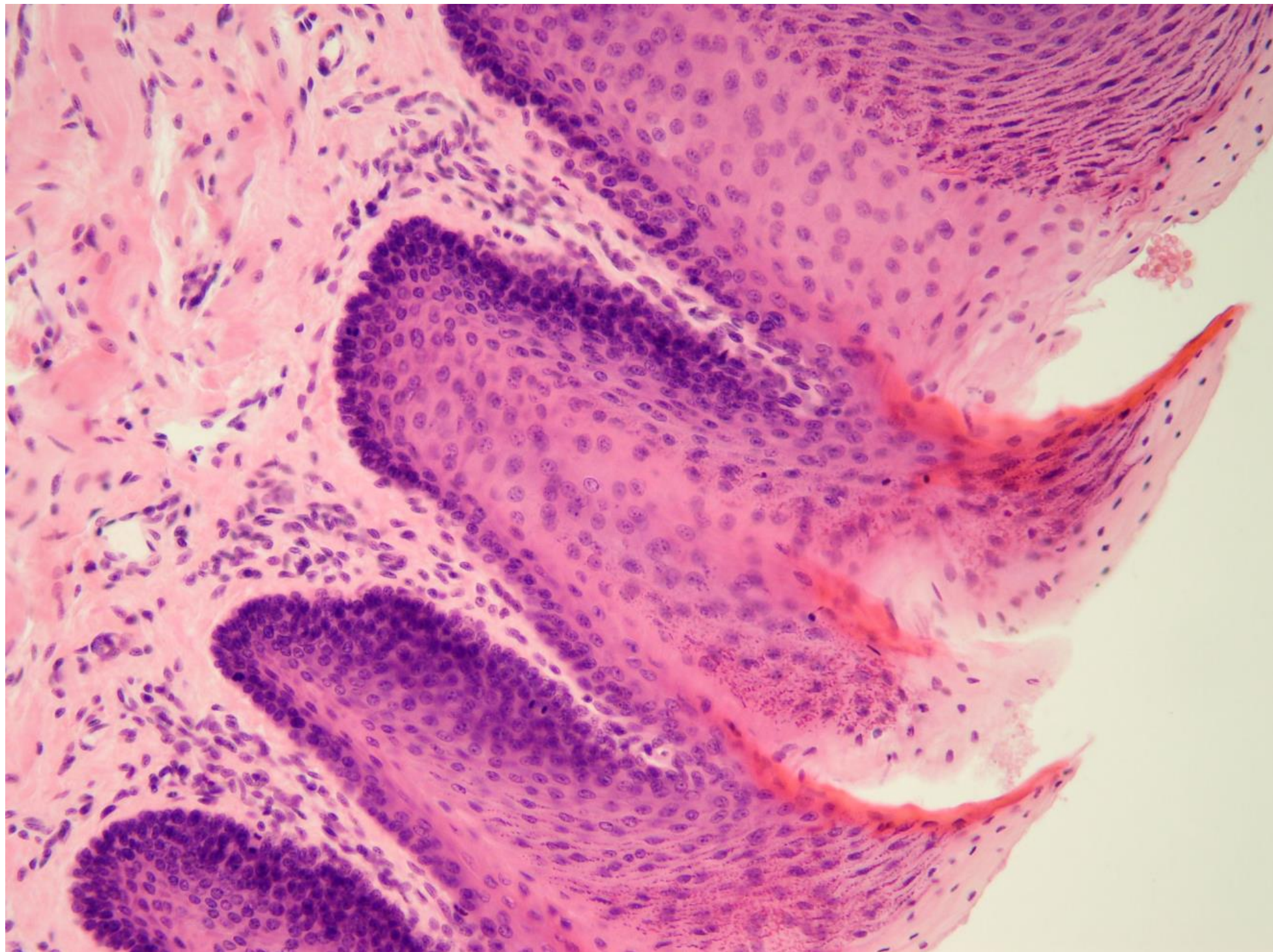


Filiform Papillae

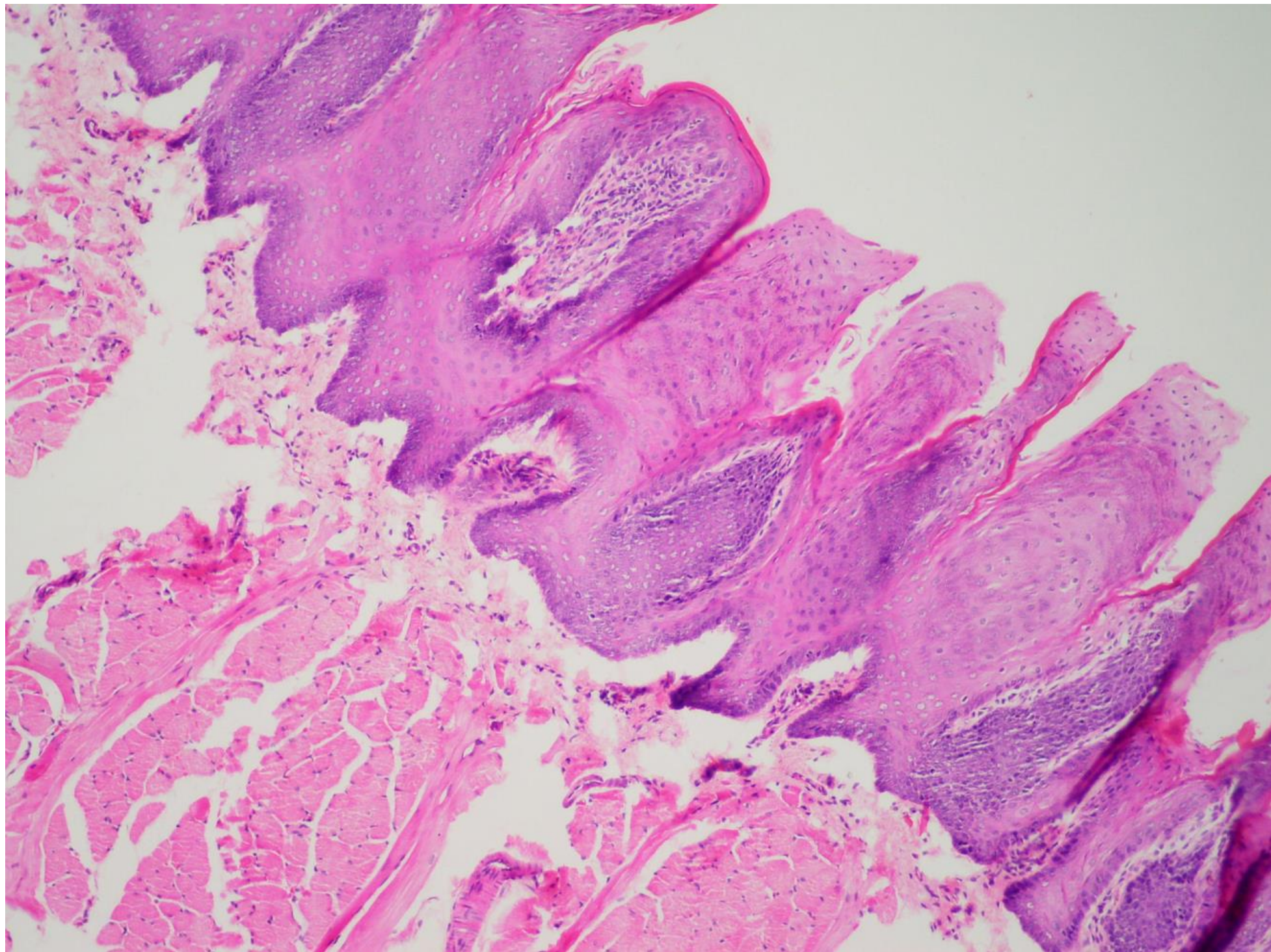
DP: Dermal Papilla



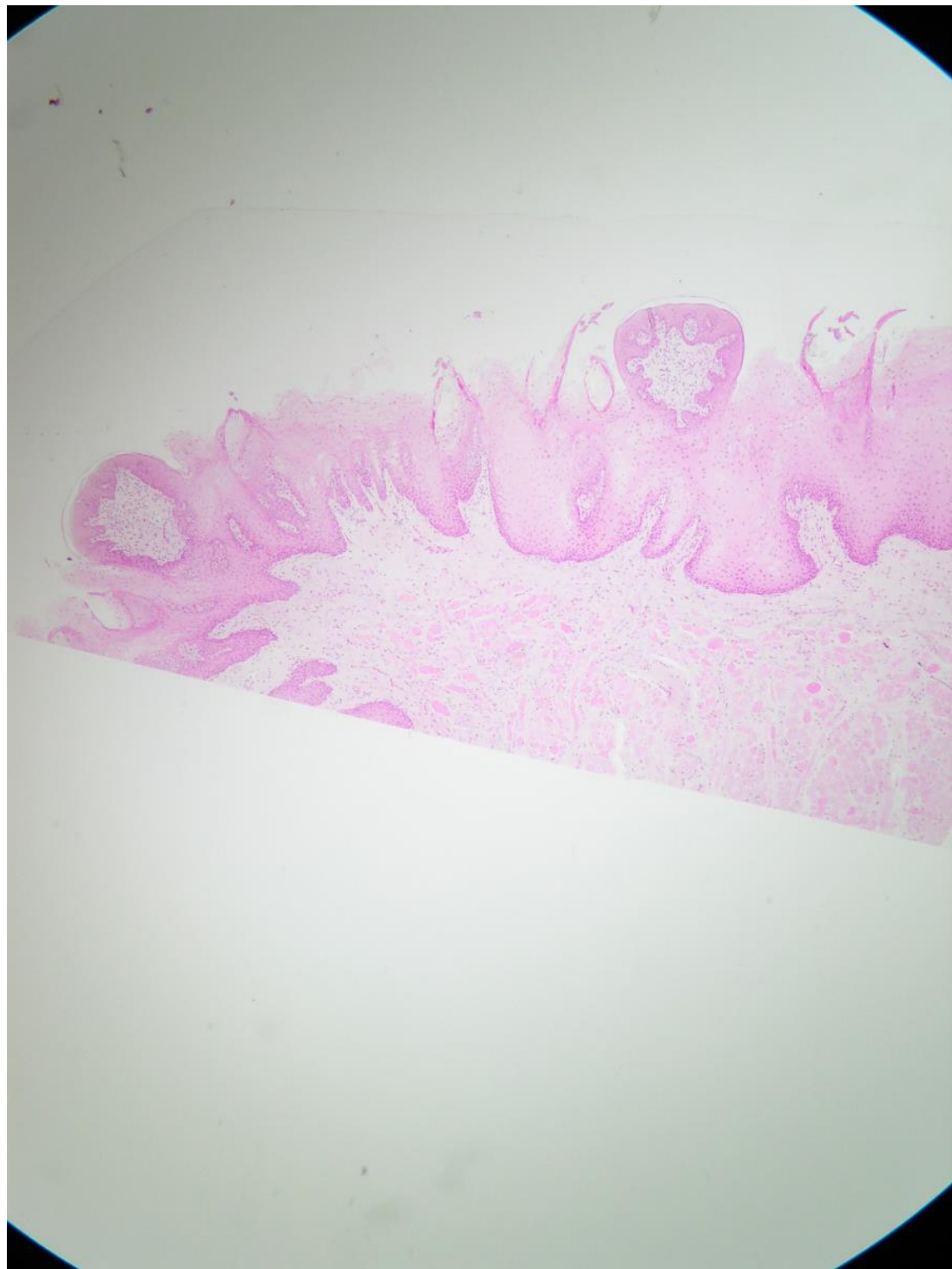
Skeletal muscle (beneath Filiform Papillae)



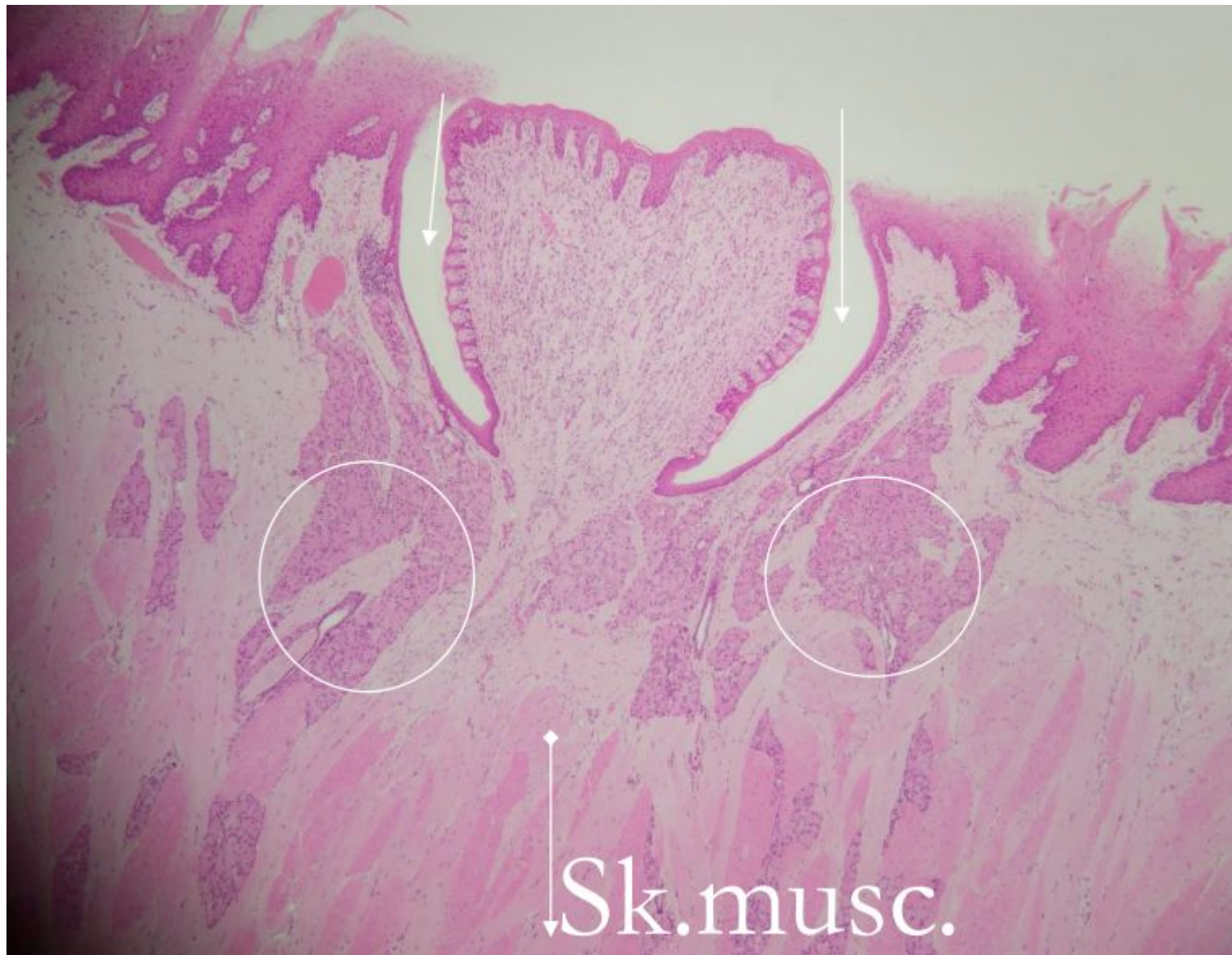
Filiform Papillae



Filiform Papillae

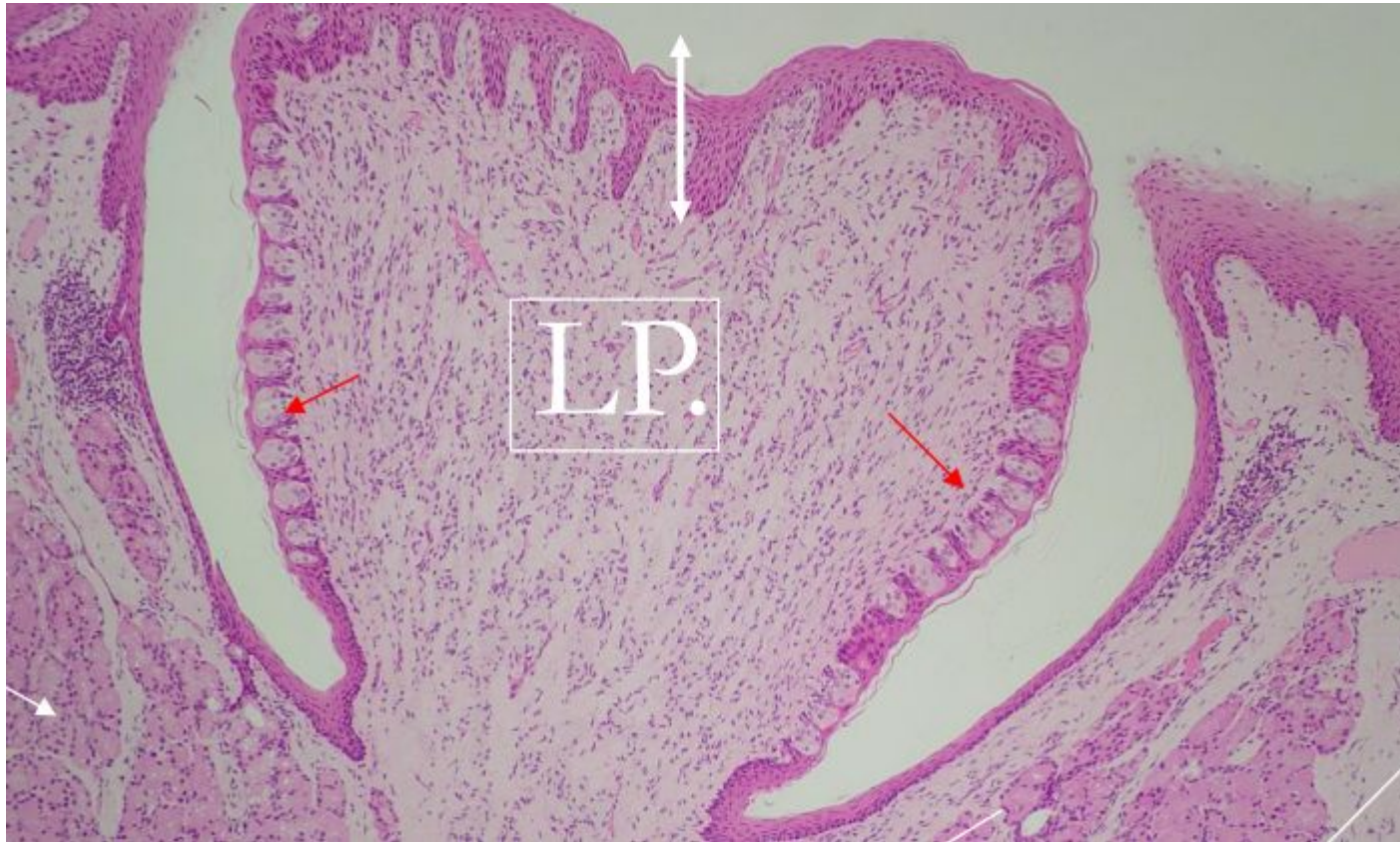


Fungiform papilla



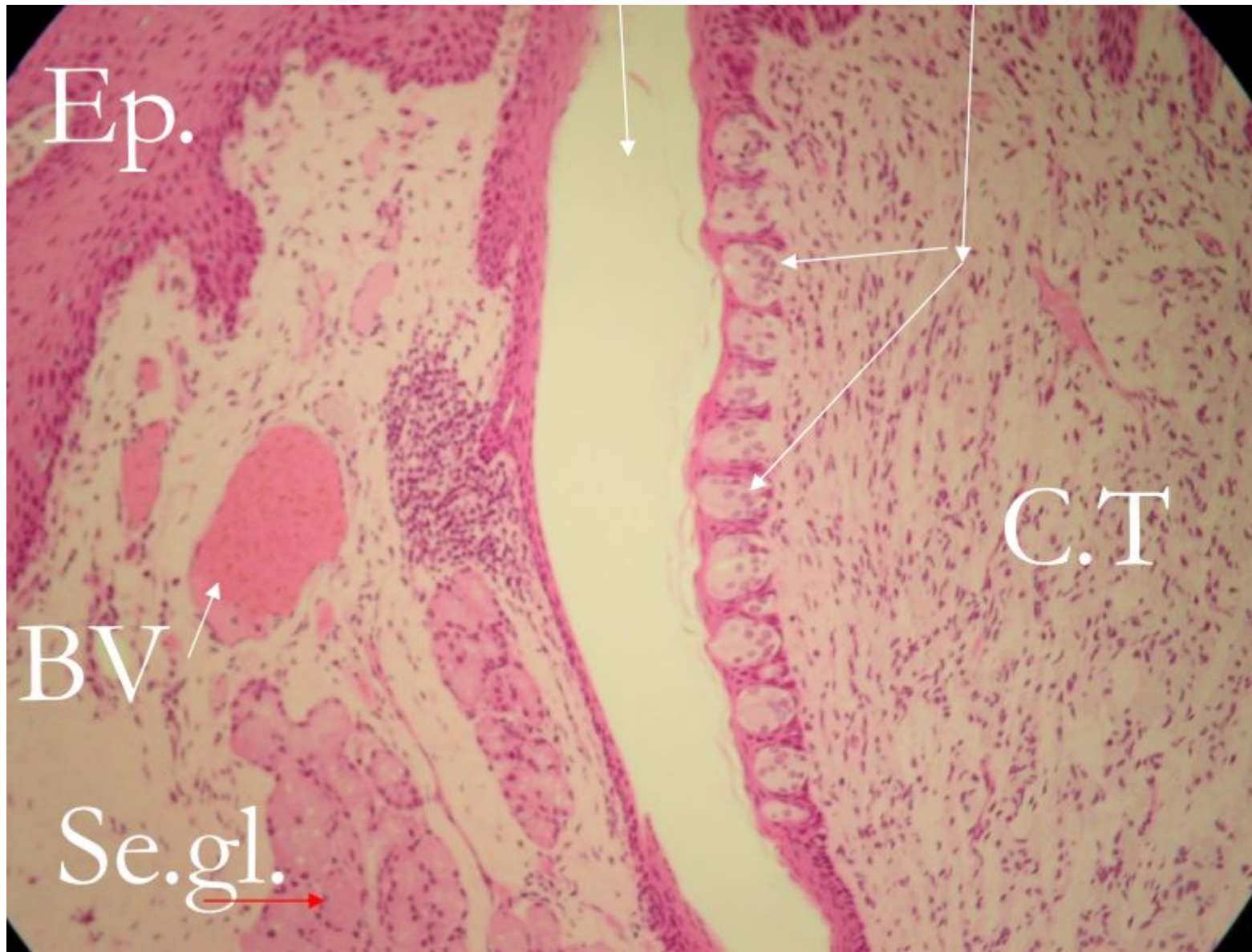
Circumvallate Papilla sulcus=groove,,
glands circled

Vonlbner's



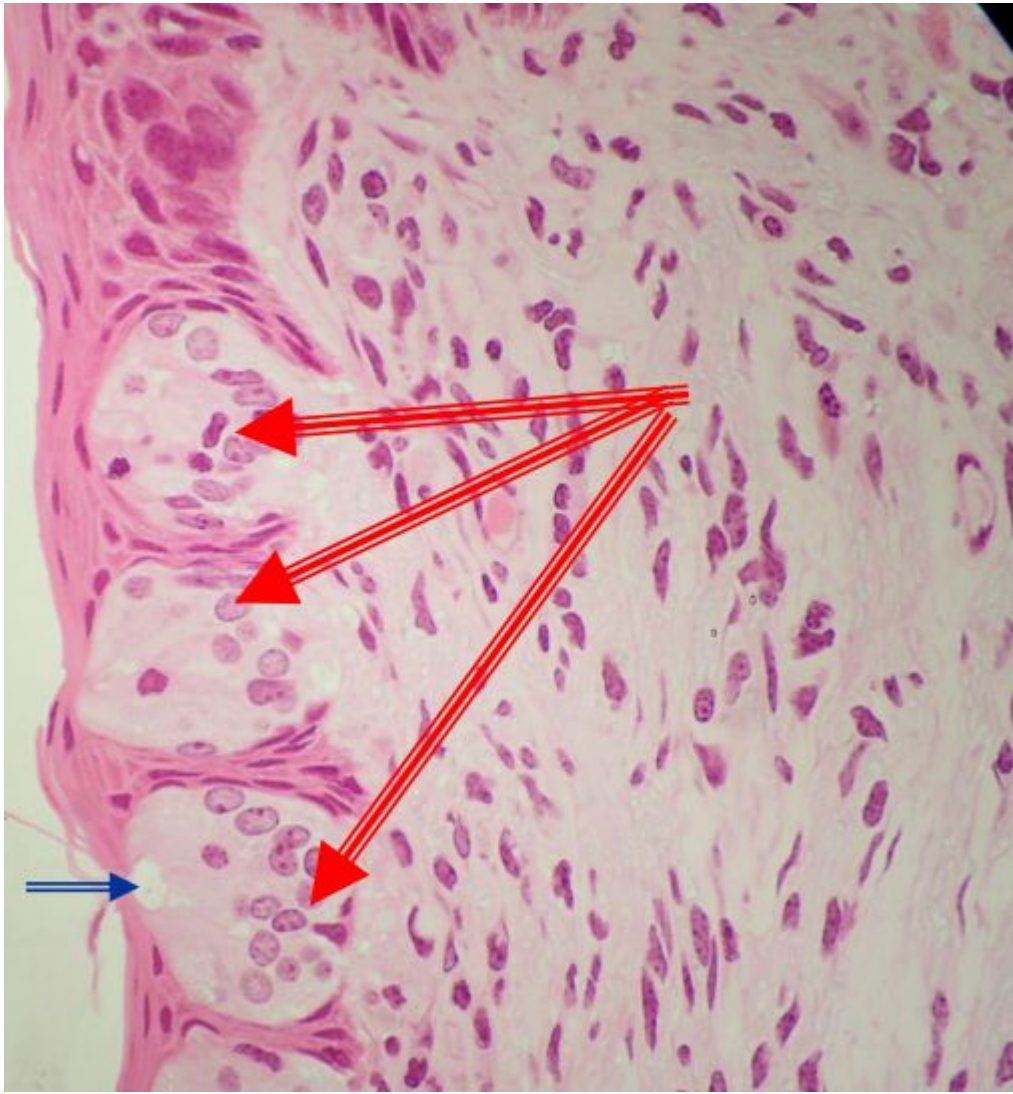
Red arrow?

Taste Bud



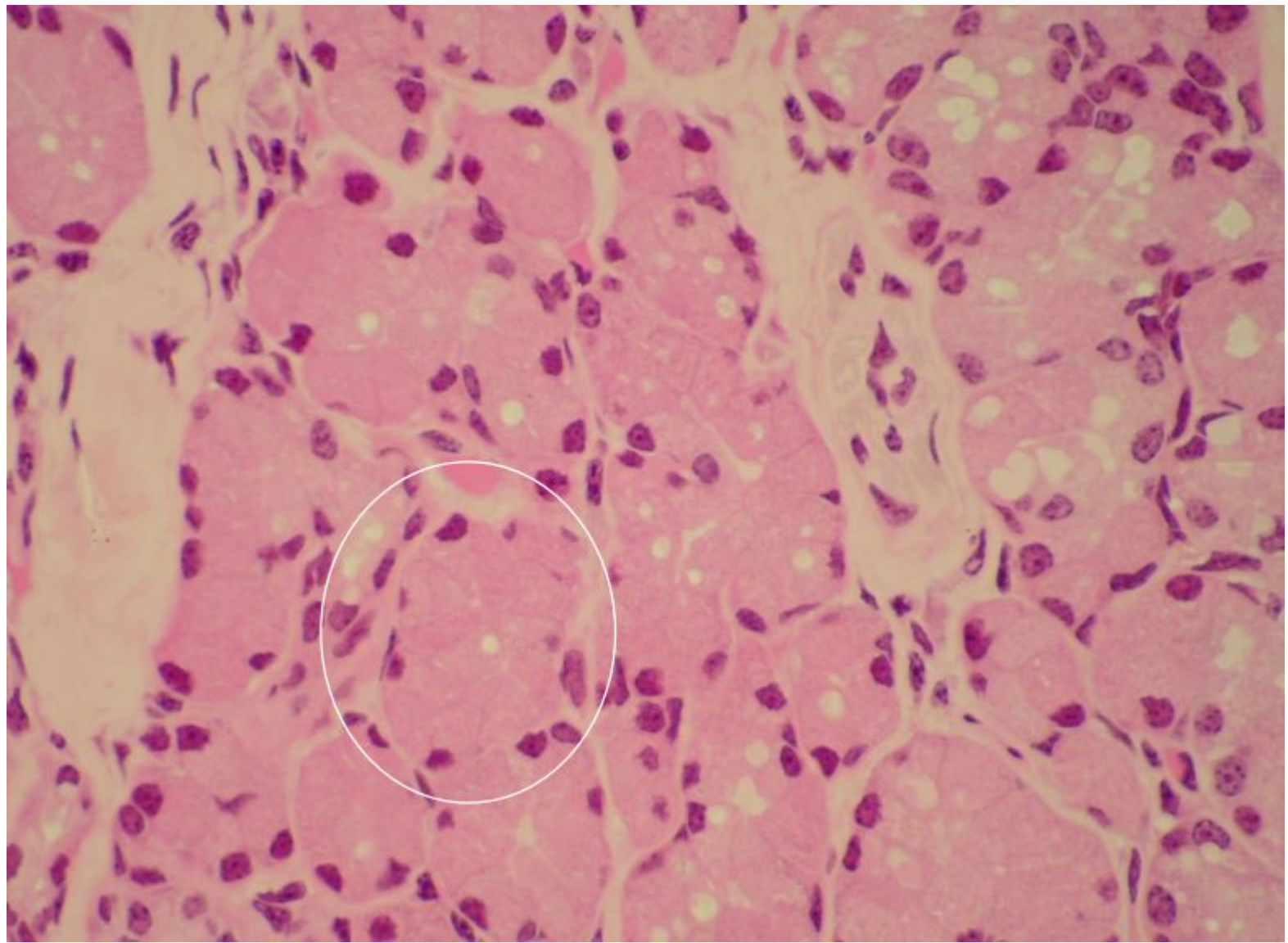
Middle Arrow: Suclus

Right Arrow: Taste Buds

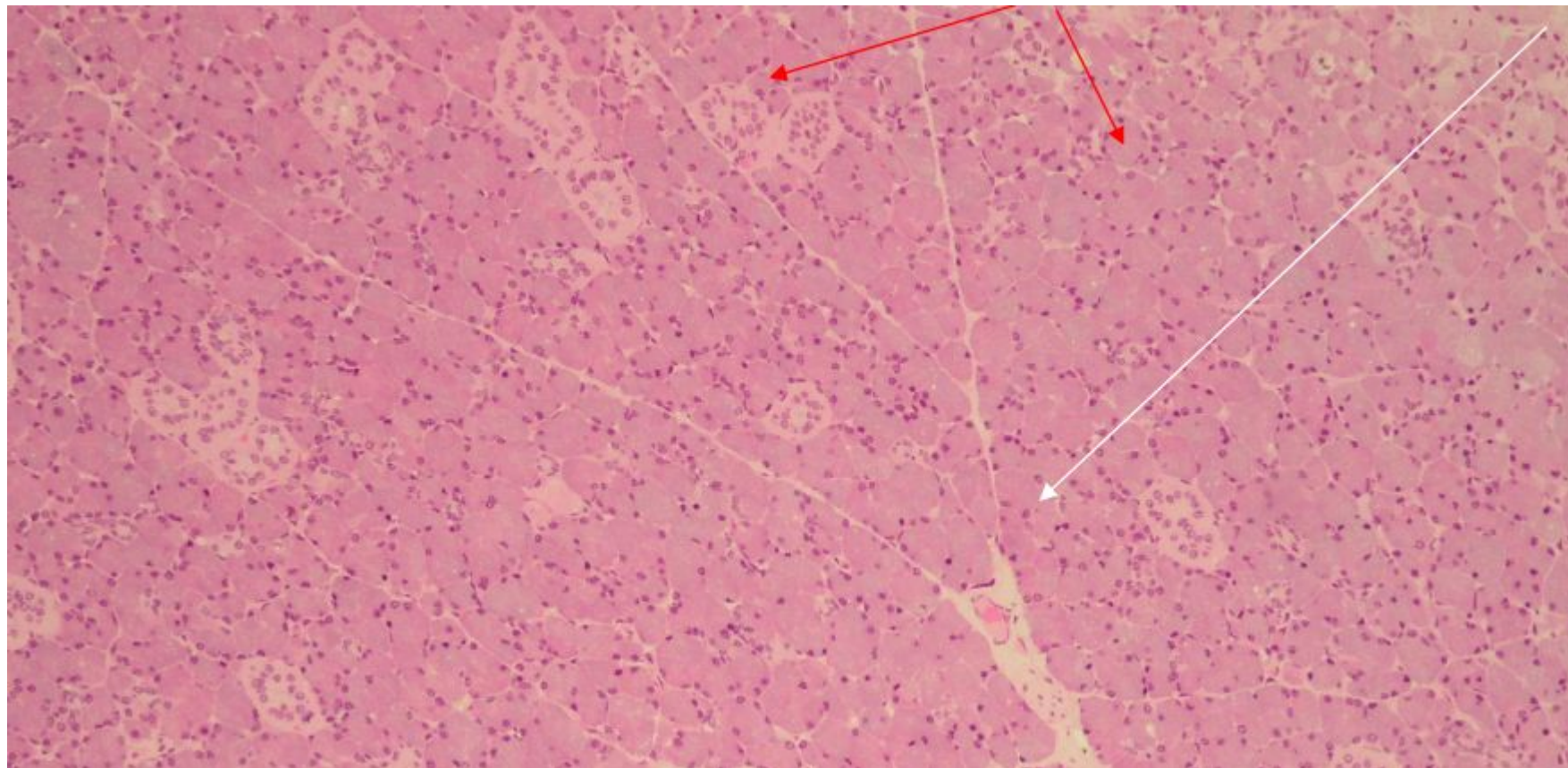


Blue: Pore

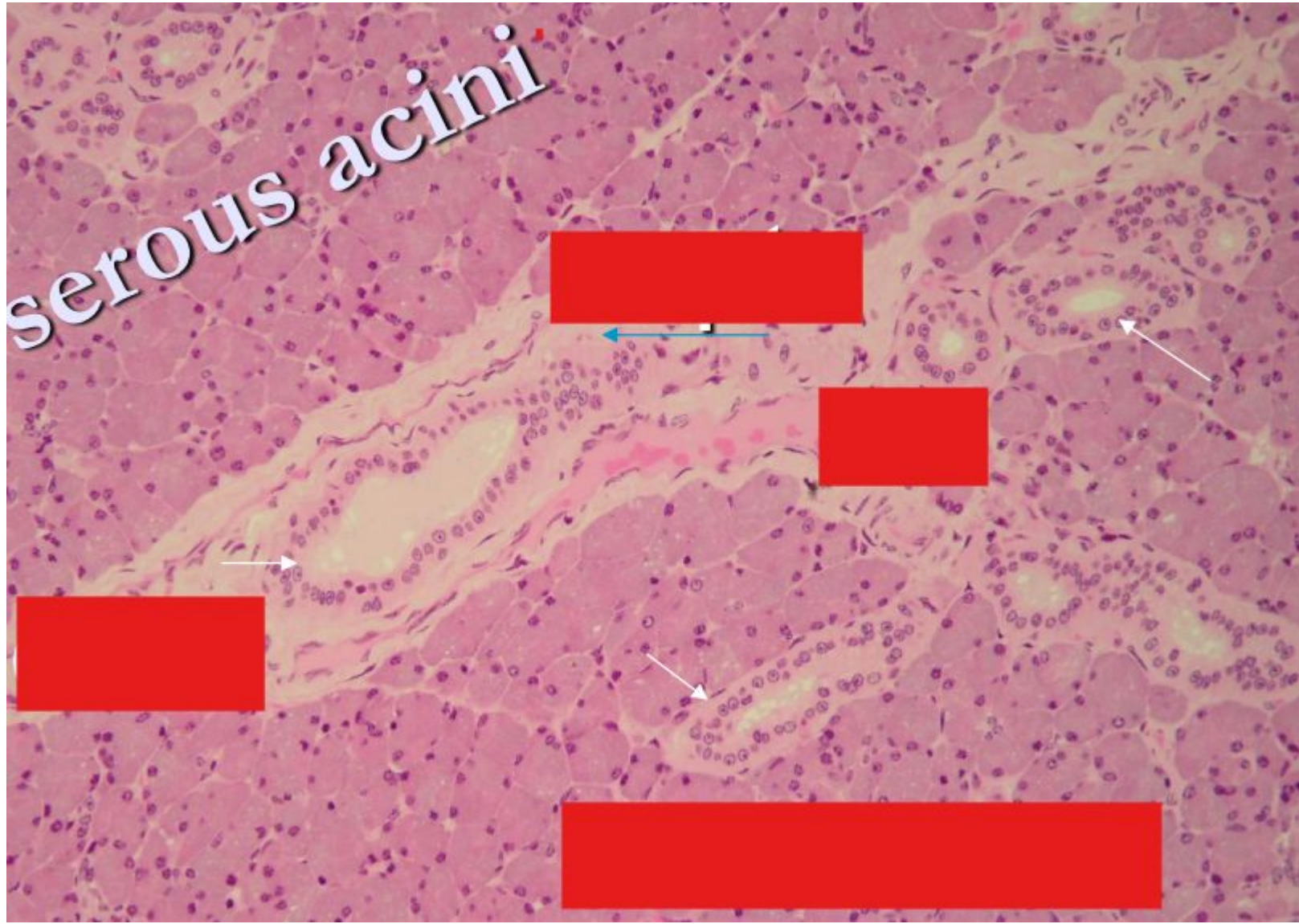
Red: Taste Buds



Serous acinus

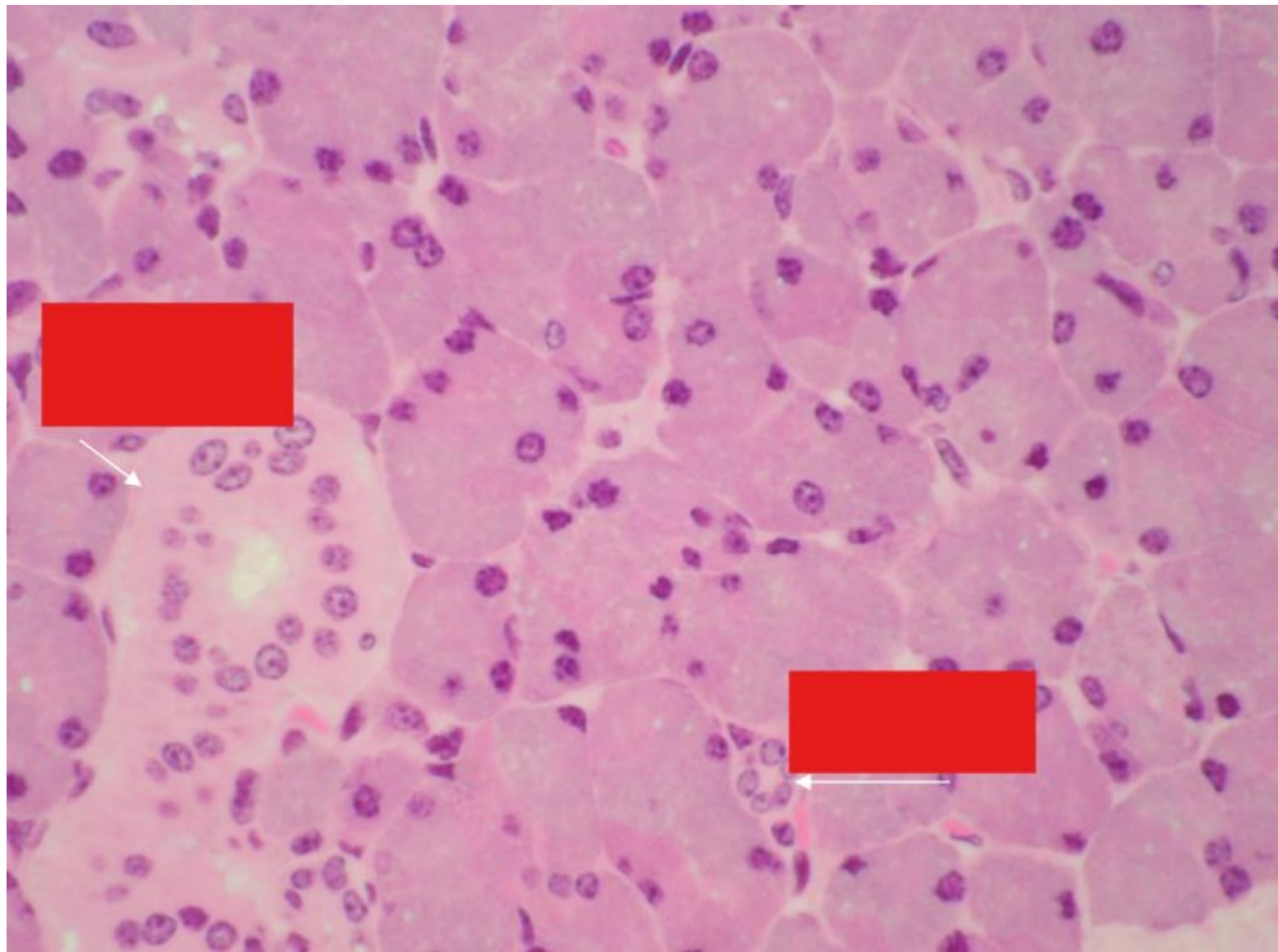


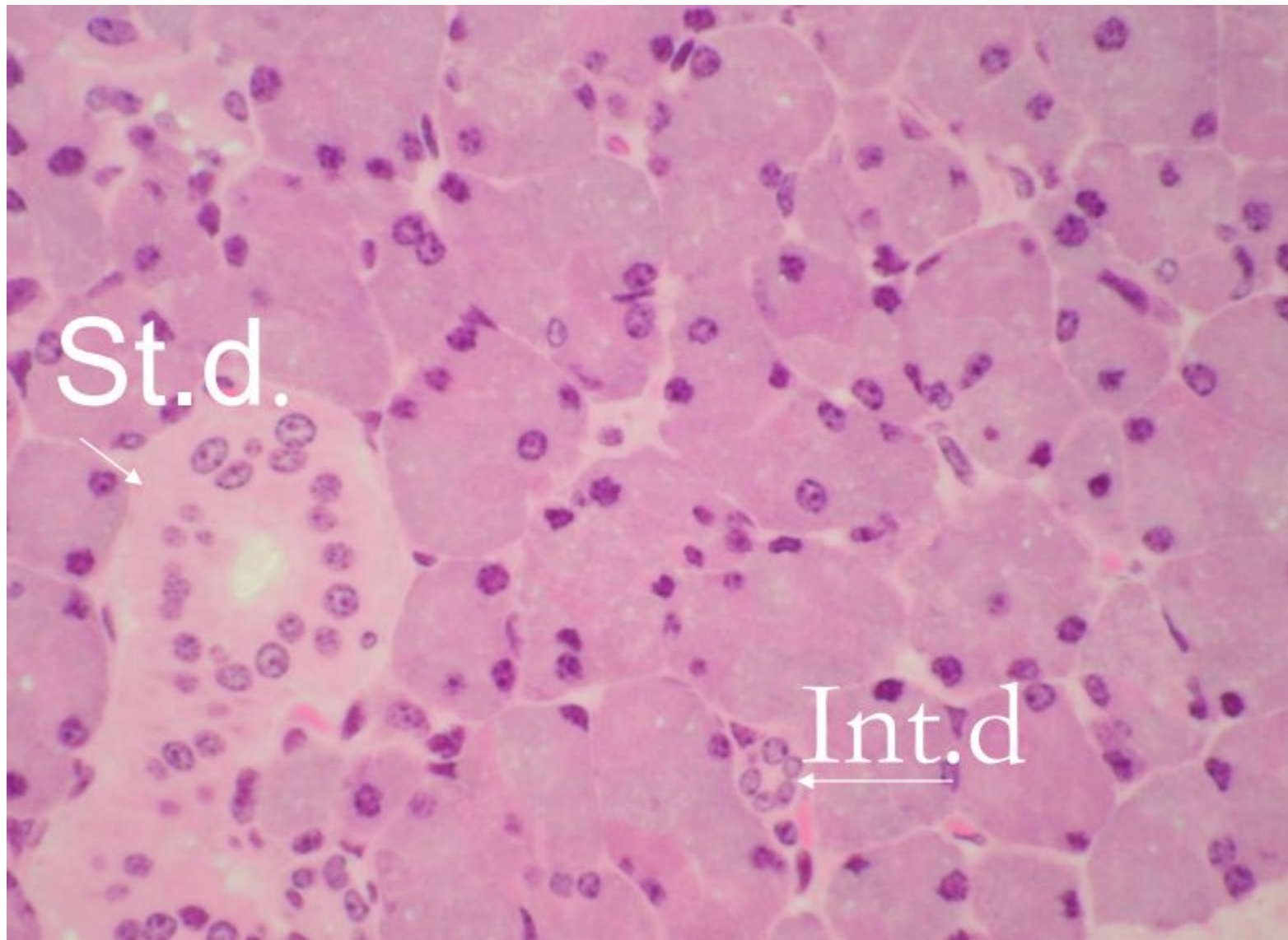
Parotid Gland : divided into lobules by septa



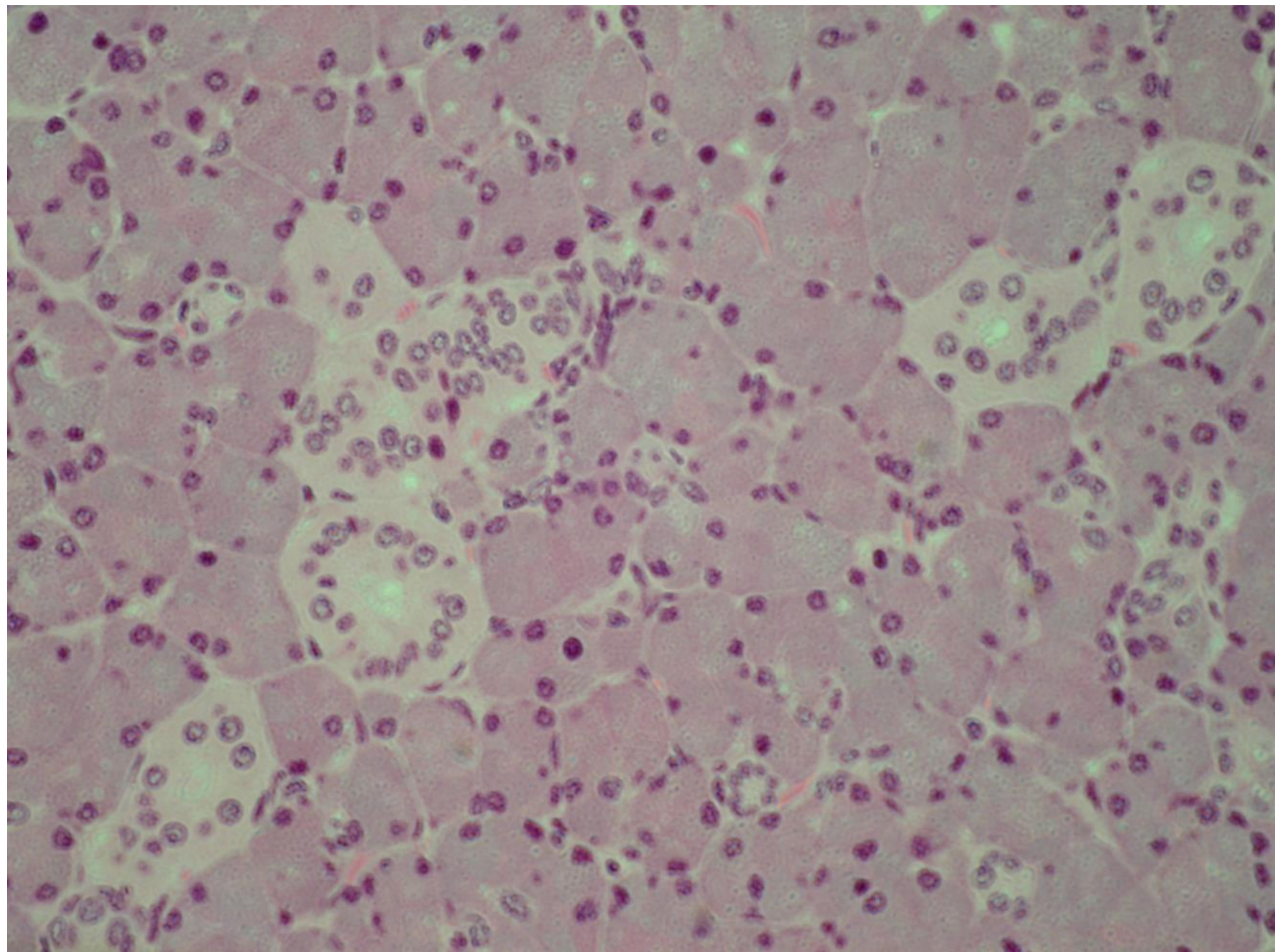


Parotid Gland

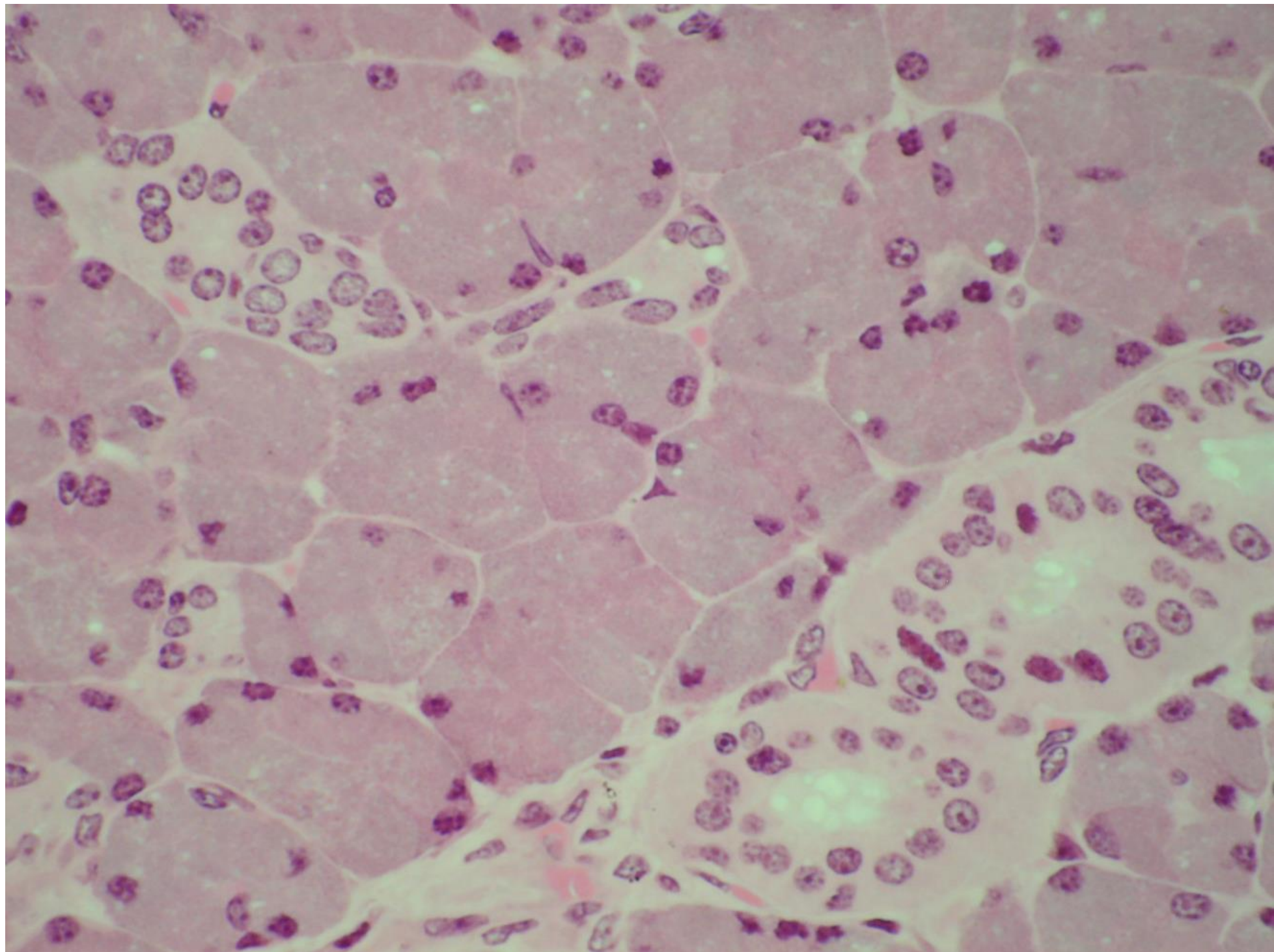




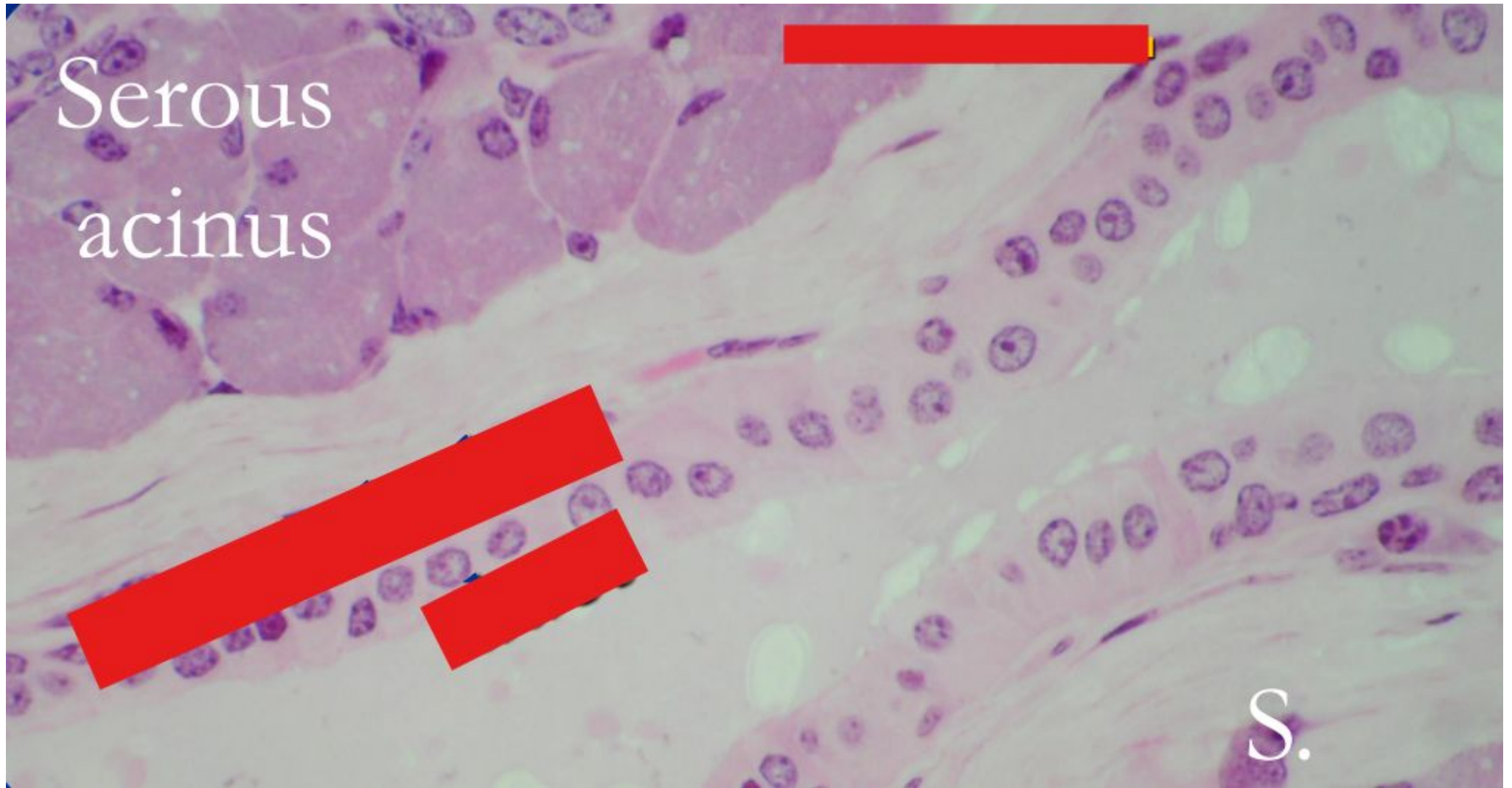
Striated&intercalated (Intralobular duct)



Striated&intercalated (Intralobular duct)



Striated&intercalated (Intralobular duct)



Serous
acinus

S.

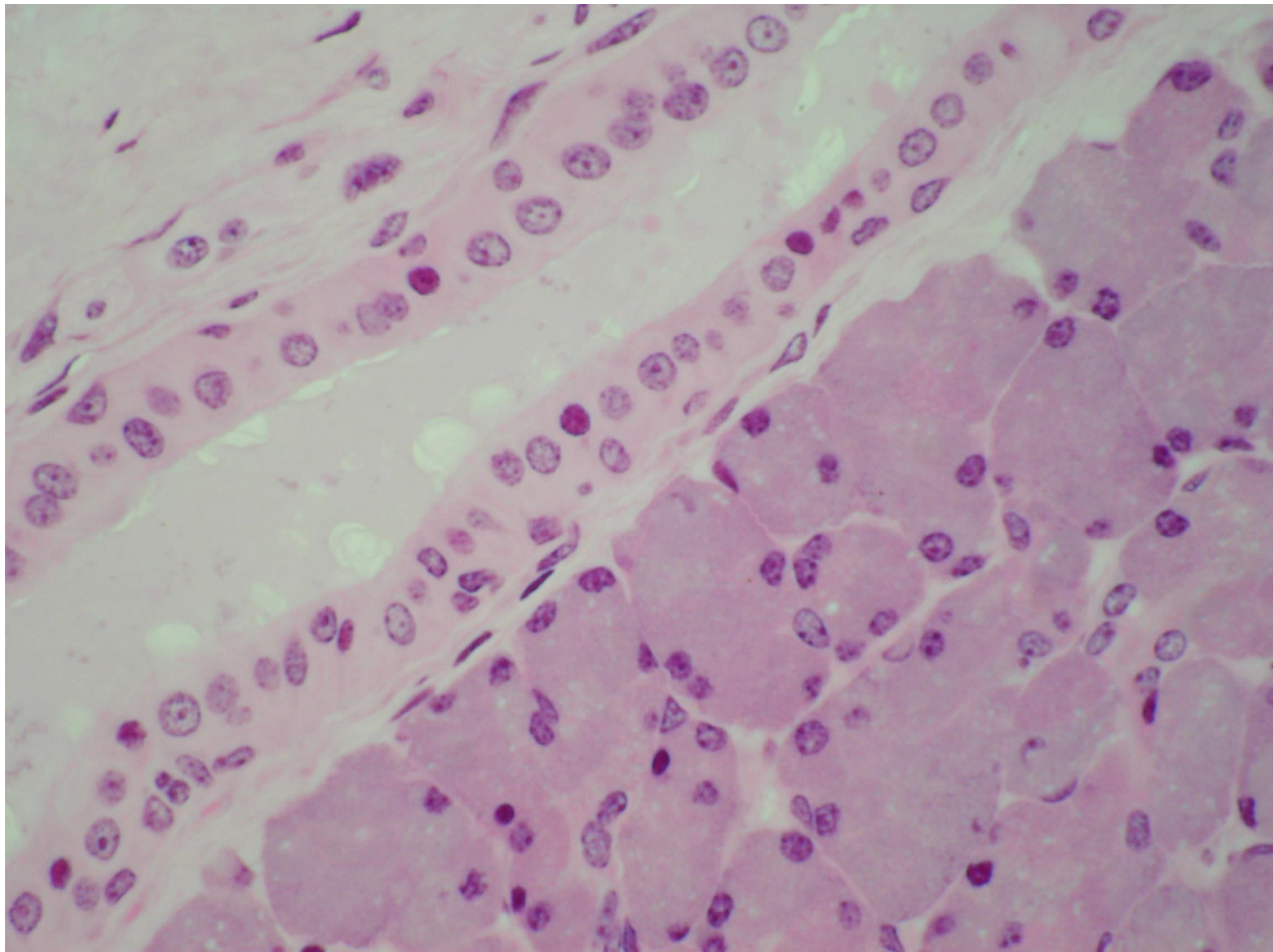


Serous
acinus

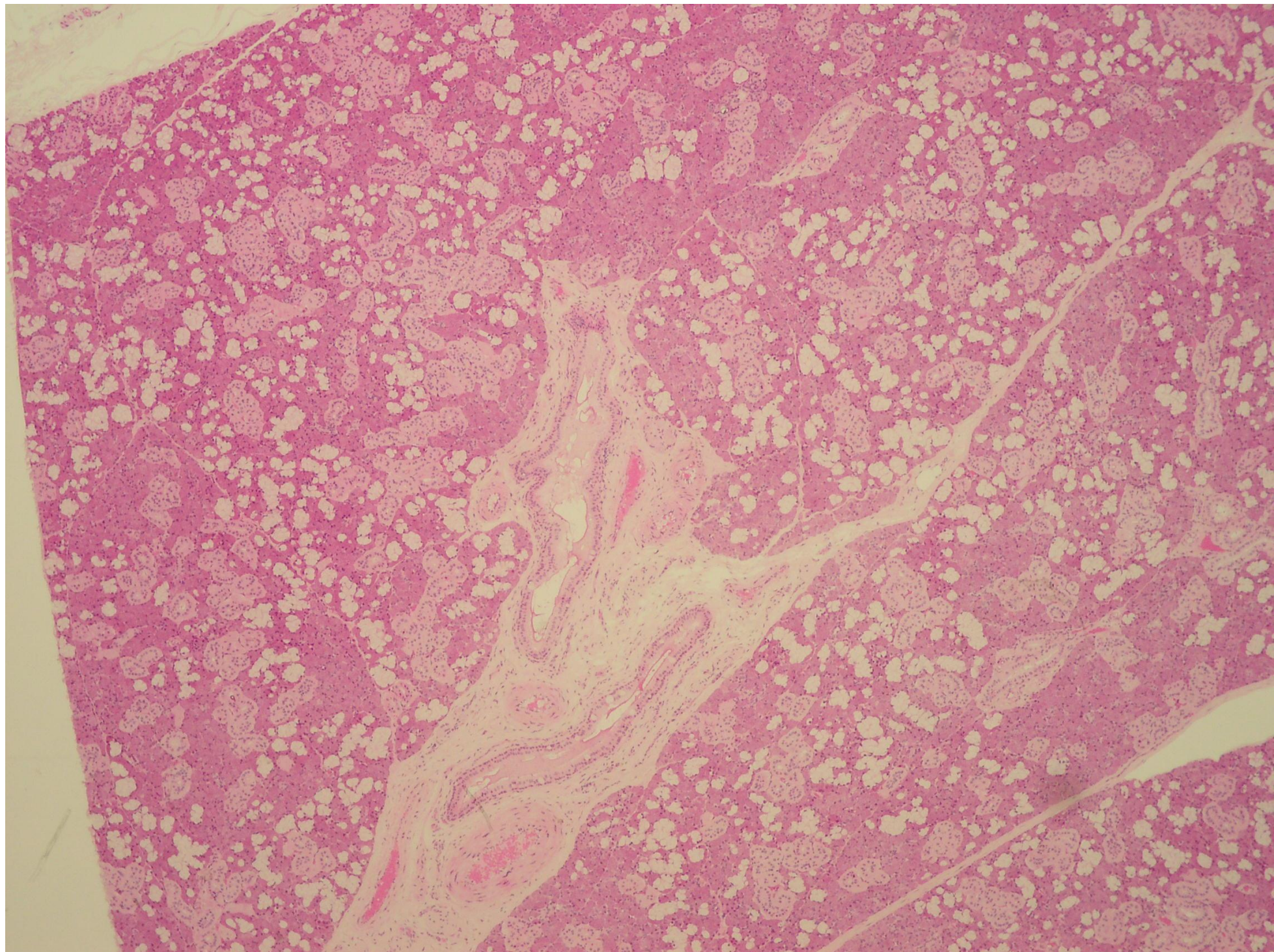
Interlobular duct ■

Interlobular
duct

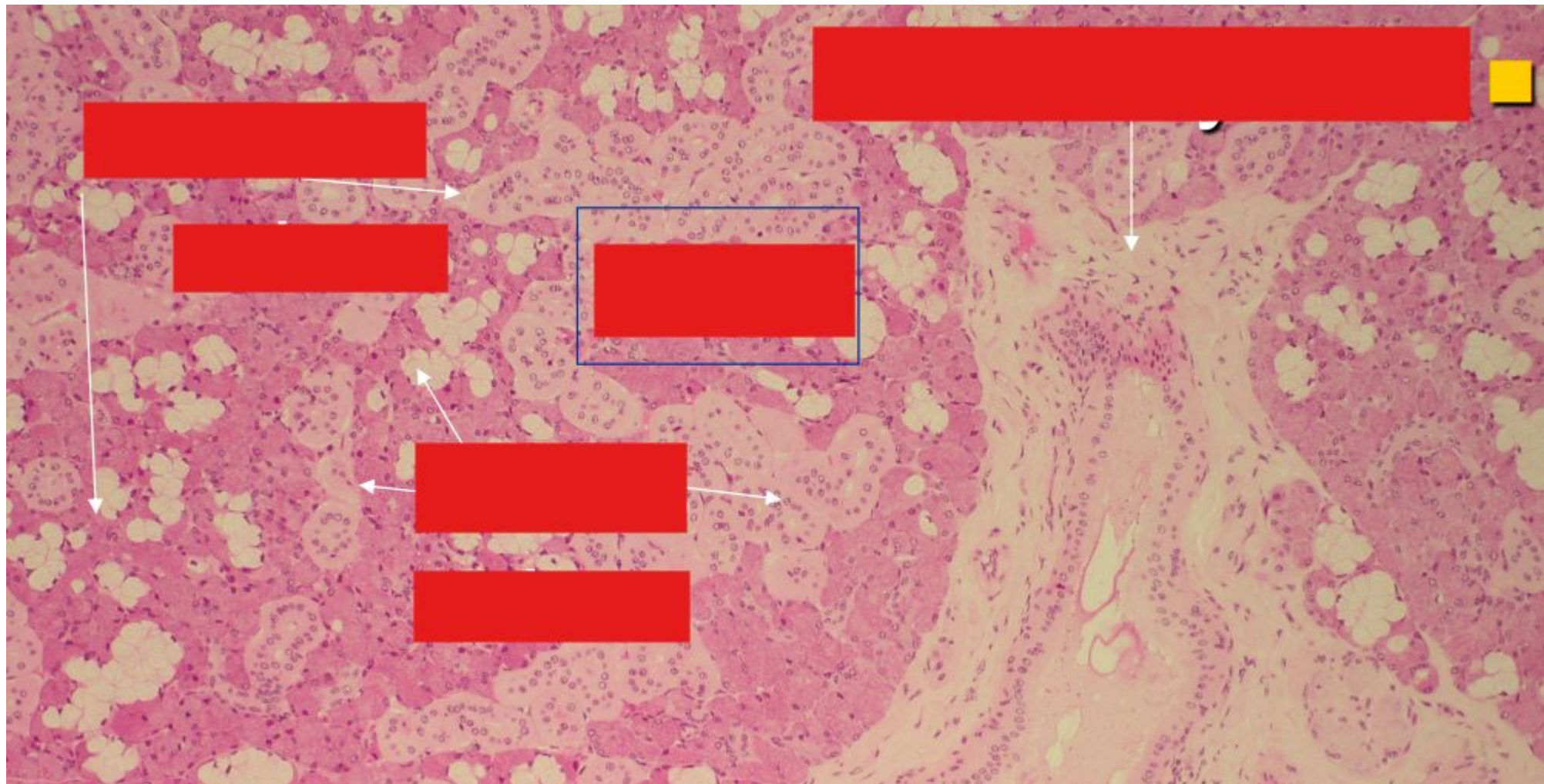
S.

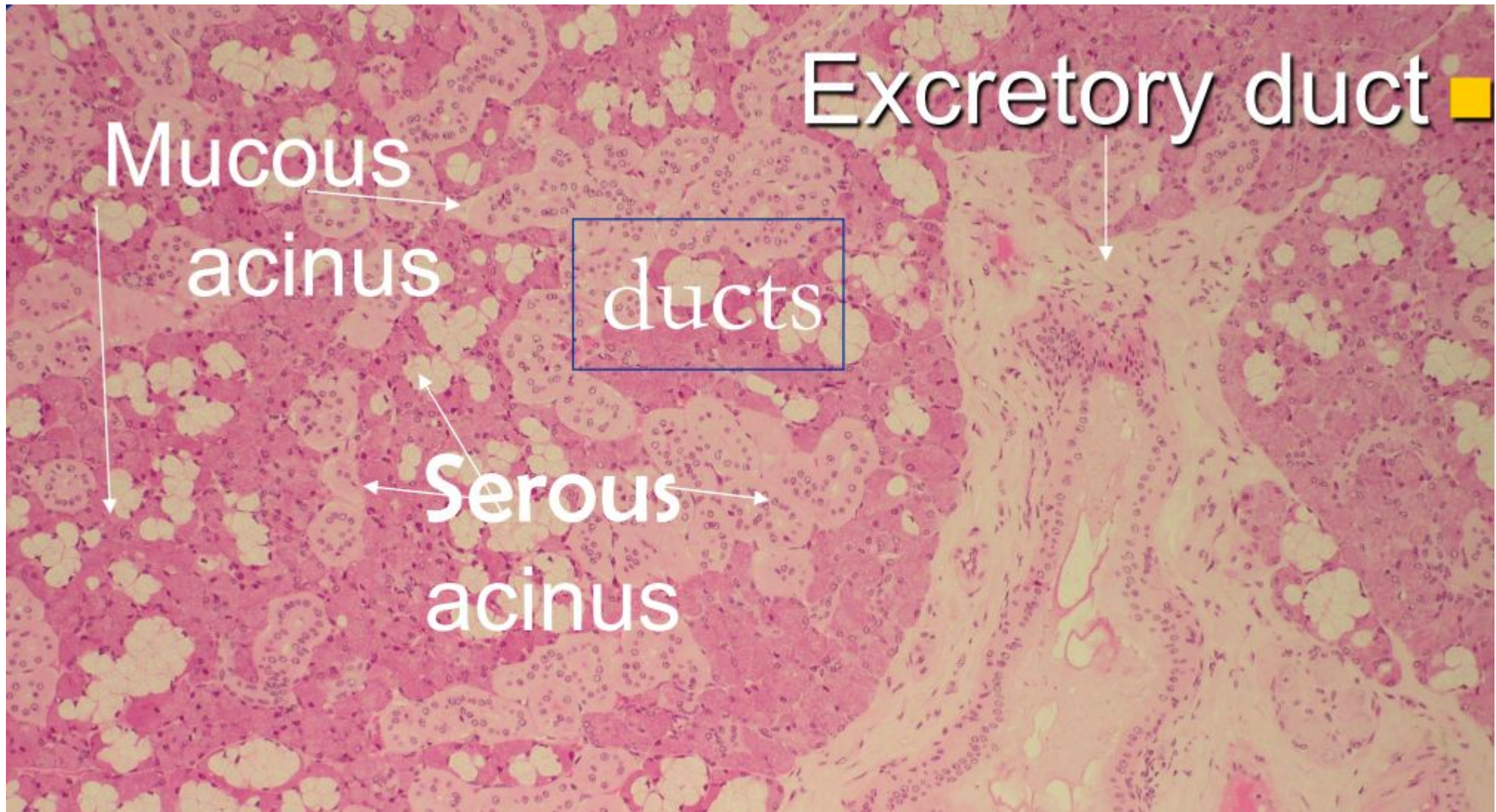


Interlobular duct

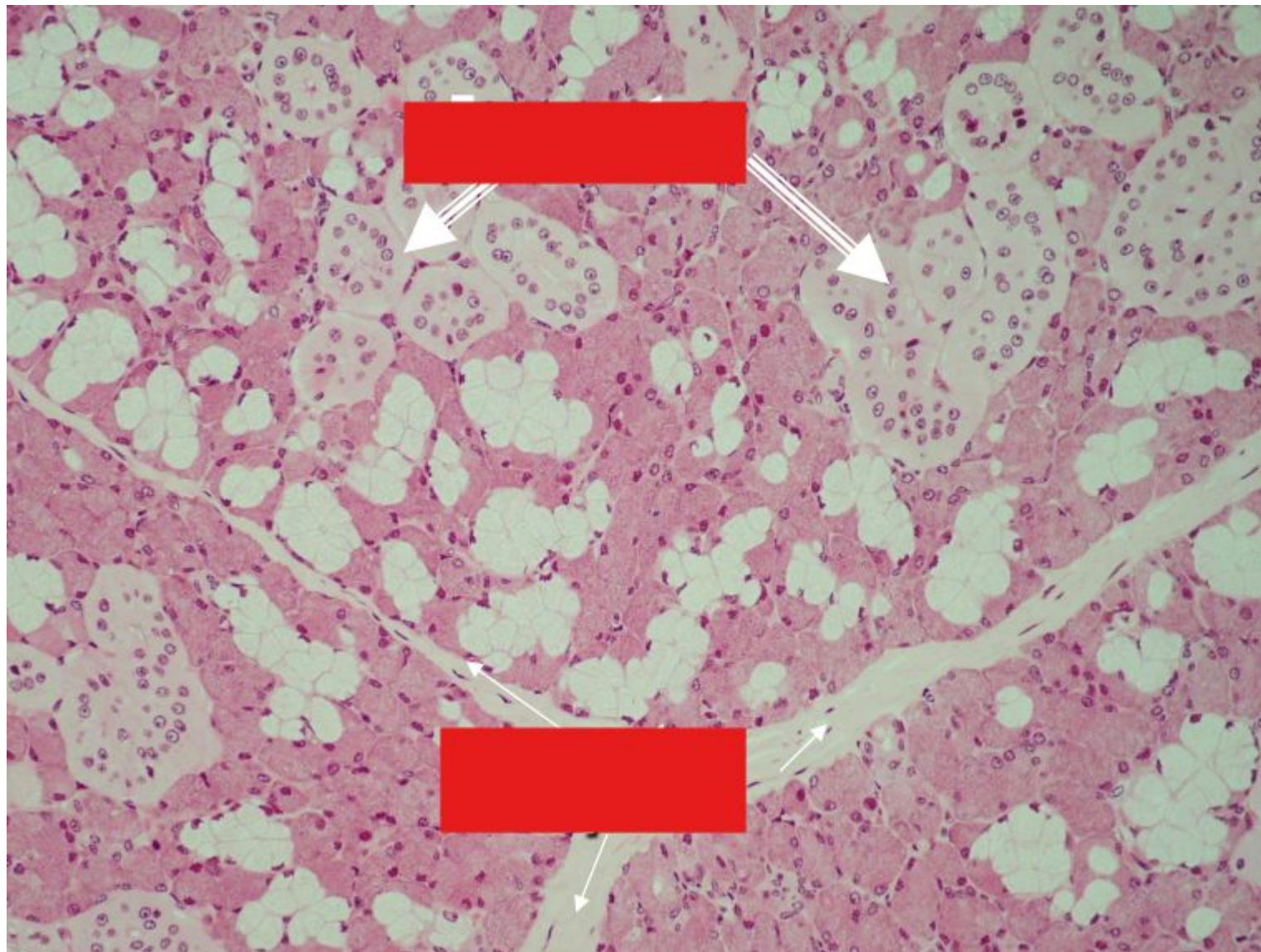


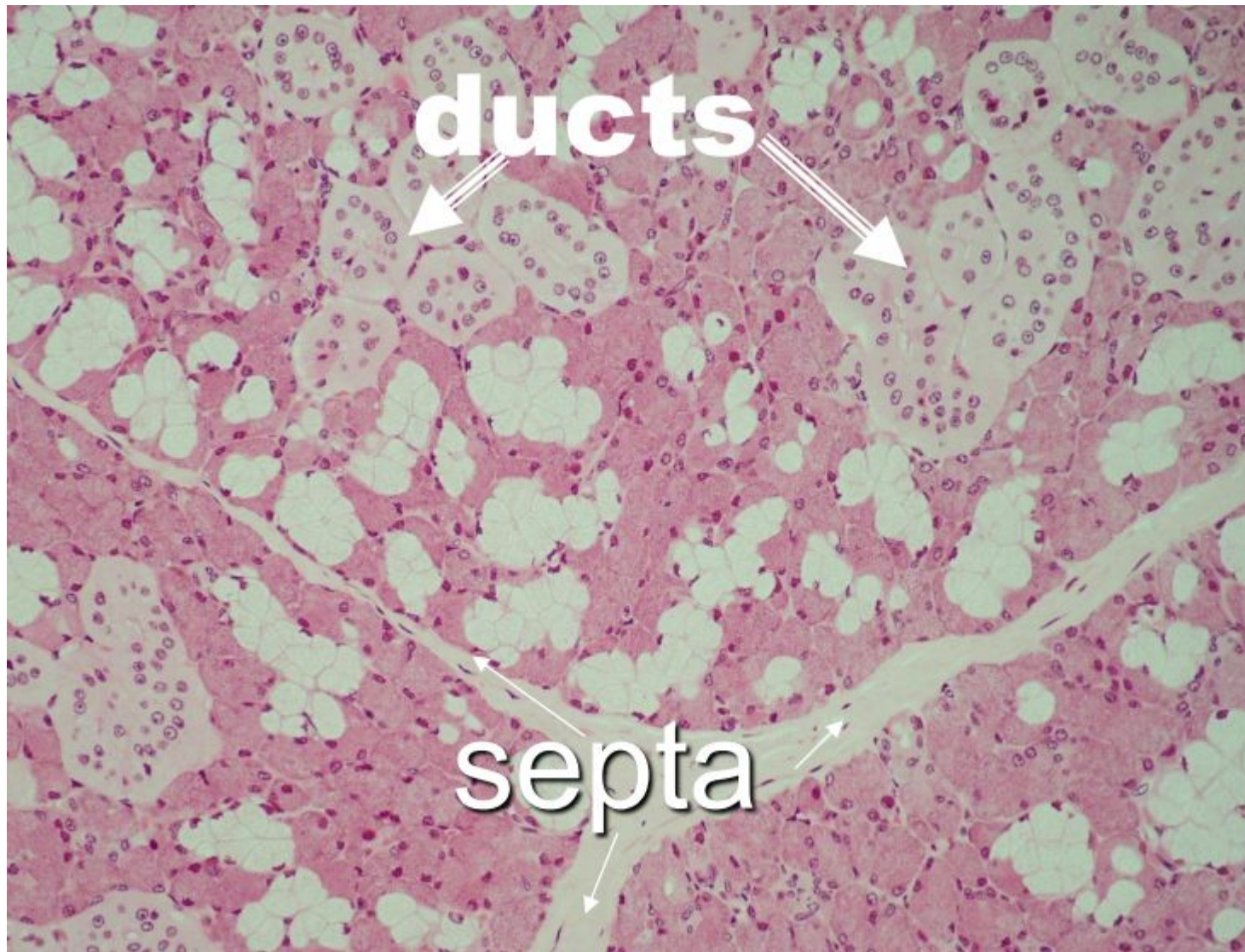
Submandibular Gland



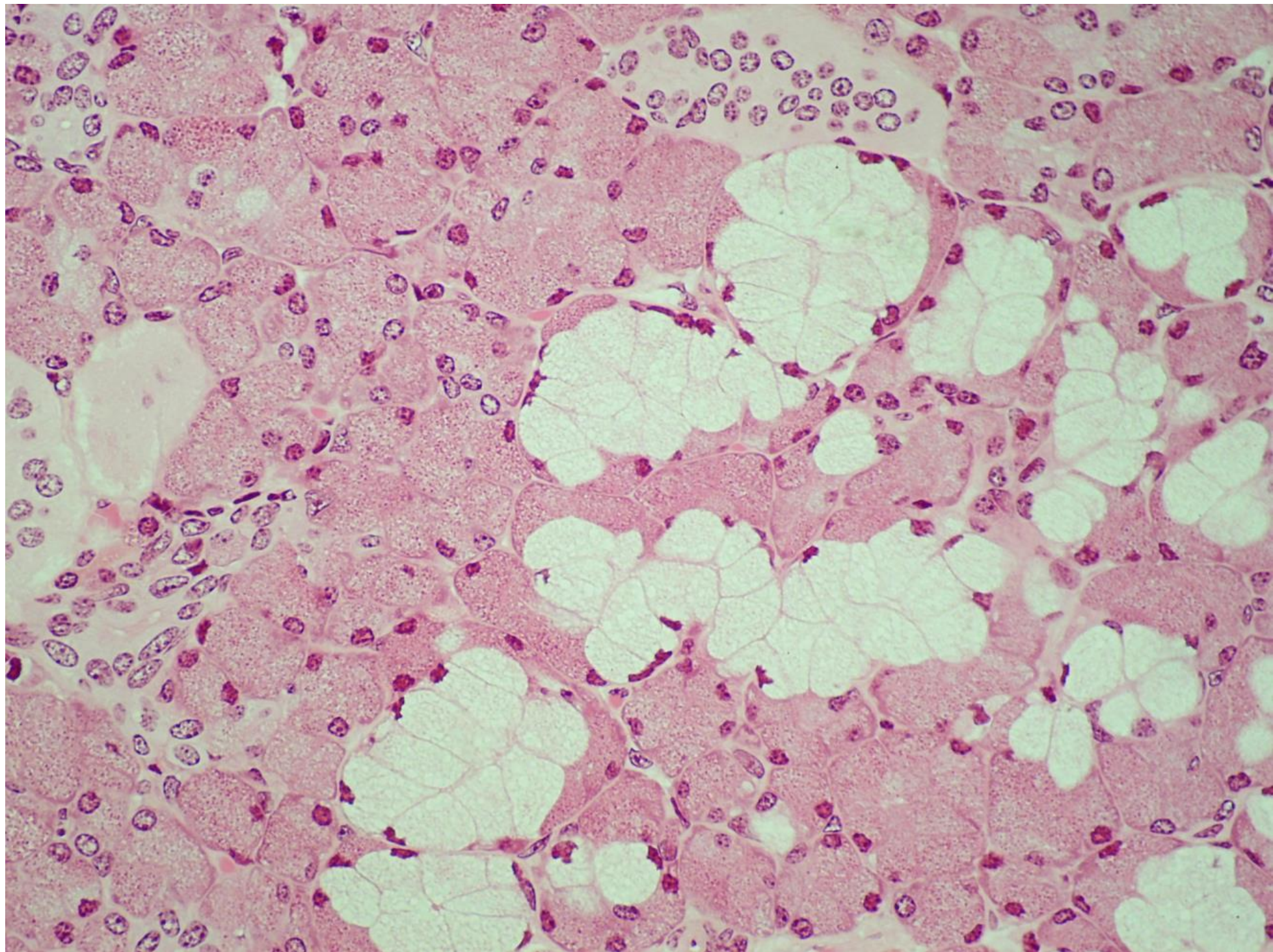


Seromucous gland (mixed)

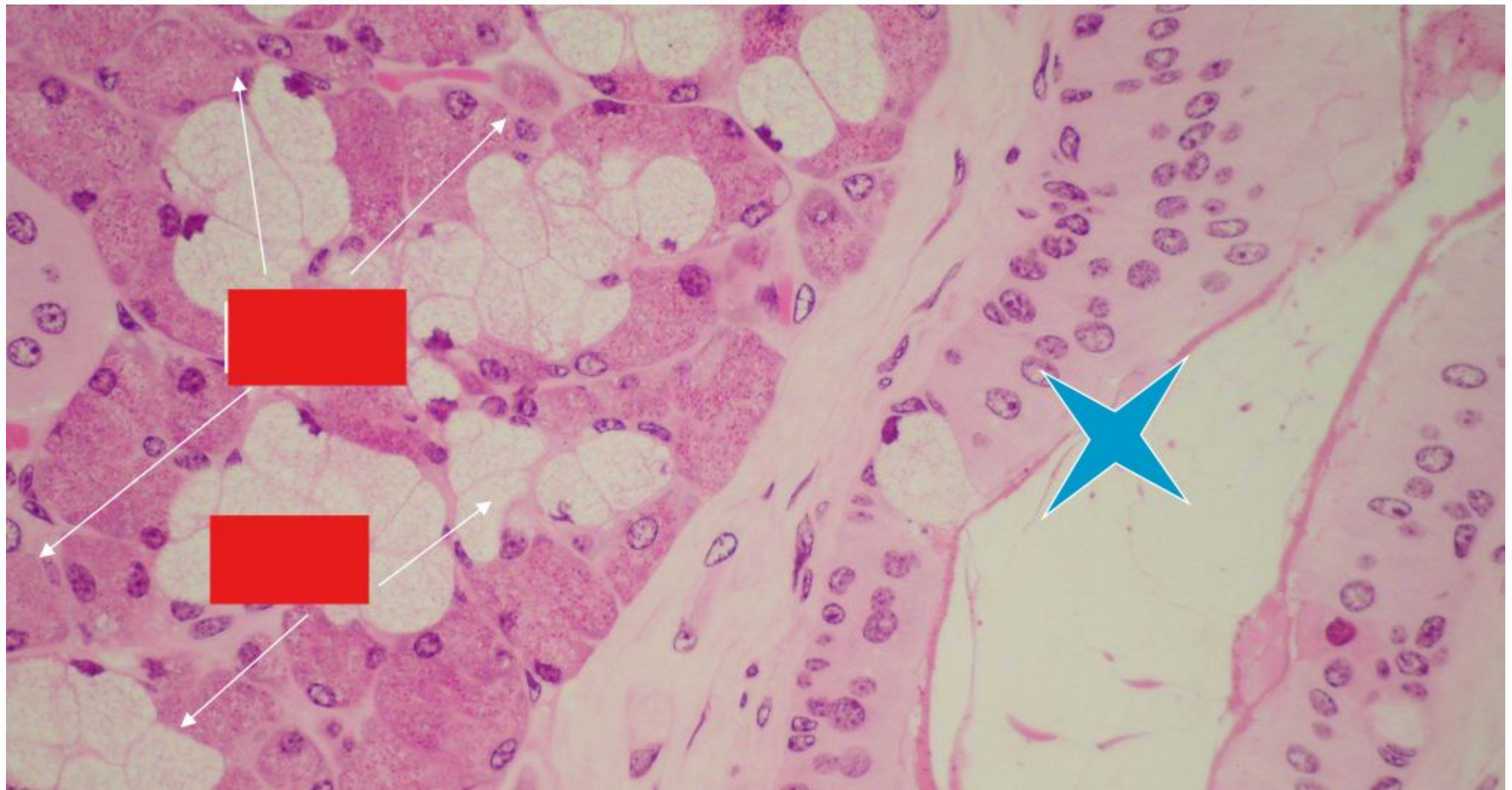


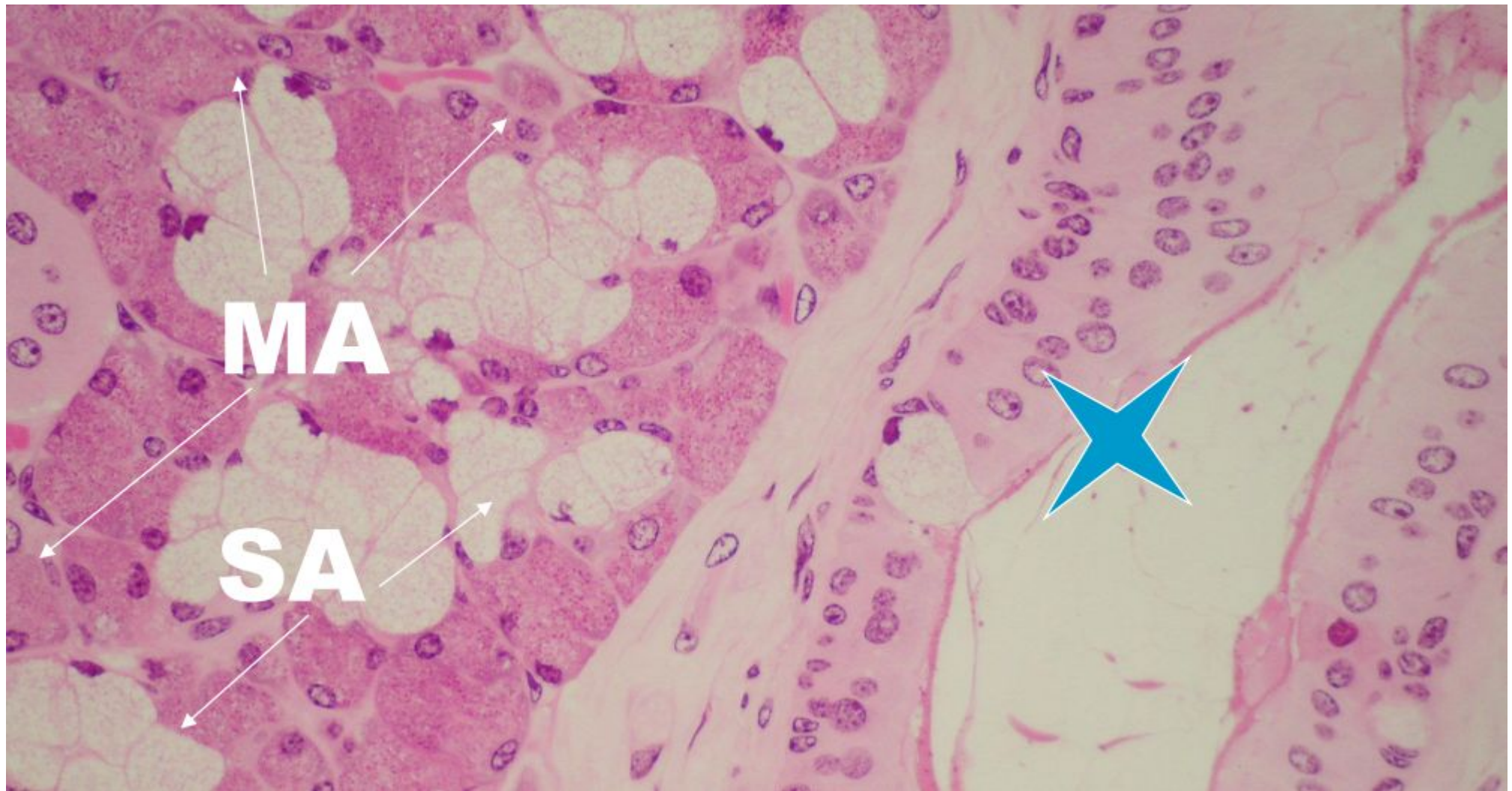


Submandibular Gland

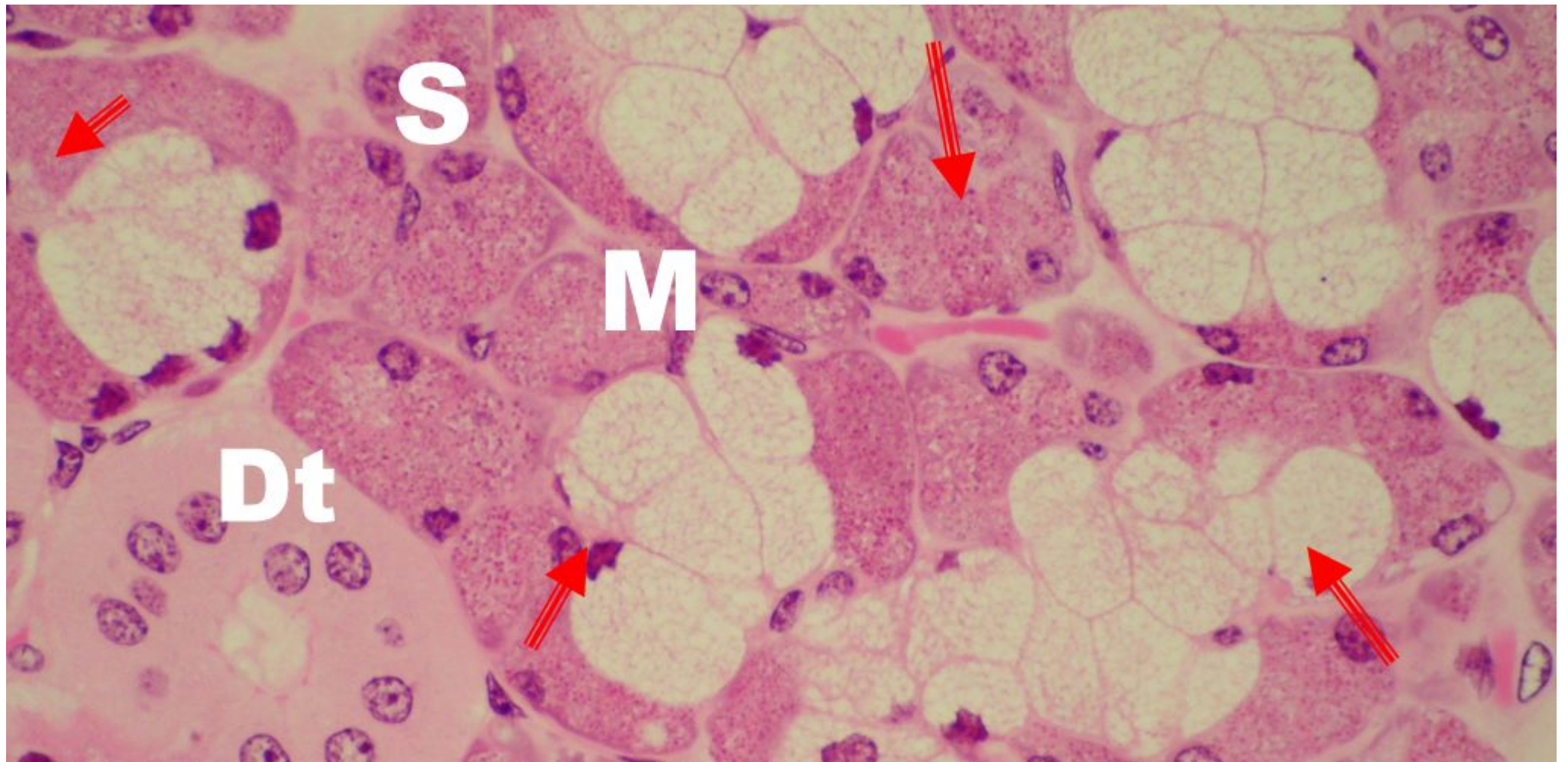


Submandibular gland

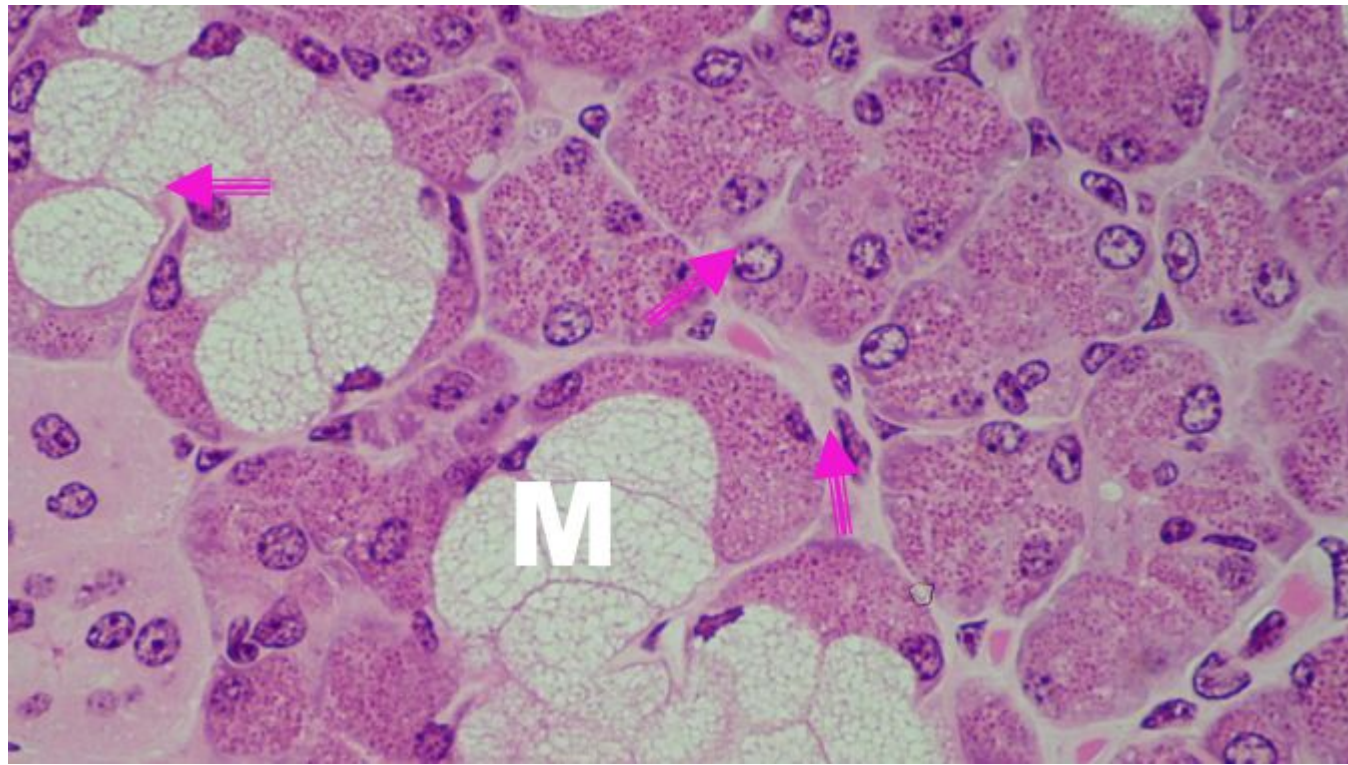




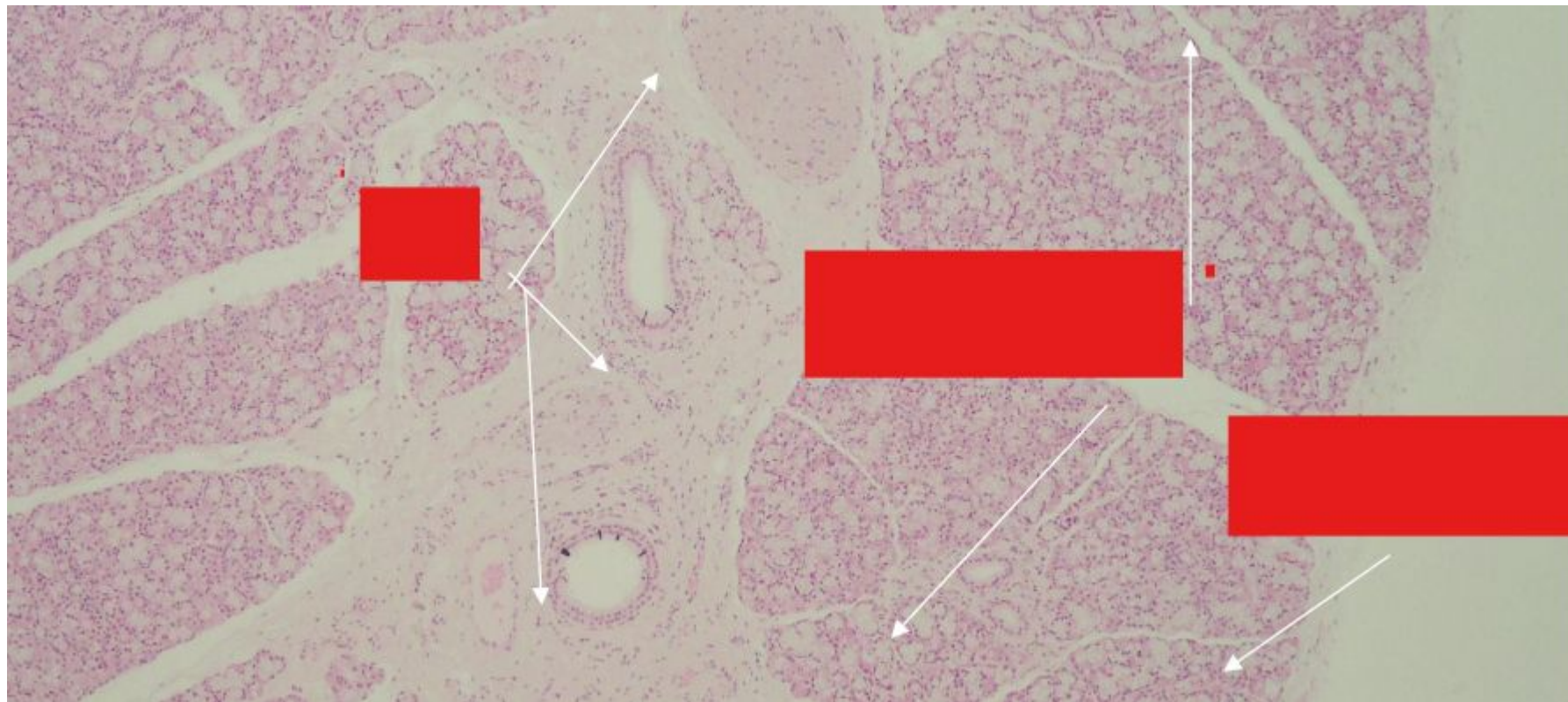
Blue star: Septum

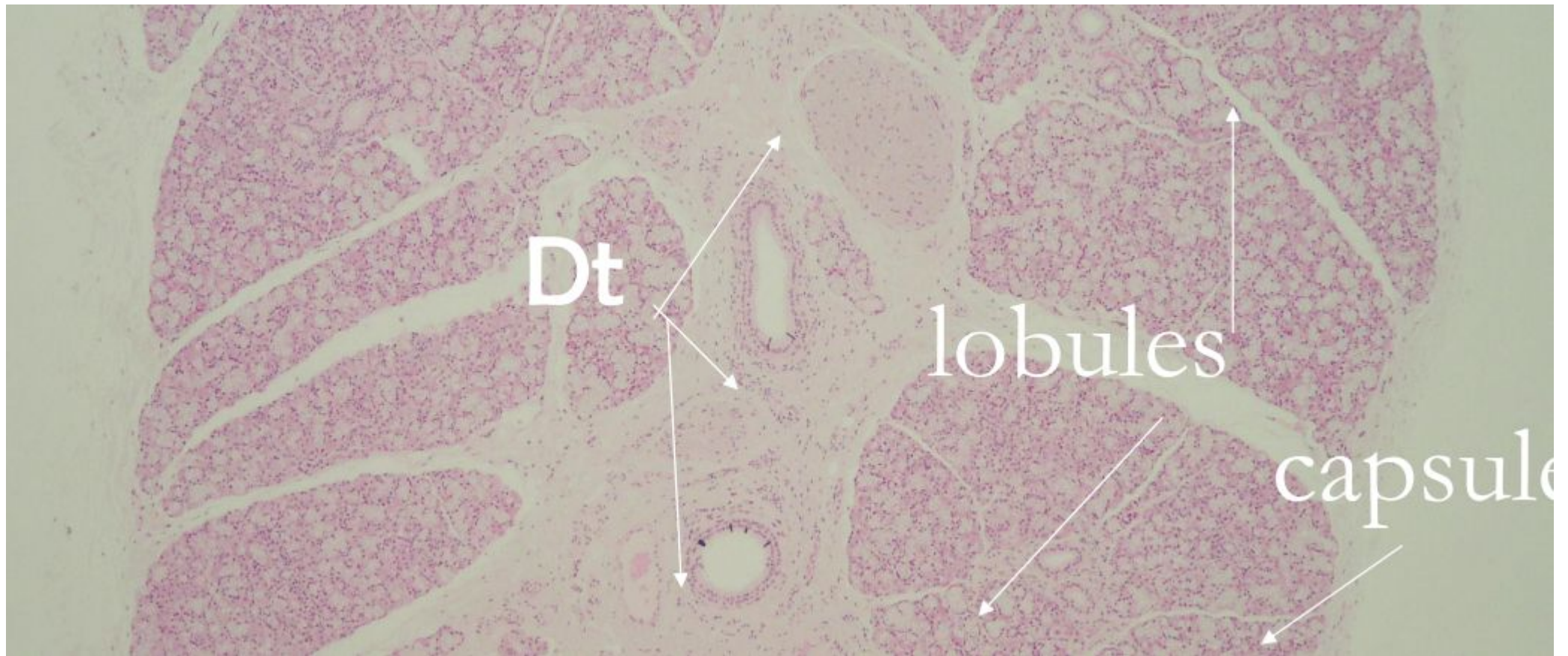


Serous demilunes

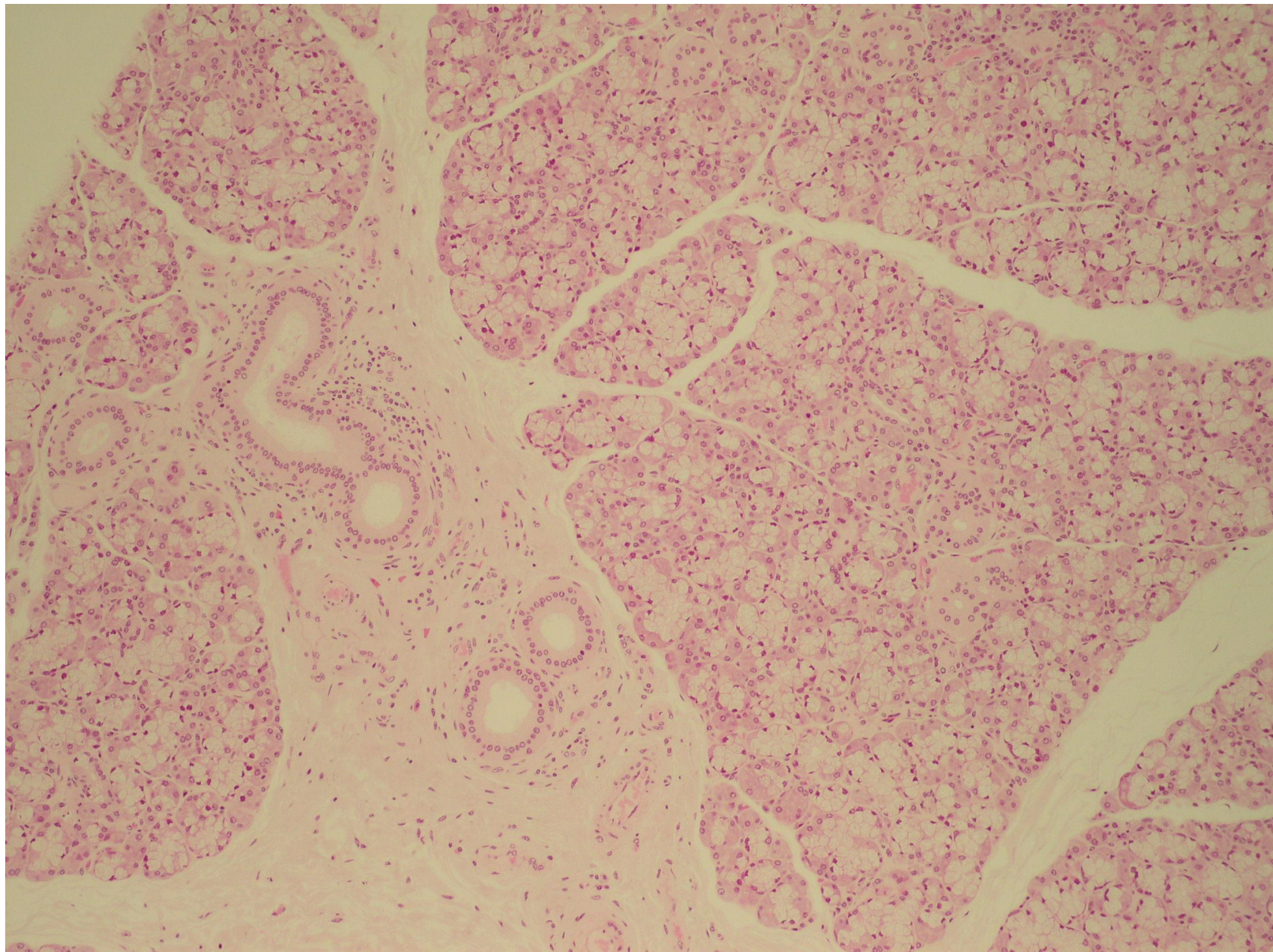


Purple: Serous demilunes

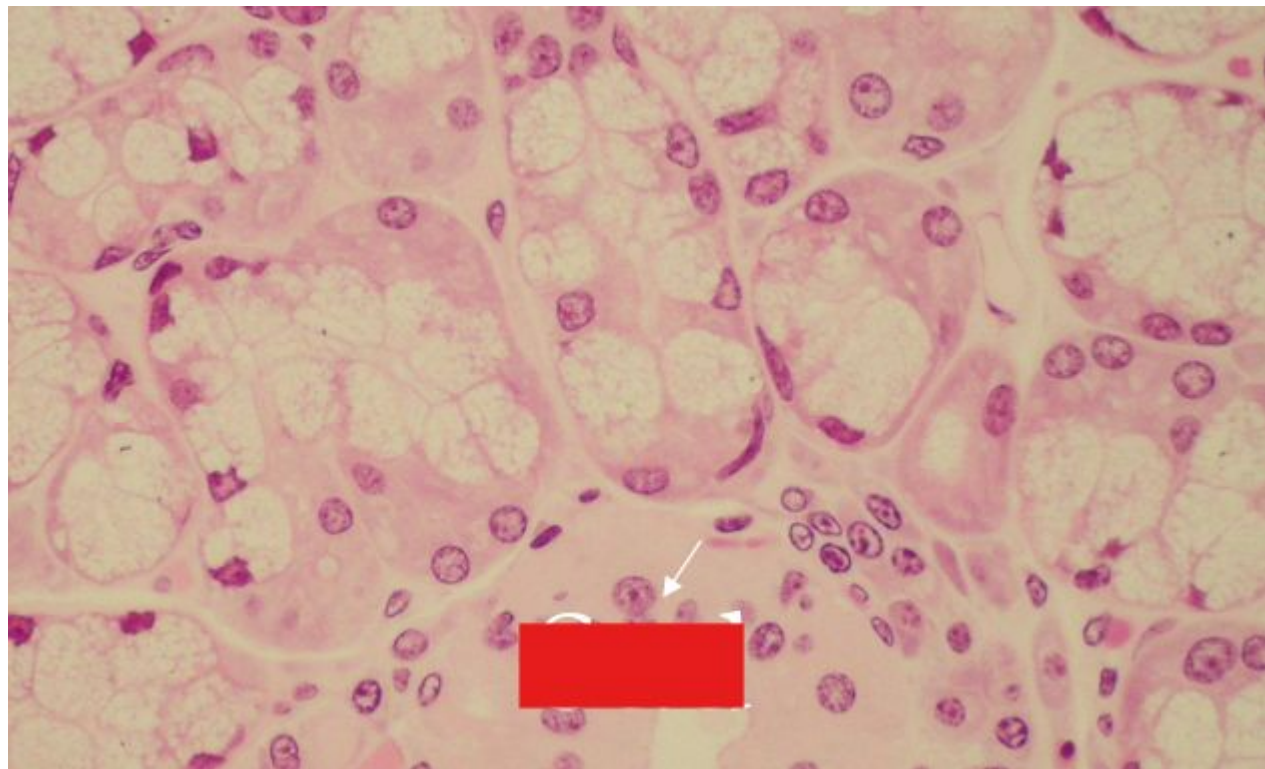


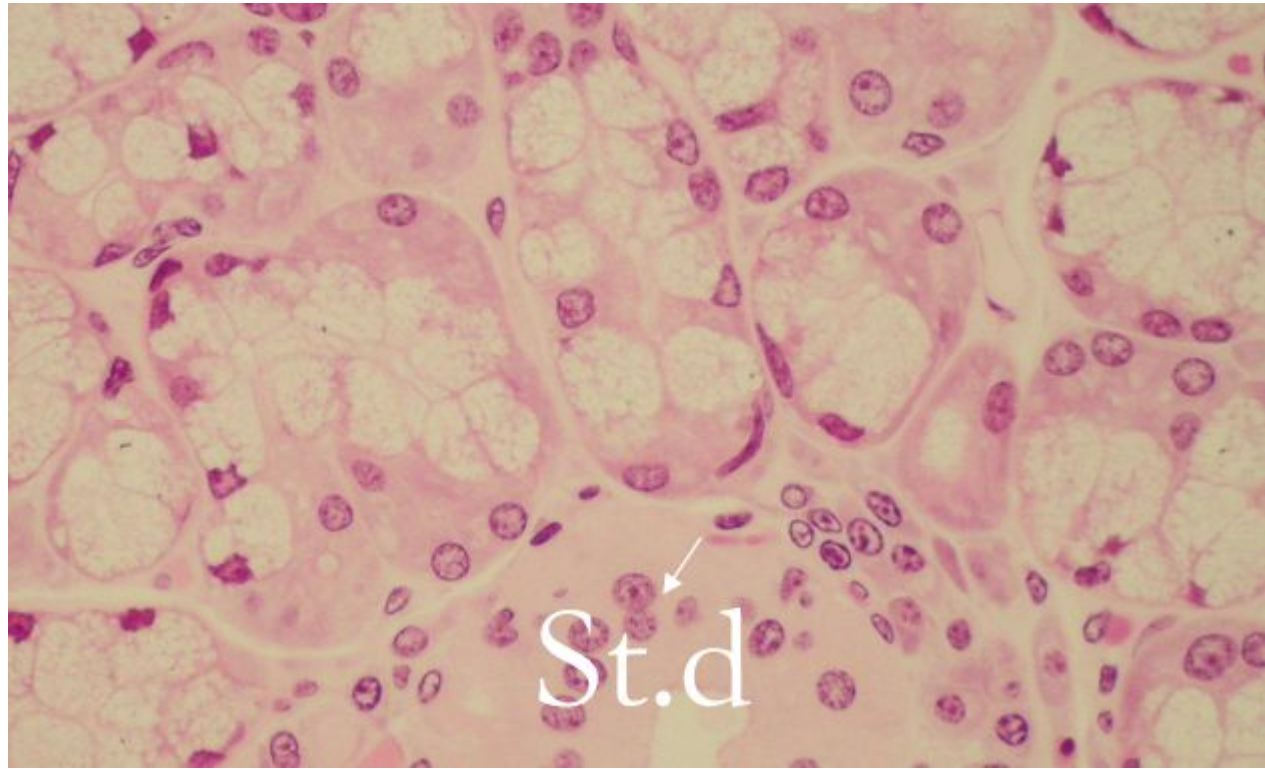


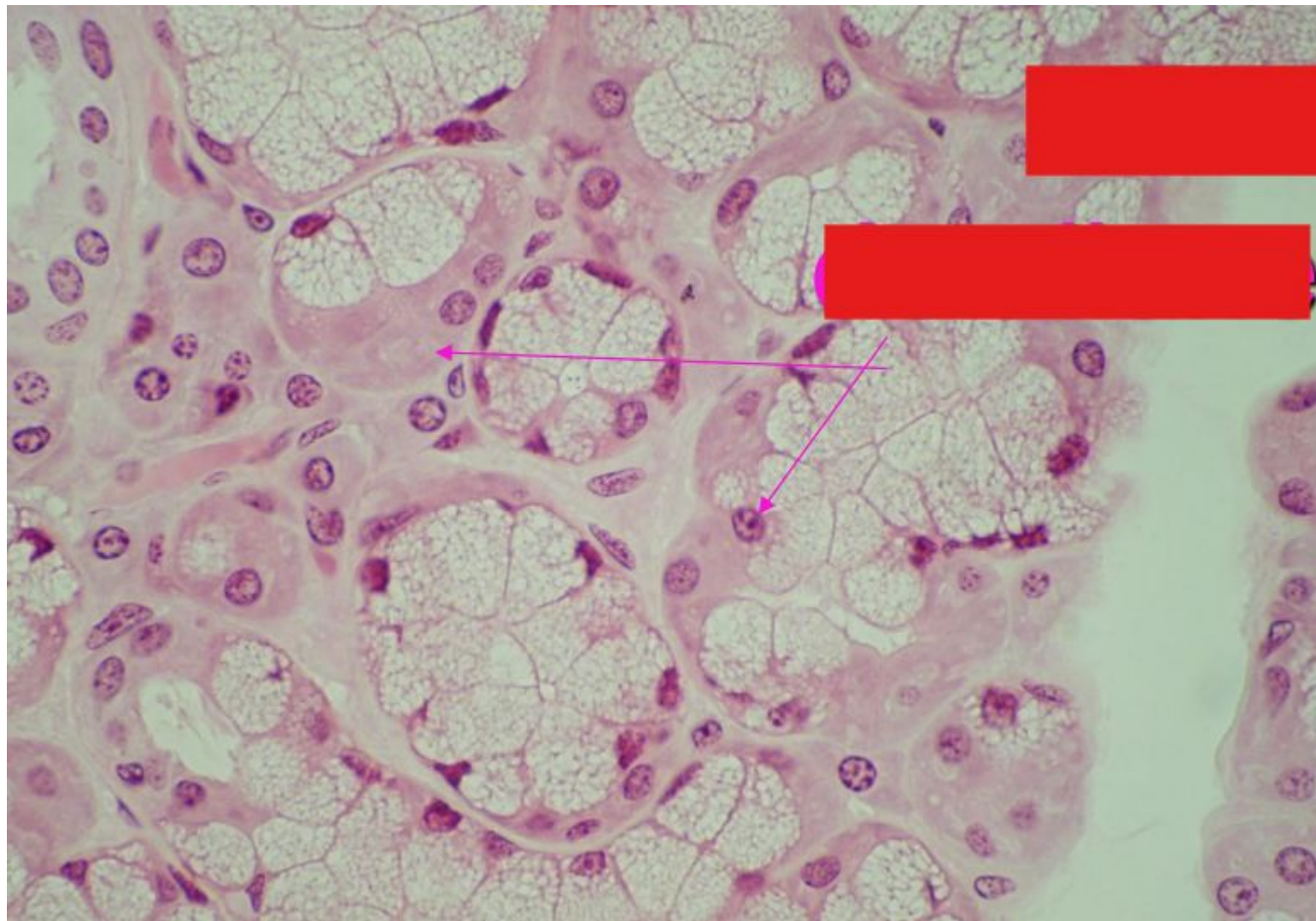
Dt: Striated Duct



Compound tubuloacinar gland

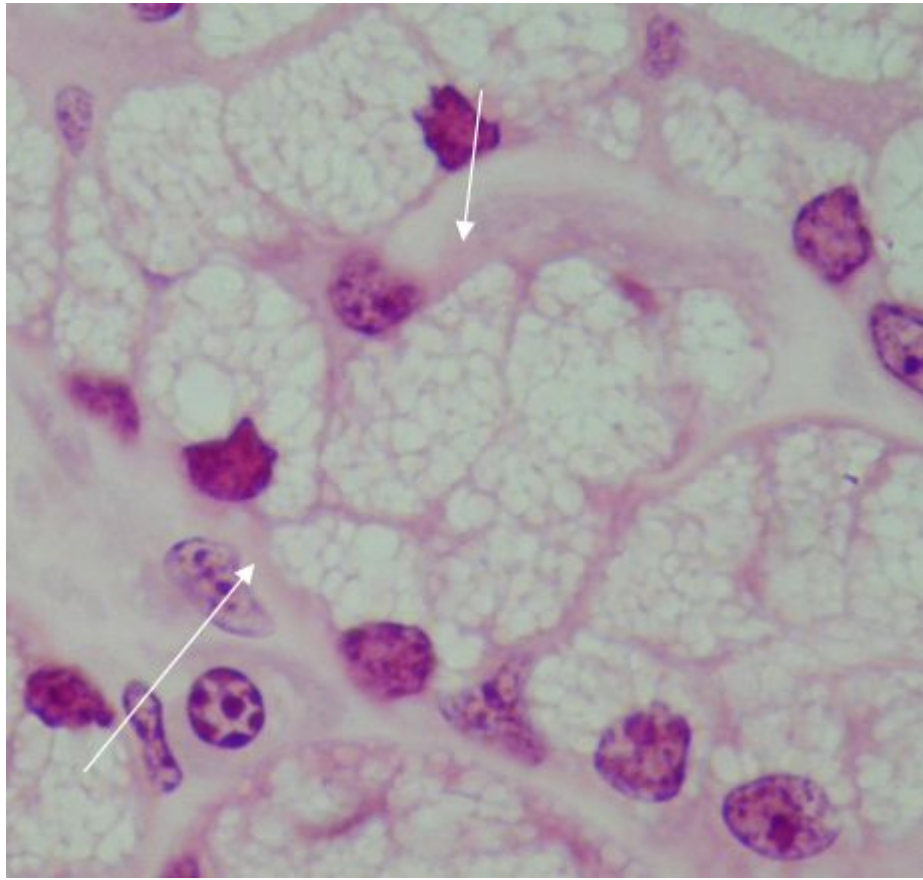


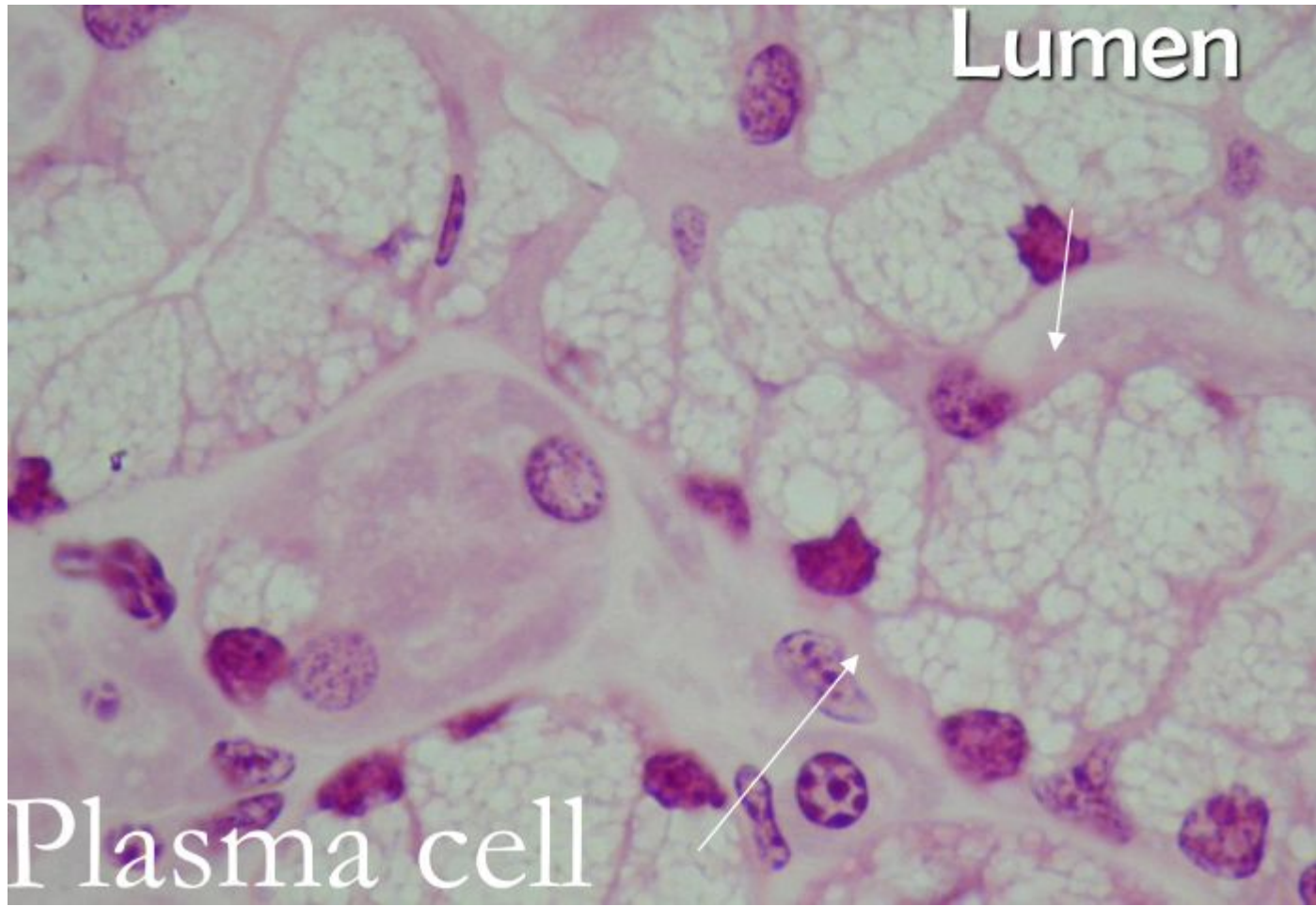


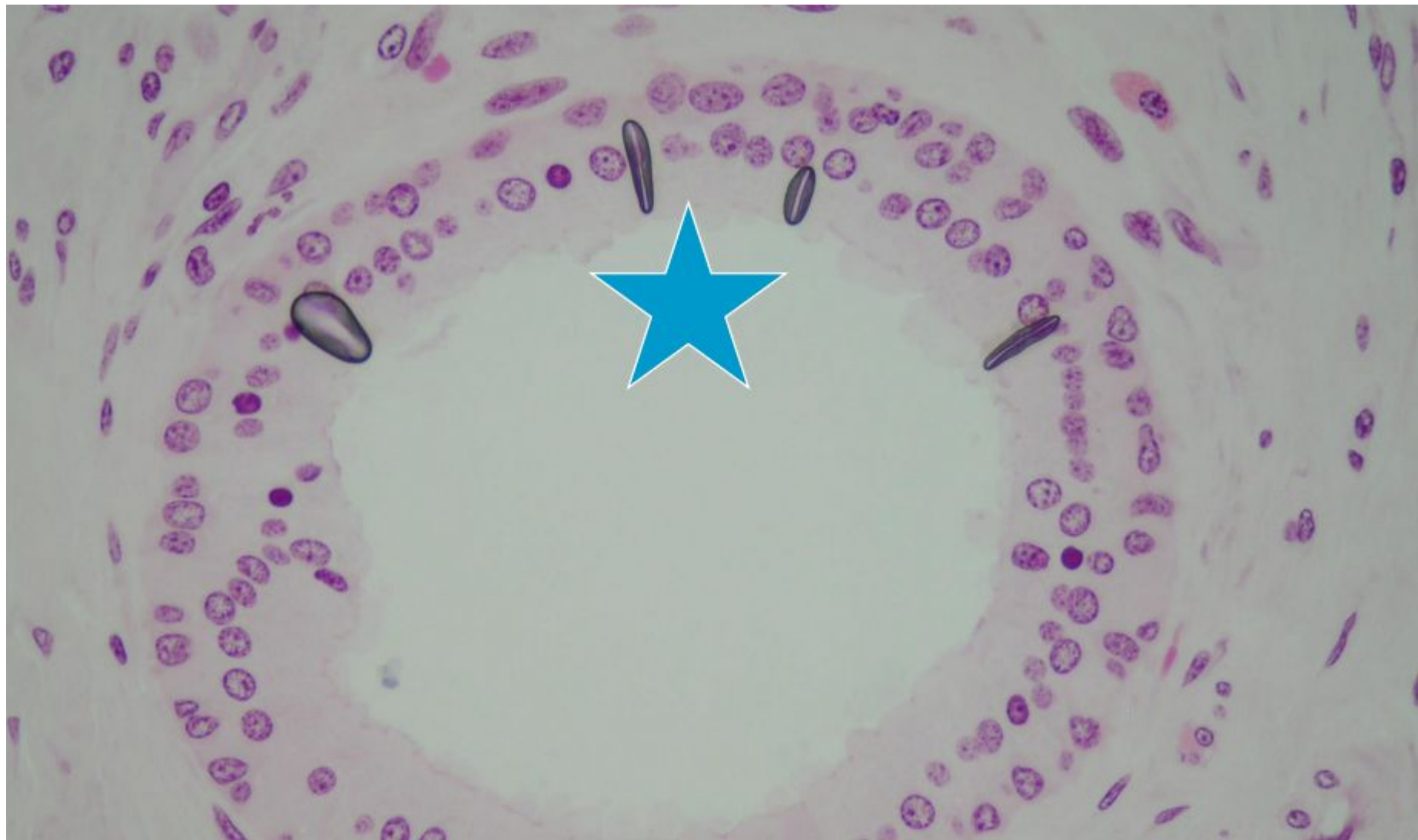




Sublingual gland (where serous demilunes are rarely seen)



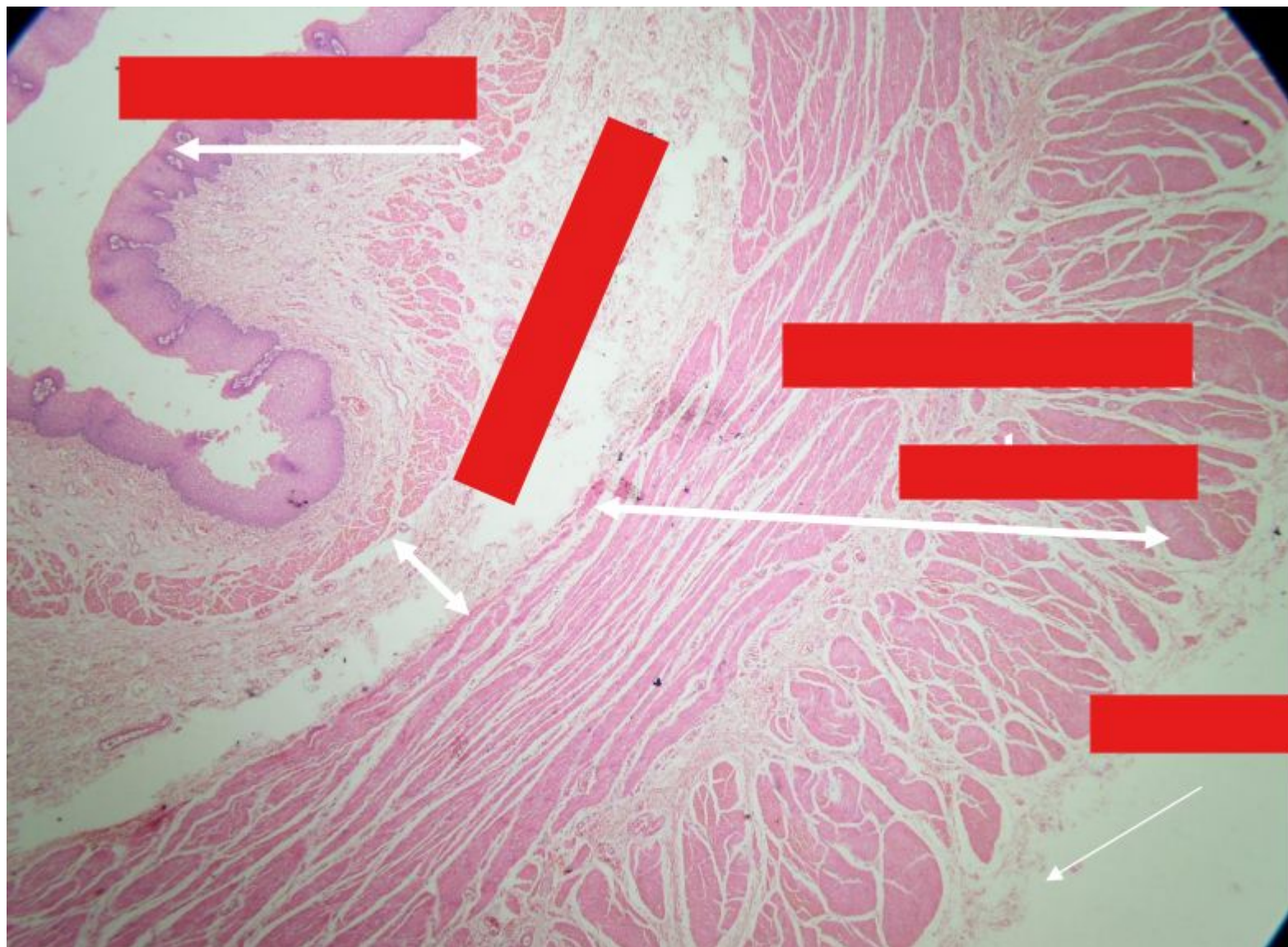




Stratified cuboidal epth. duct

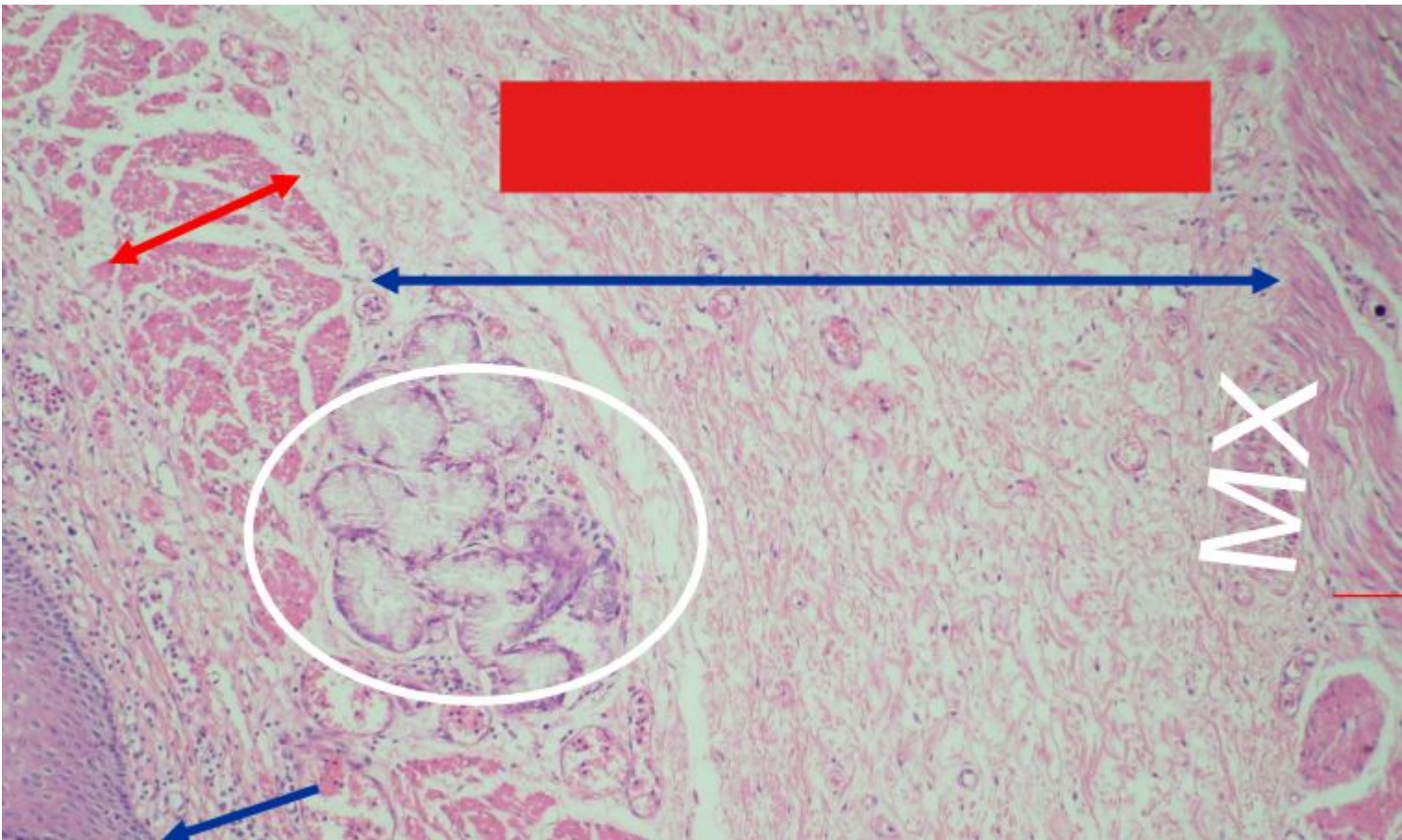


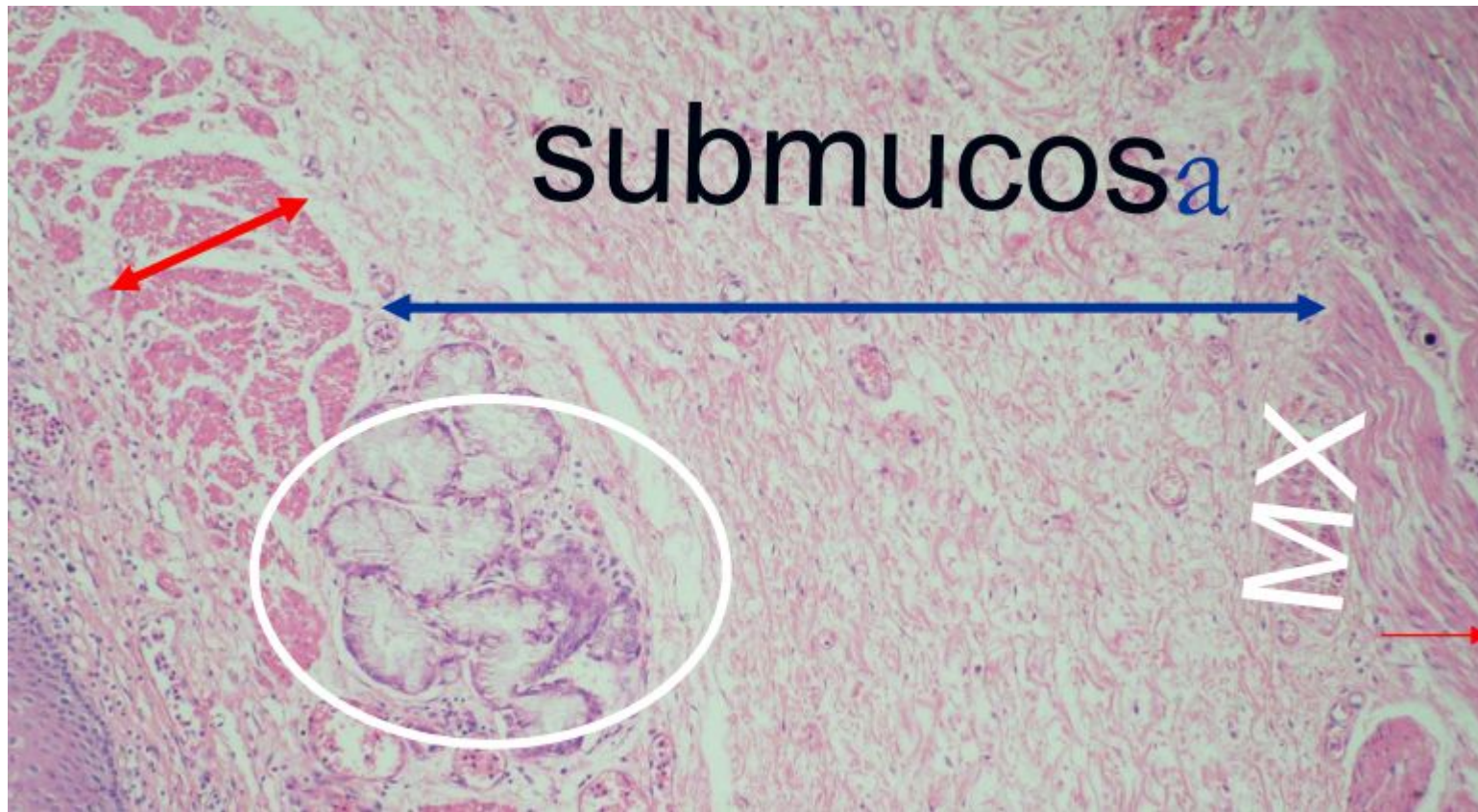
Esophageal Lumen





Esophagus(lower third)





White circle: Esophageal proper gland
Red line: muscularis mucosa

GI.

Advan.

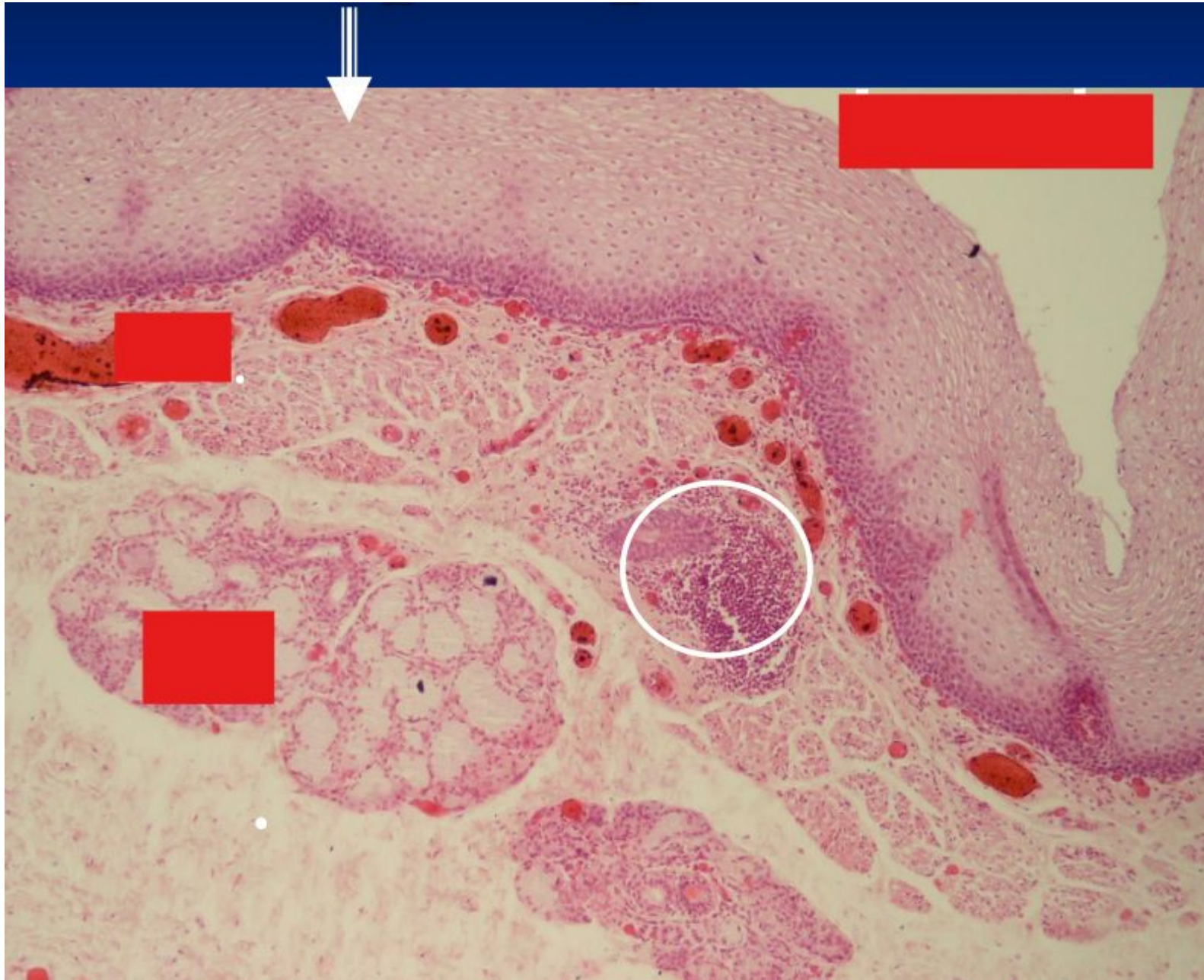


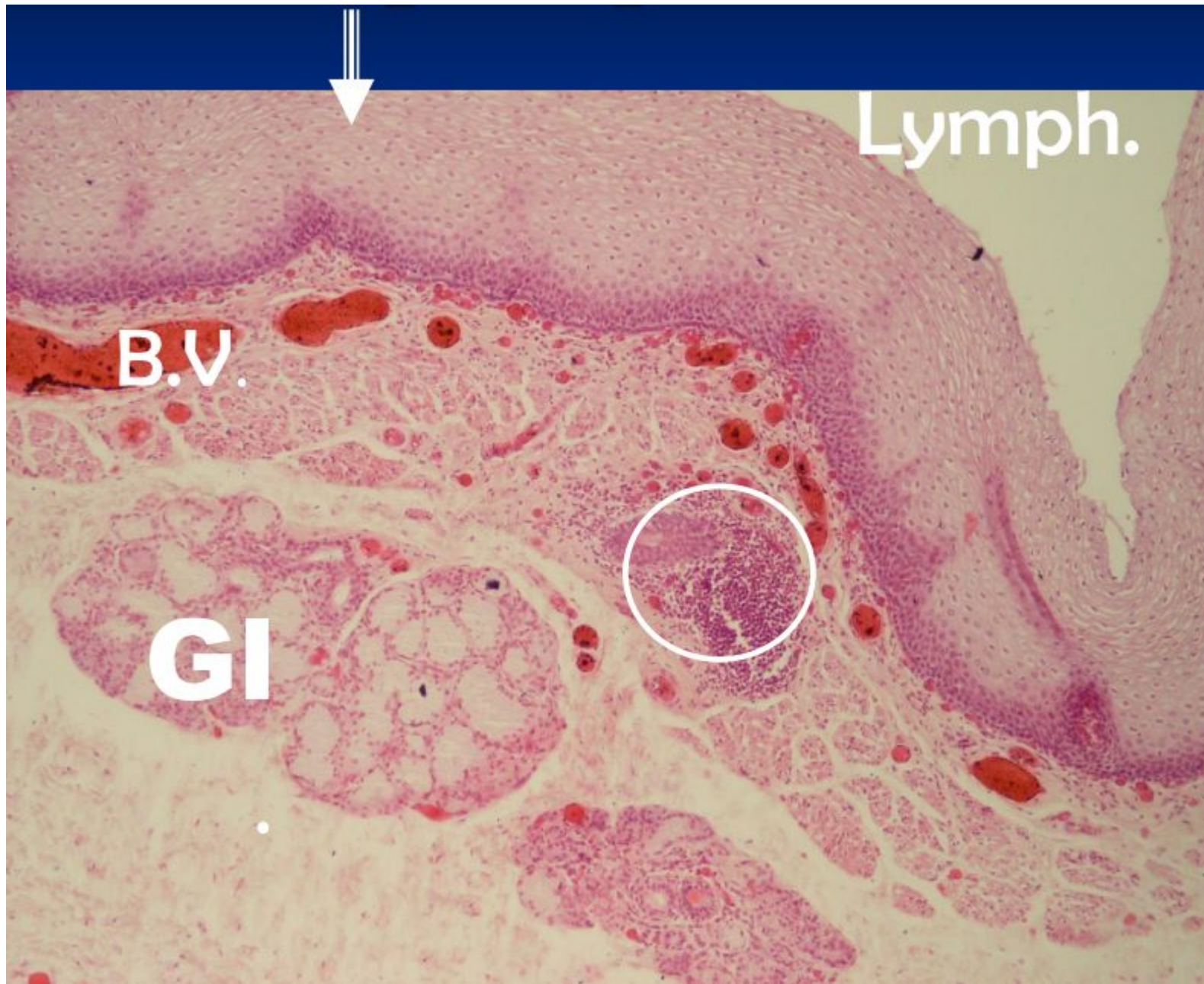


GI: Gland of Lieberkühn

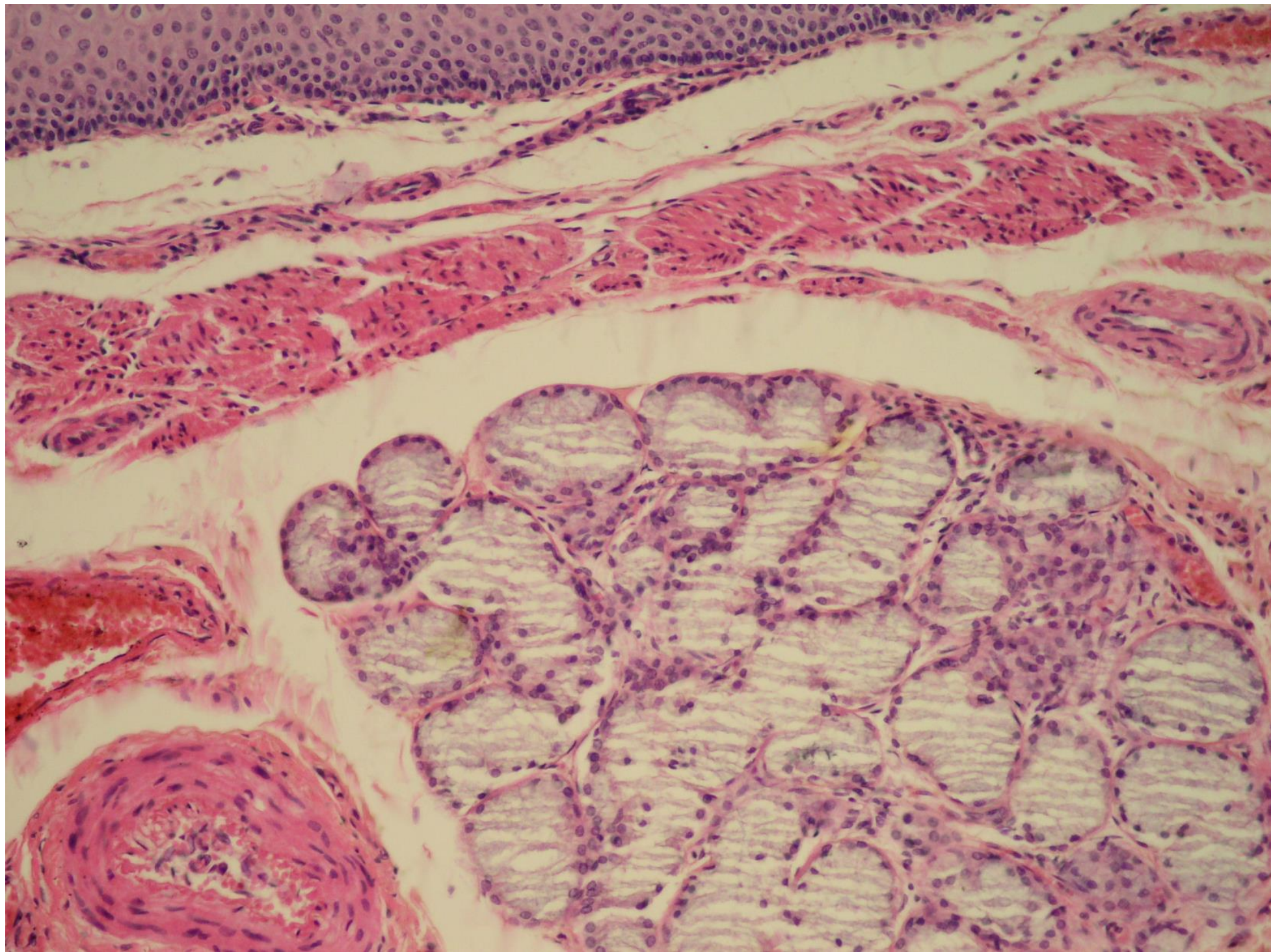
Avan: Adventitia

White arrows:,

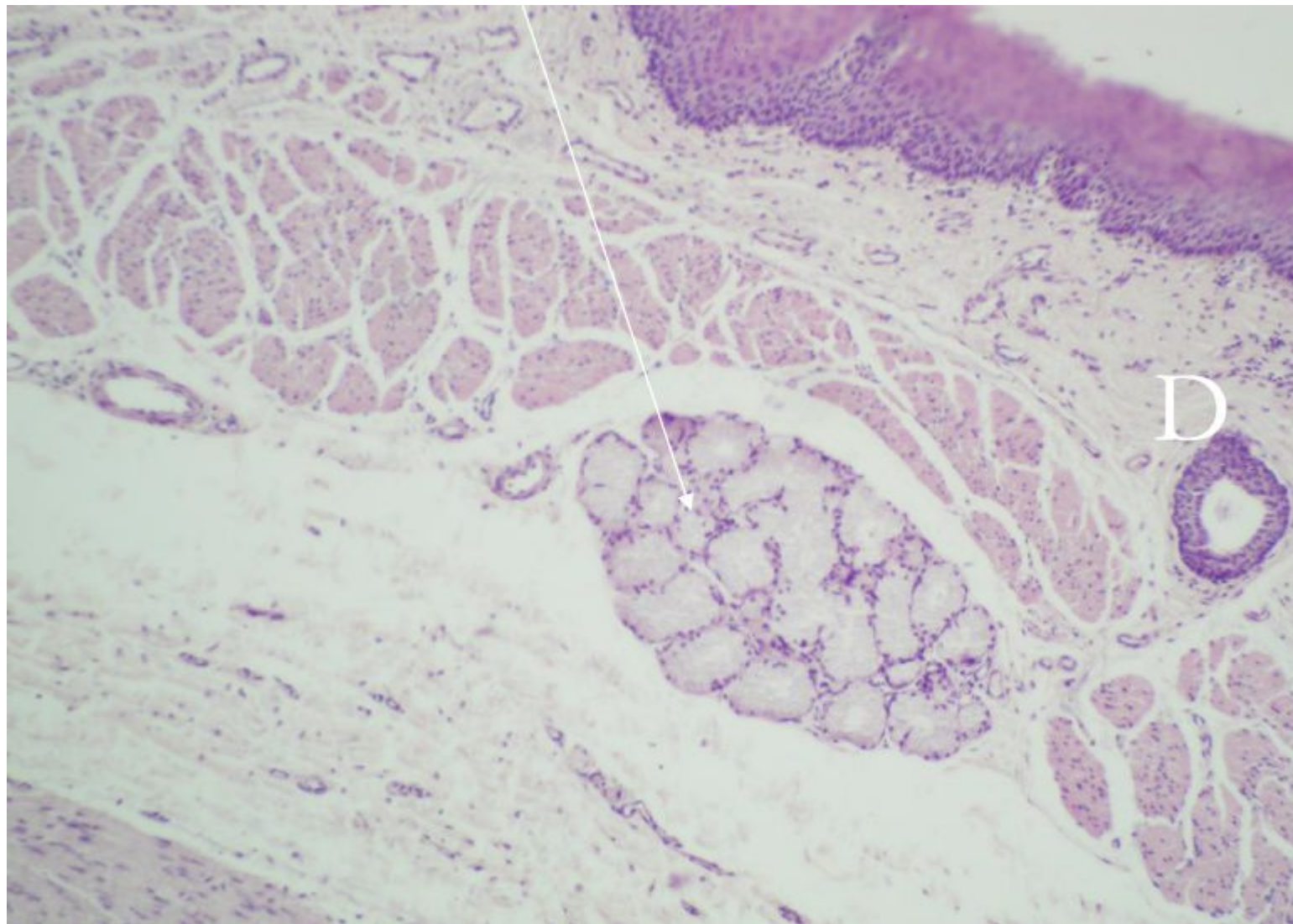




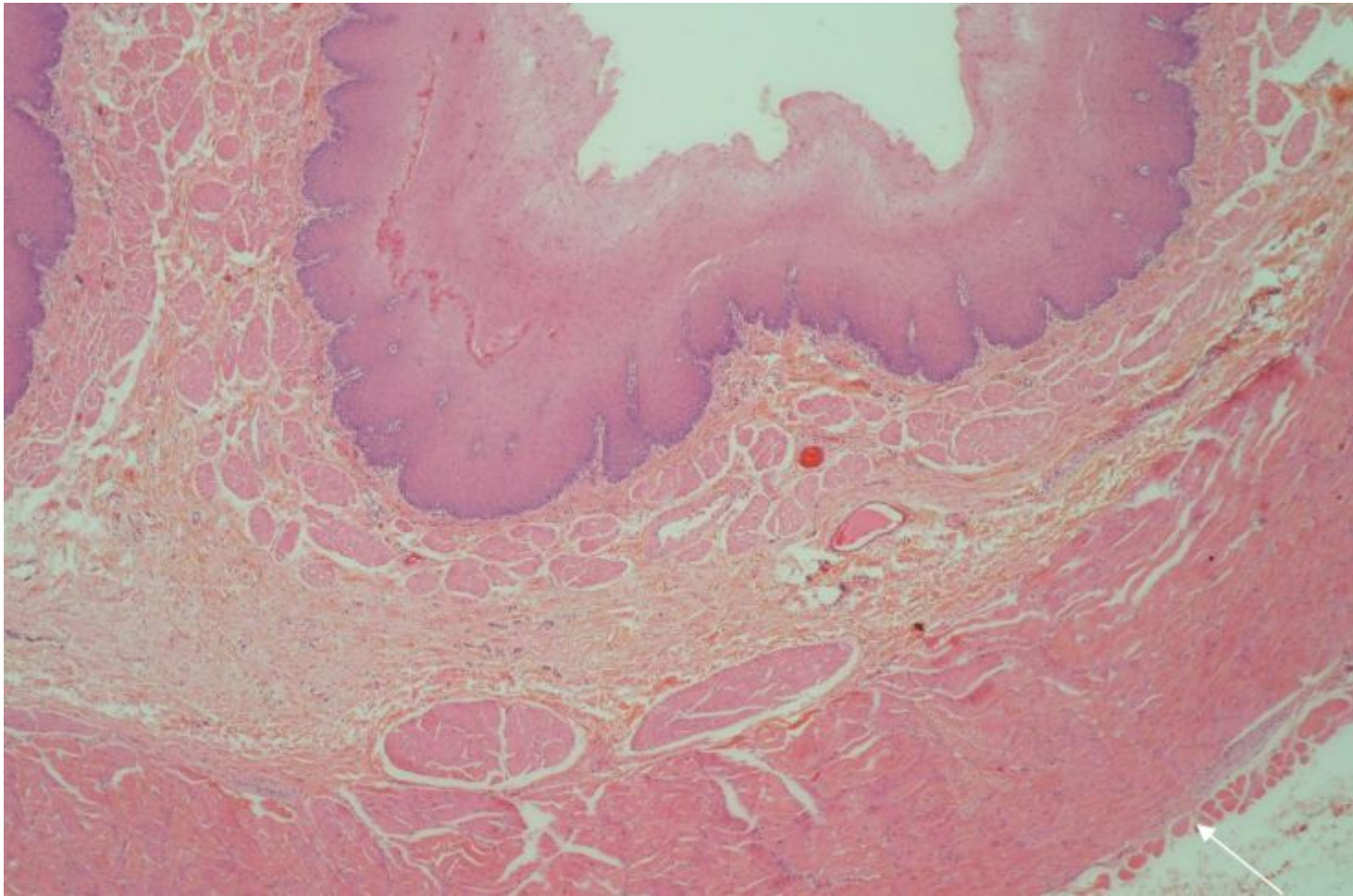
White arrow: Stratified Squamous epithelium non keratinized



Eosophageal proper gland(in submucosa)



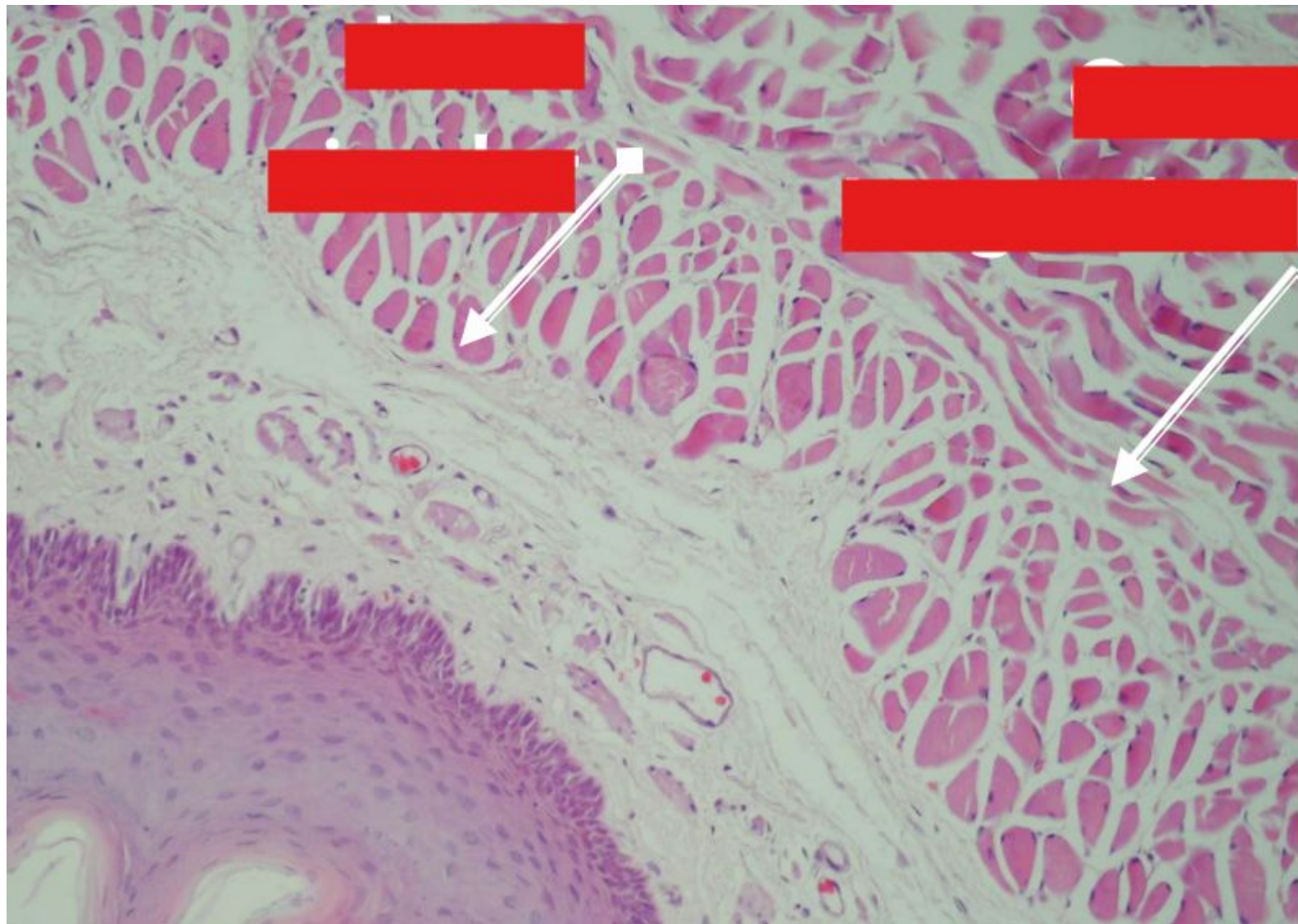
Esophagial gland proper (in submucosa)

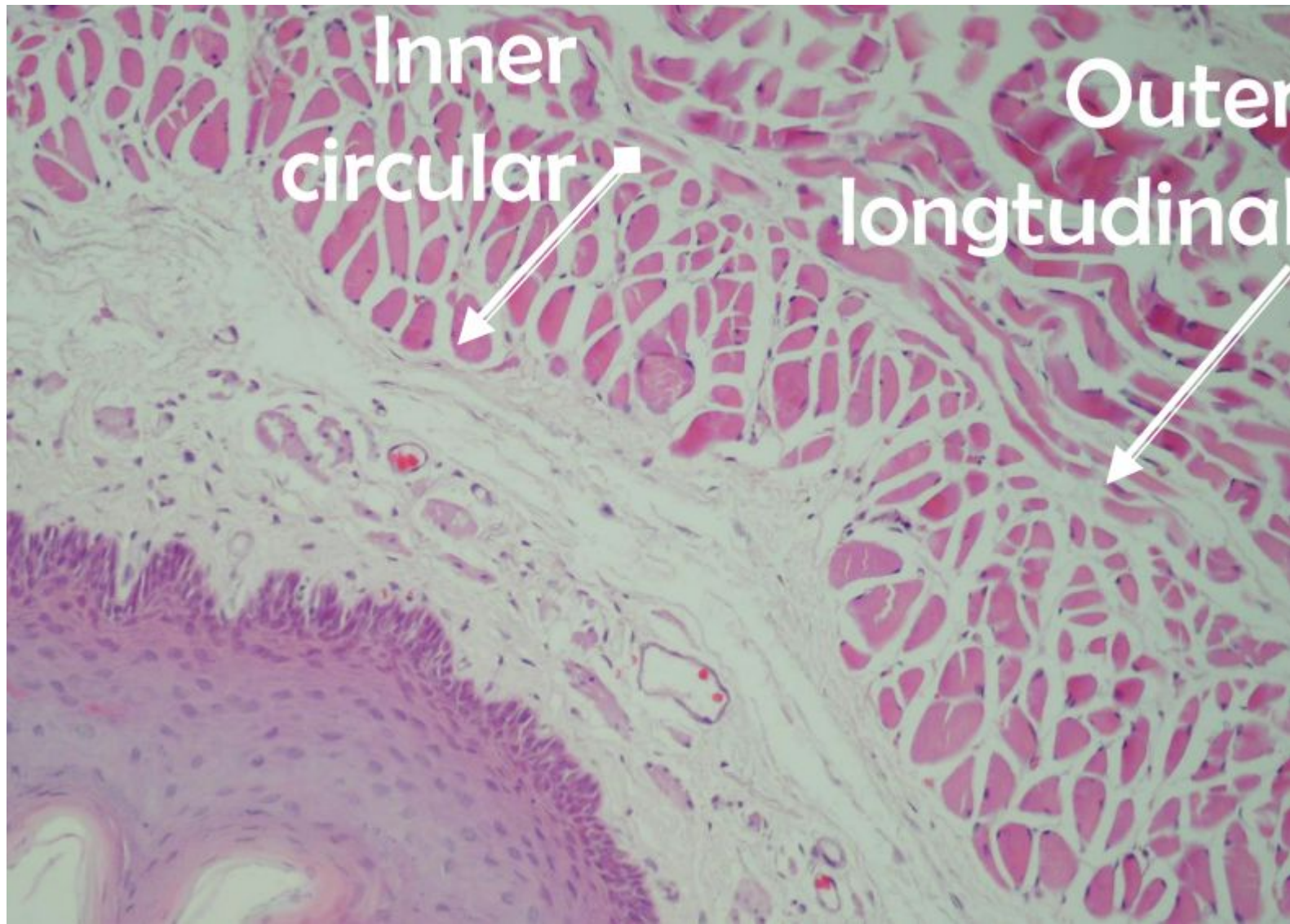


Notice arrow bottom right

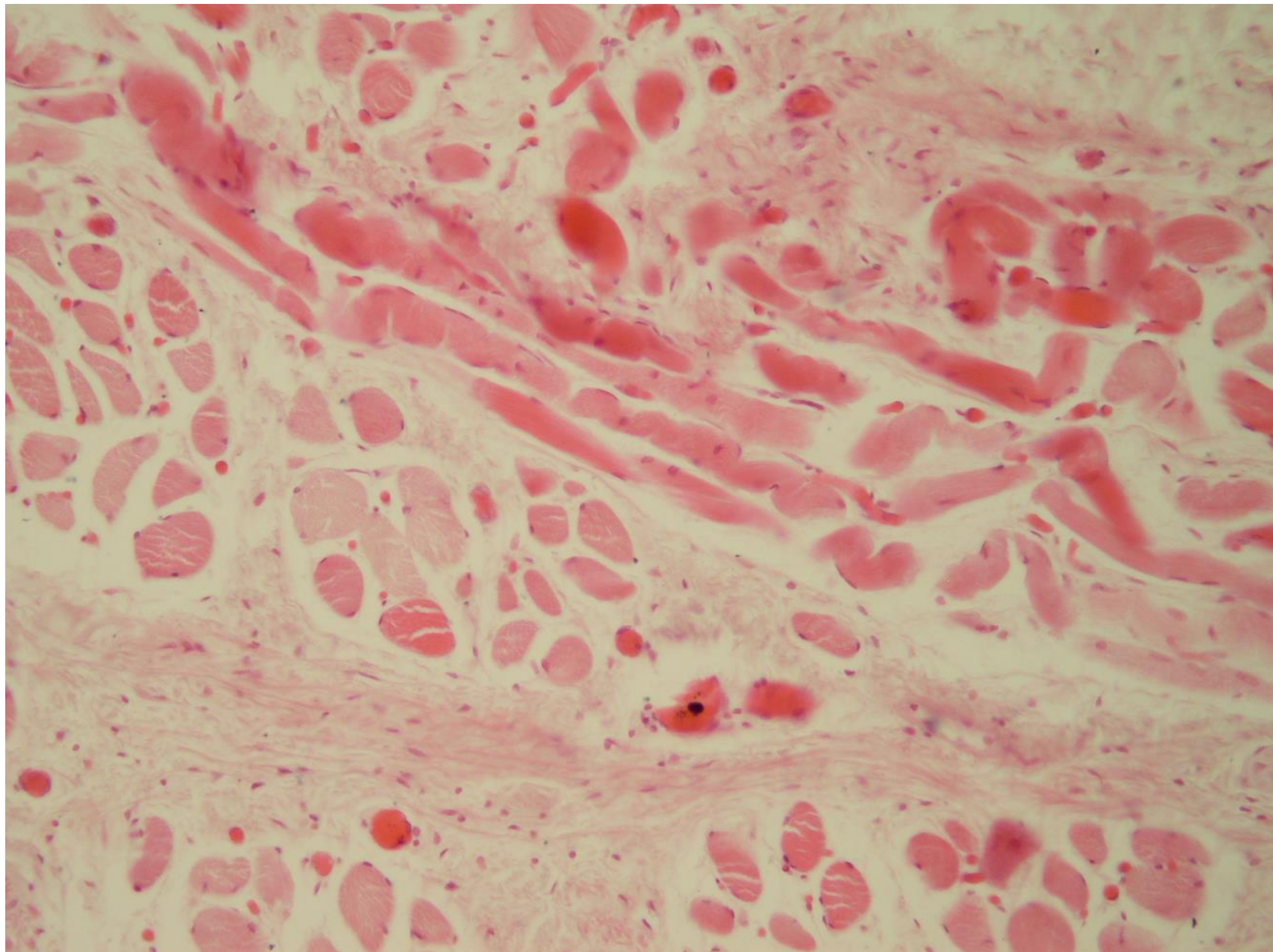
Esophagus

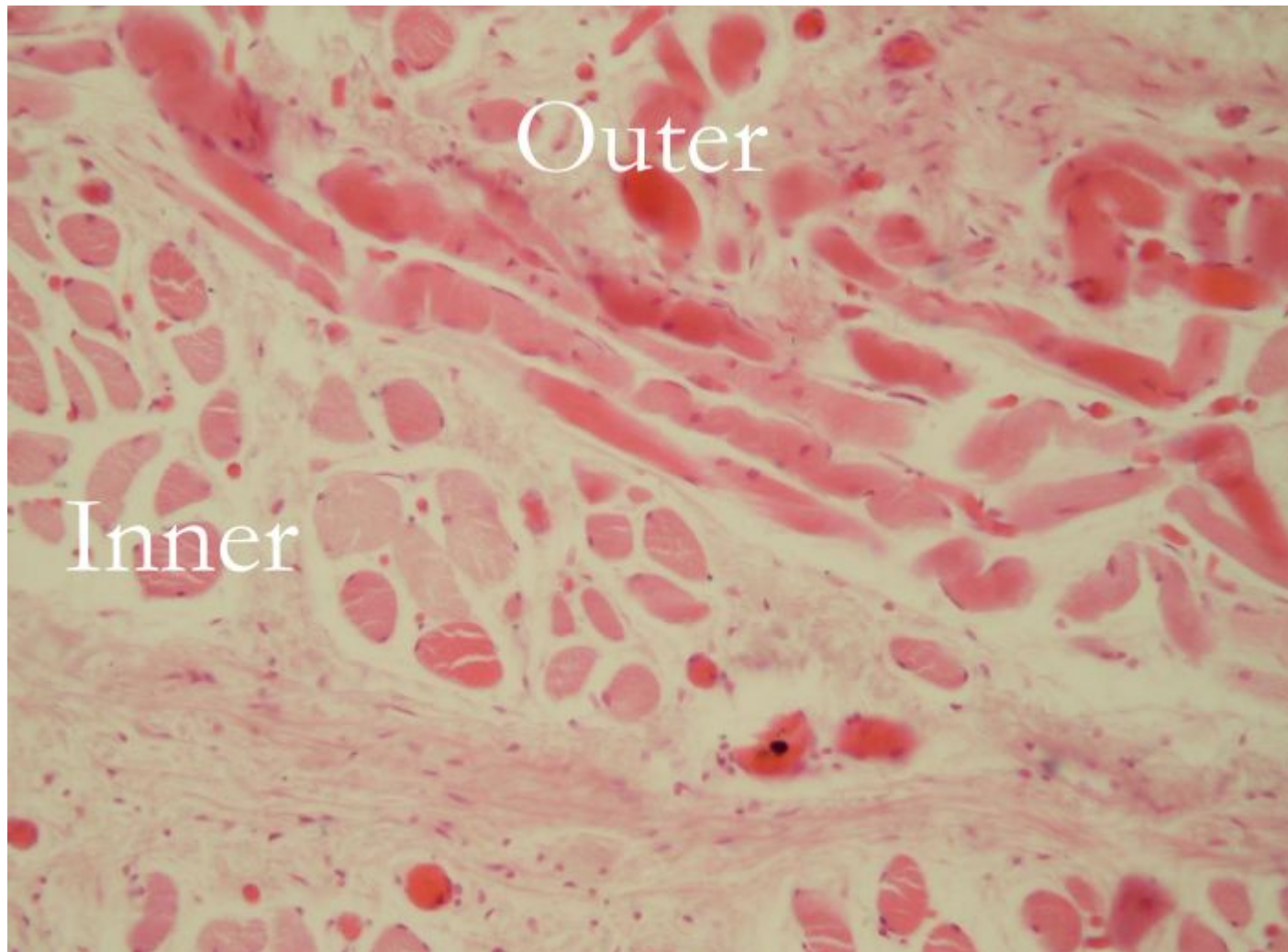
Serosa



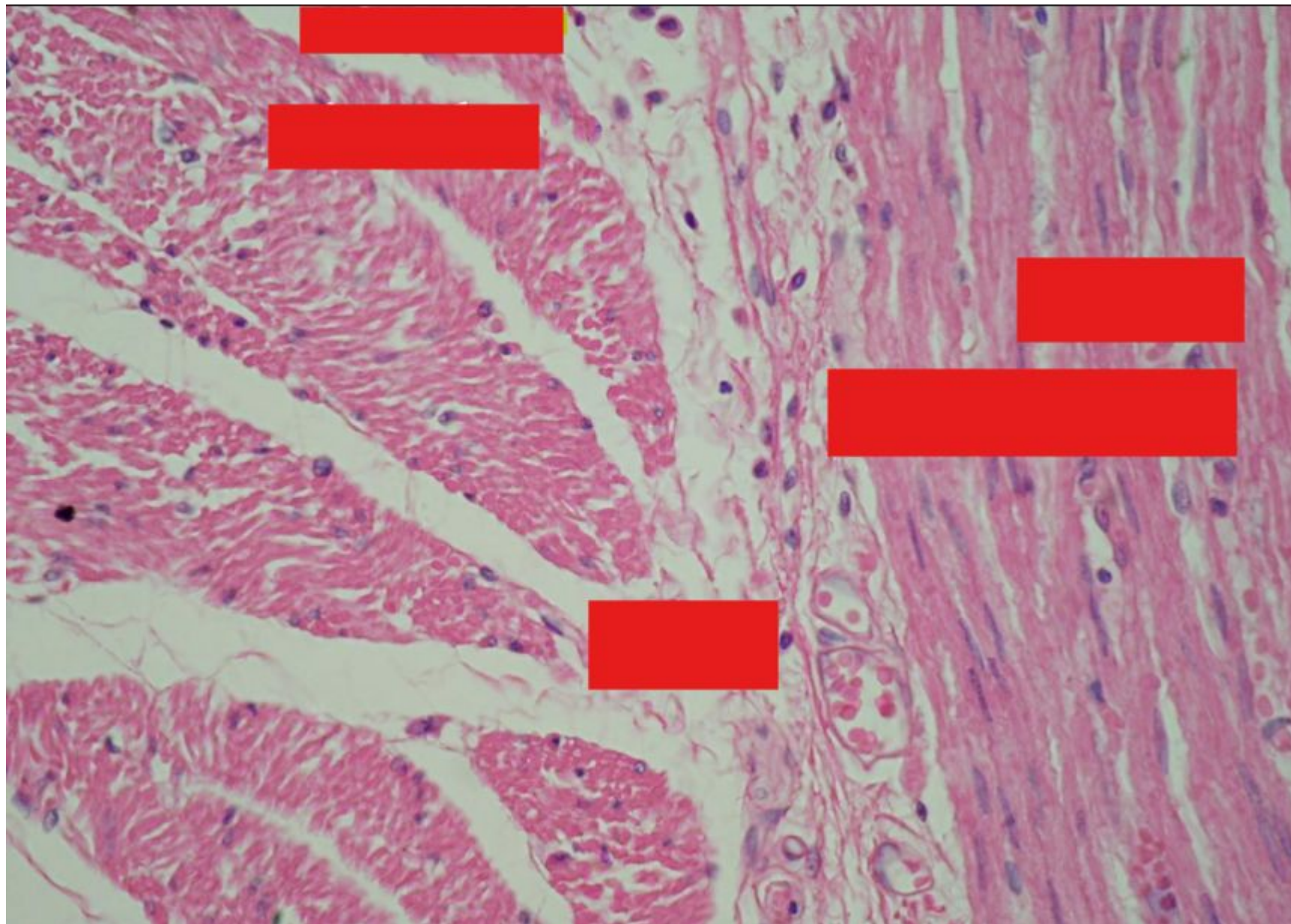


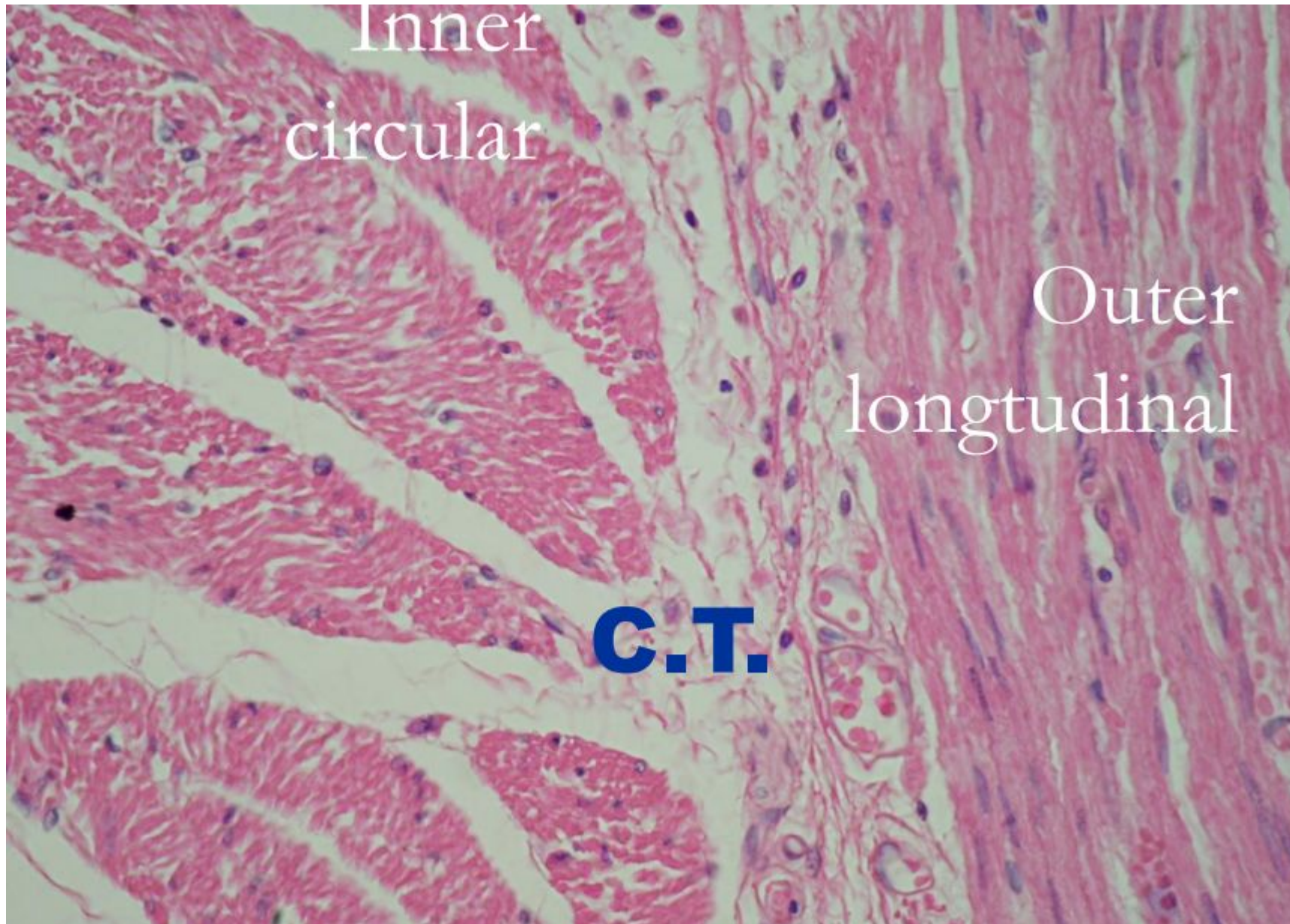
Esophagus(upper third)skeletal muscle



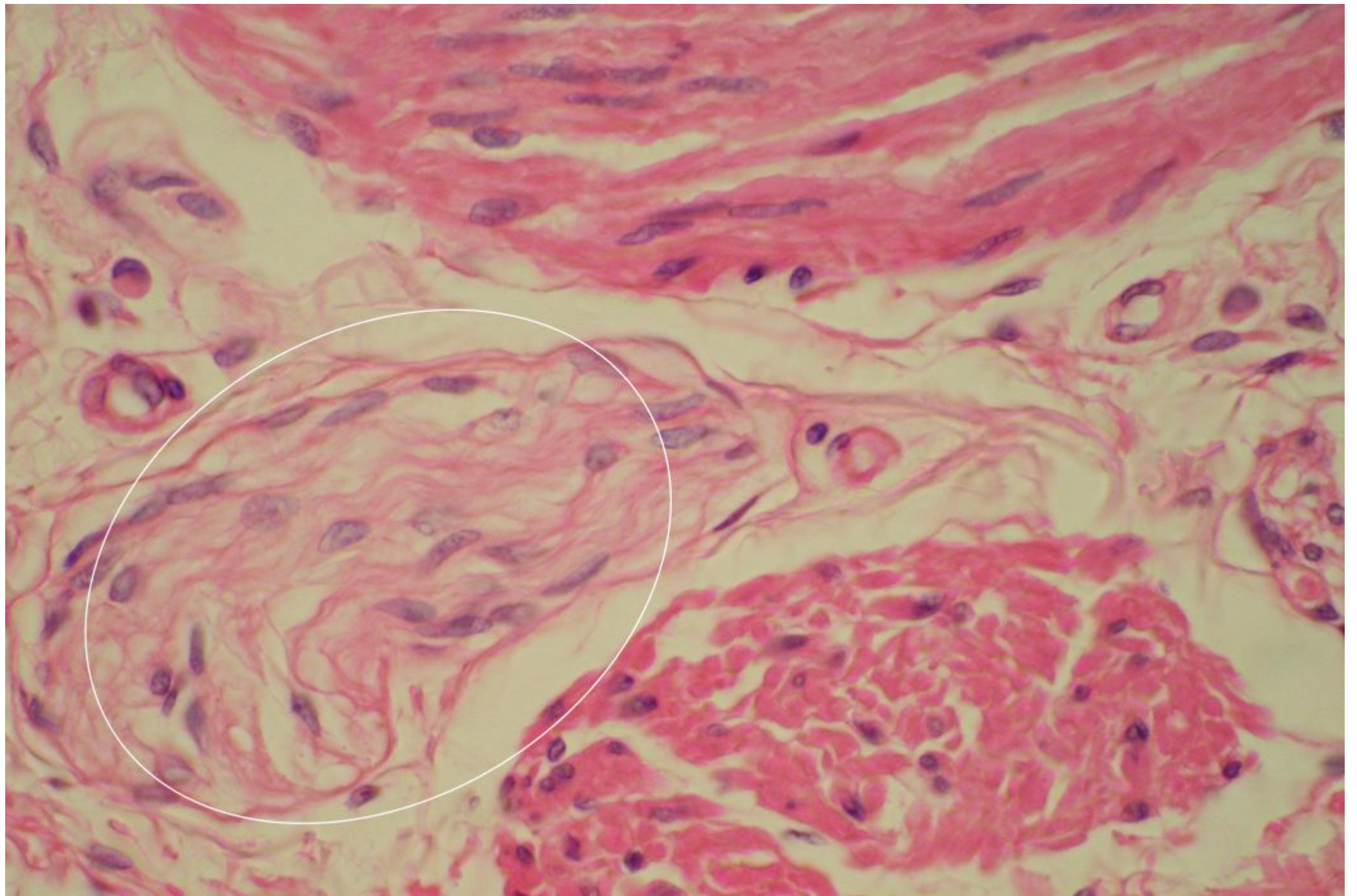


Skeletal Muscle

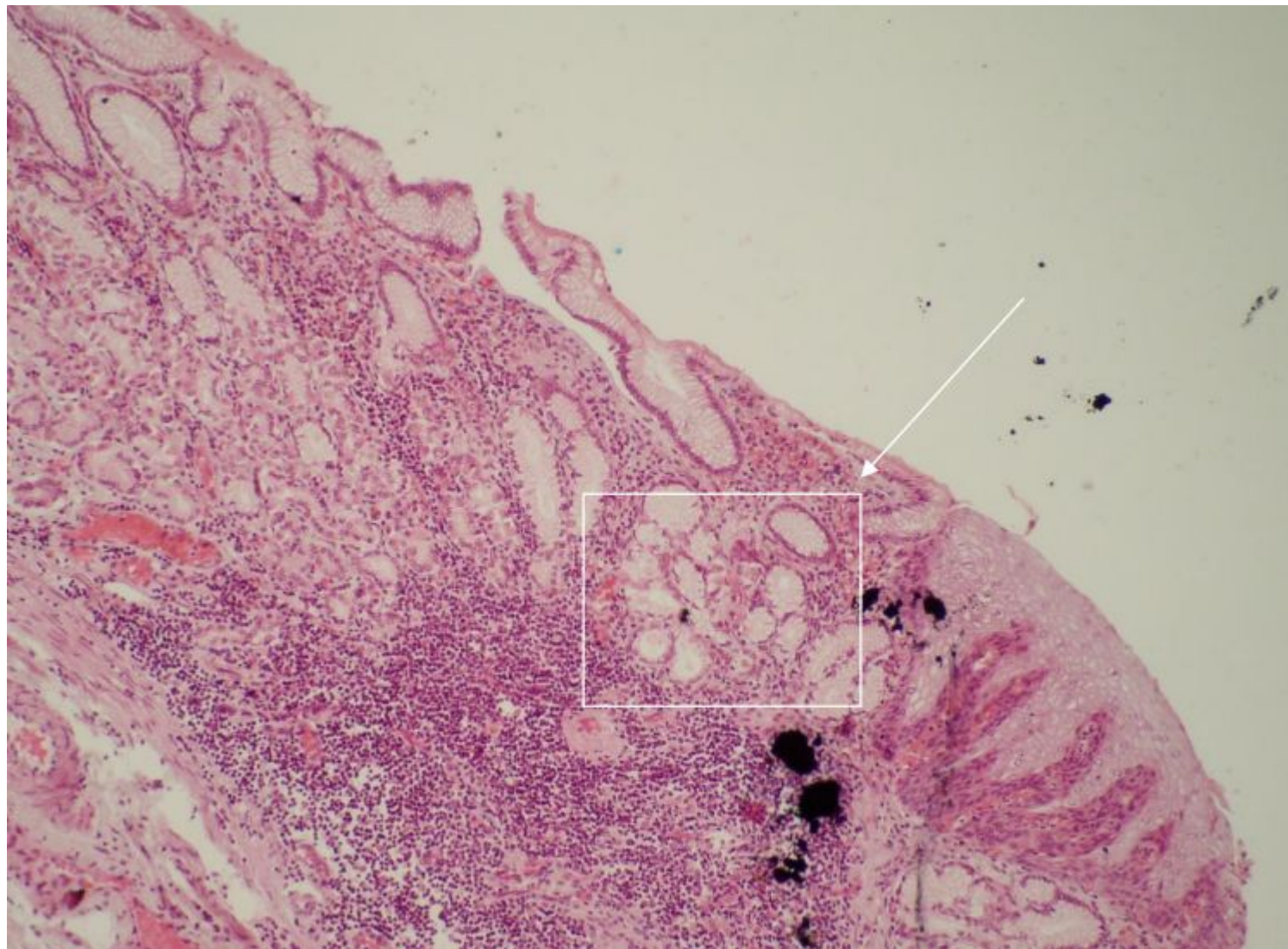




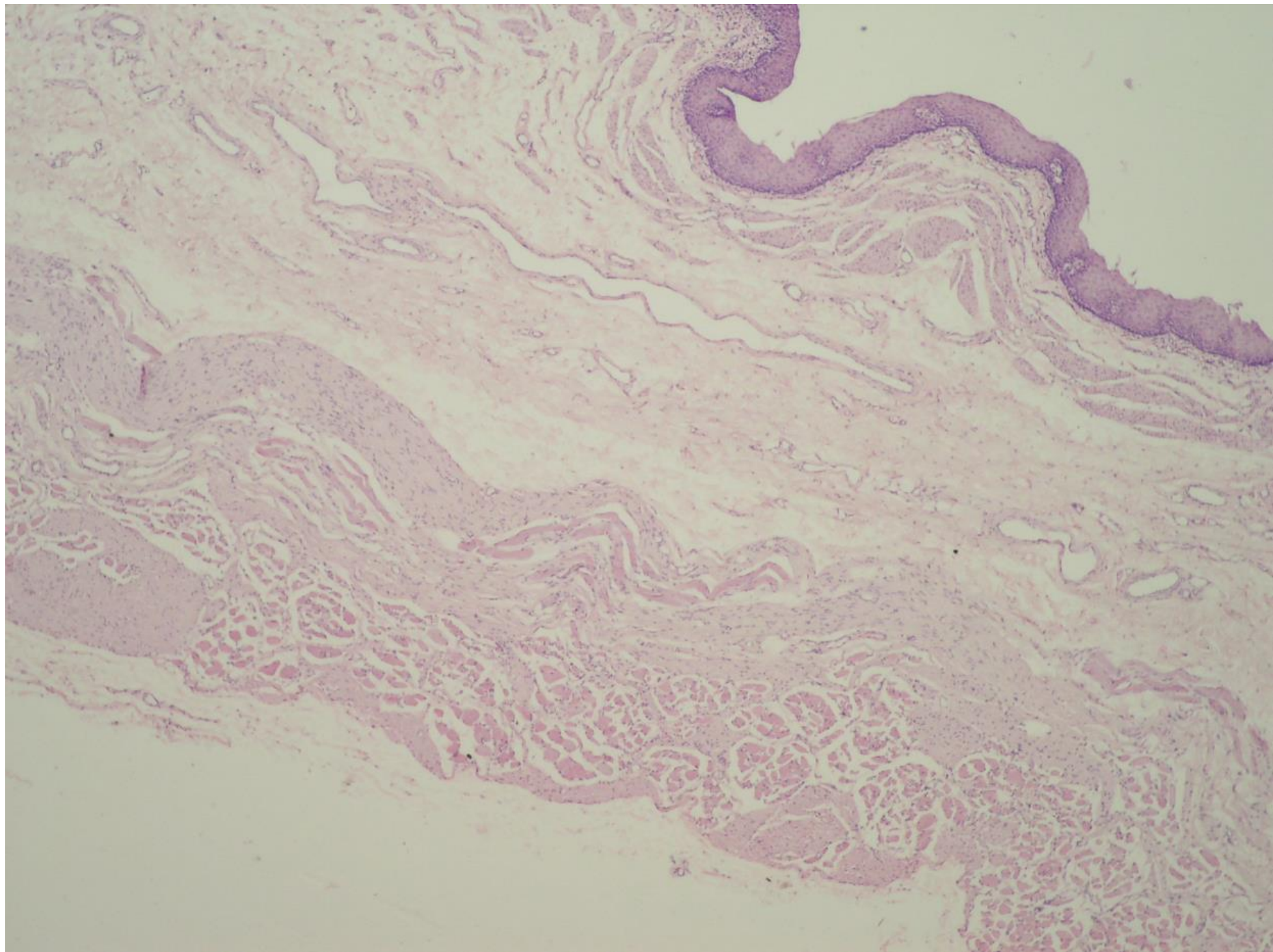
Lower third of Esophagus (smooth muscle)



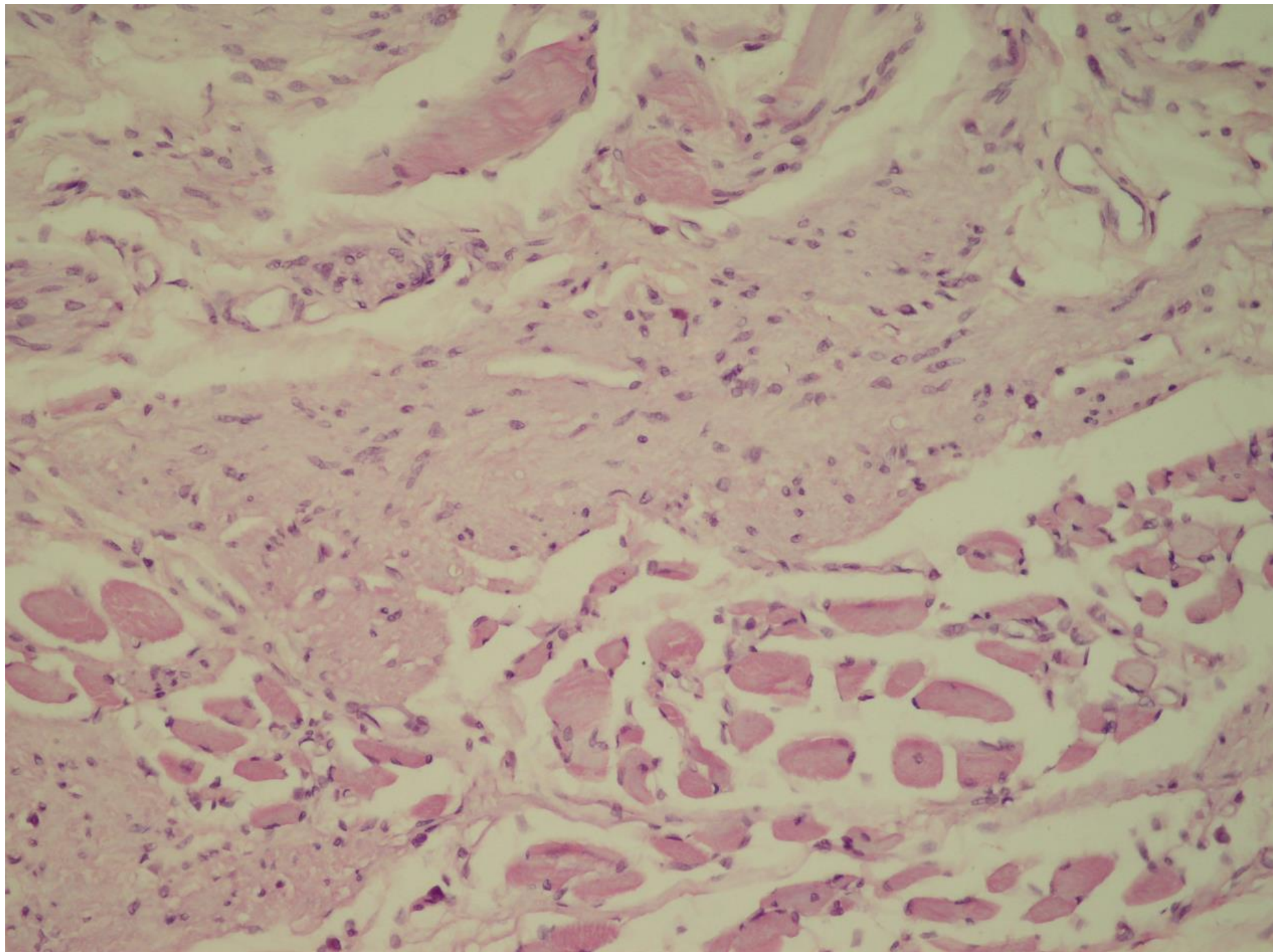
Nerve fibers



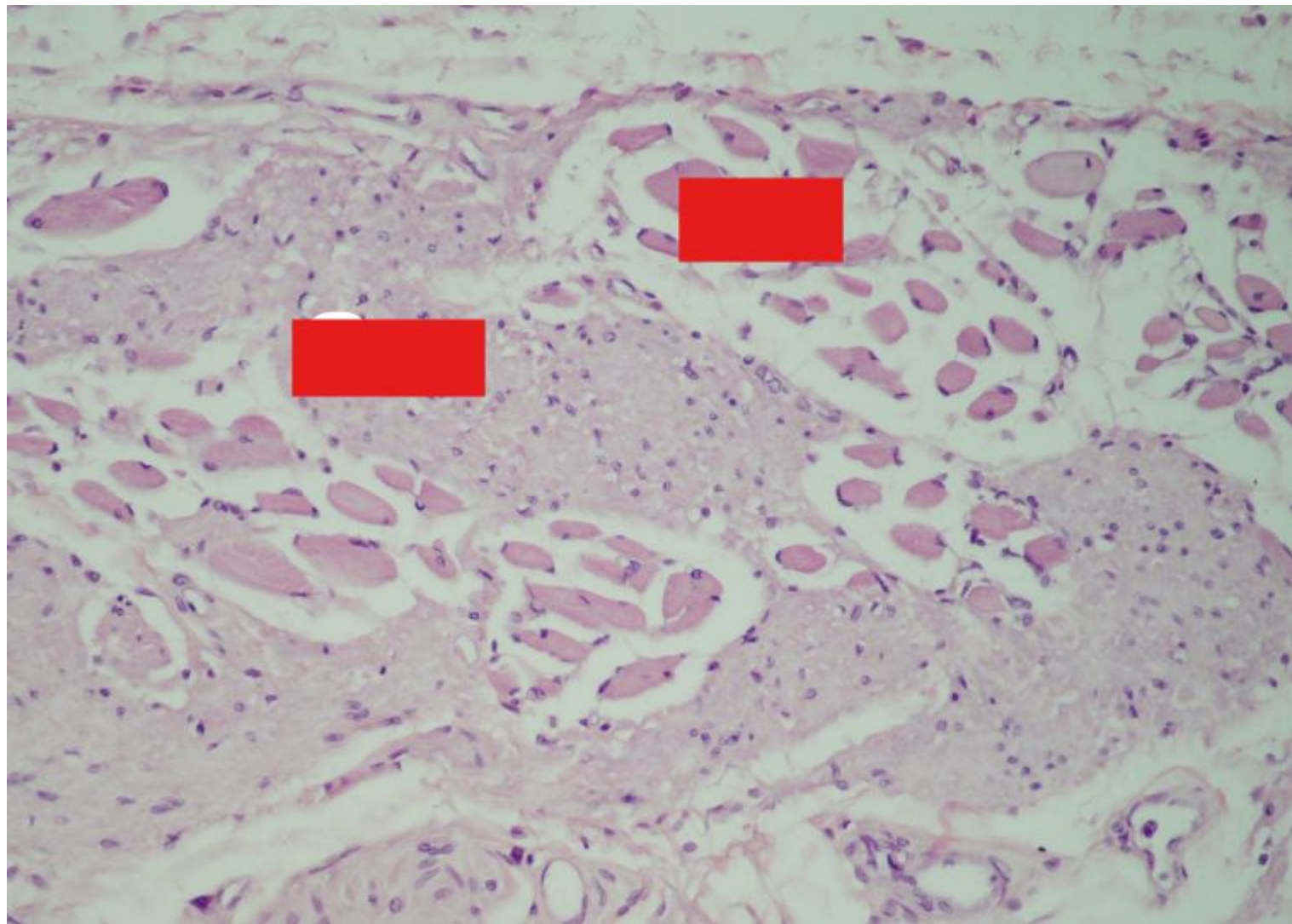
Cardiac gland in Lamina Propria
at GEJ

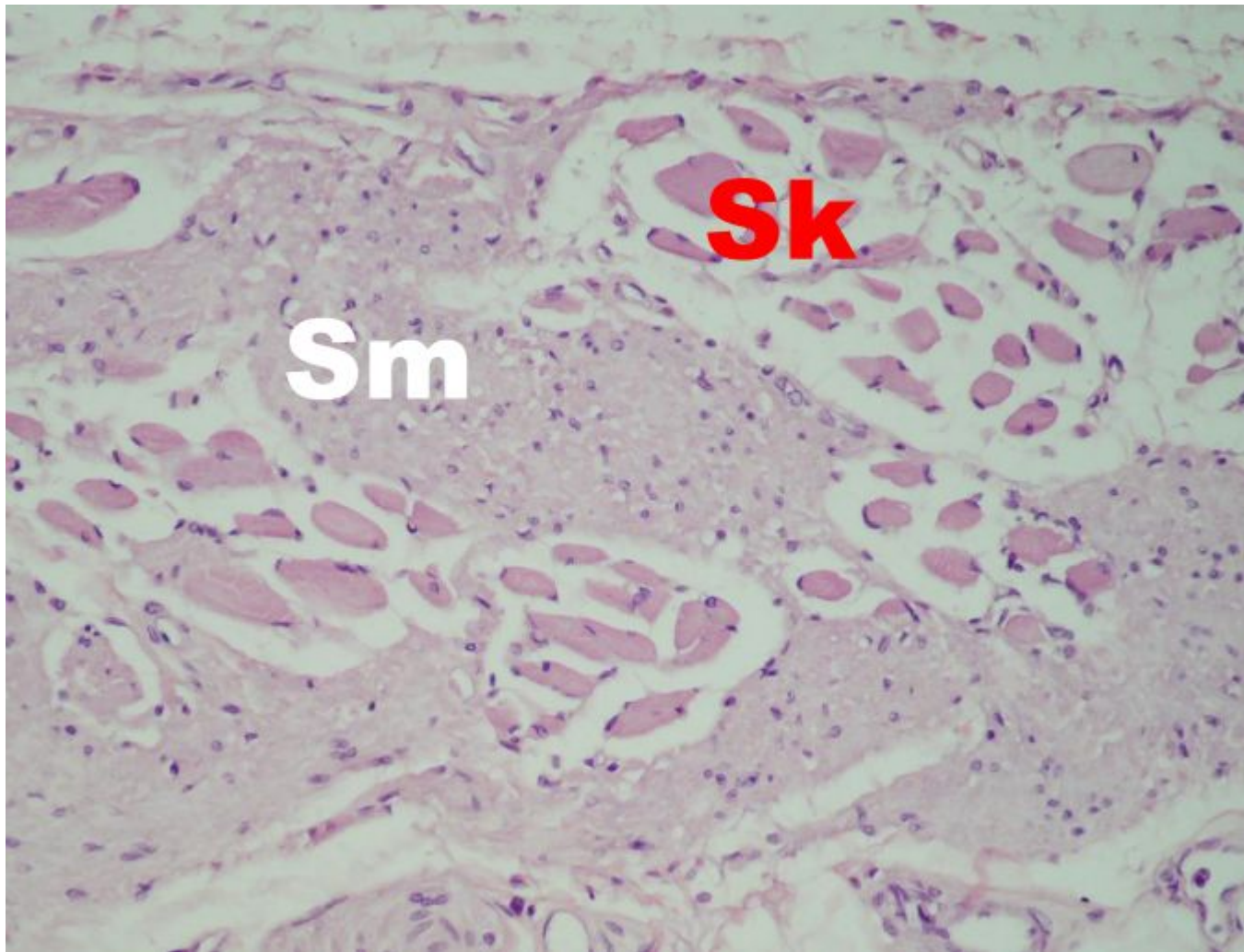


Mixed smooth and skeletal muscle at mid part of
Esophagus

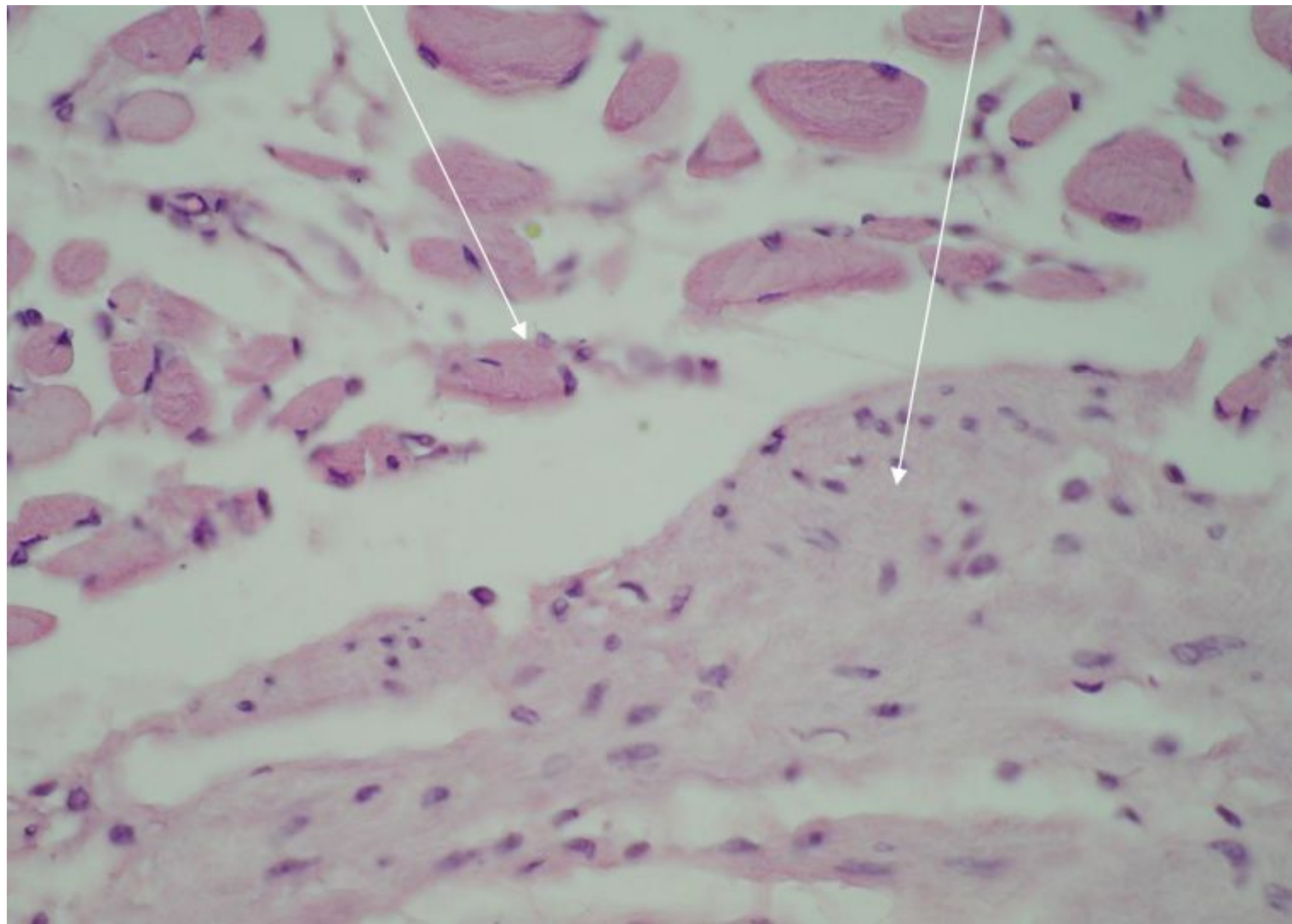


Mixed smooth and skeletal muscle at mid part of
Esophagus

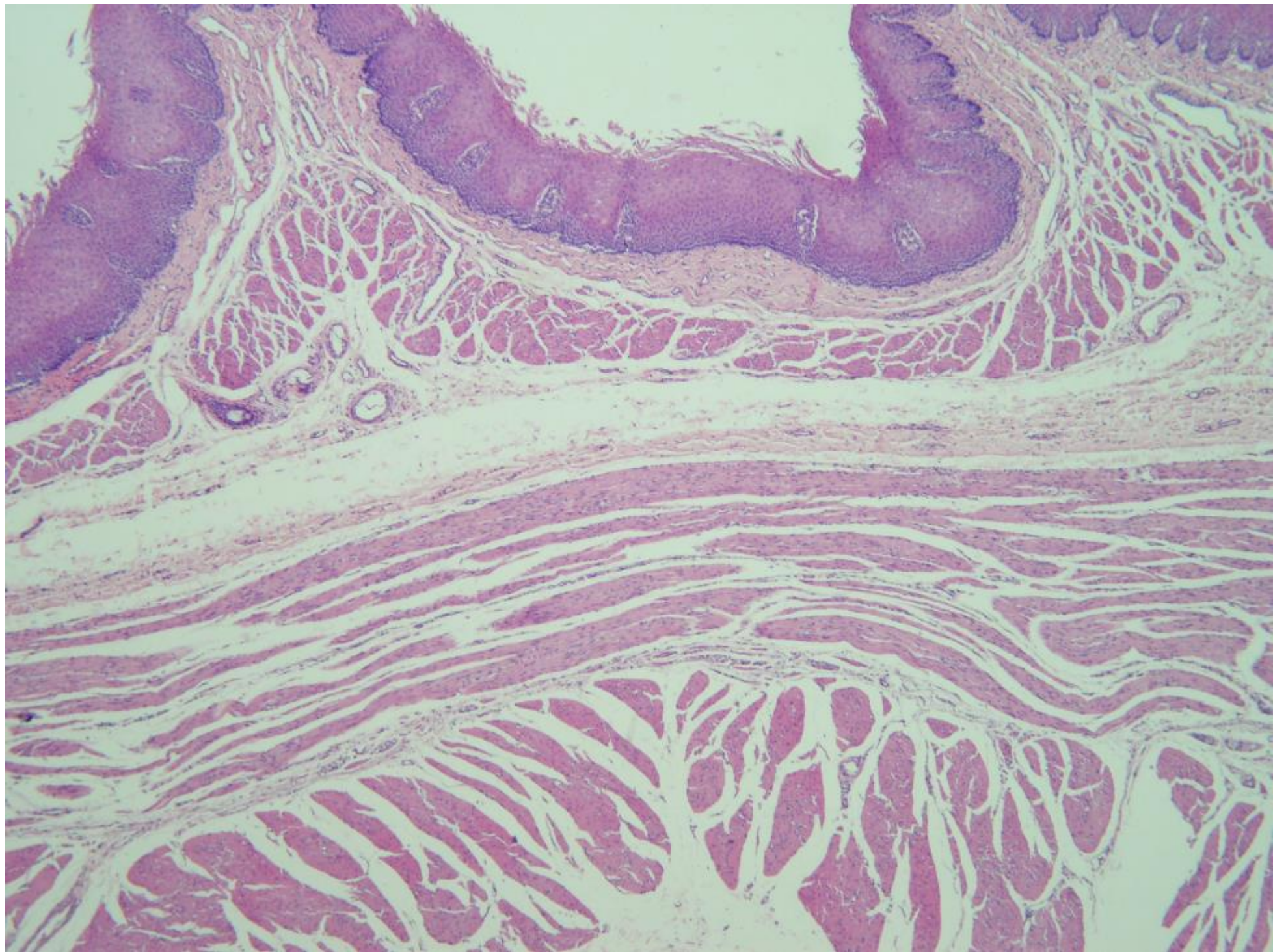




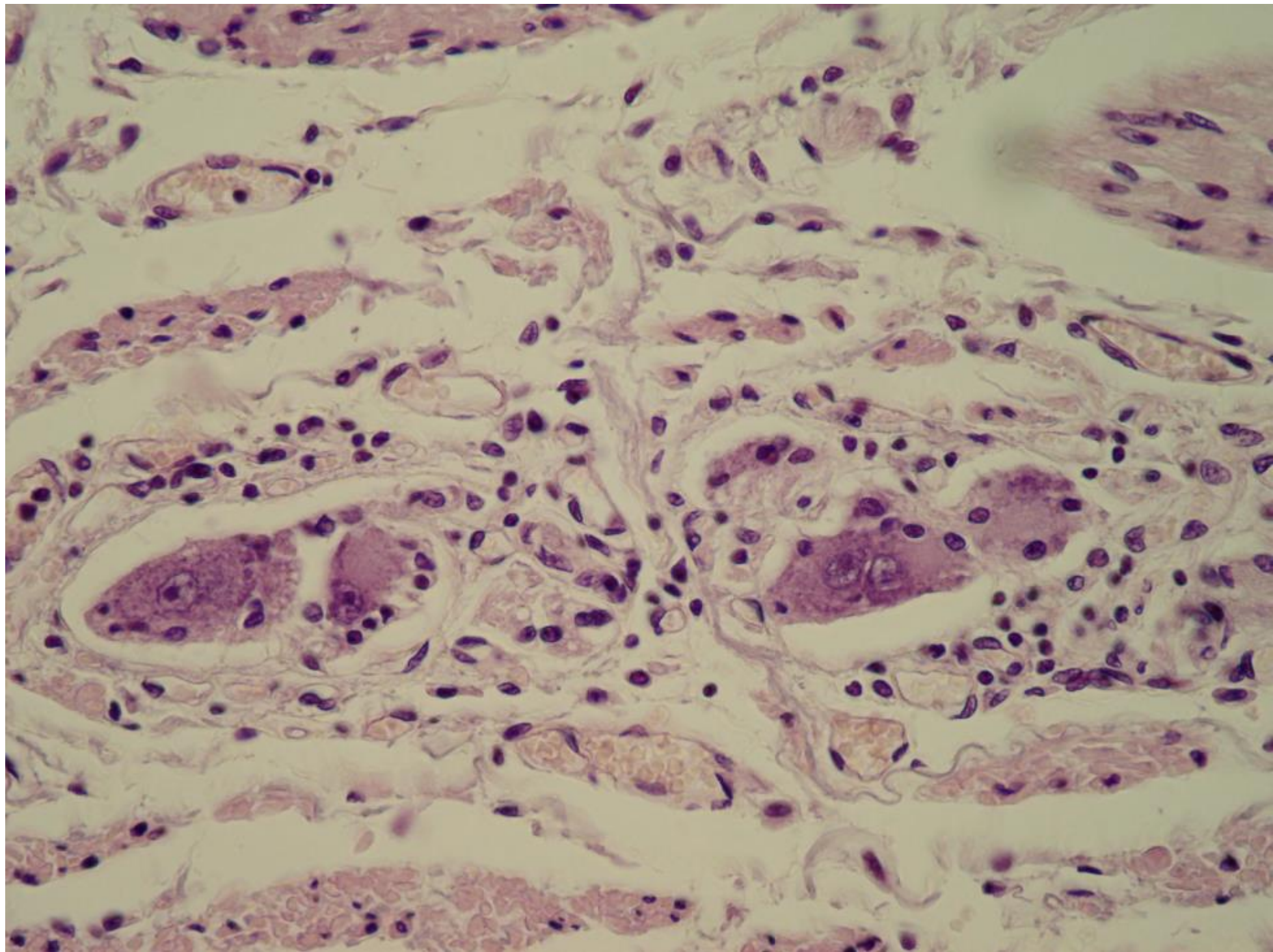
Smooth Muscle
Skeletal Muscle



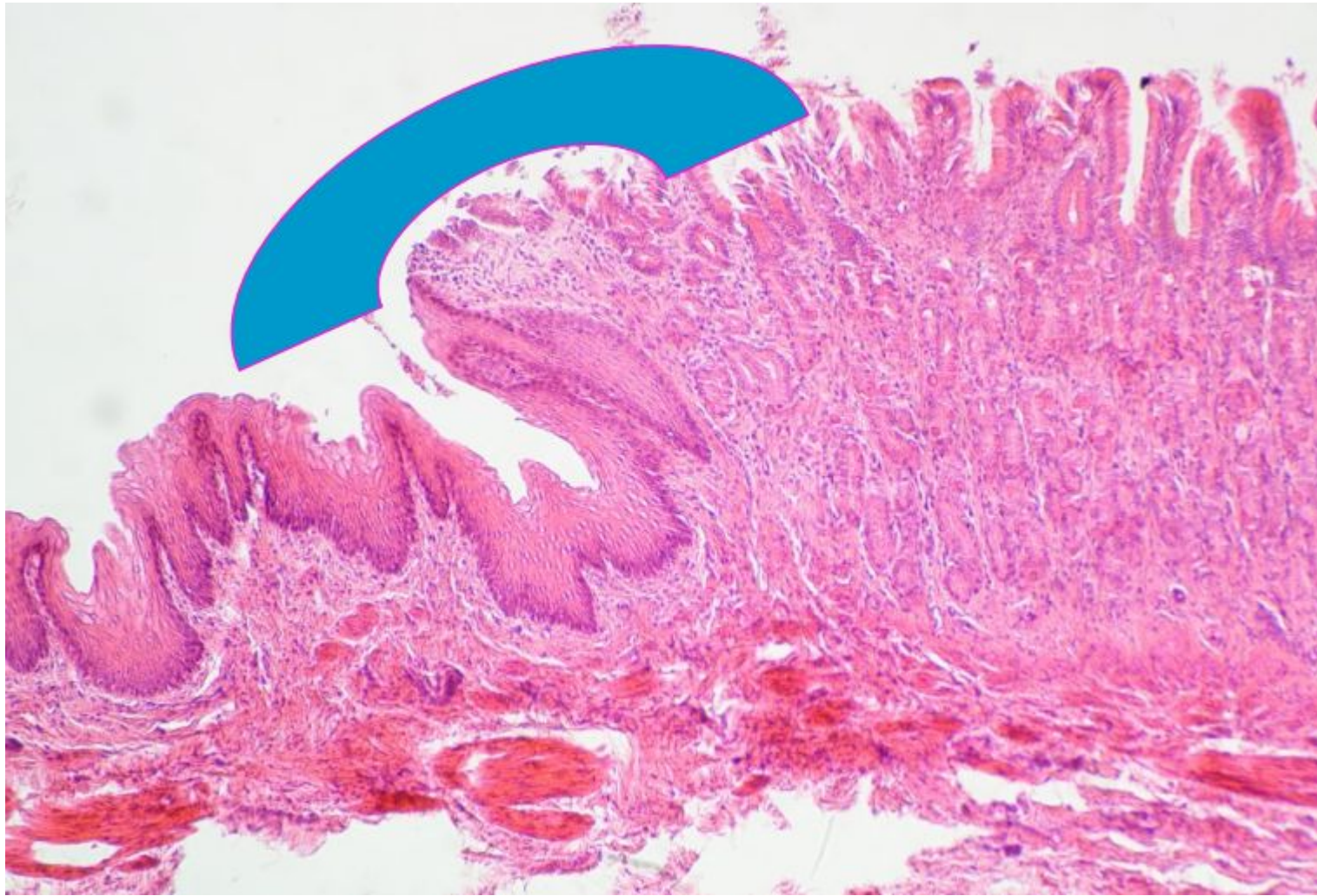
1st arrow Skeletal Muscle
2nd arrow Smooth Muscle



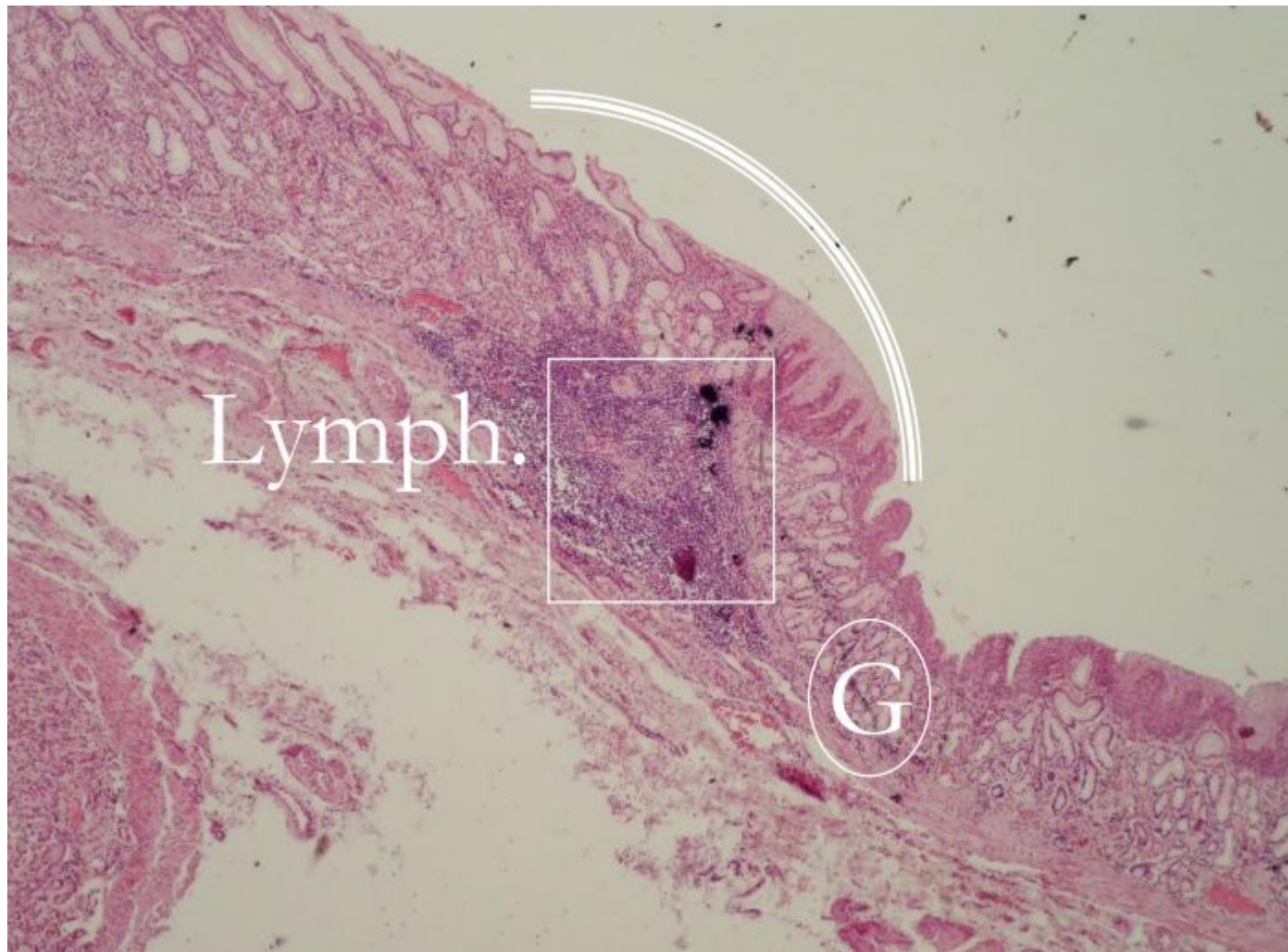
Parasympathetic ganglionintramural (G.I.T.)



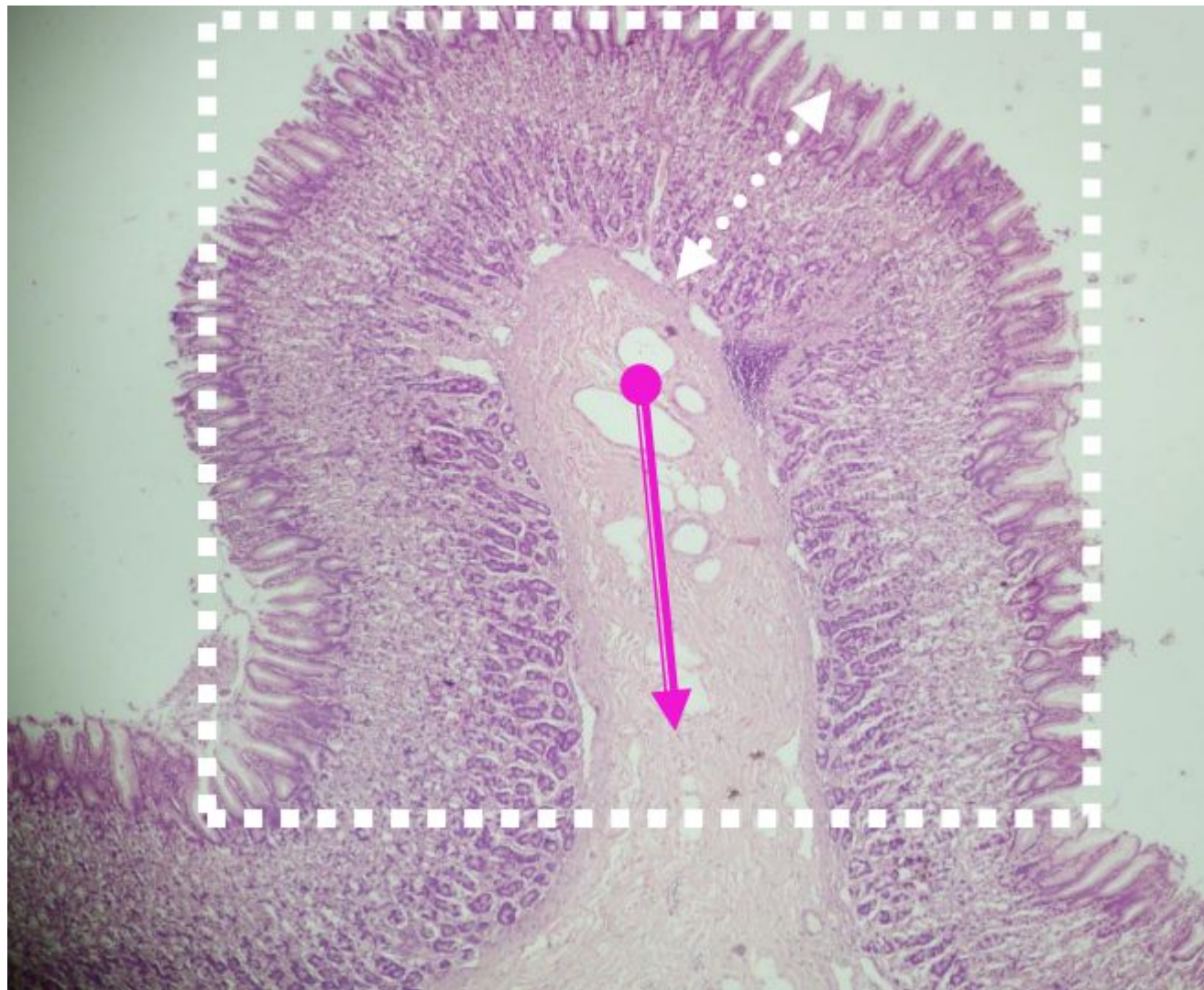
Parasympathetic ganglionintramural (G.I.T.)



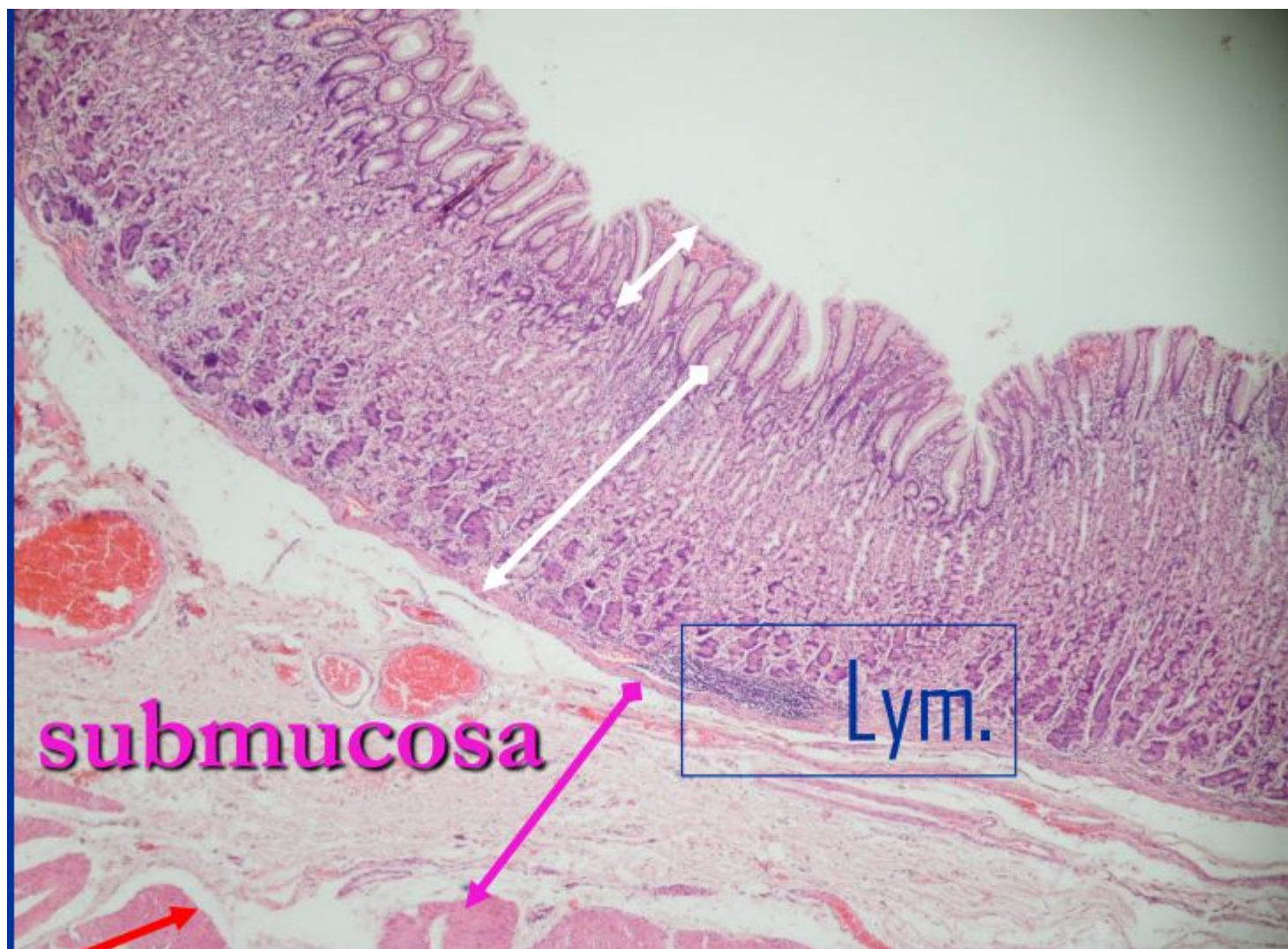
Oesophago-gastric junction



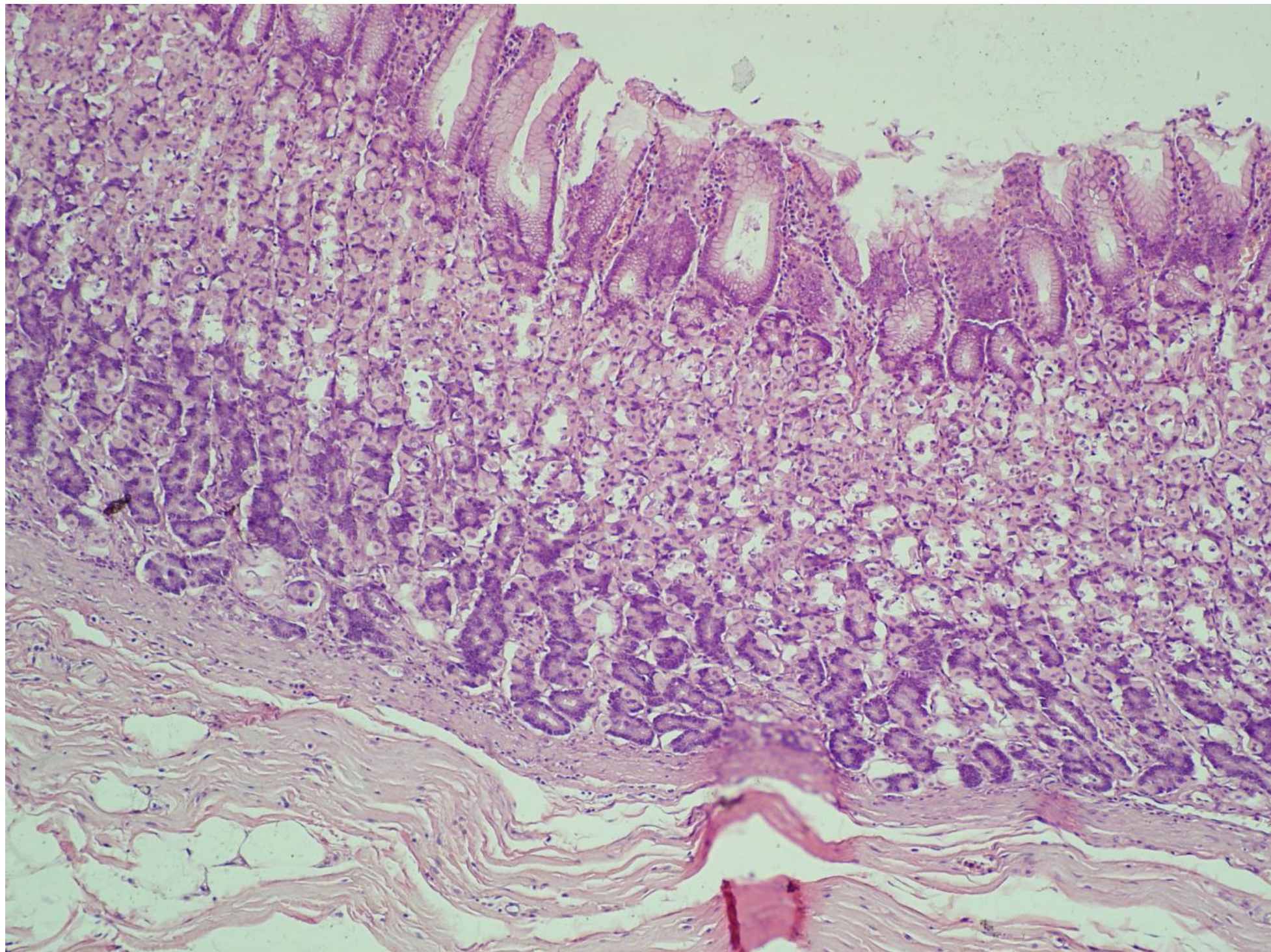
Oesophago-gastric junction



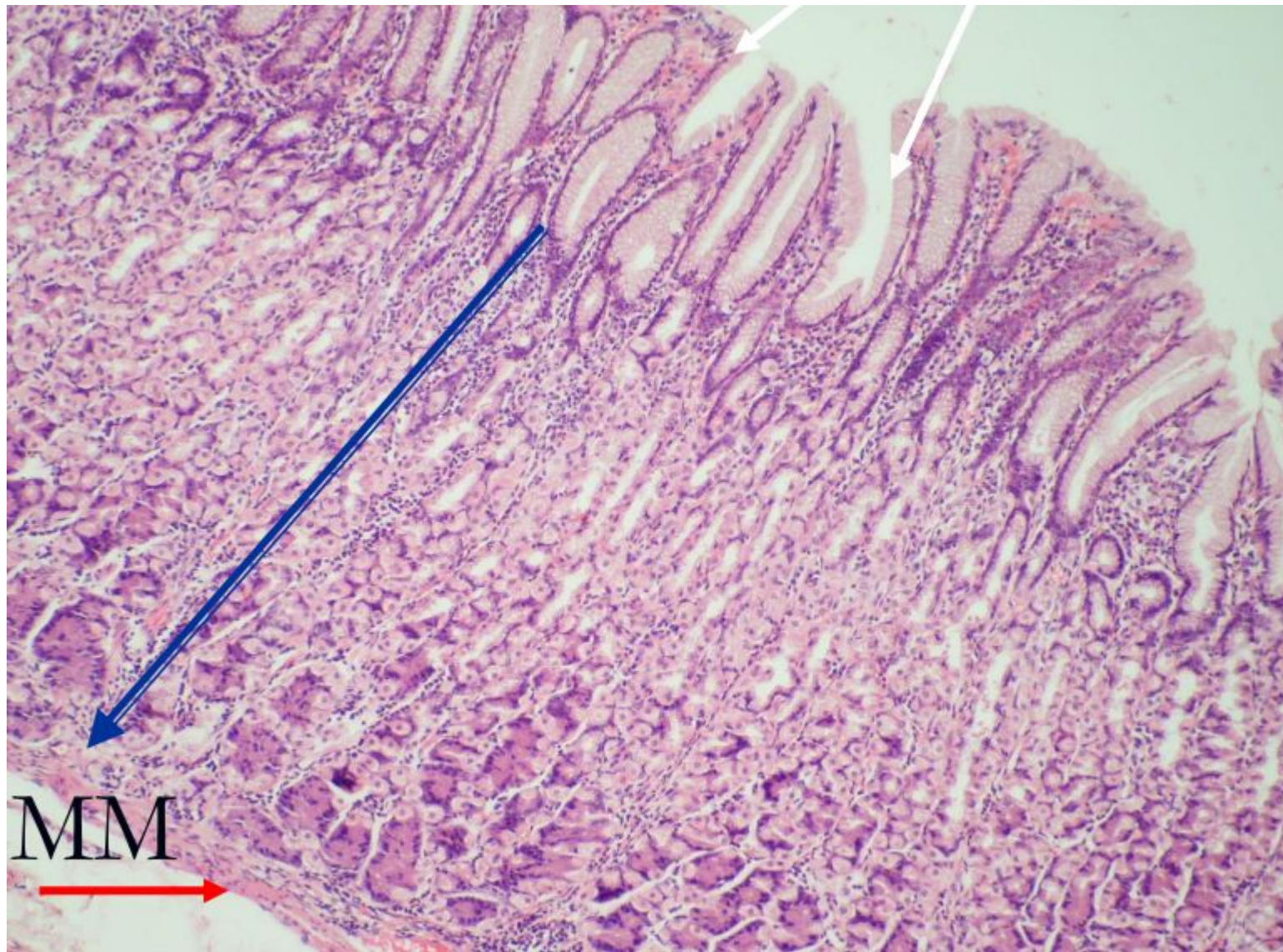
Rugae(stomach):mucosa+
submucosa



Stomach mucous membrane: gastric pit + L.P+ Muscularis
Externa



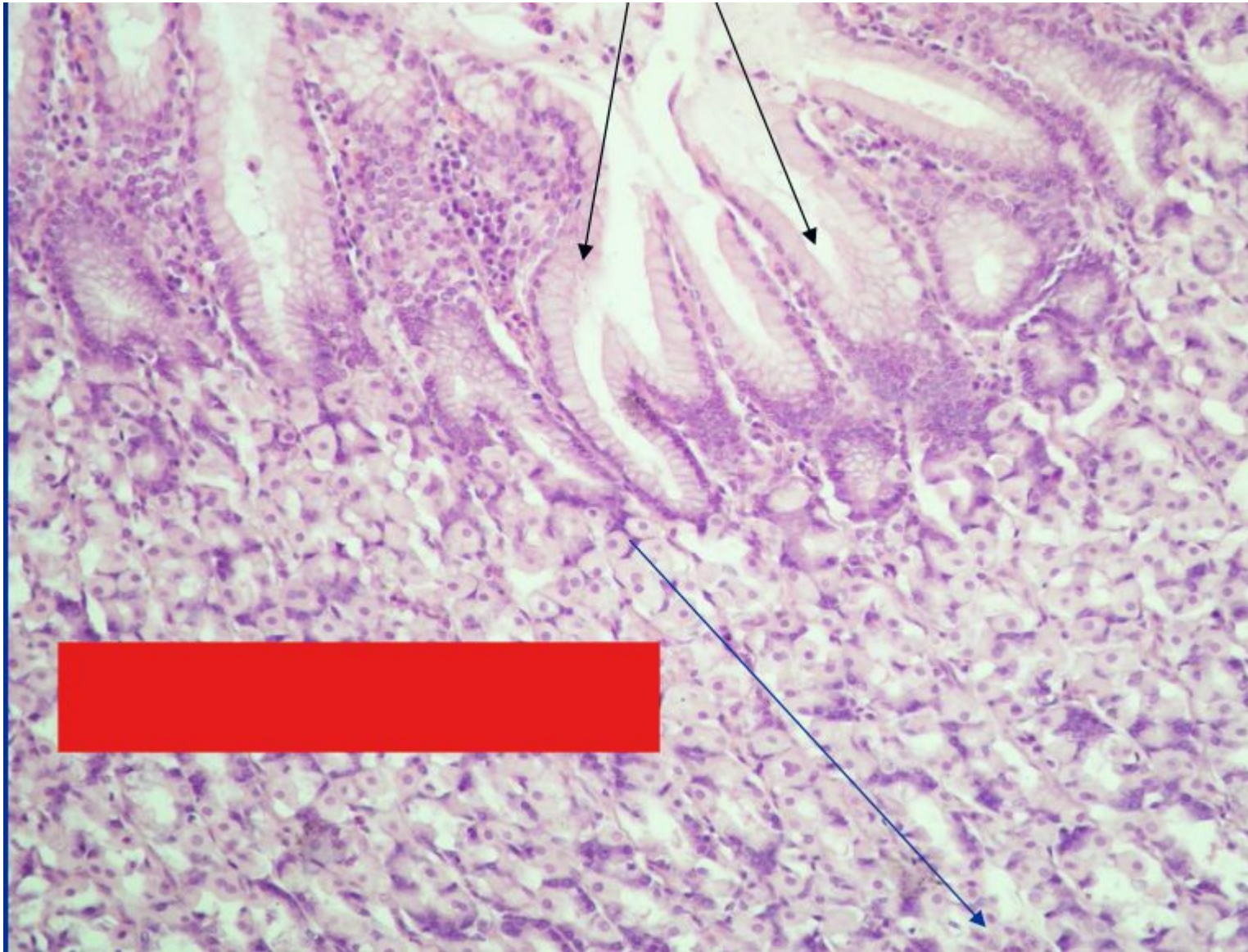
Fundus or body of stomach

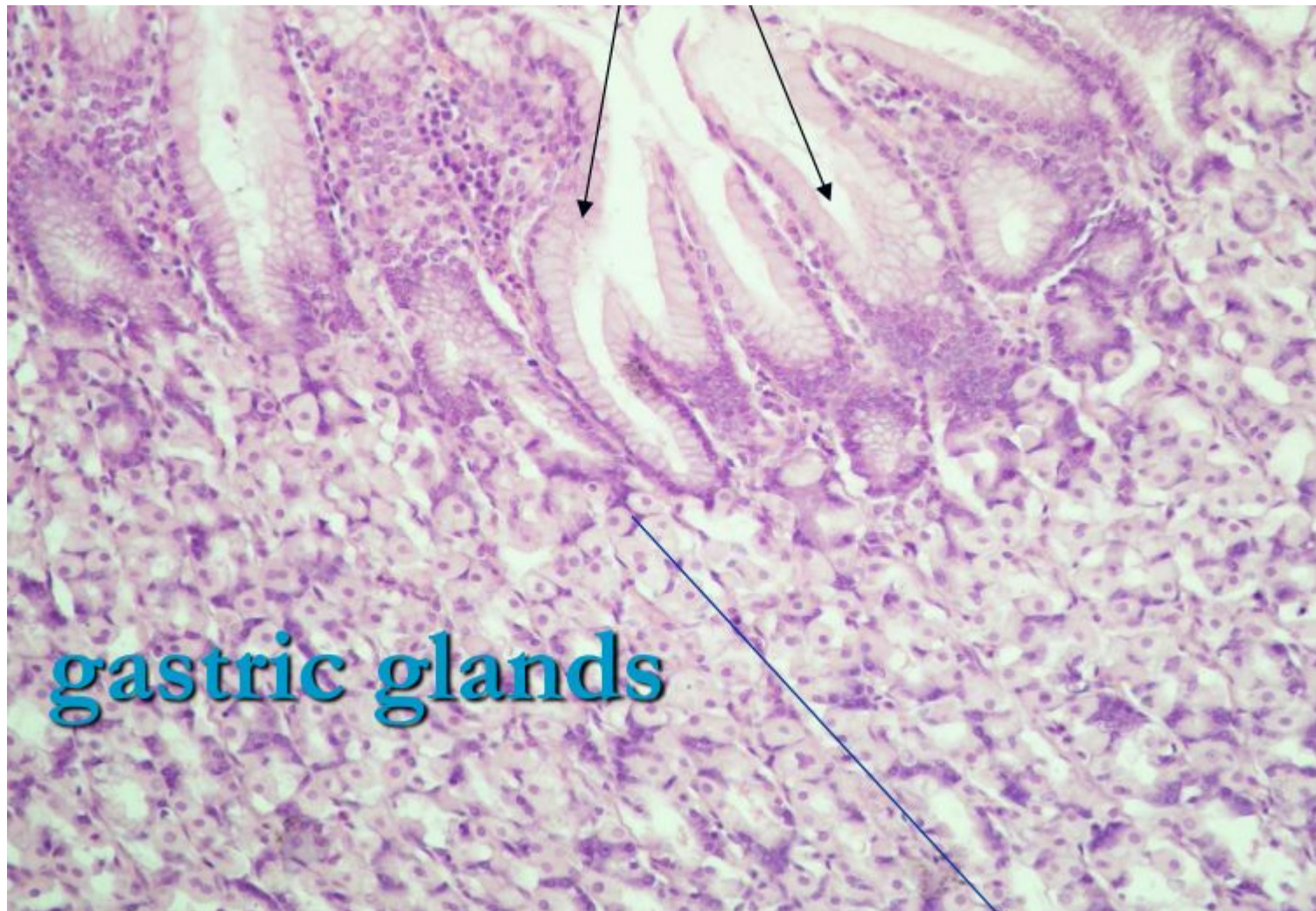


Columnar Epithelium

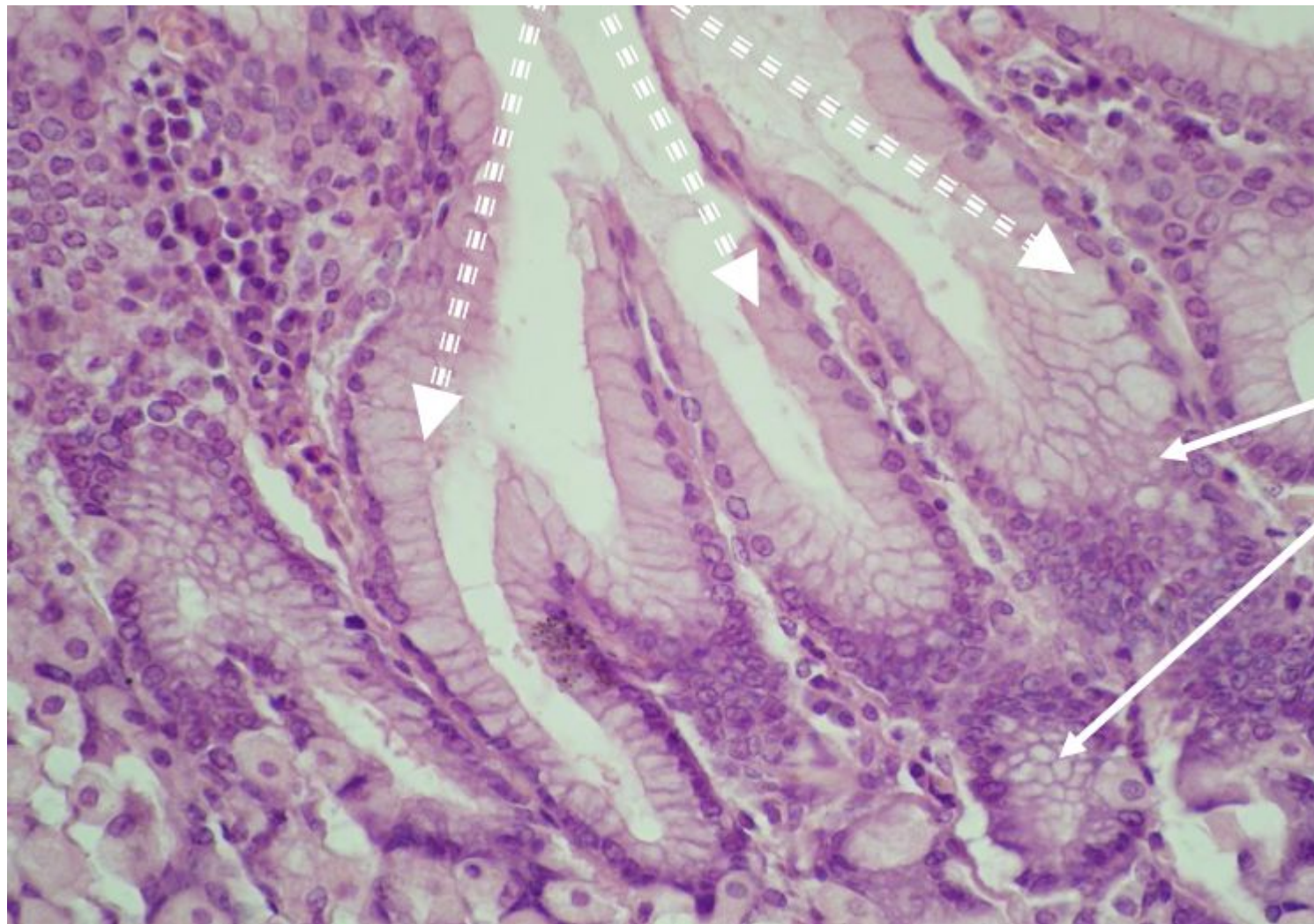
Musclaris Mucosae

Gastric Glands

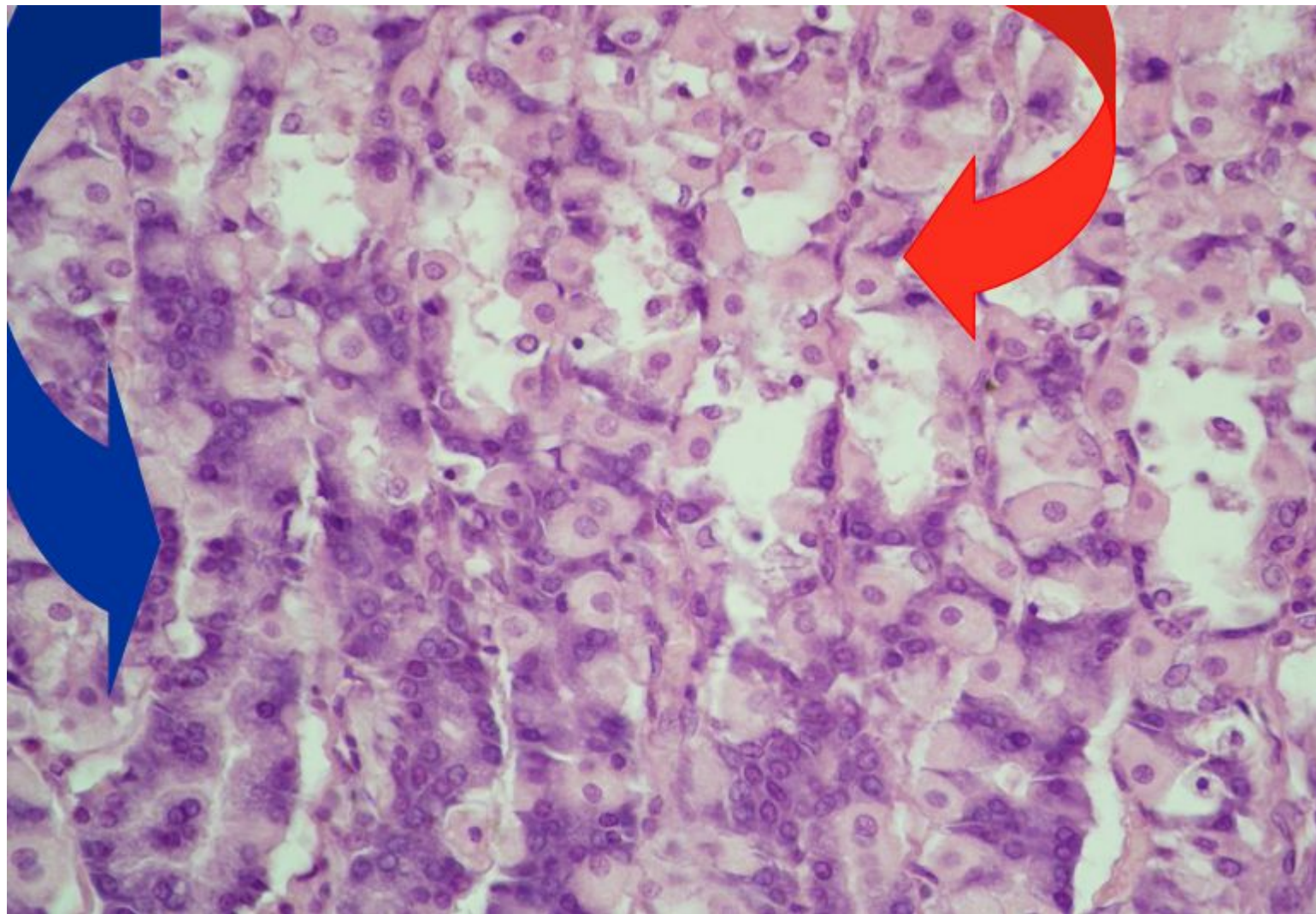




Black arrows: Simple branched tubular gland



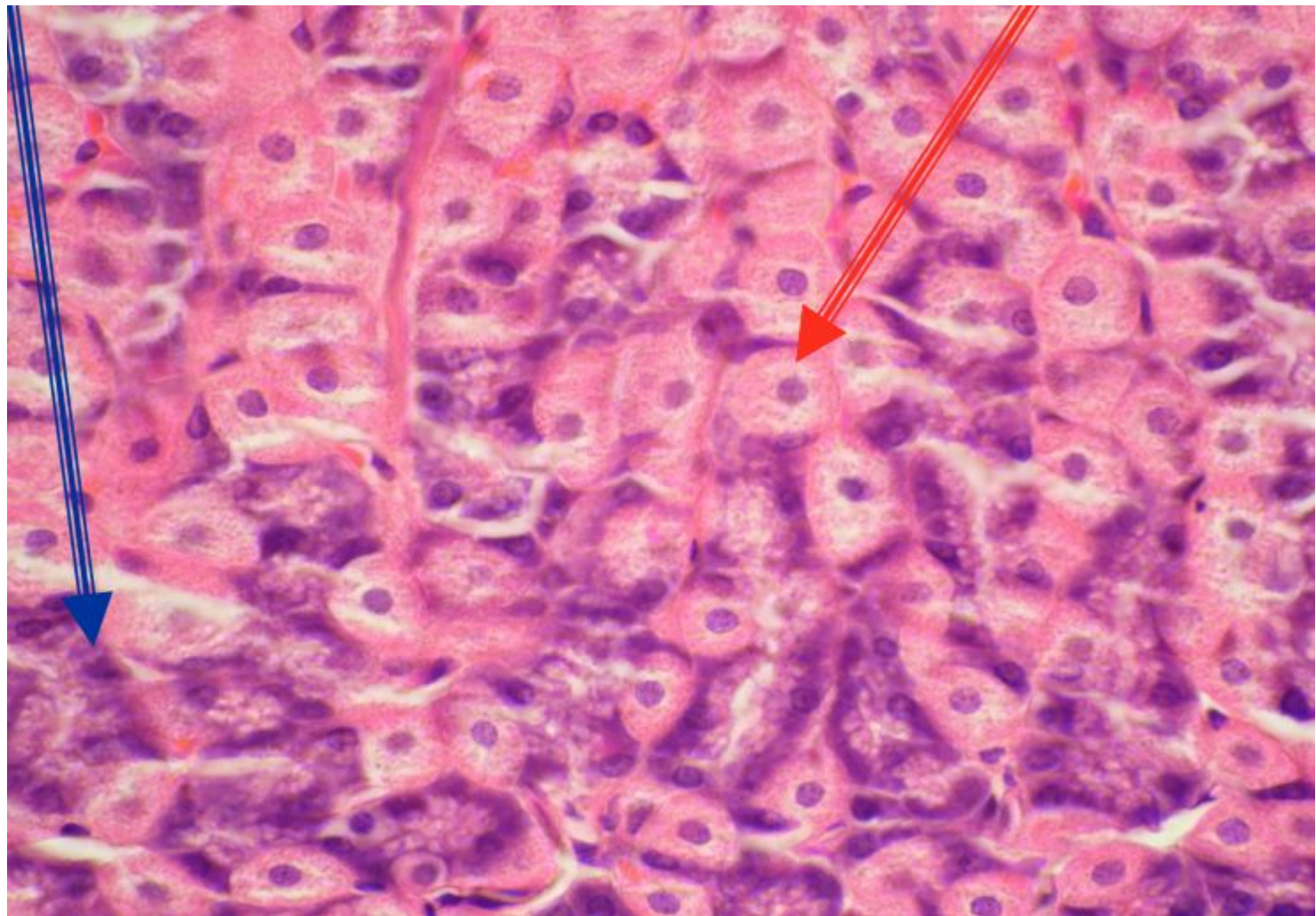
Dashed Arrows: Mucous secreting surface cells
Straight Arrows : Neck mucous cells



Blue: Chief Cells

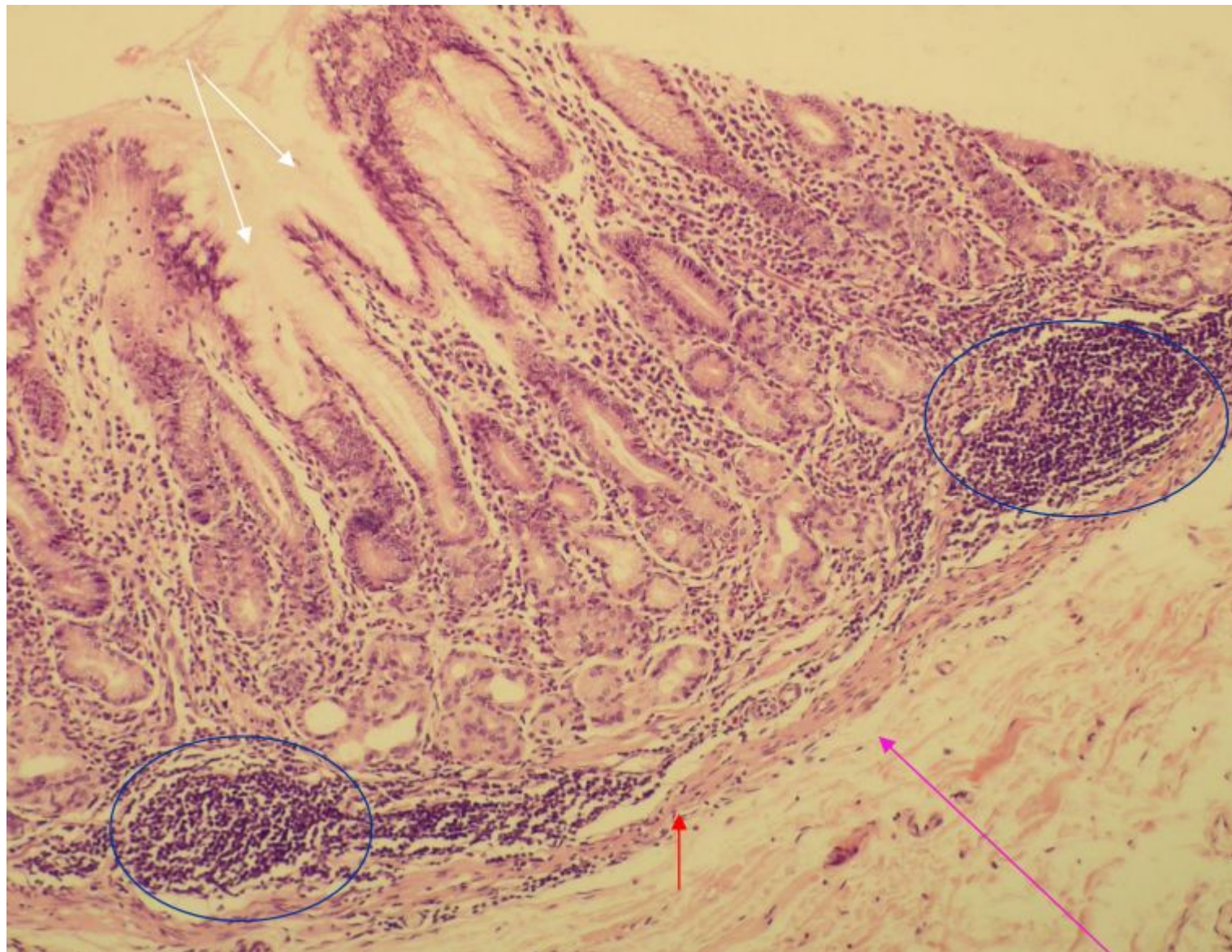
Red: Parietal Cell

(Very Imp Dr asked multiple questions on similar slides)



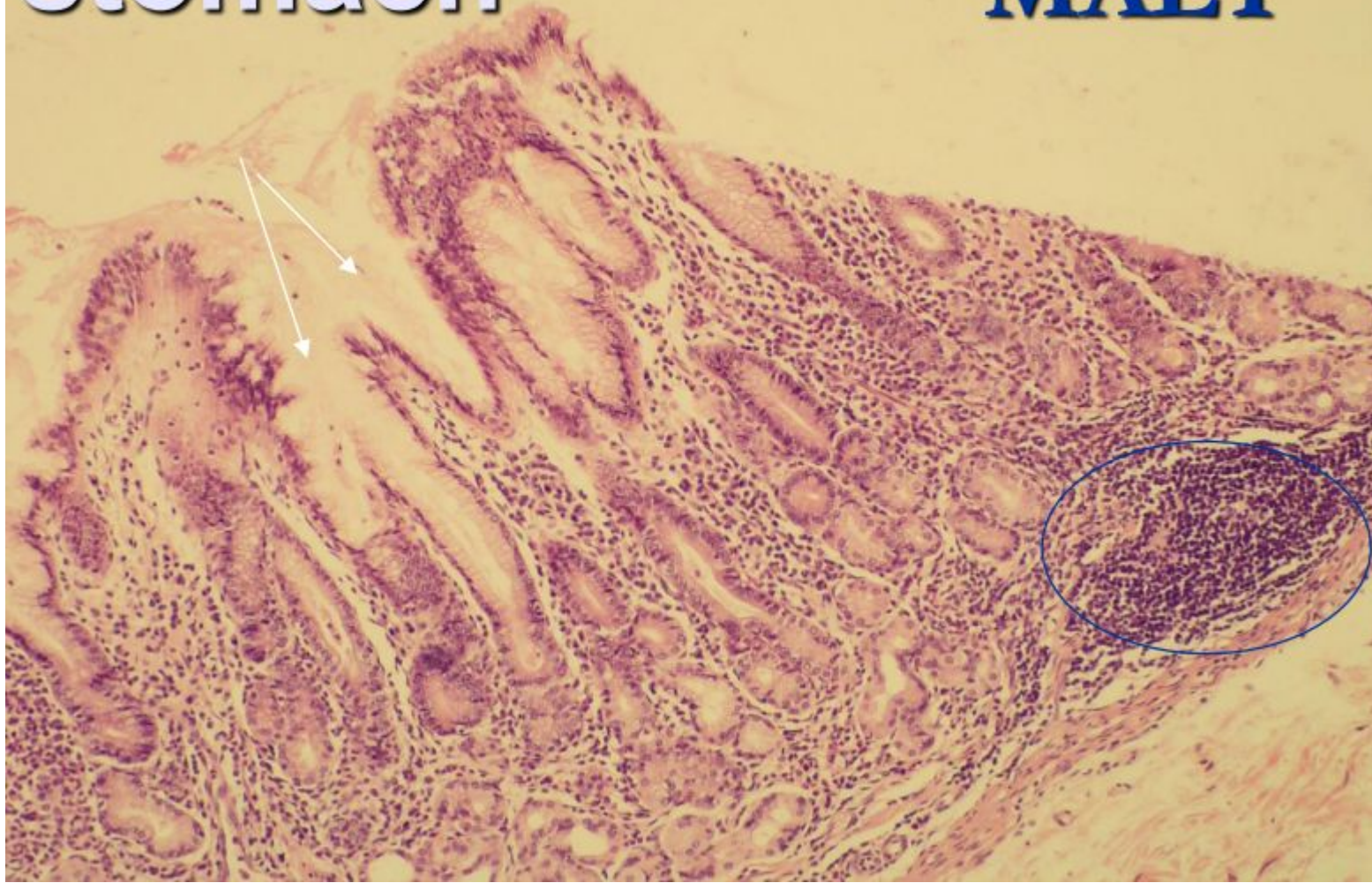
Blue : Chief Cells

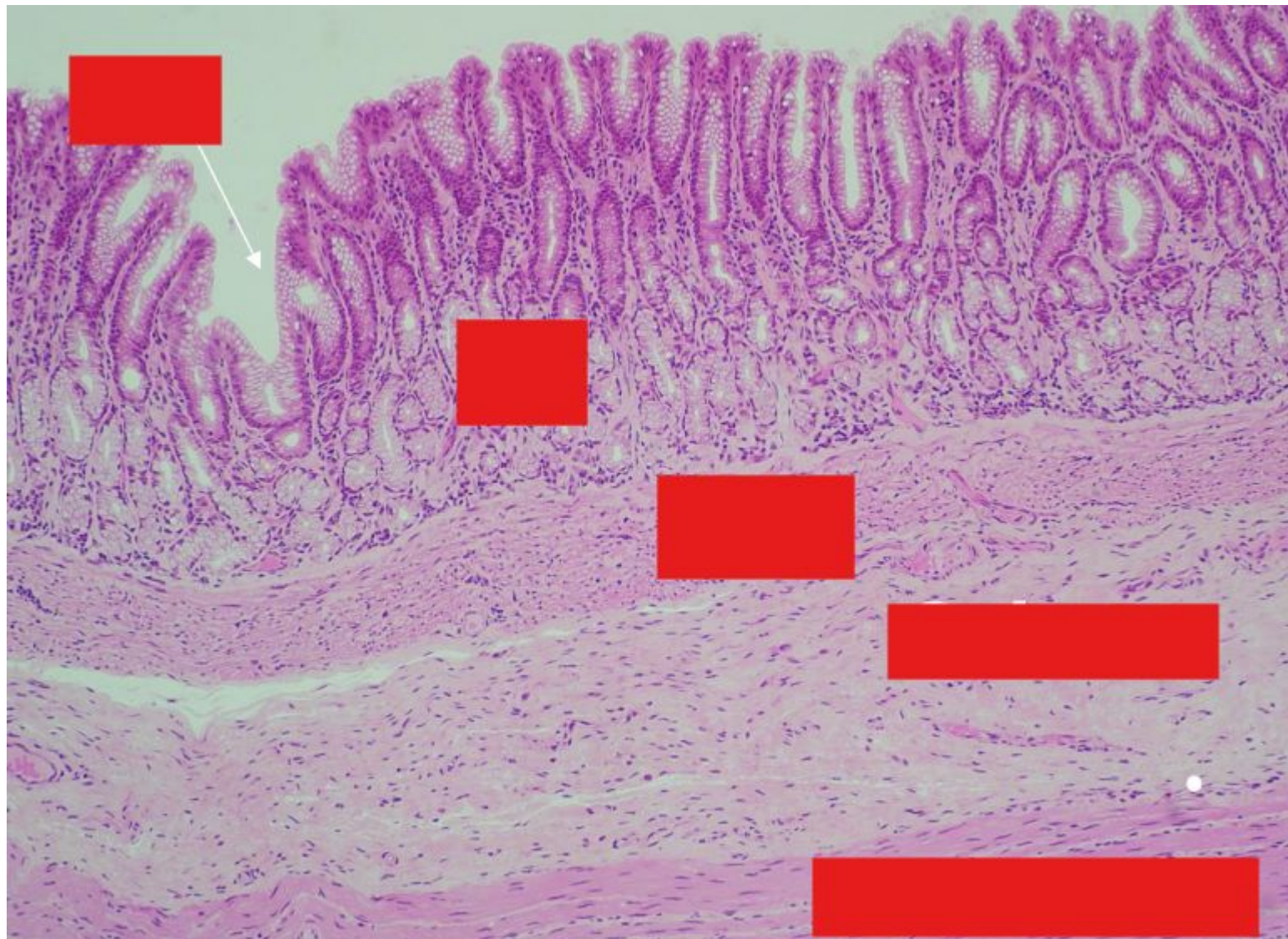
Red: Parietal Cell

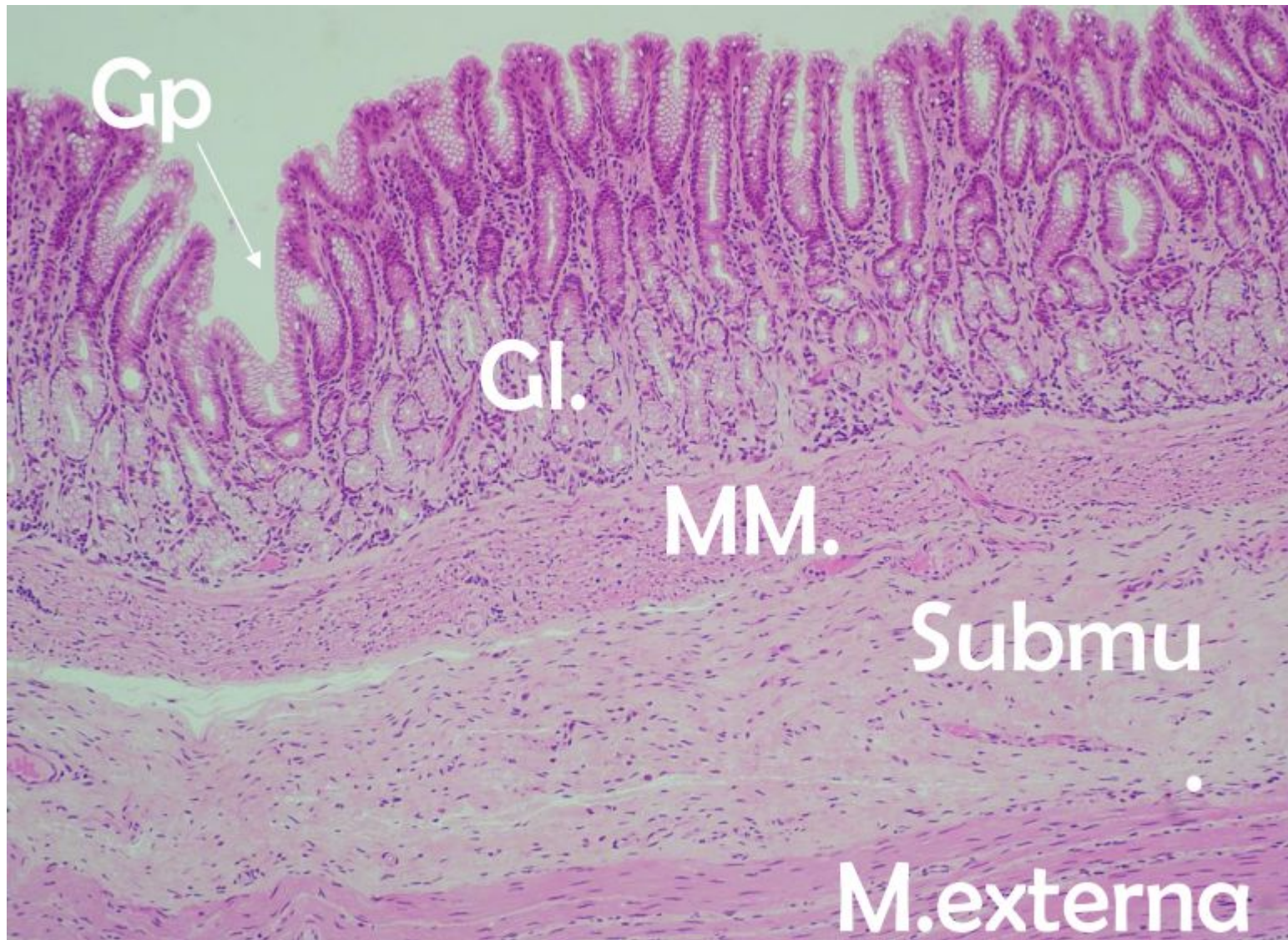


**Pyloric
stomach**

MALT





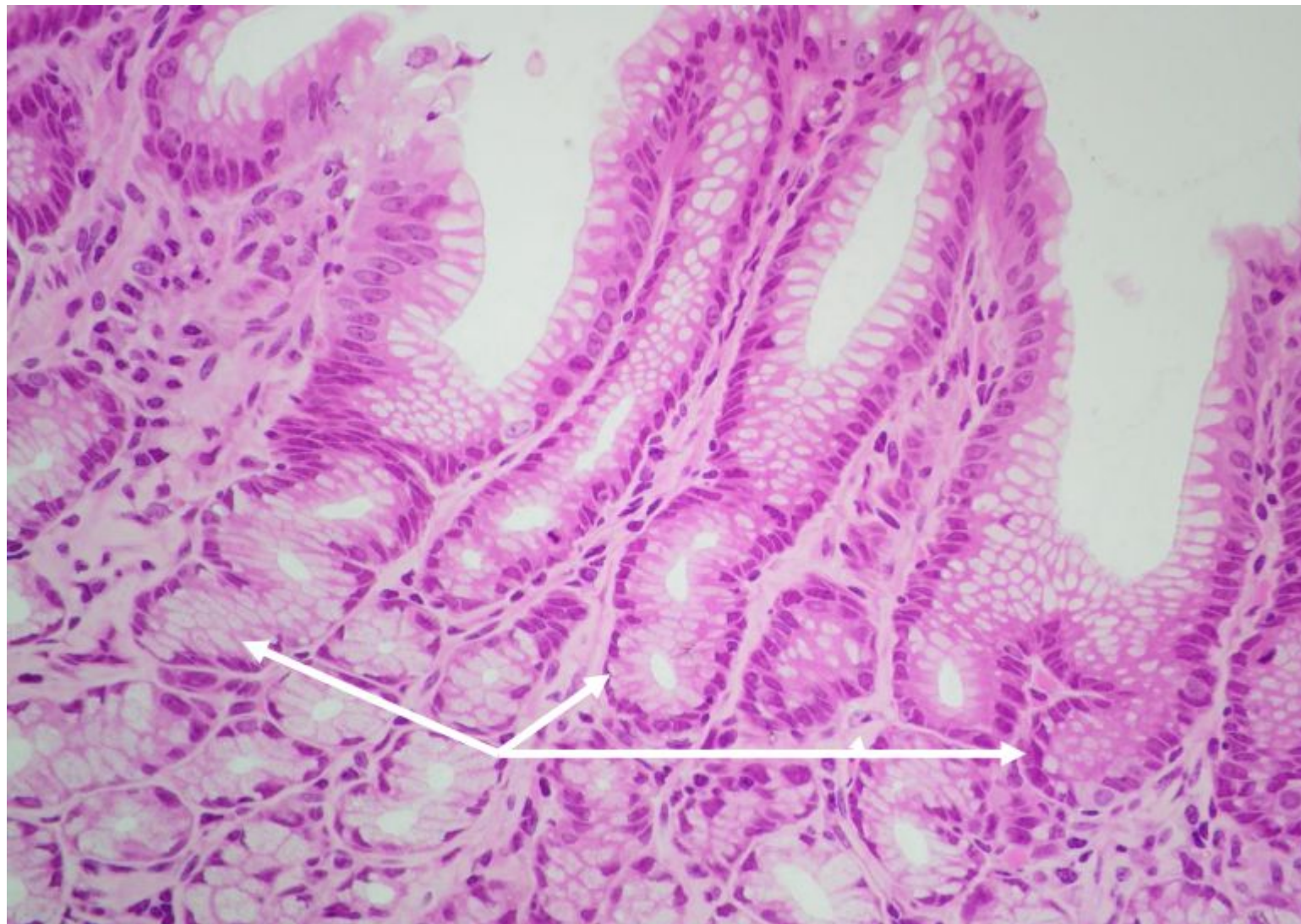


Pyloric Stomach ;

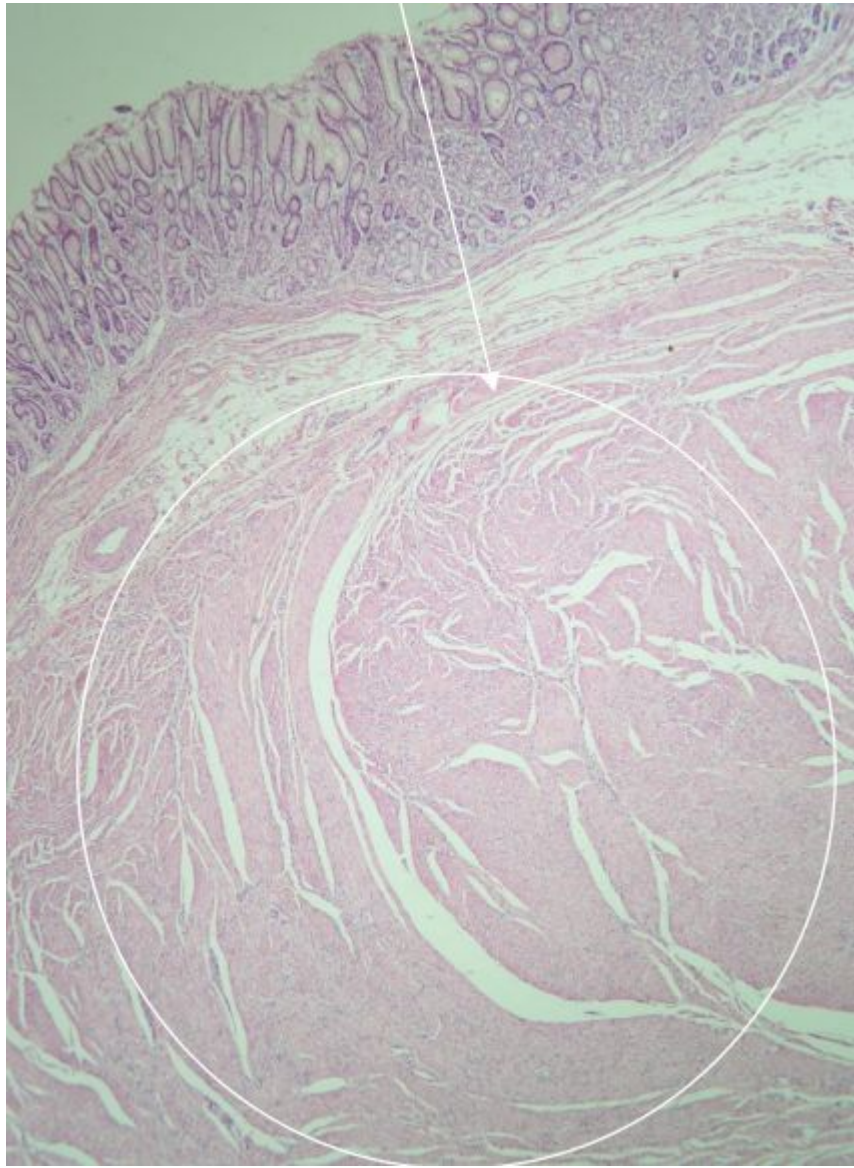
GP: Gastric Pit

Gl: Gastric Glands

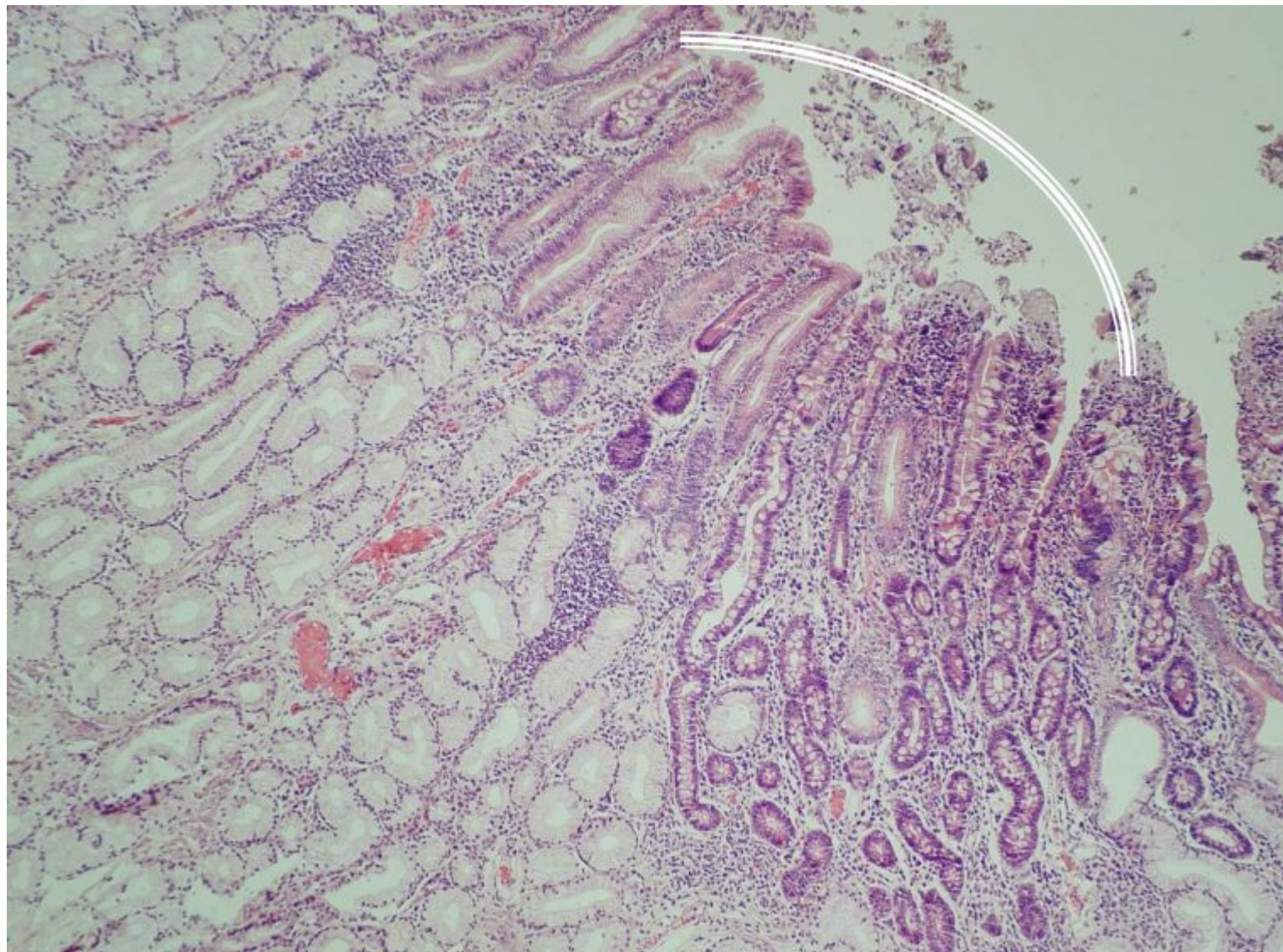
MM: Muscularis Mucosae



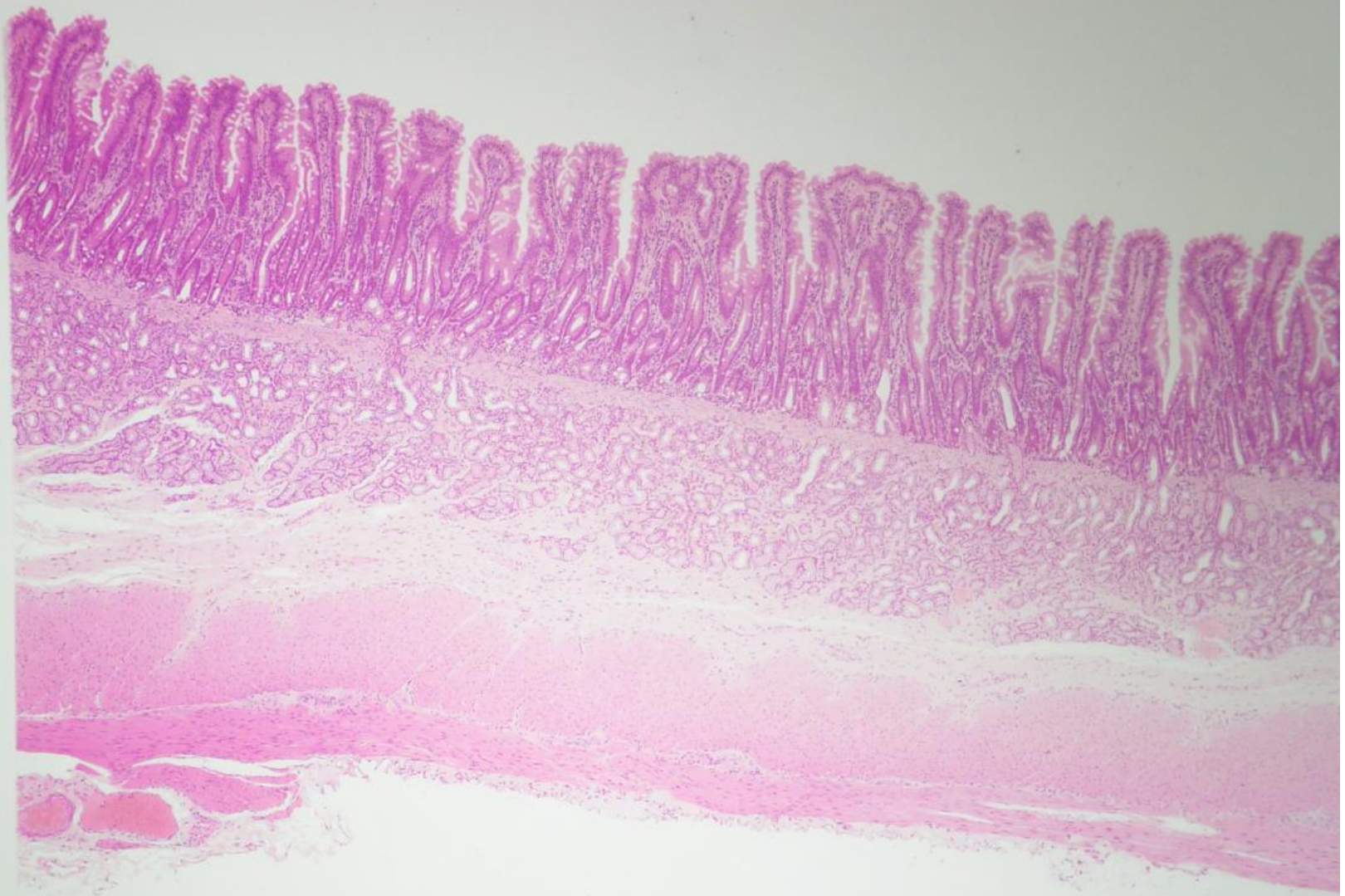
Pyloric glands simple branched tubular coiled
glands(mucous cells)



Pyloric Sphincter

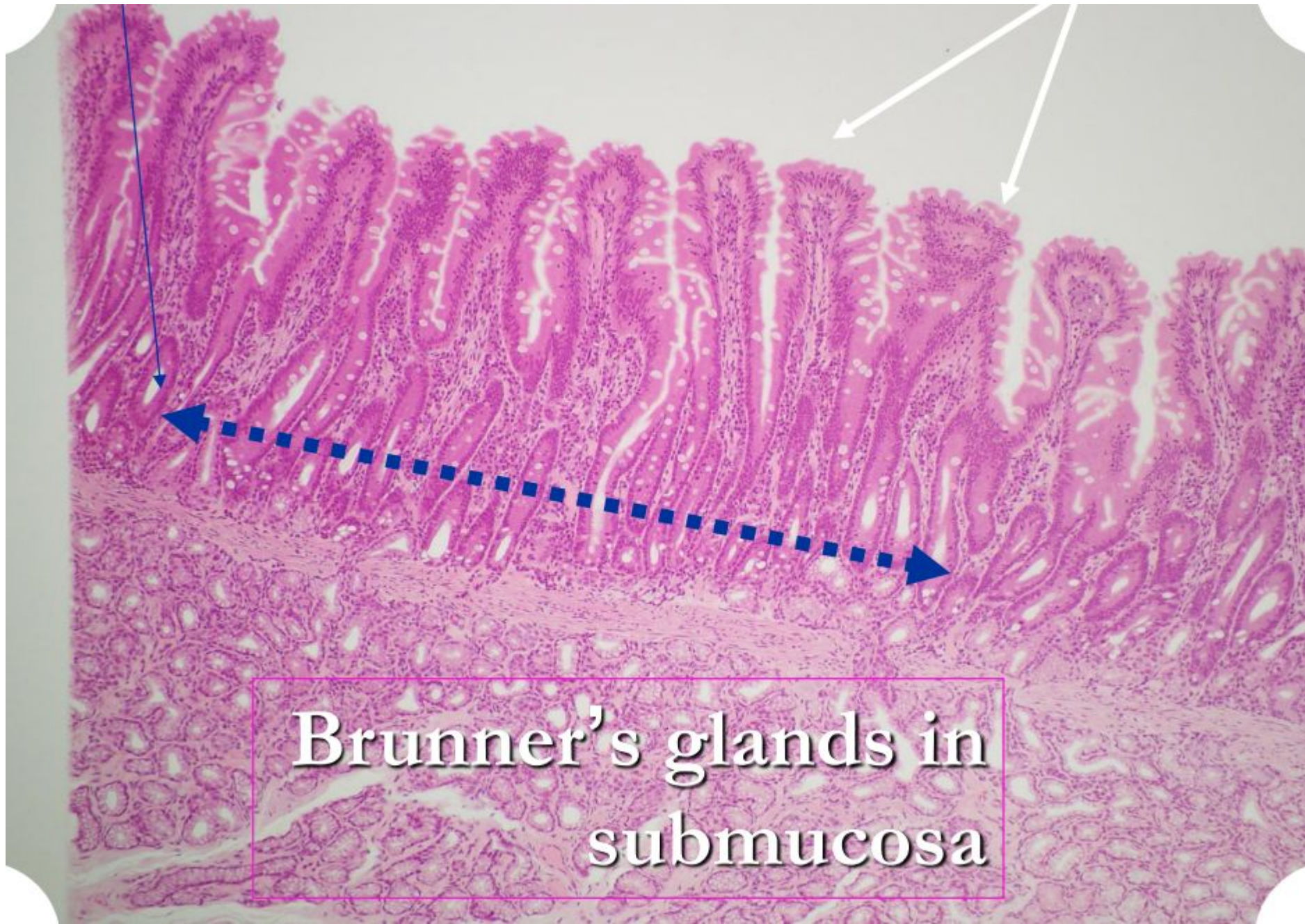


Pyloric- duodenal junction

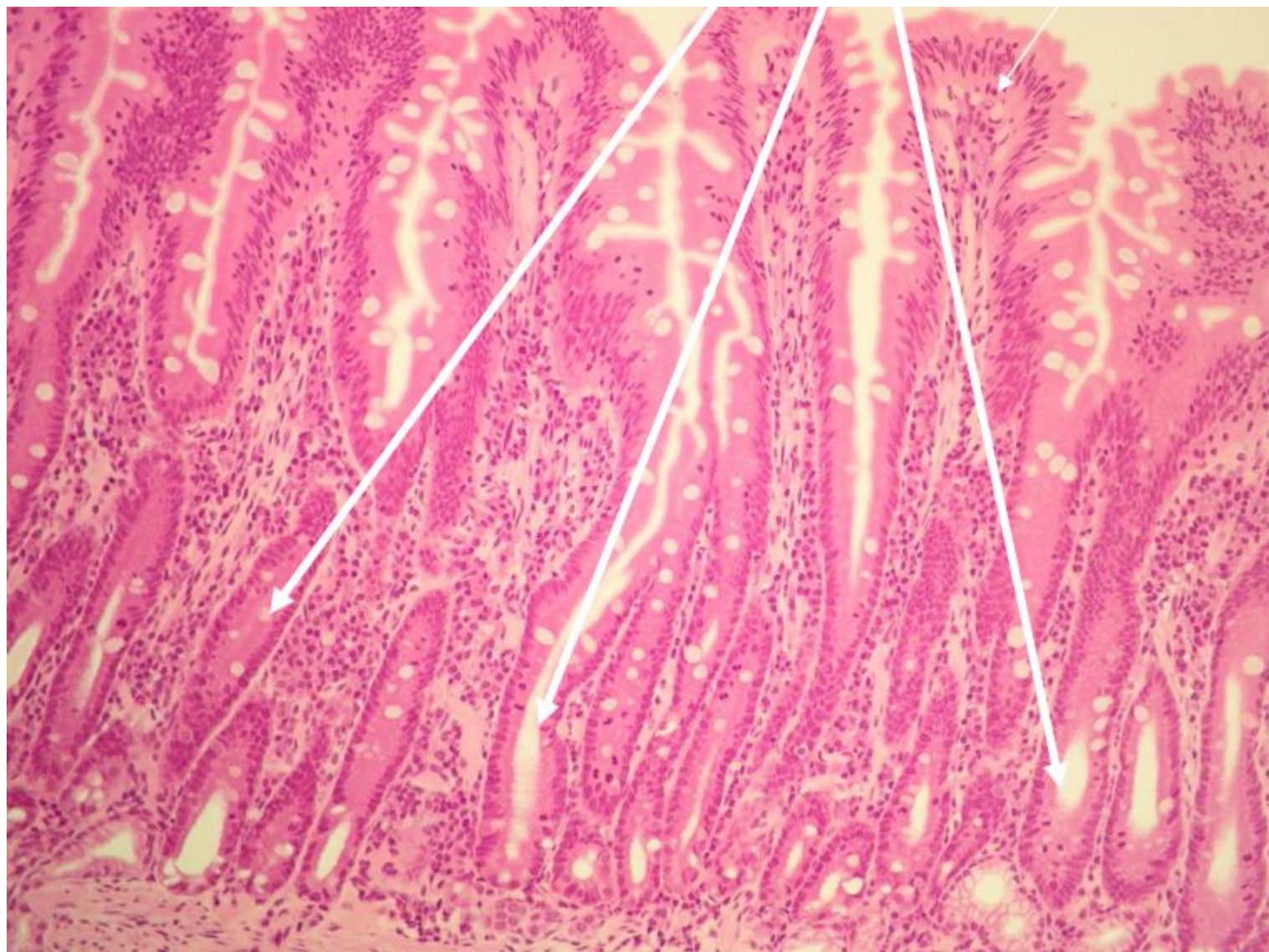


Duodenum

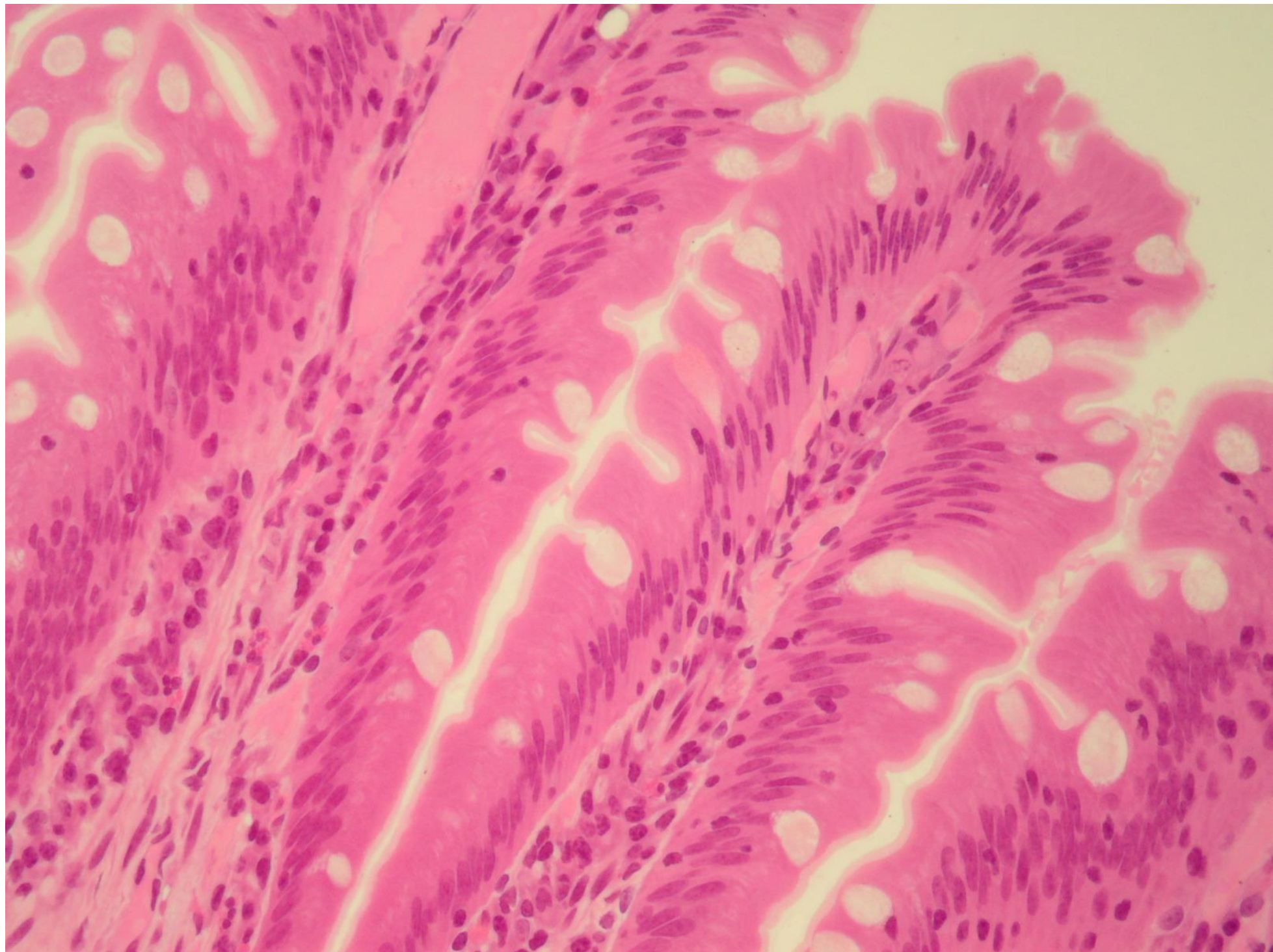




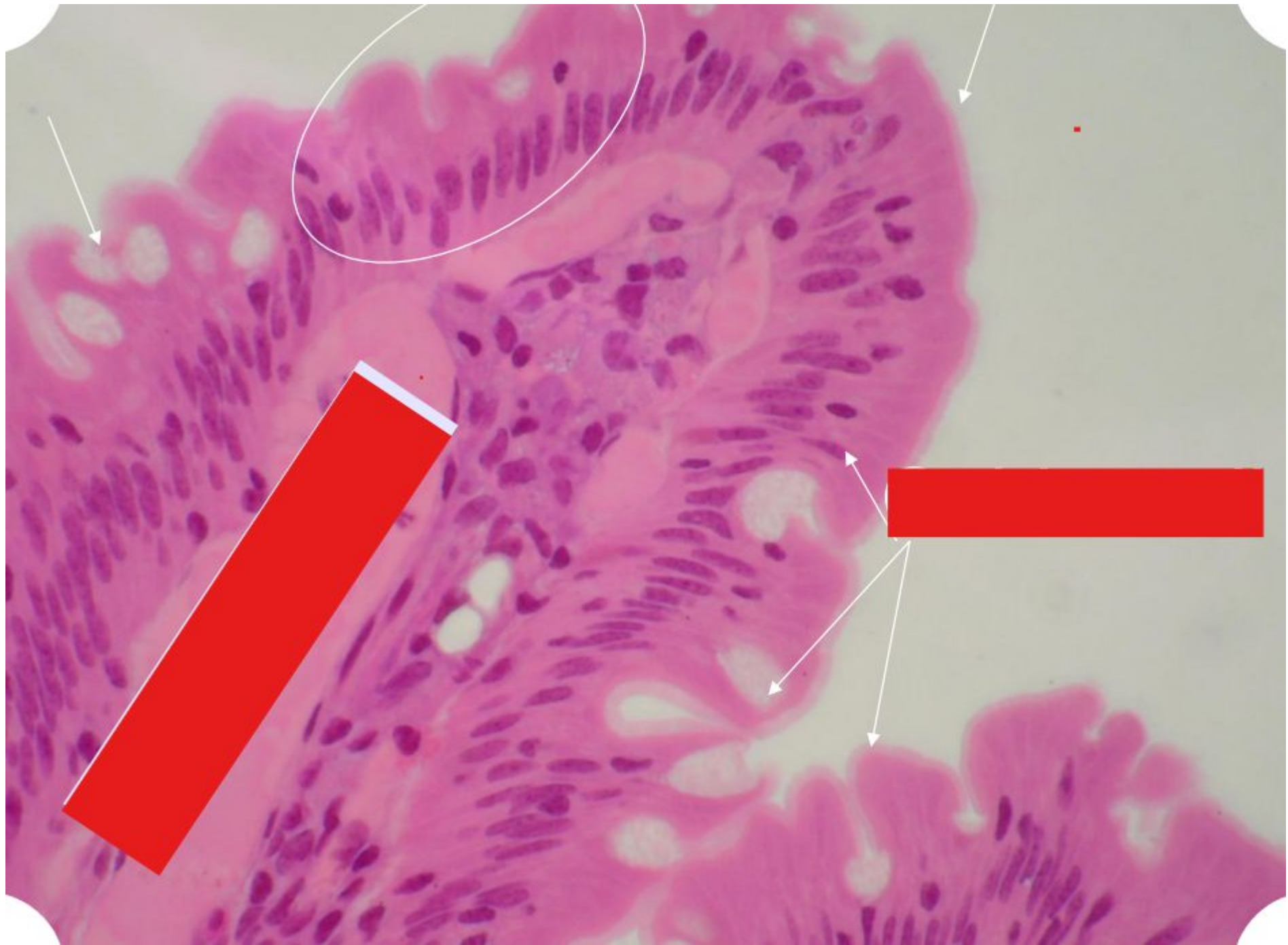
Intestinal Glands dashed line across
White arrows are villi



Crypts of Lieberkuhn

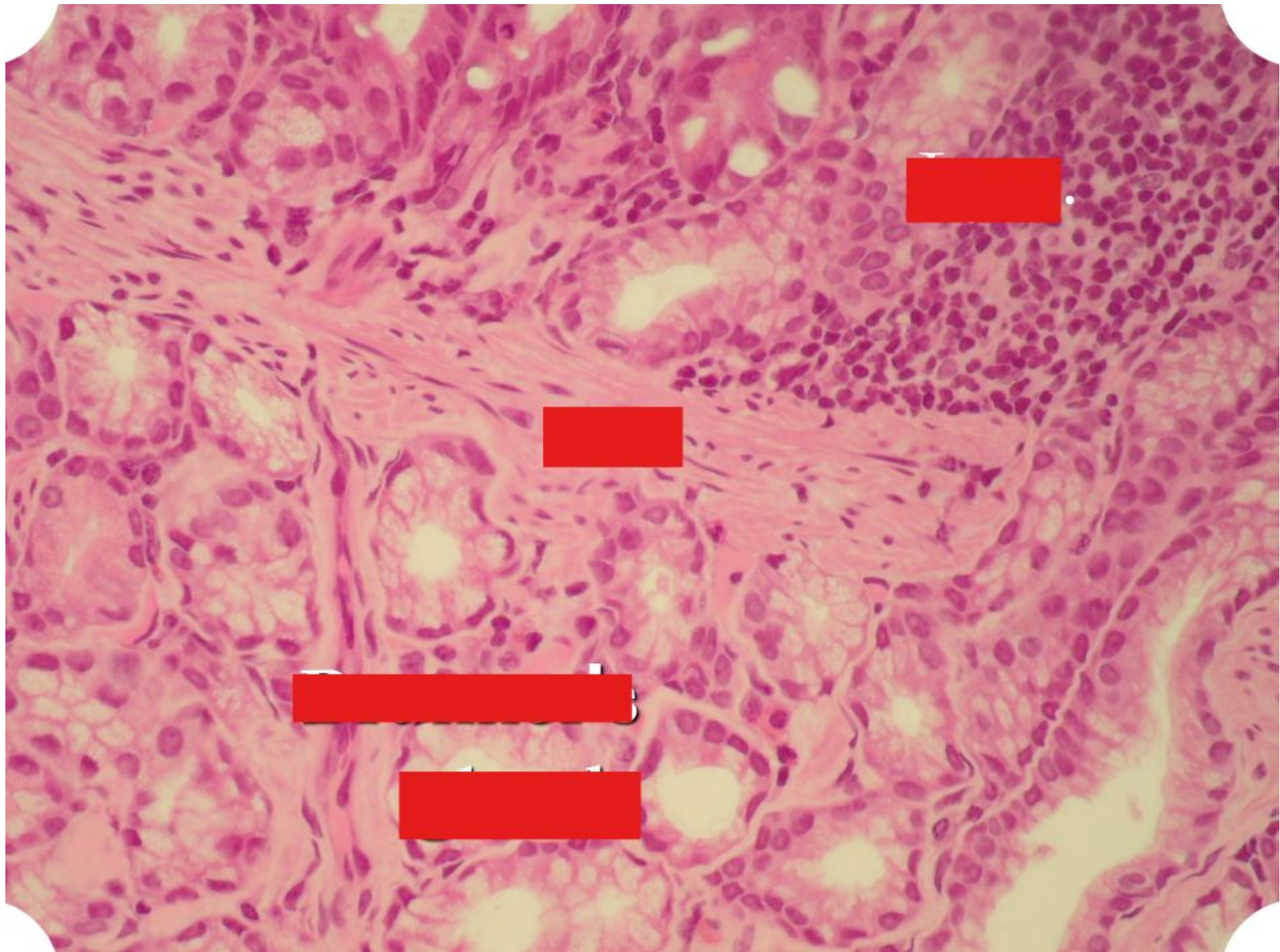


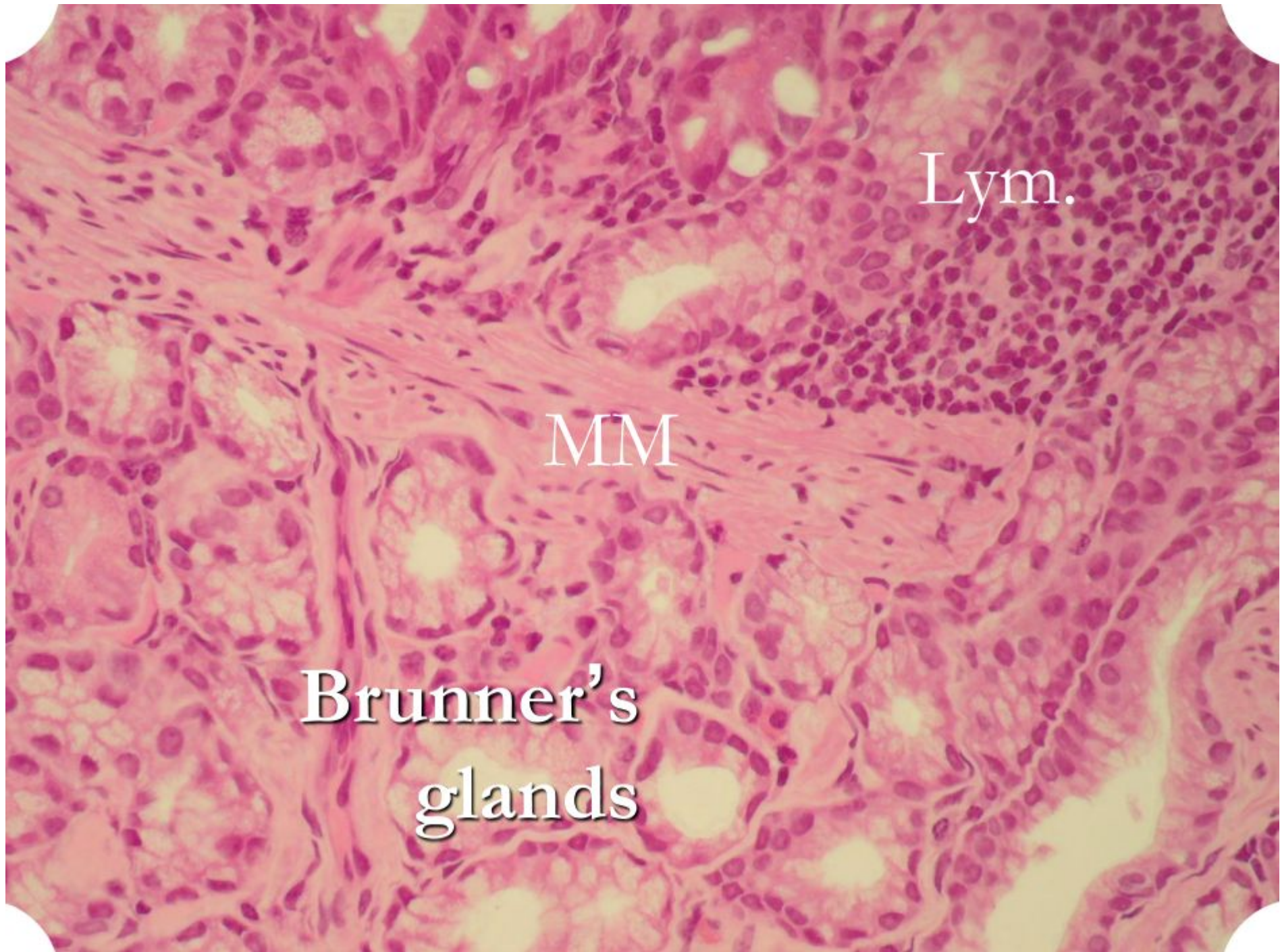
Lamina propria between Villi in Small intestines



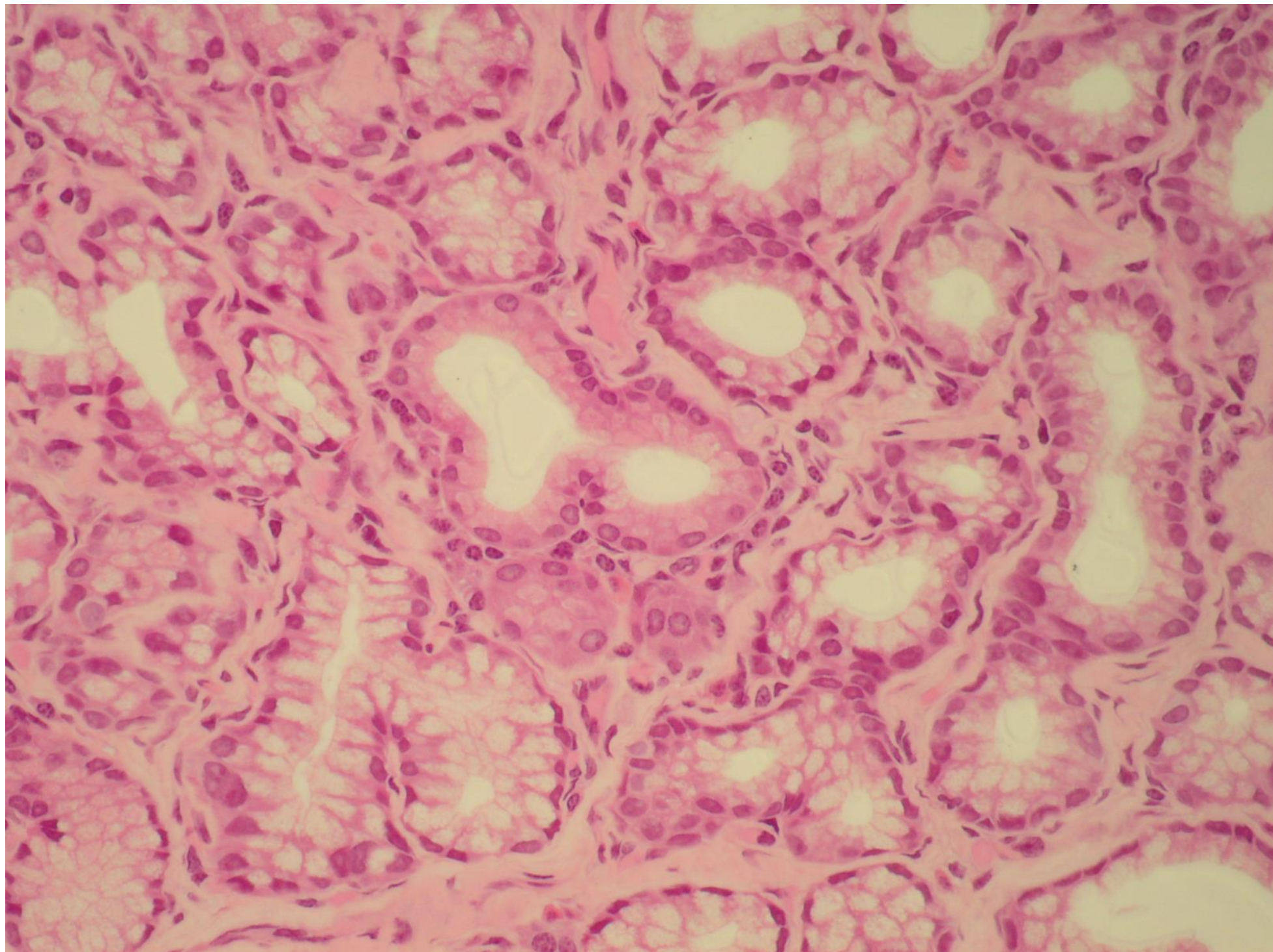


White Circle: Surface absorptive cells (simple columnar with brush border)

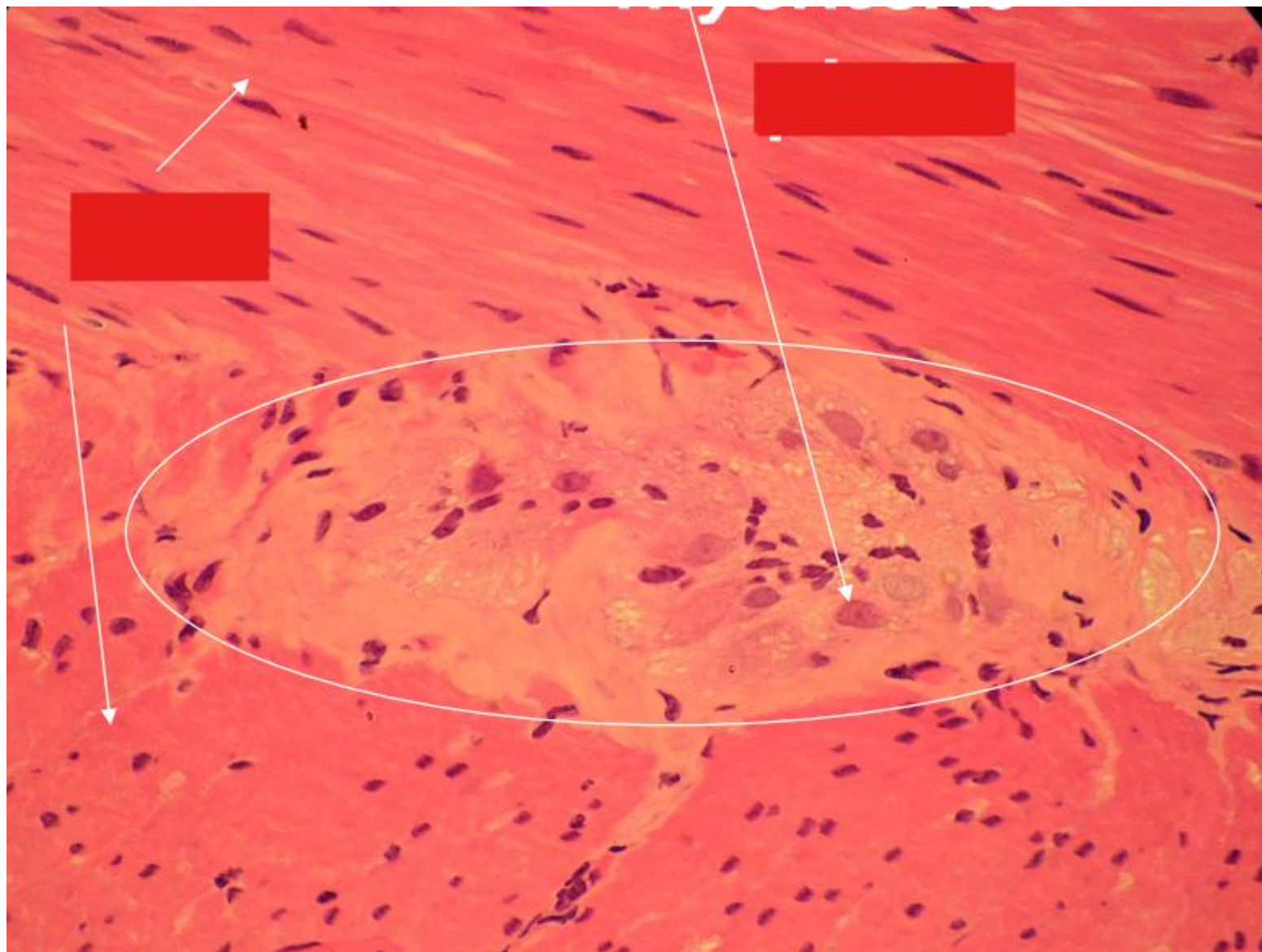


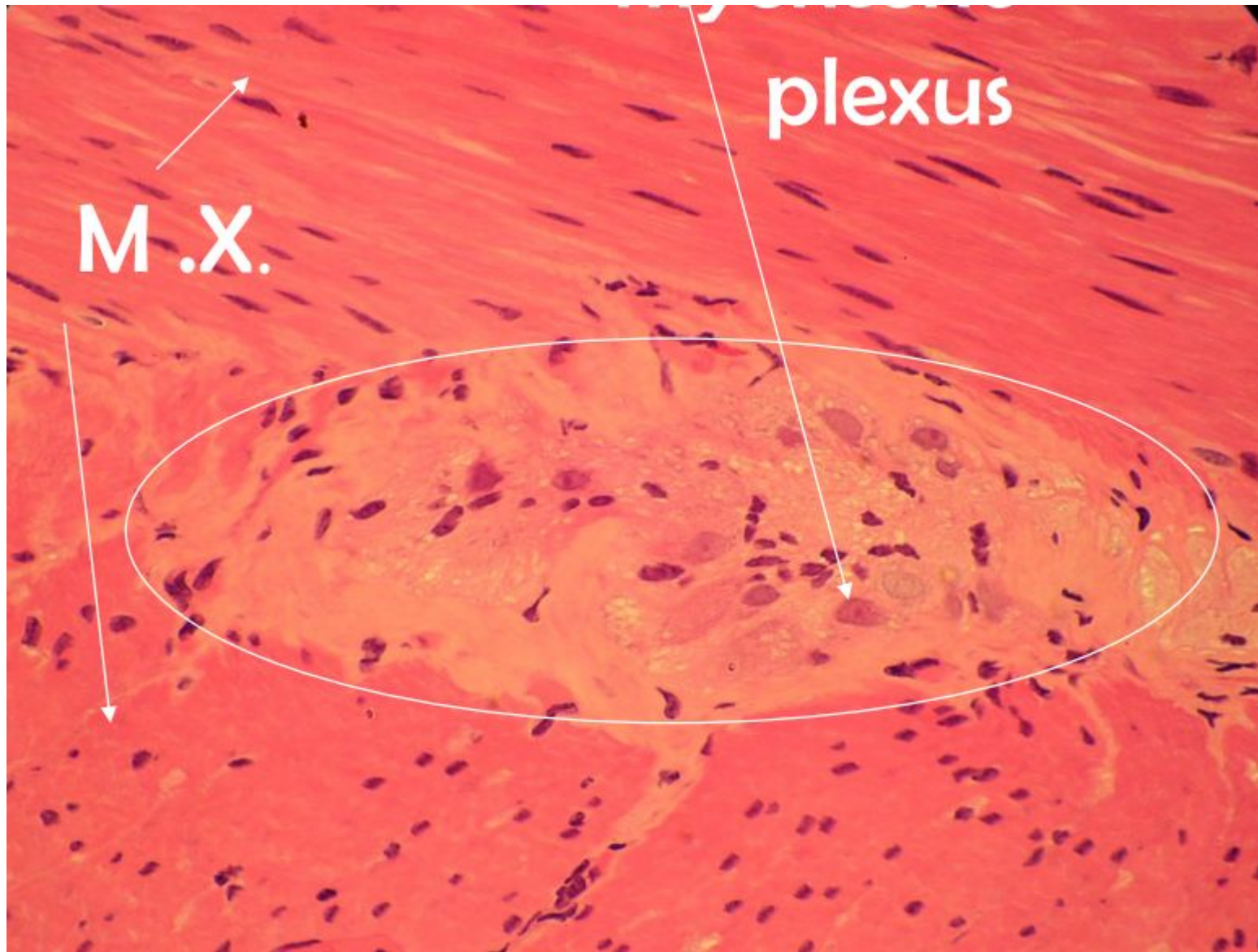


Duodenum



Simple branch tubular gland





Small Intestine

M. X.: Muscularis externa

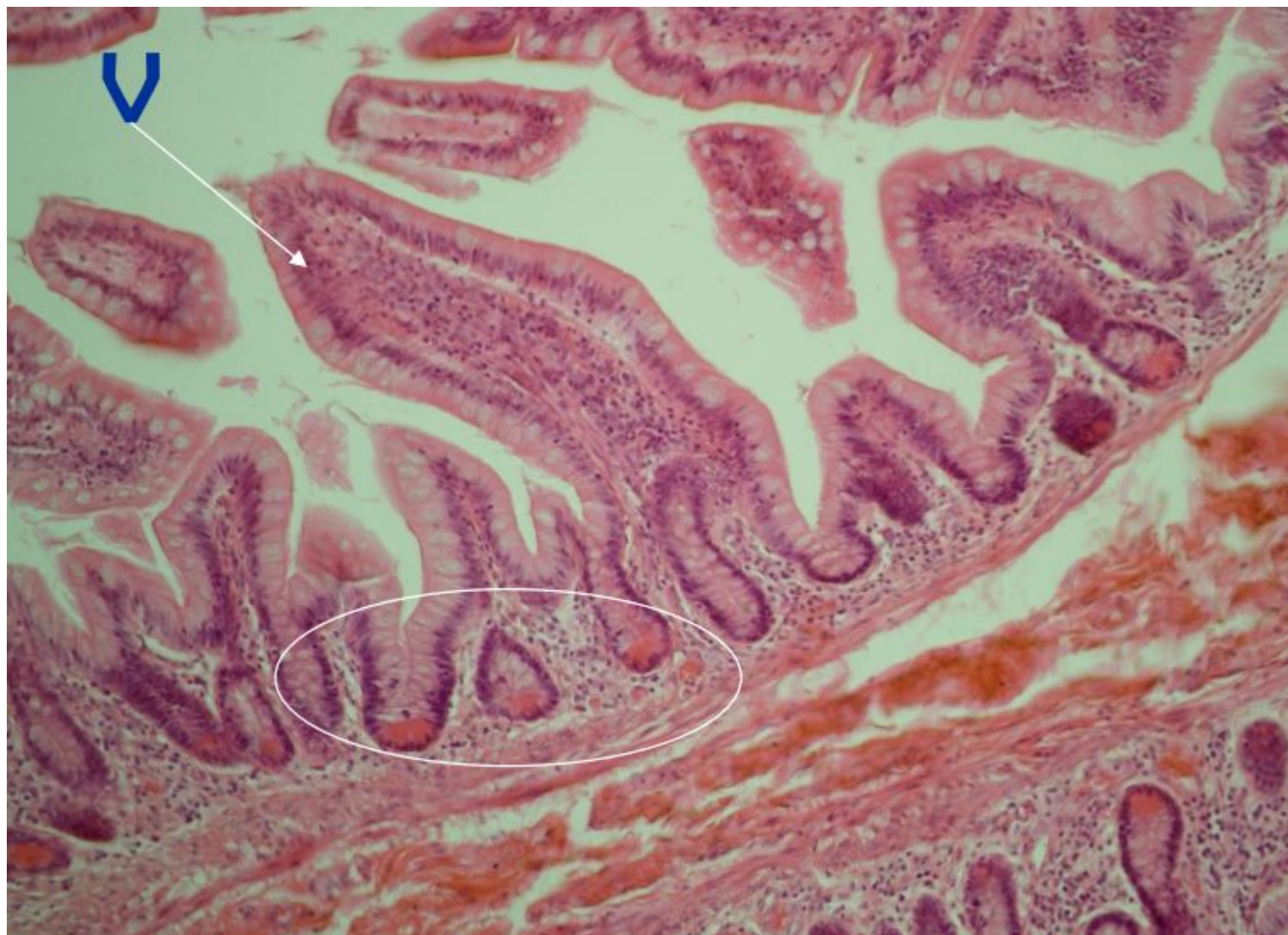
Auerbach's myenteric plexus



Plicae circularies in jejunum

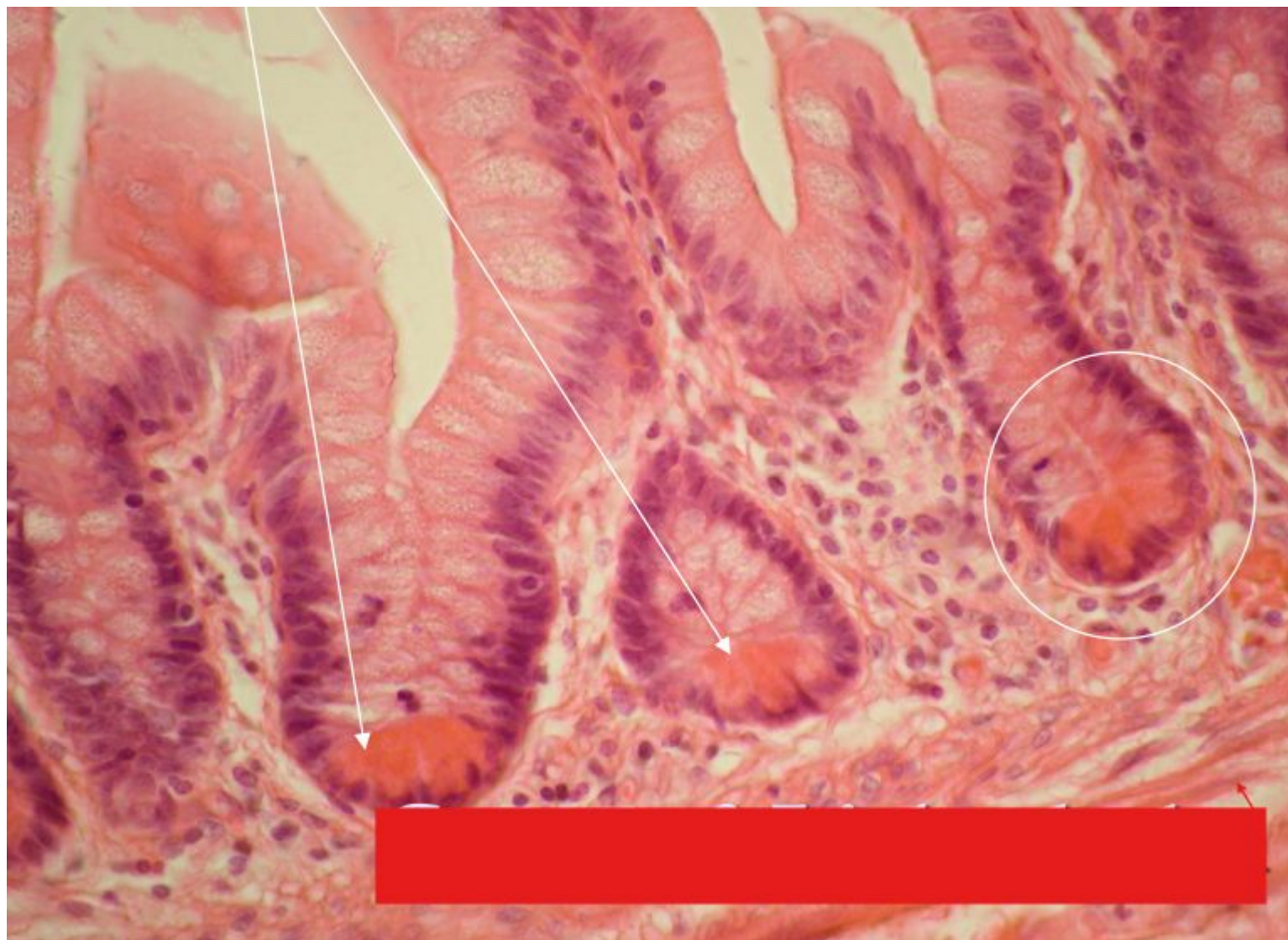


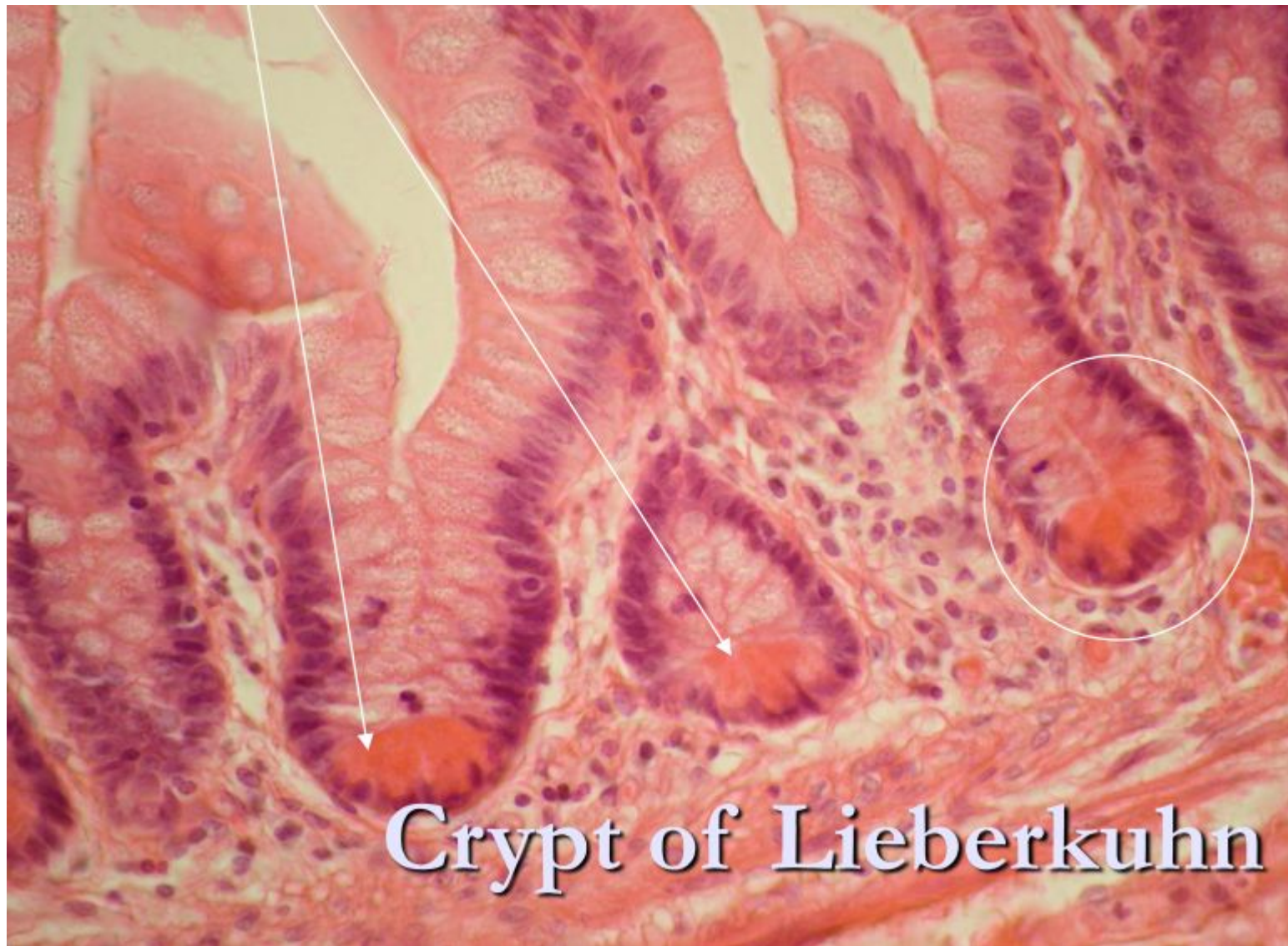
Plica circularis in jejunum



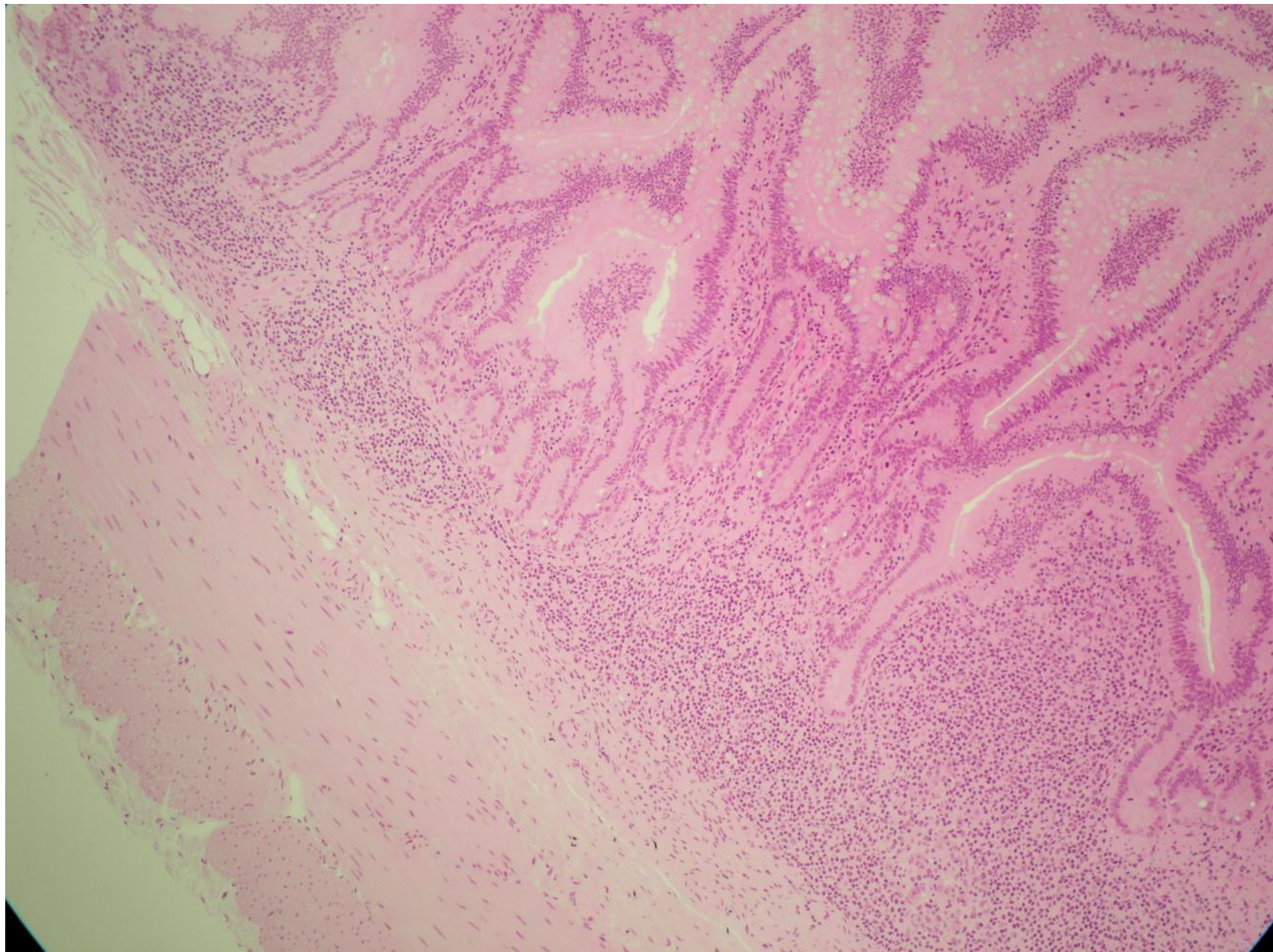
V: Villus

Circle: Crypt with embedded intestinal gland

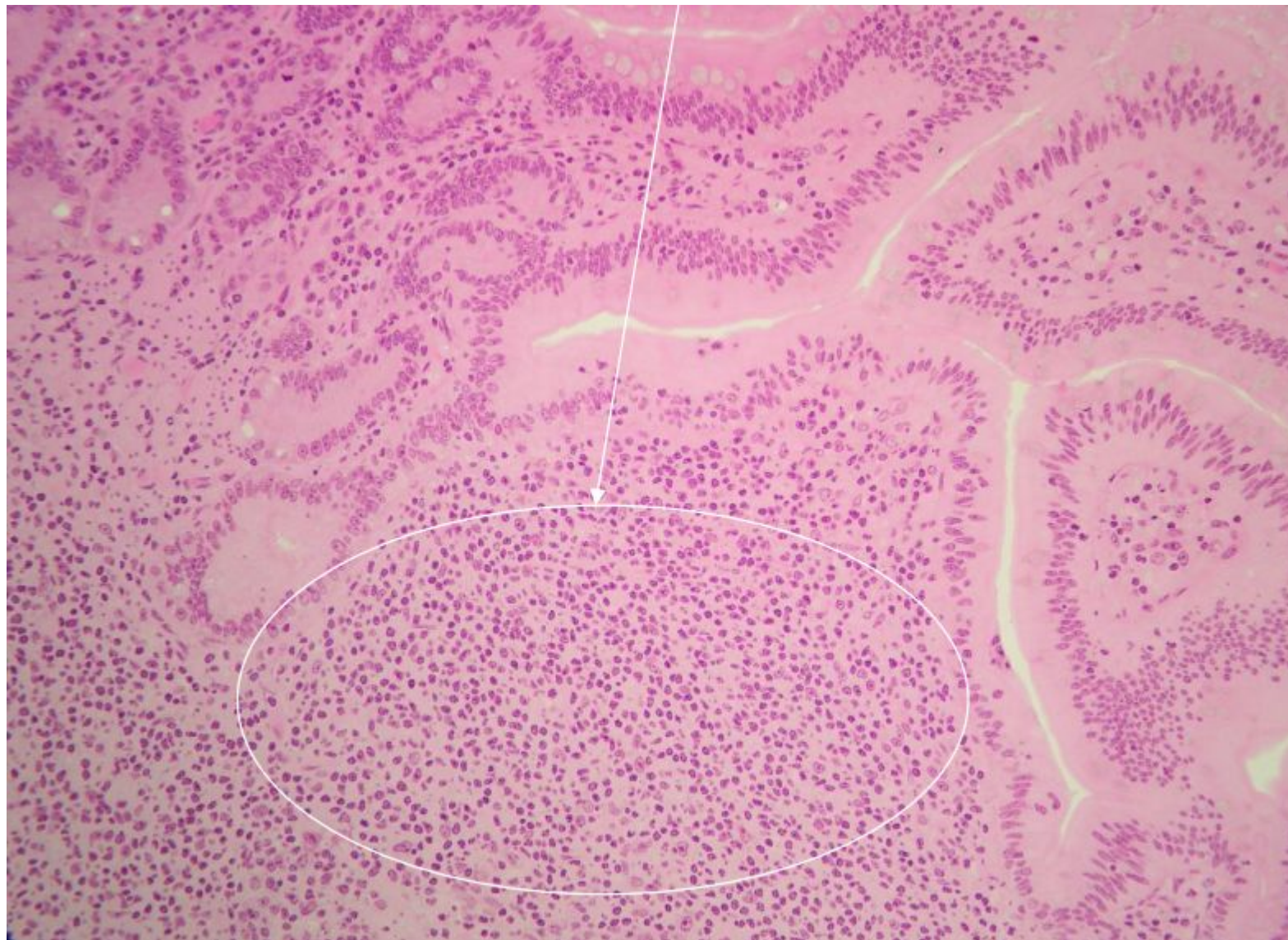




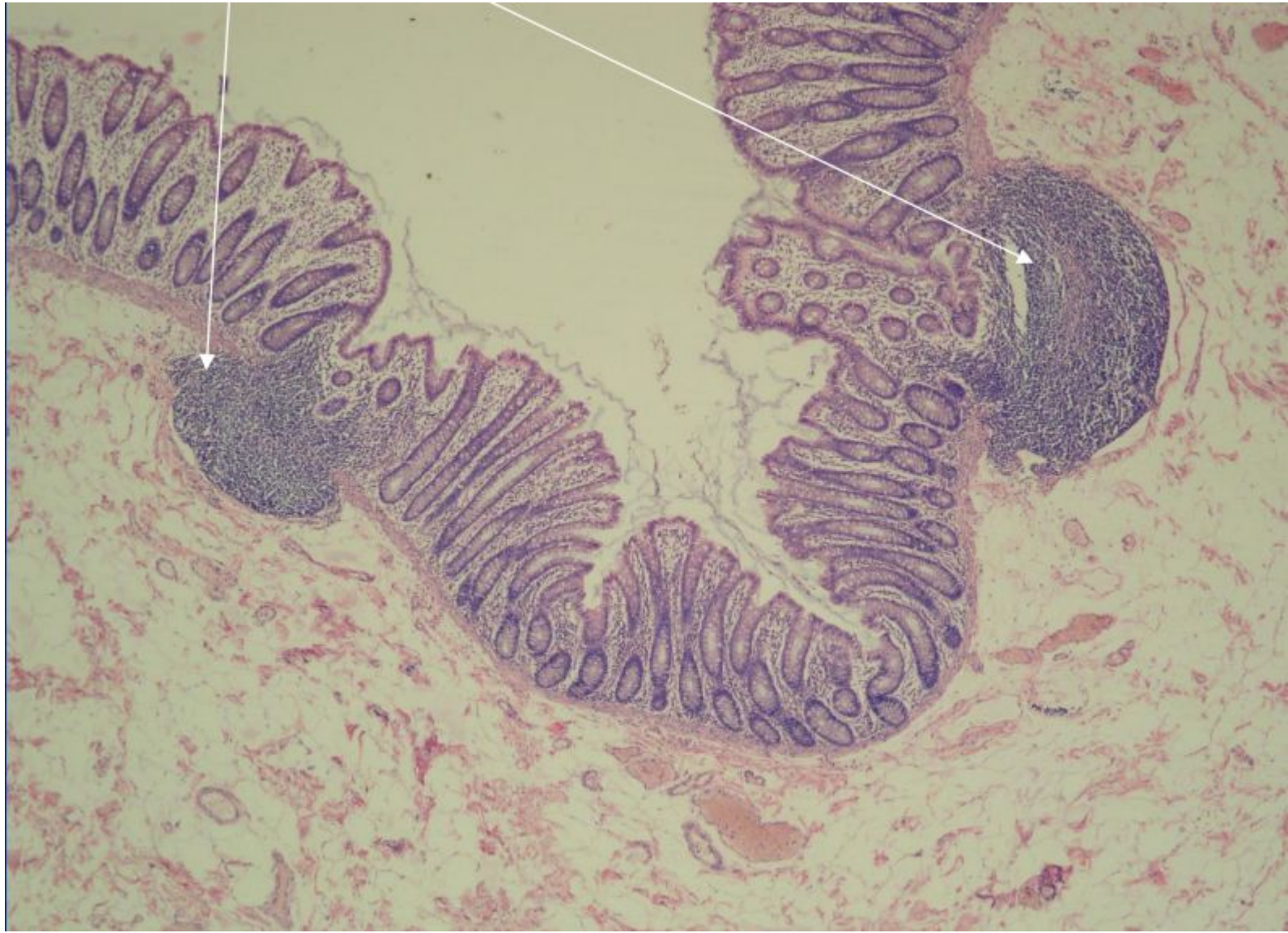
Paneth Cells, highlighted by arrows and circle



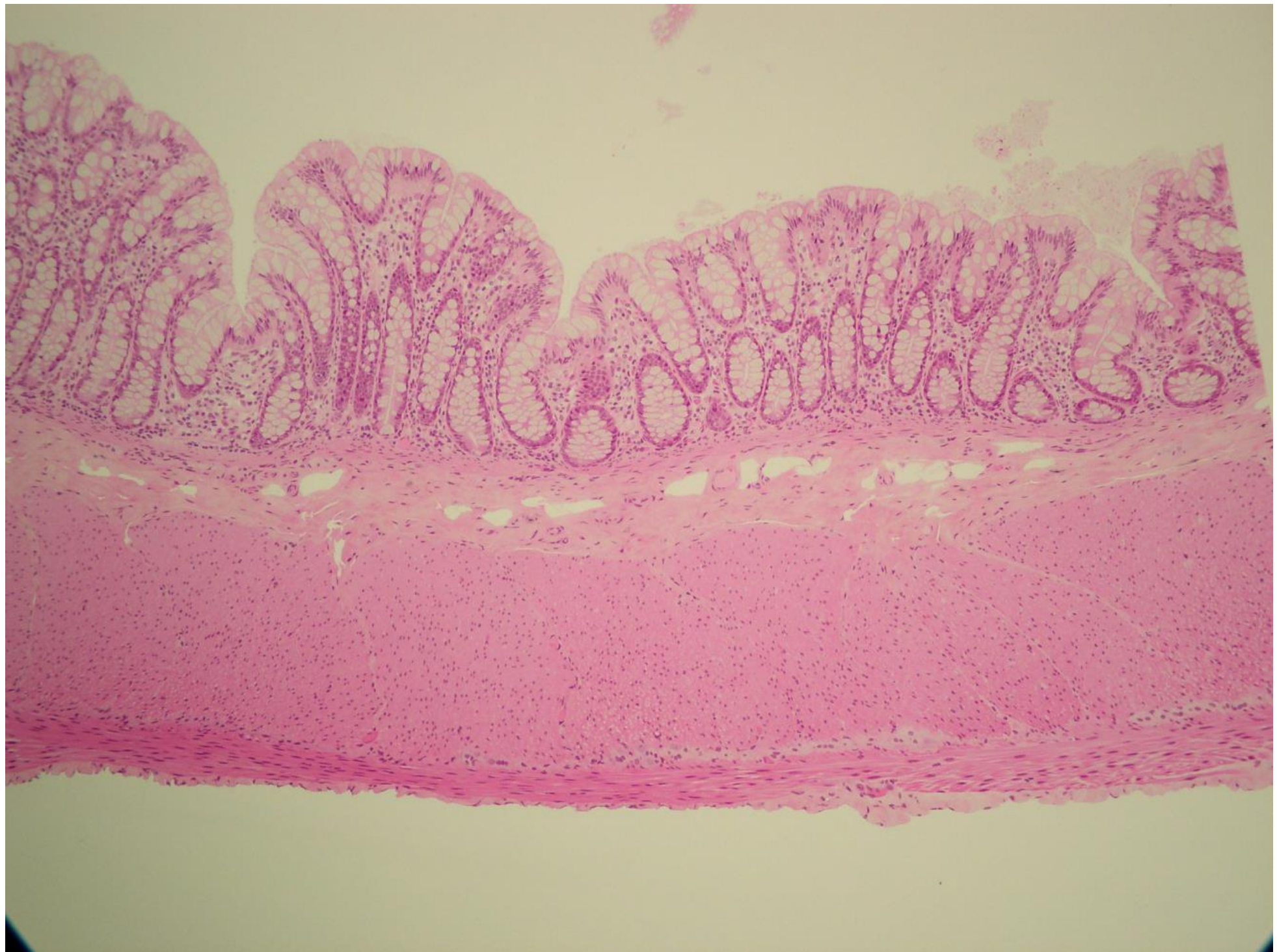
Ileum



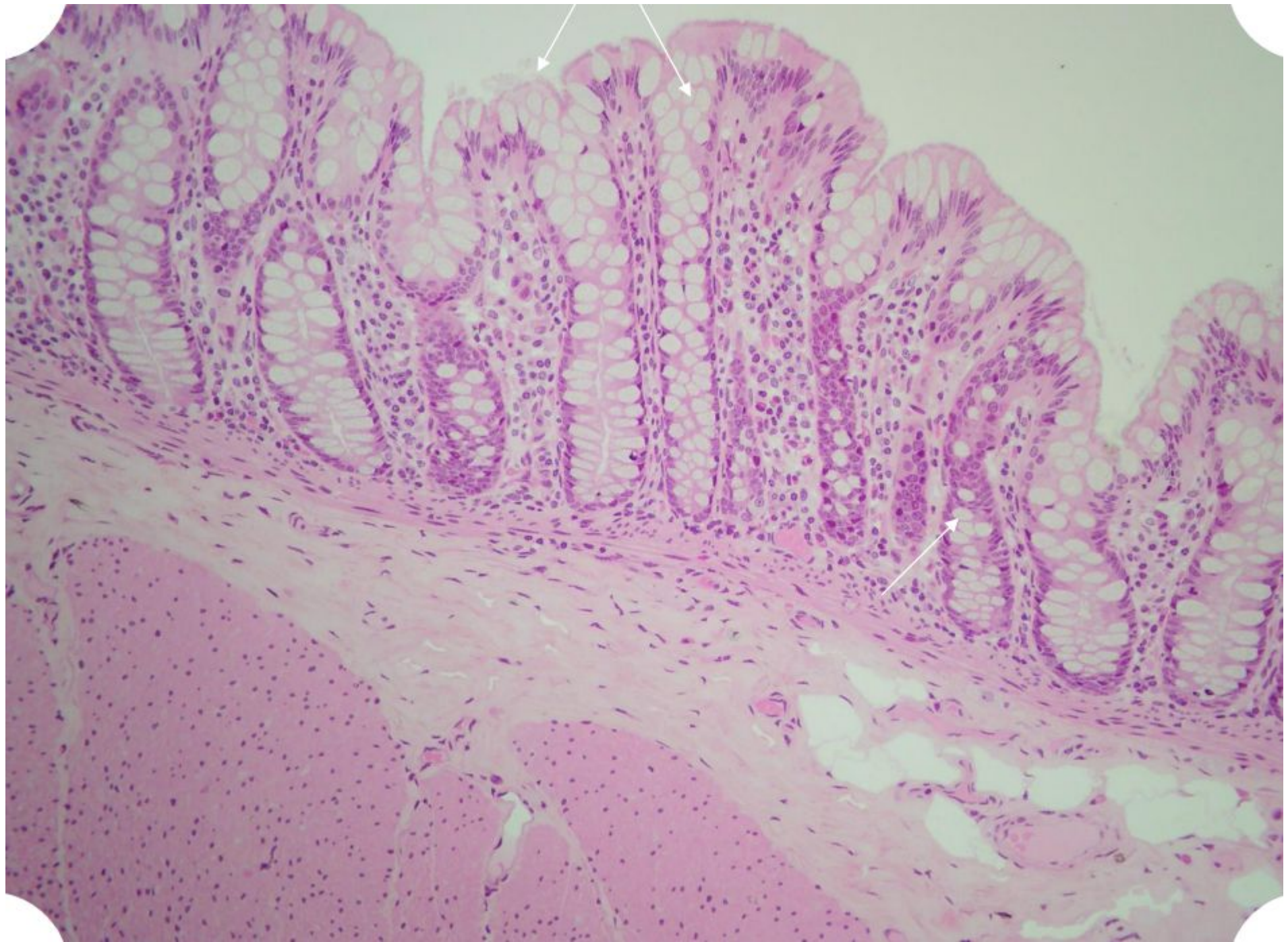
Peyer's patches



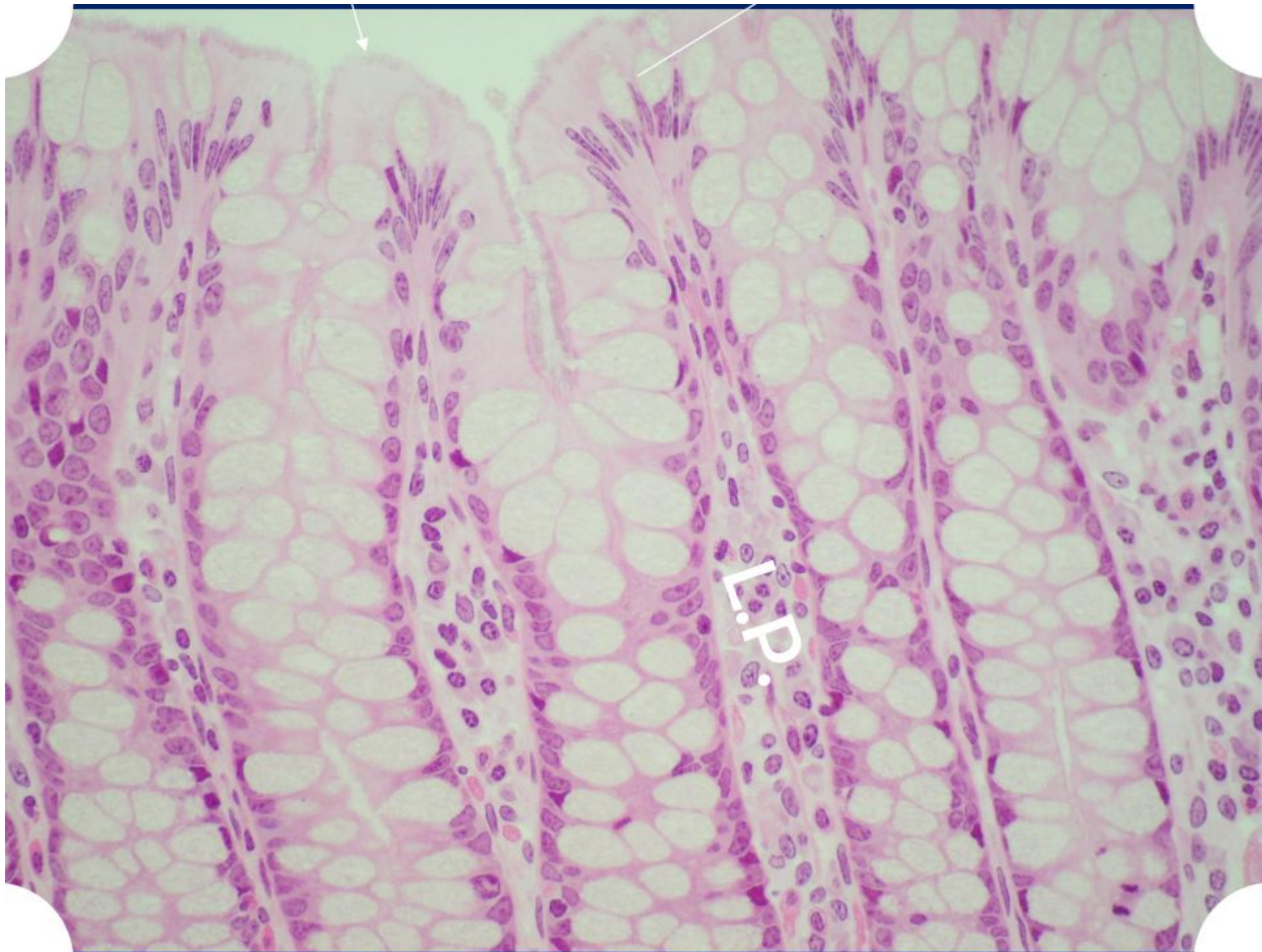
solitary nodule in colon



Colon

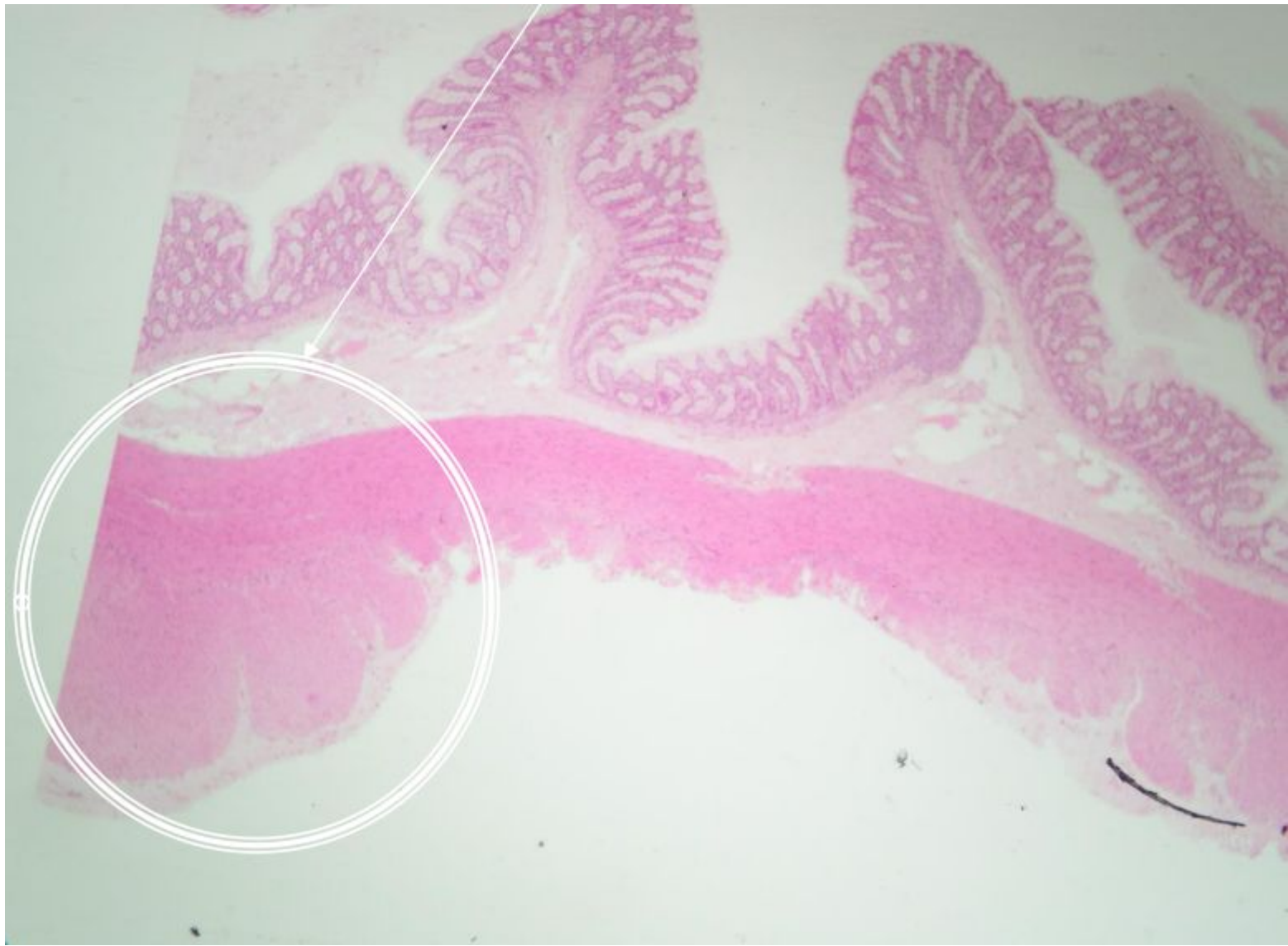


Simple tubular glands in colon

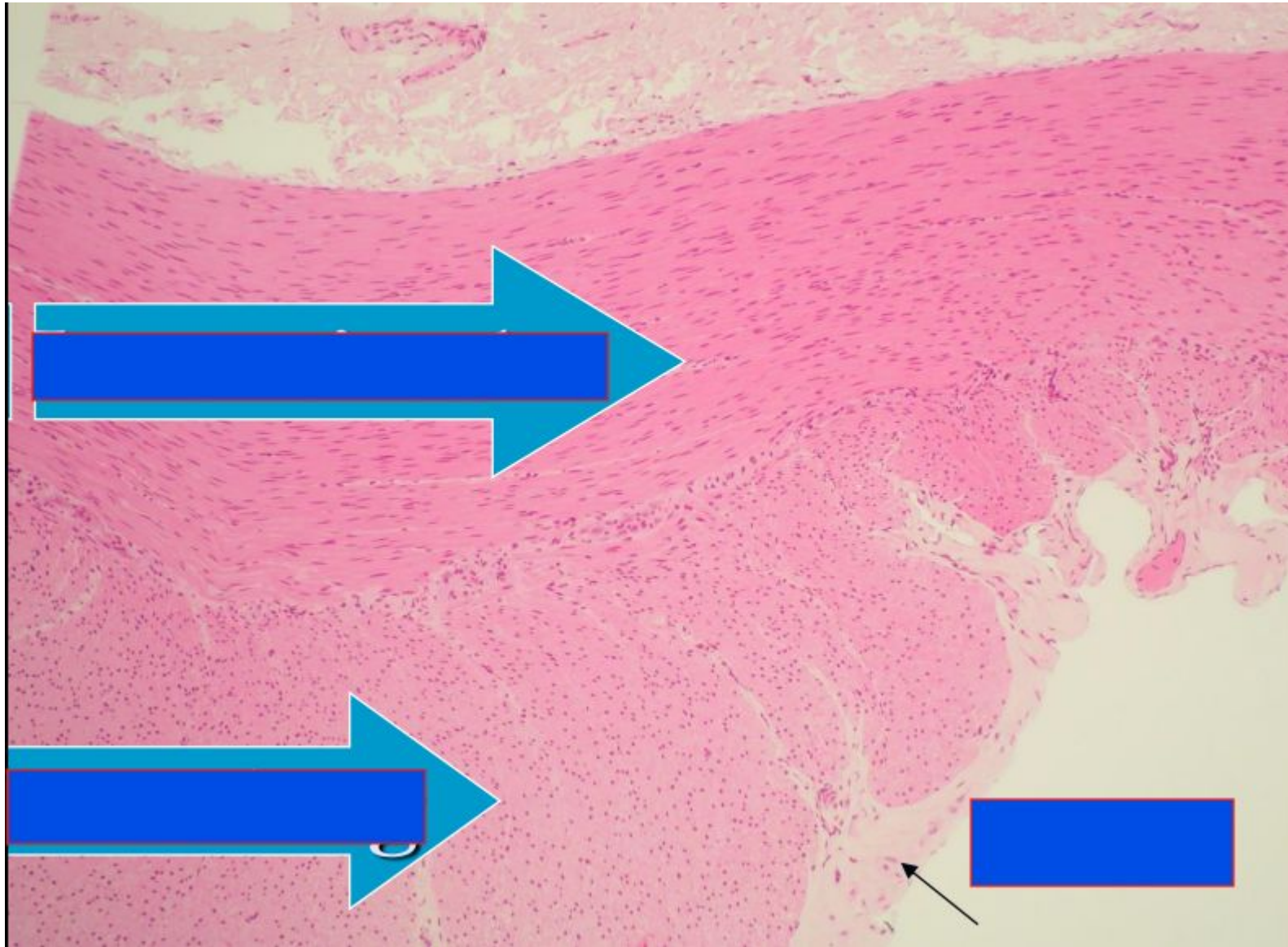


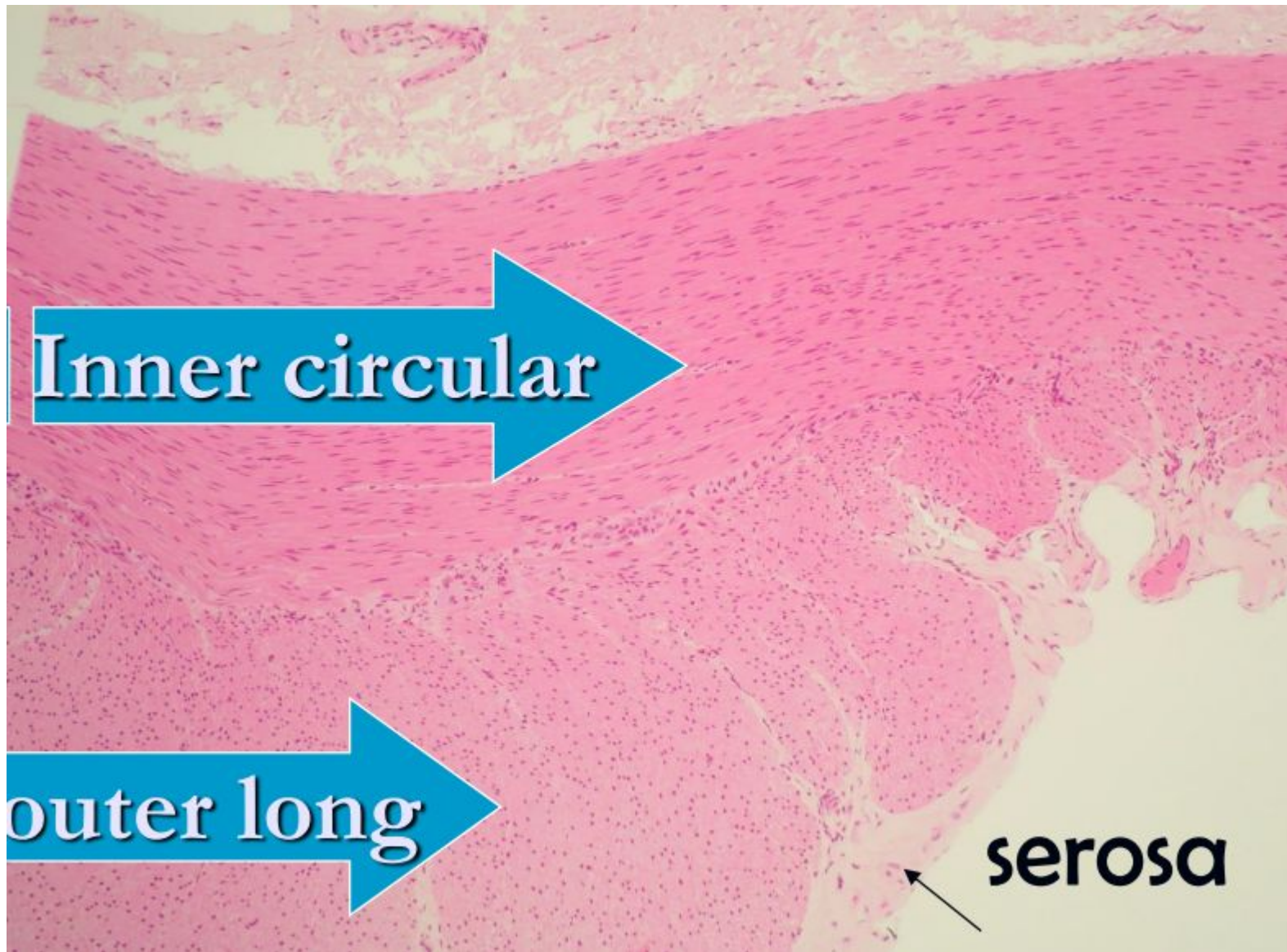
Left above arrow: Surface Cell

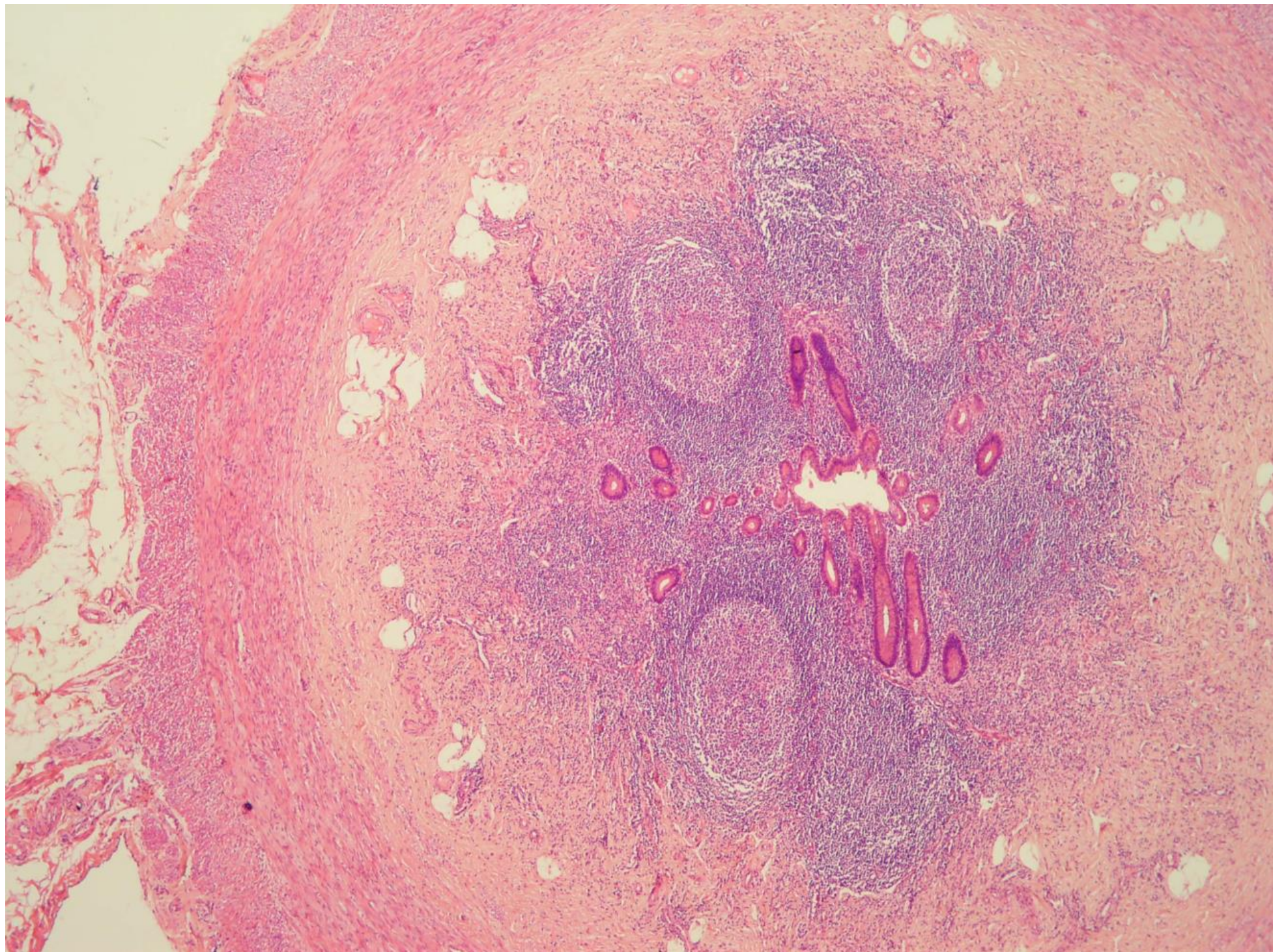
Right above arrow: Goblet Cells



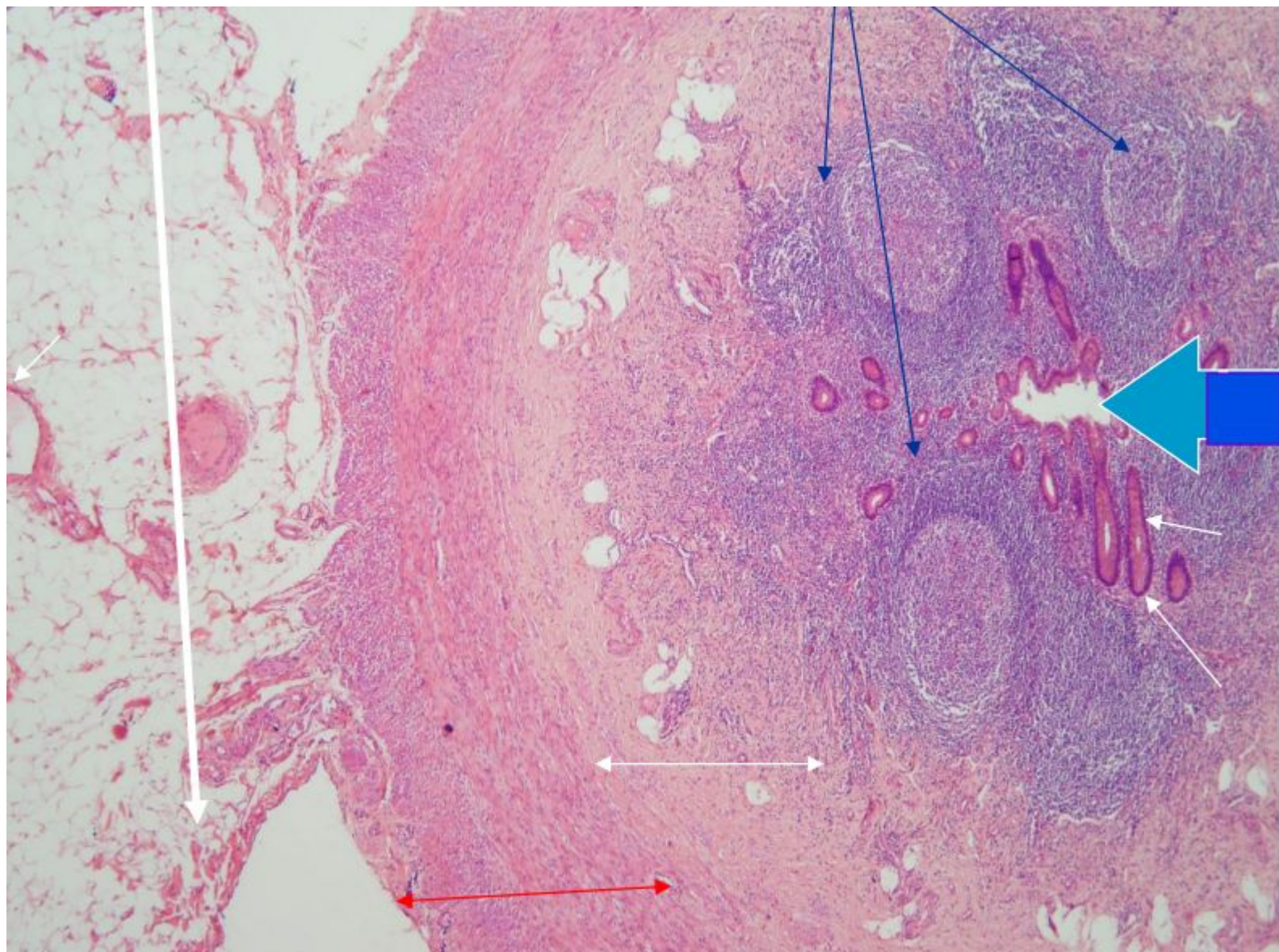
Taeniae coli

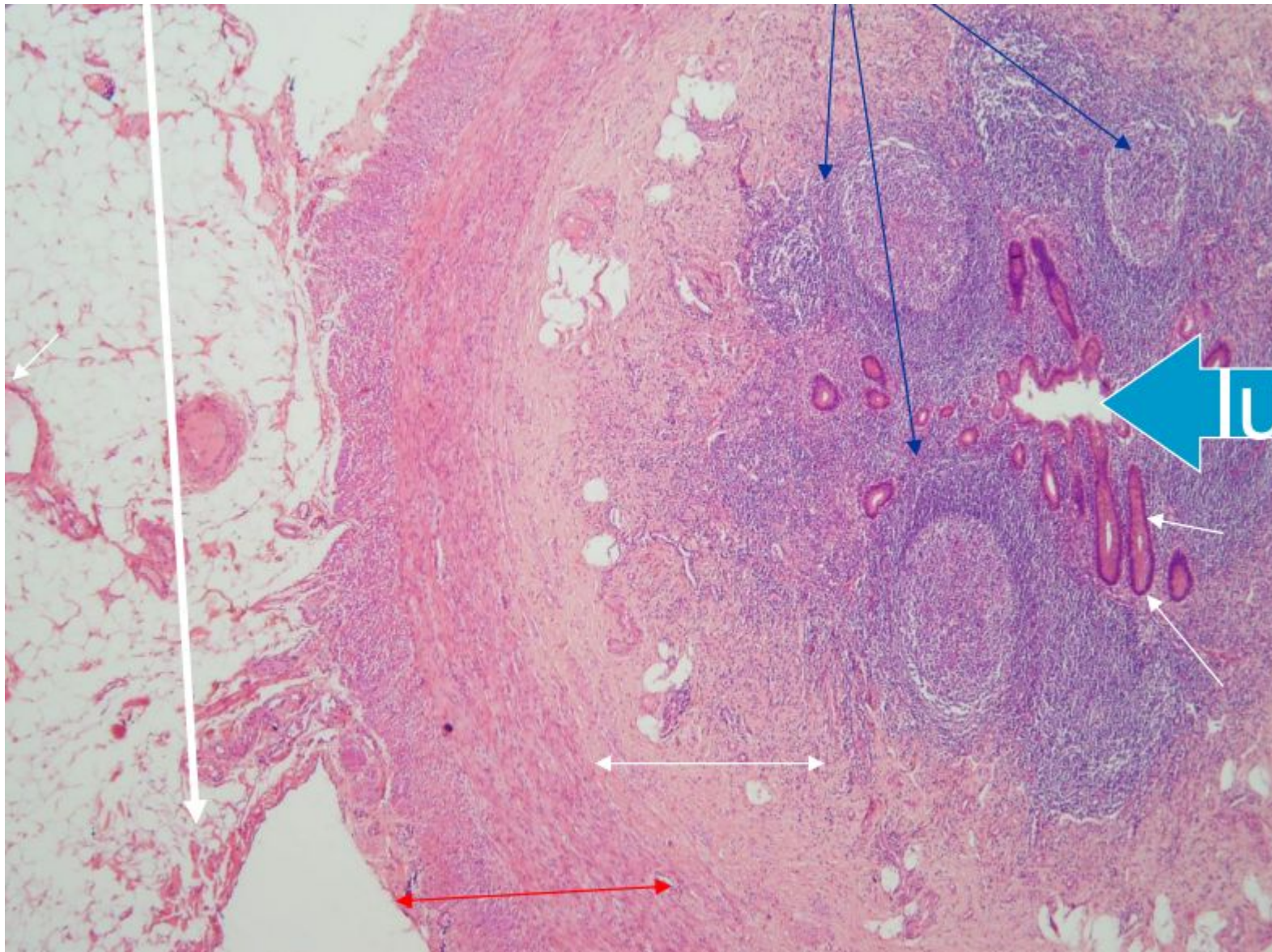






Appendix

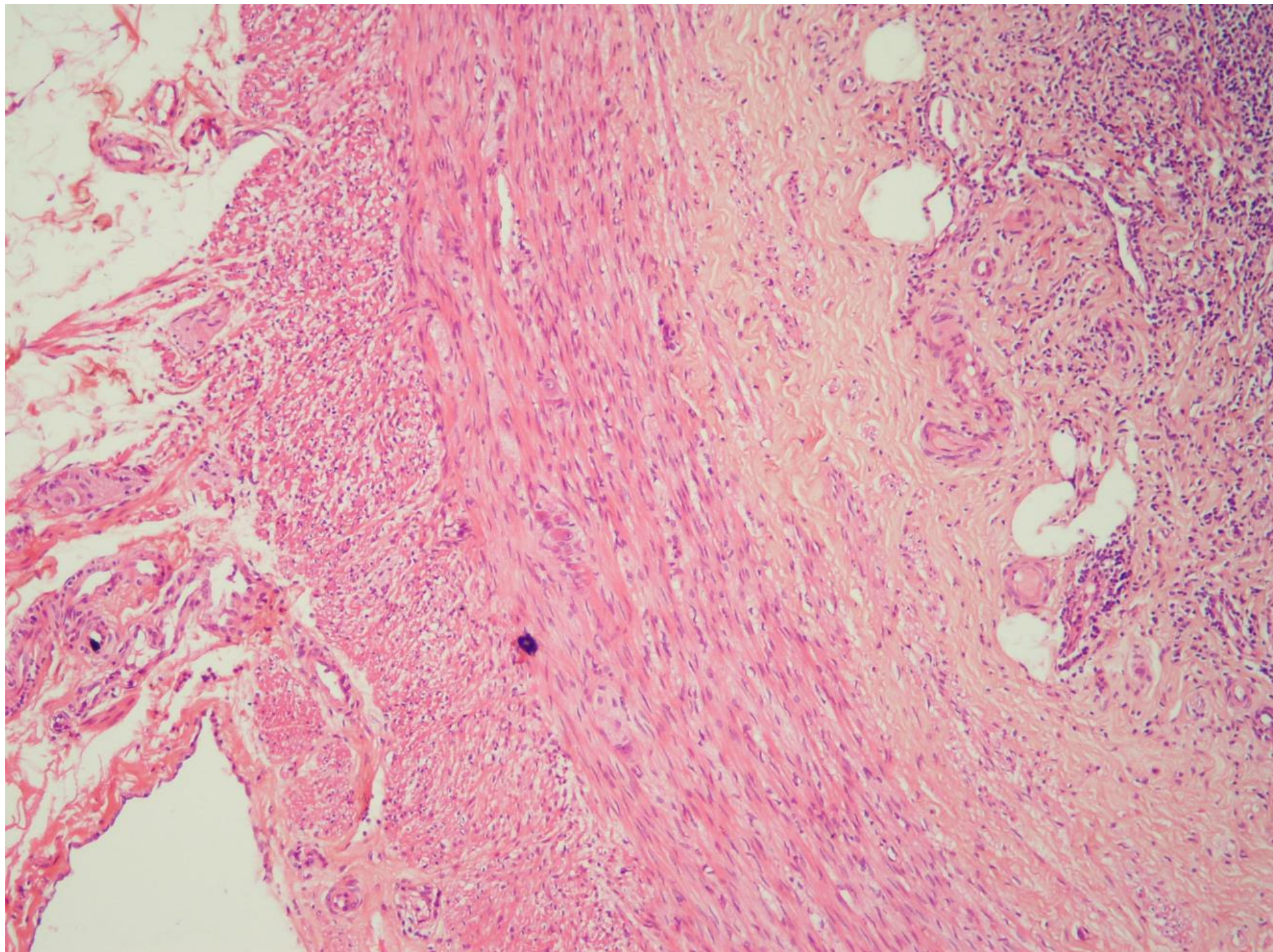




Appendix

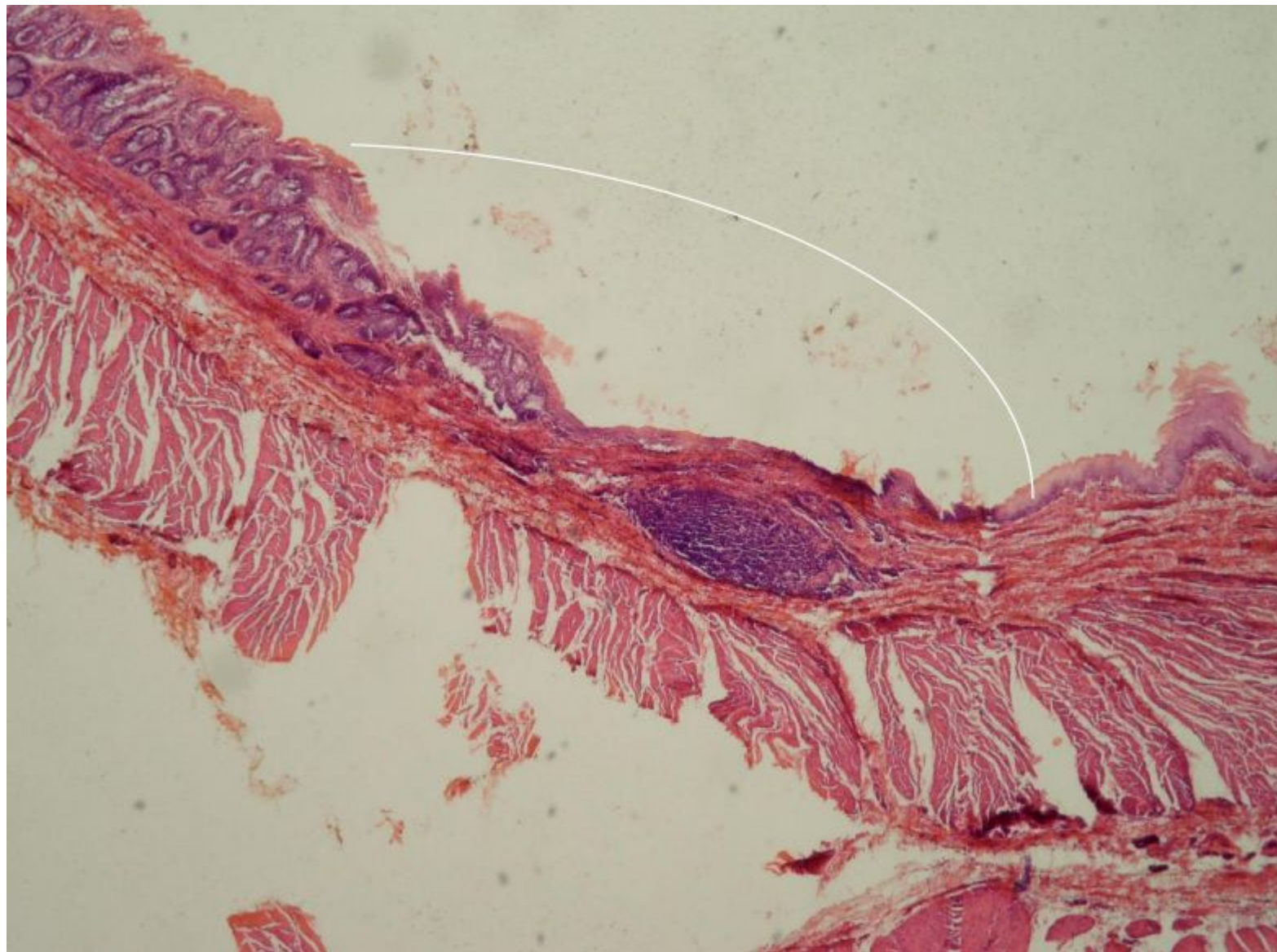
White arrow: Mesoappendix

Blue arrows: Crypts of Lieberkuhn

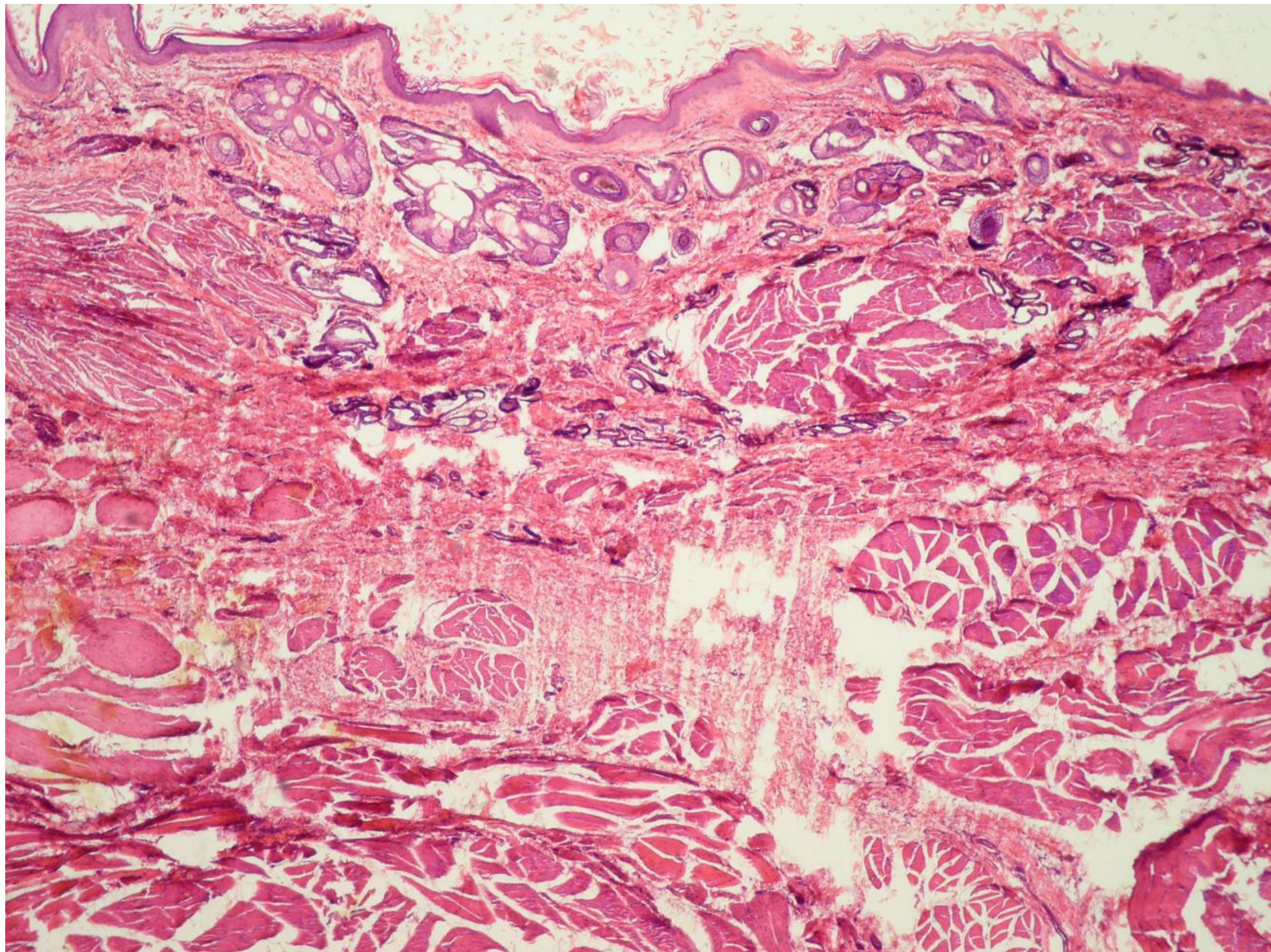


Appendix

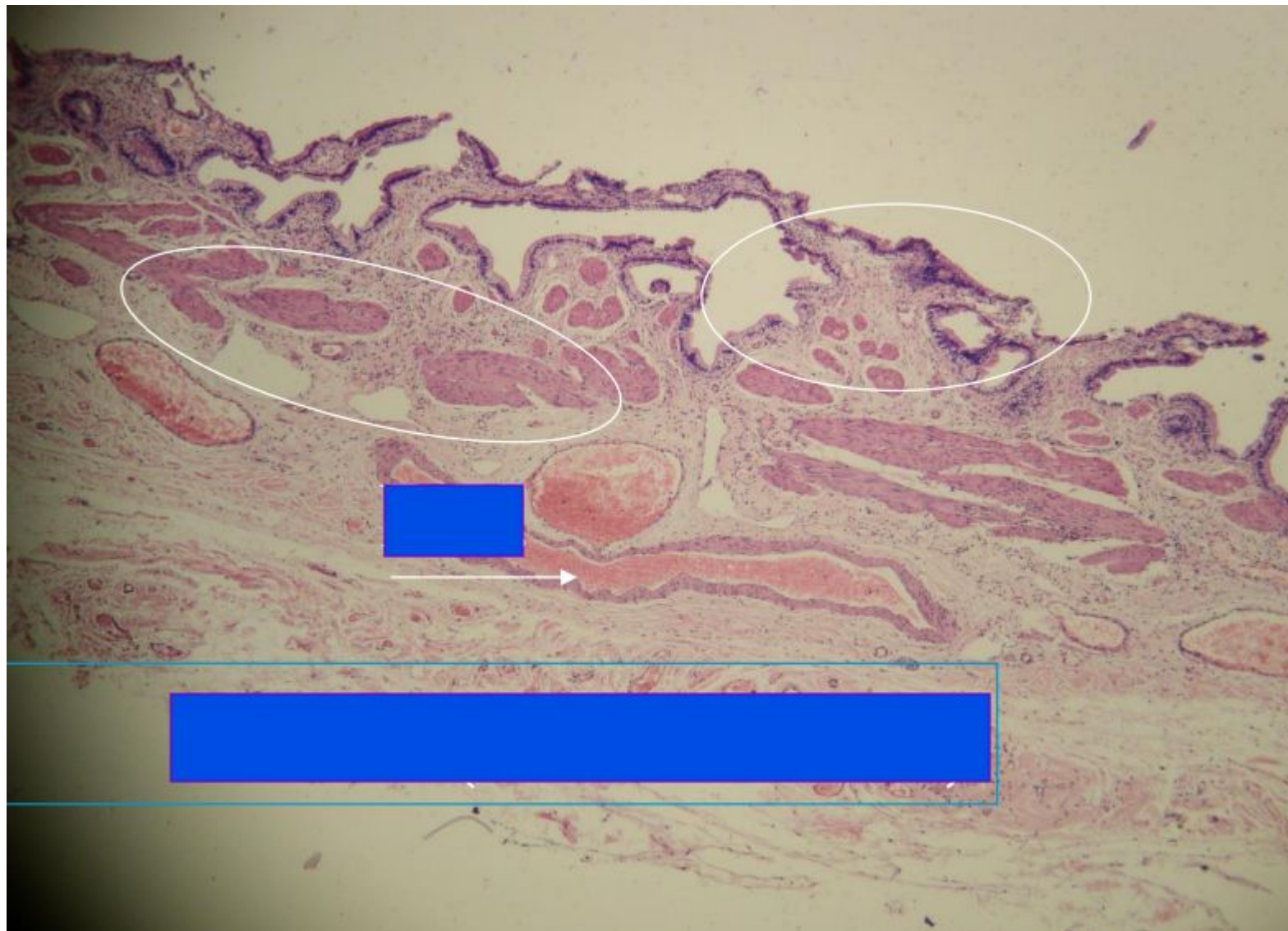
Muscularis externa



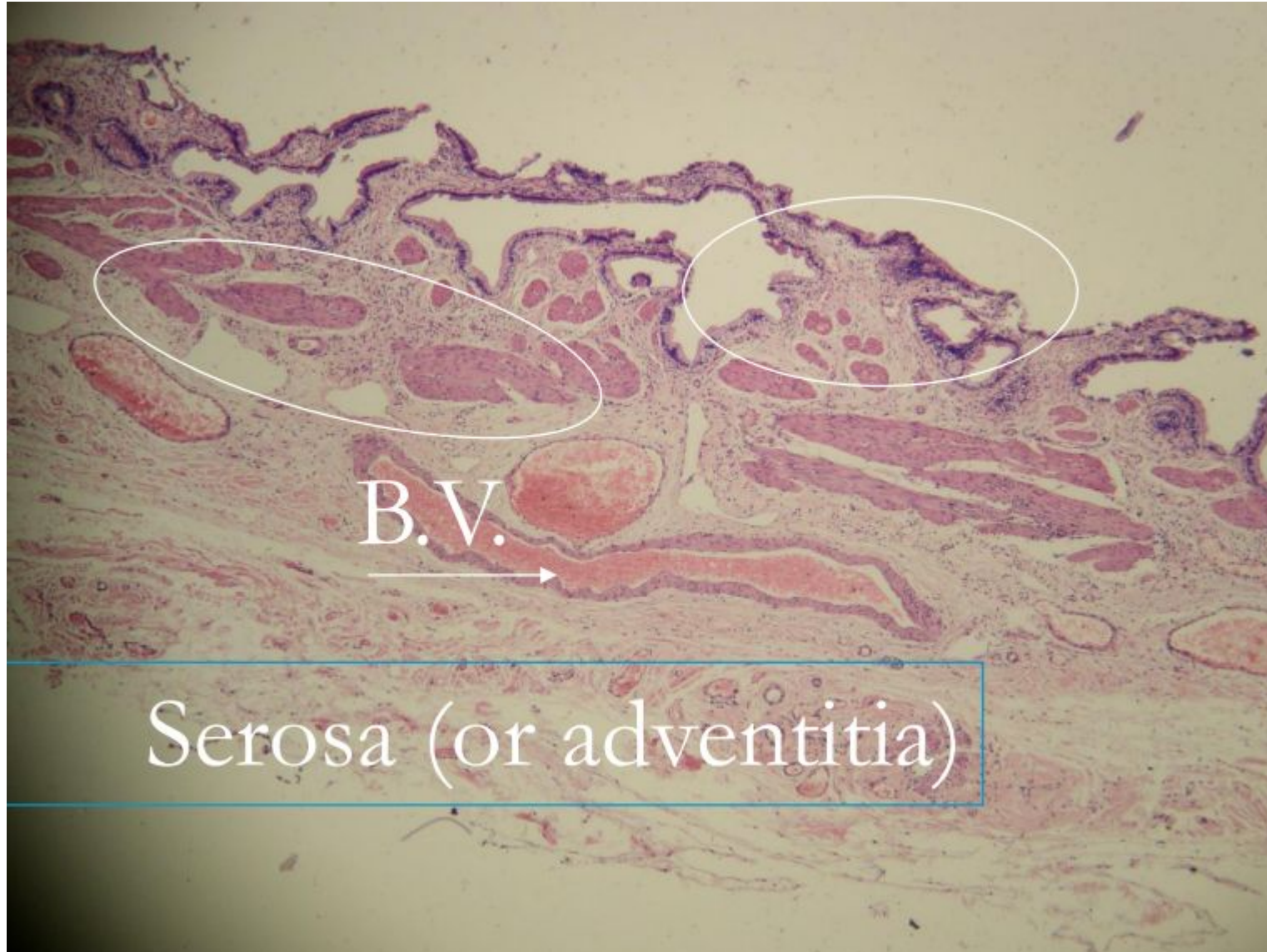
Rectoanal junction



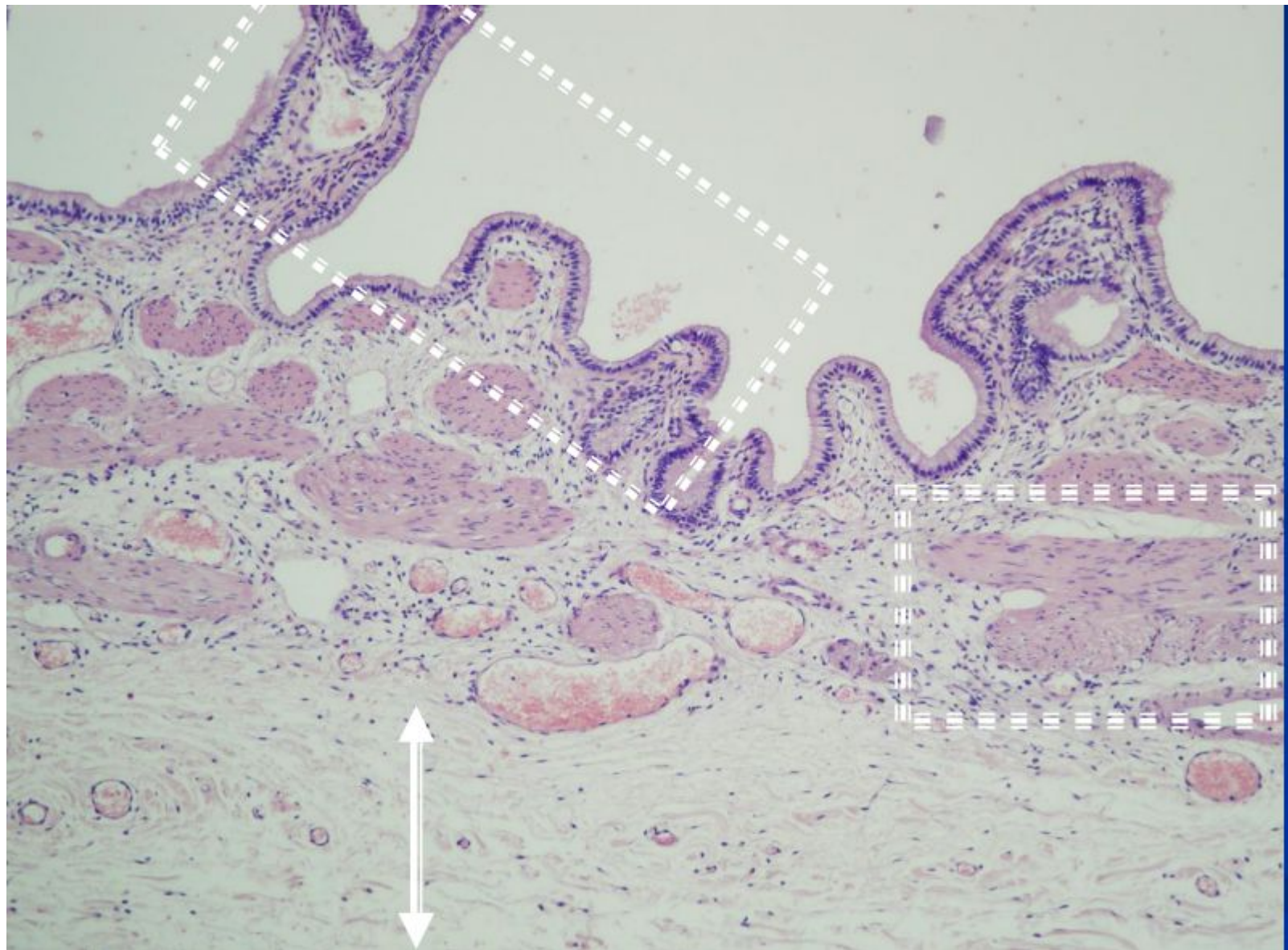
Lower anal canal



Gallbladder

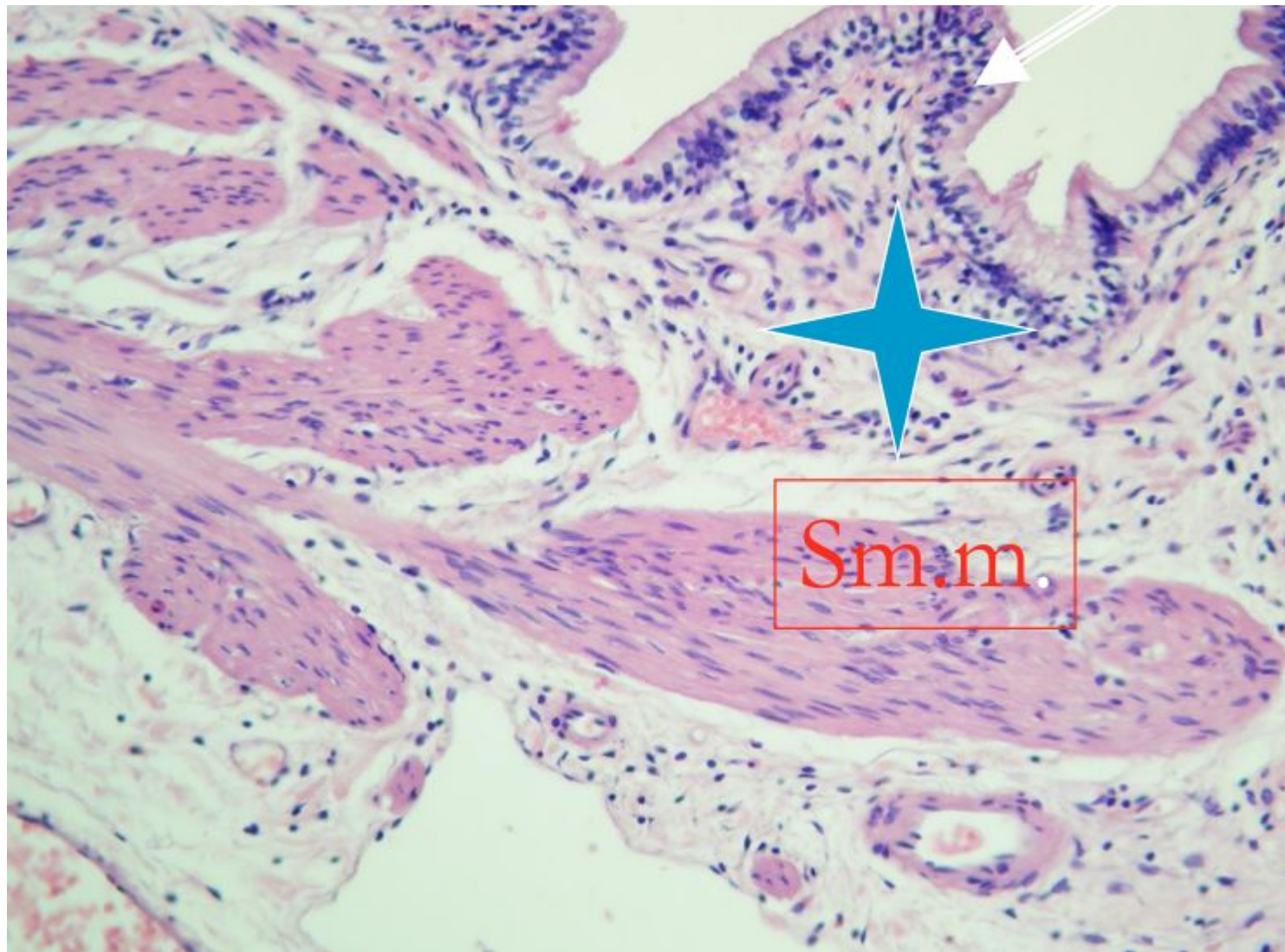


Honey comb folding of mucosa with muscles Bundles within lamina propria



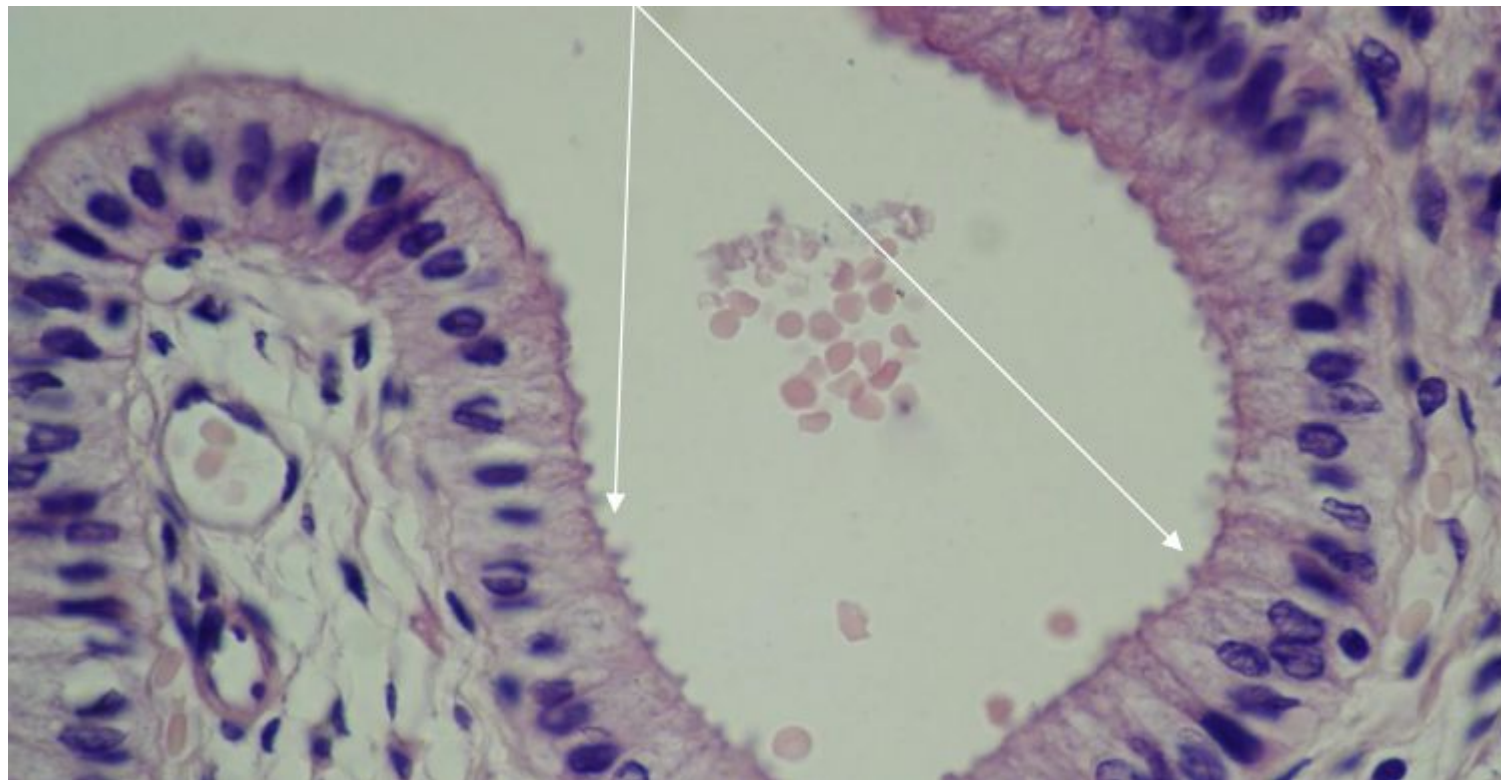
Gallbladder

Honey comb folding mucosa musc. Bundles within lamina propria

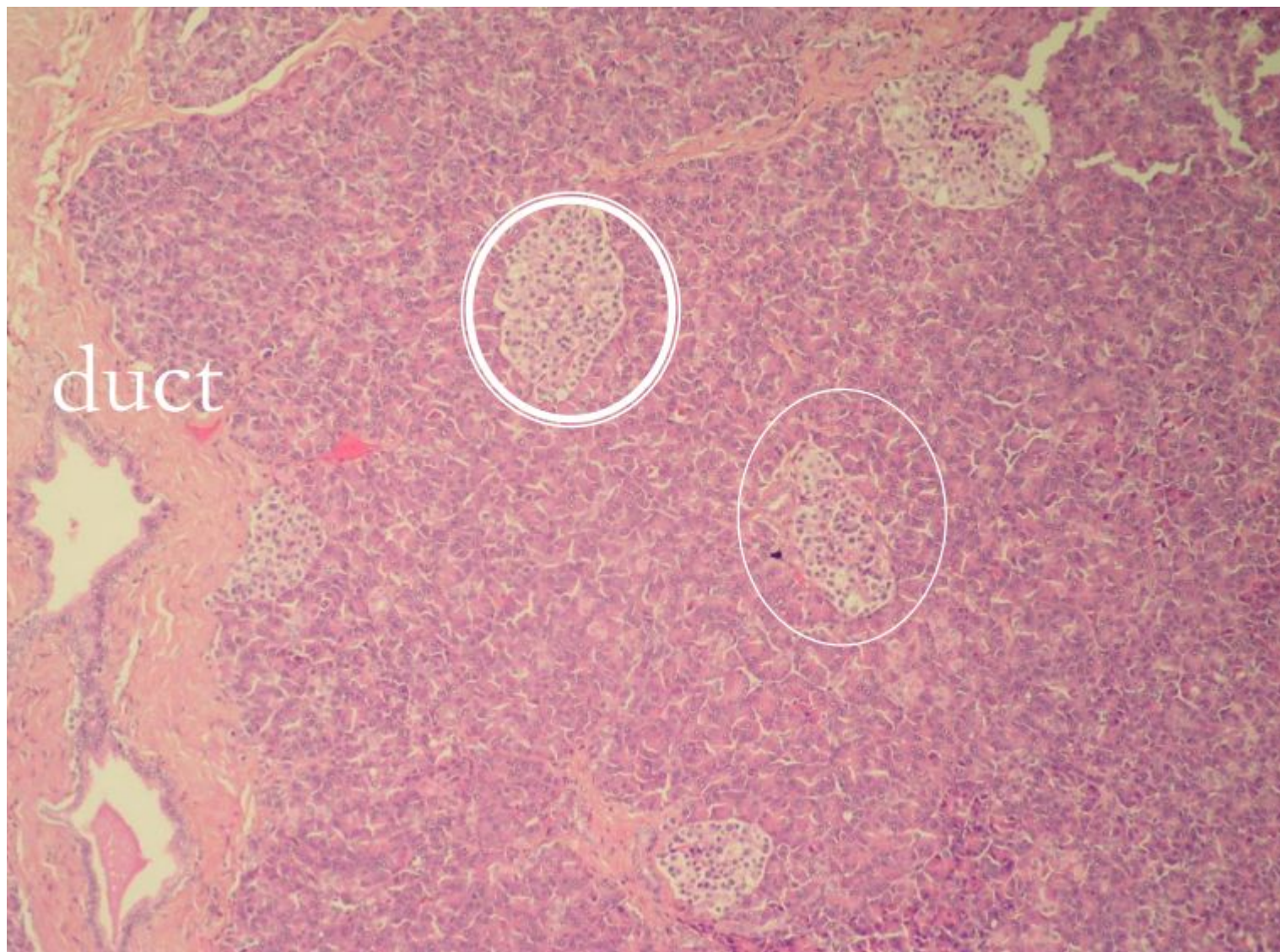


Gallbladder

Blue star: Lamina propria

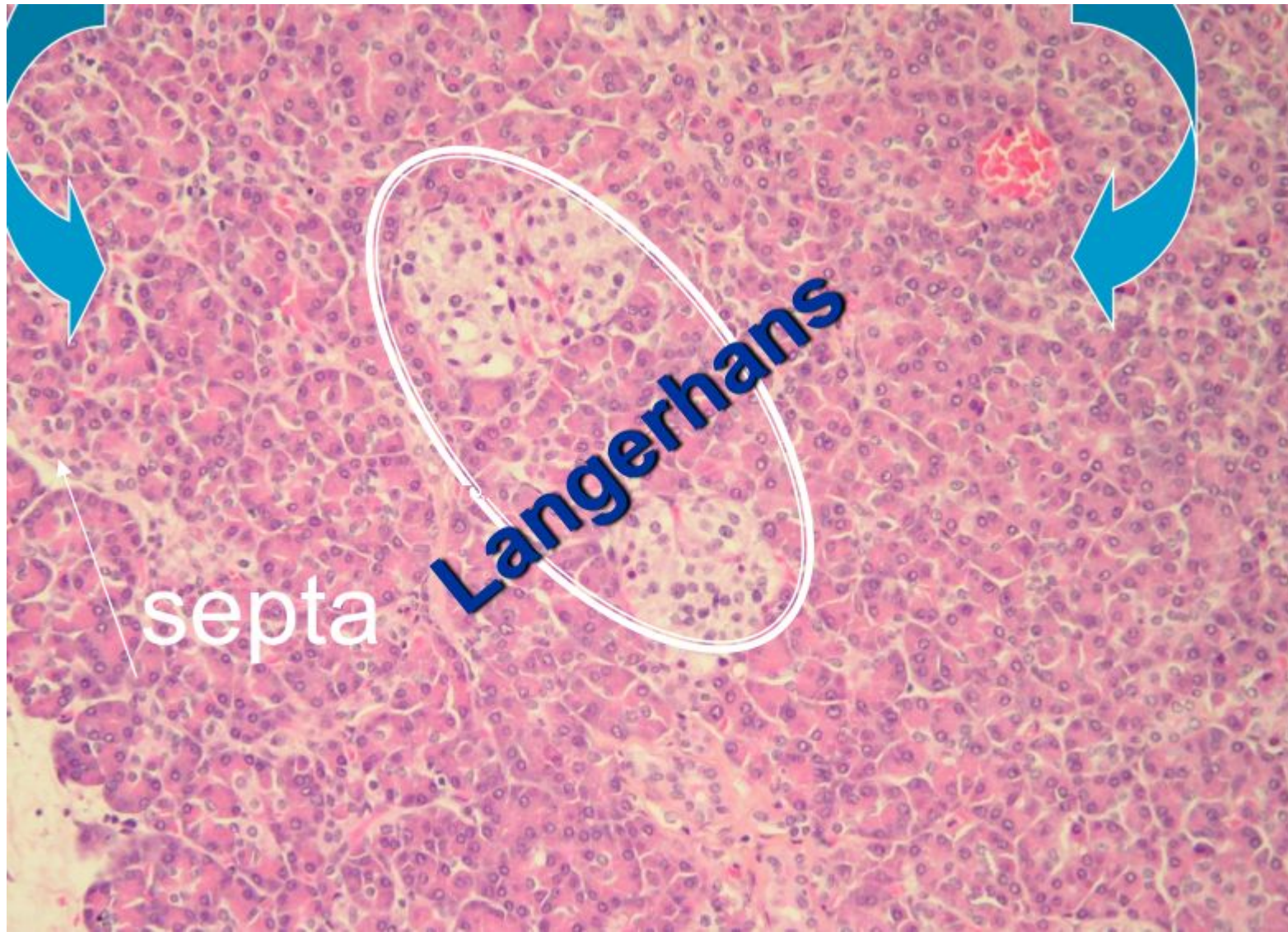


Simple columnar epithelium

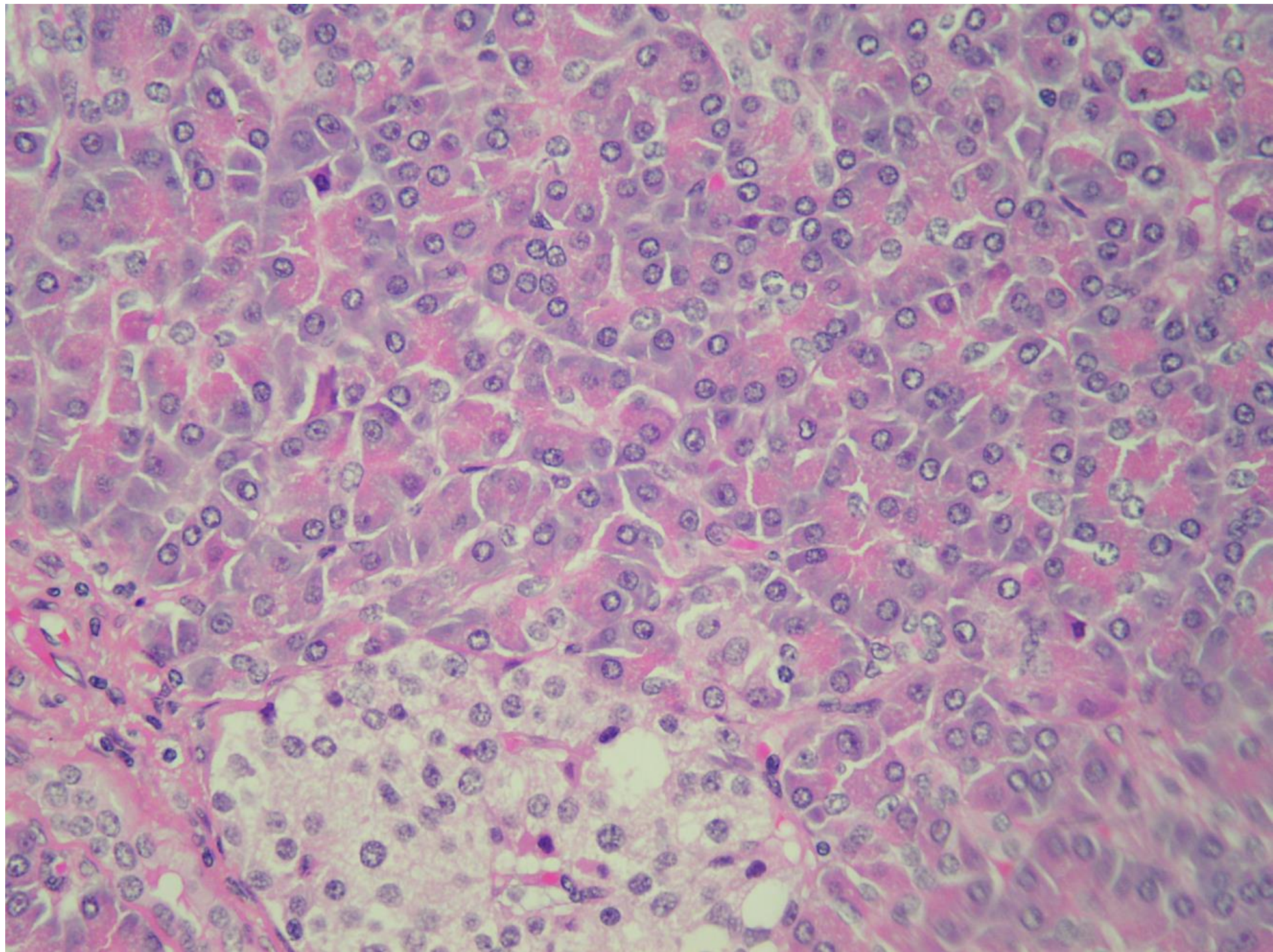


Pancreas

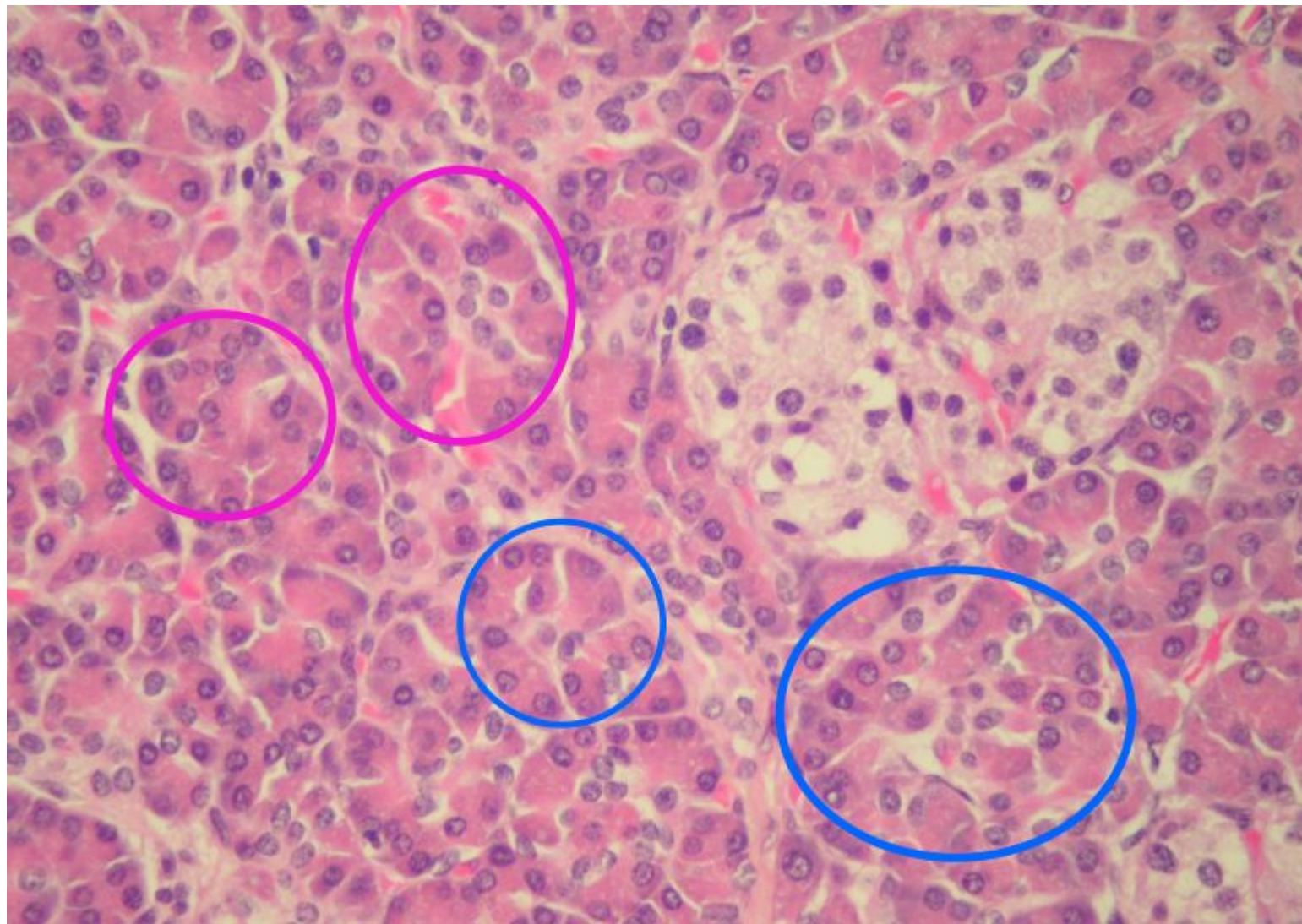
Islet of Langerhans



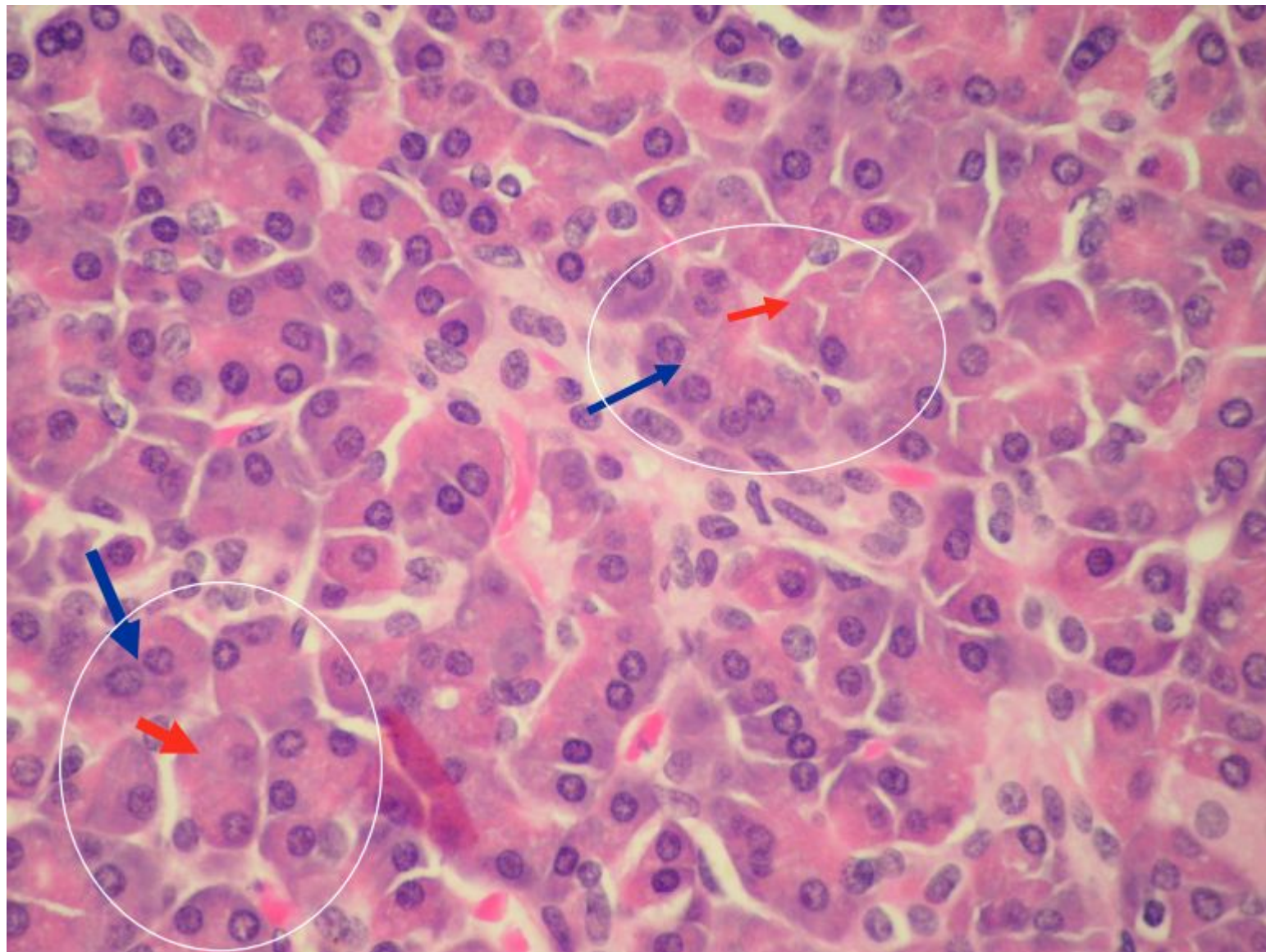
Blue arrows pointing to exocrine pancreatic portion
(compound acinar gland)



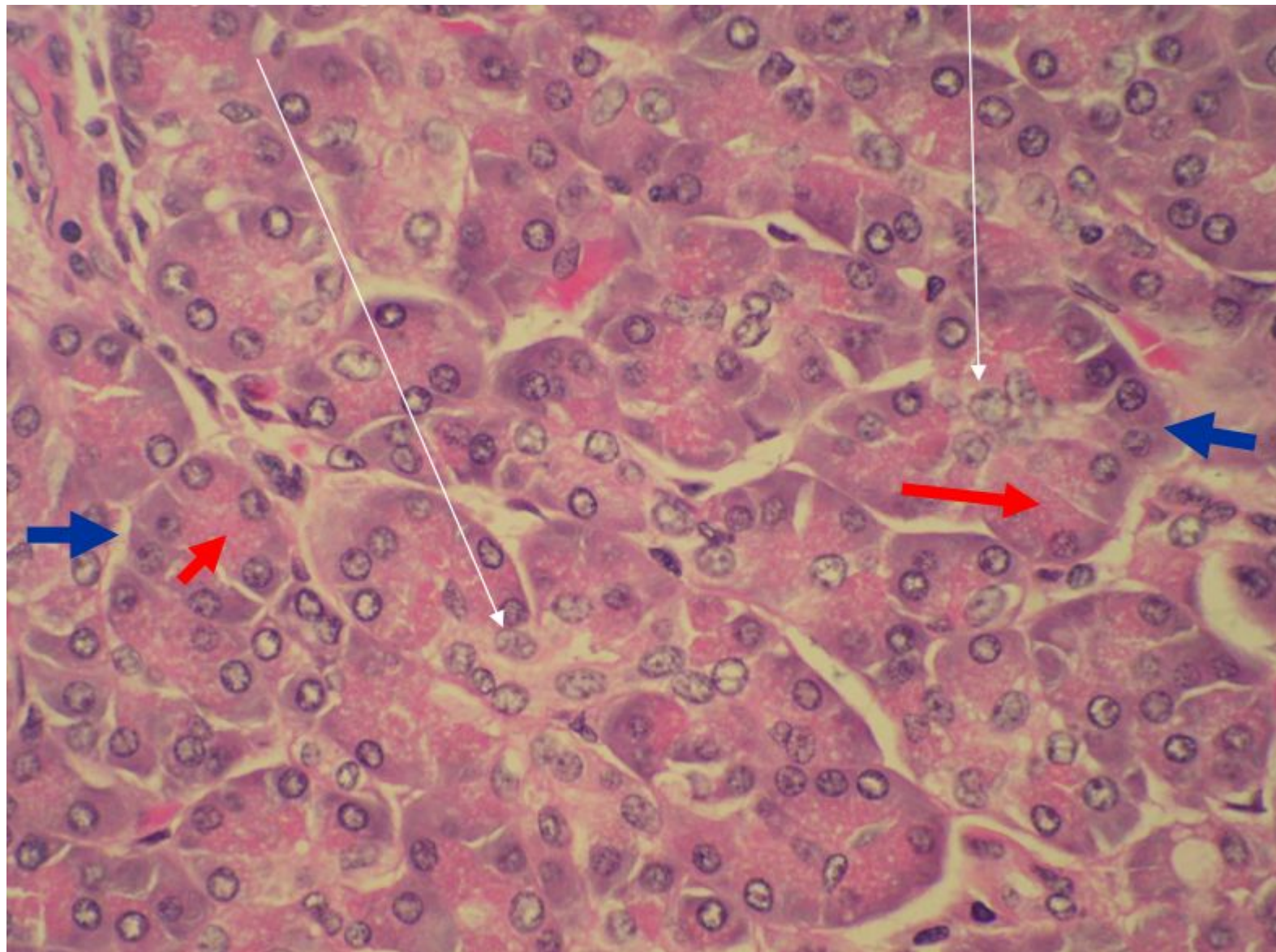
Pancreas



pancreatic Serour acini:
protein secretory cells



Zymogenic granules
basophilic cell cytoplasm

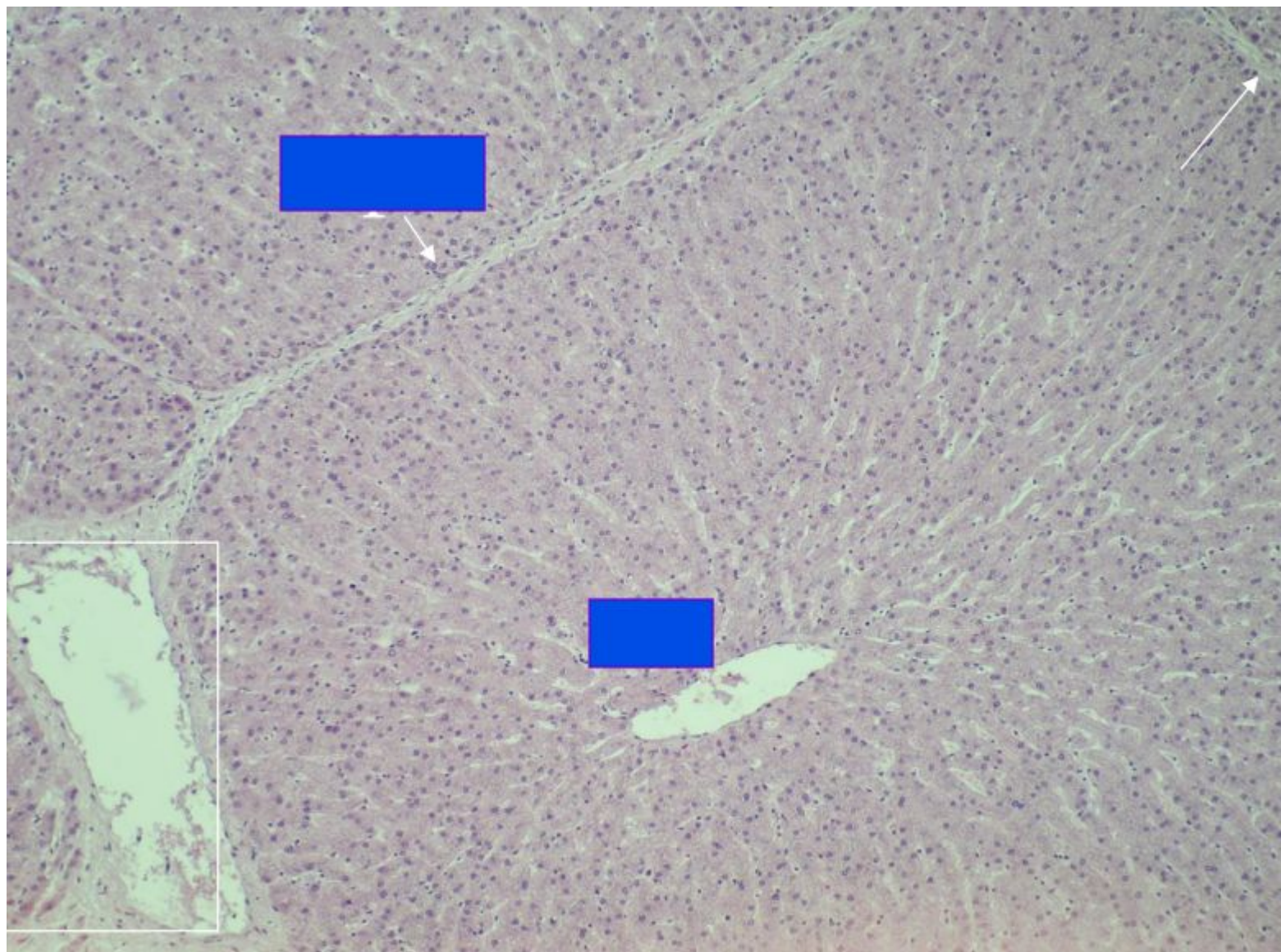


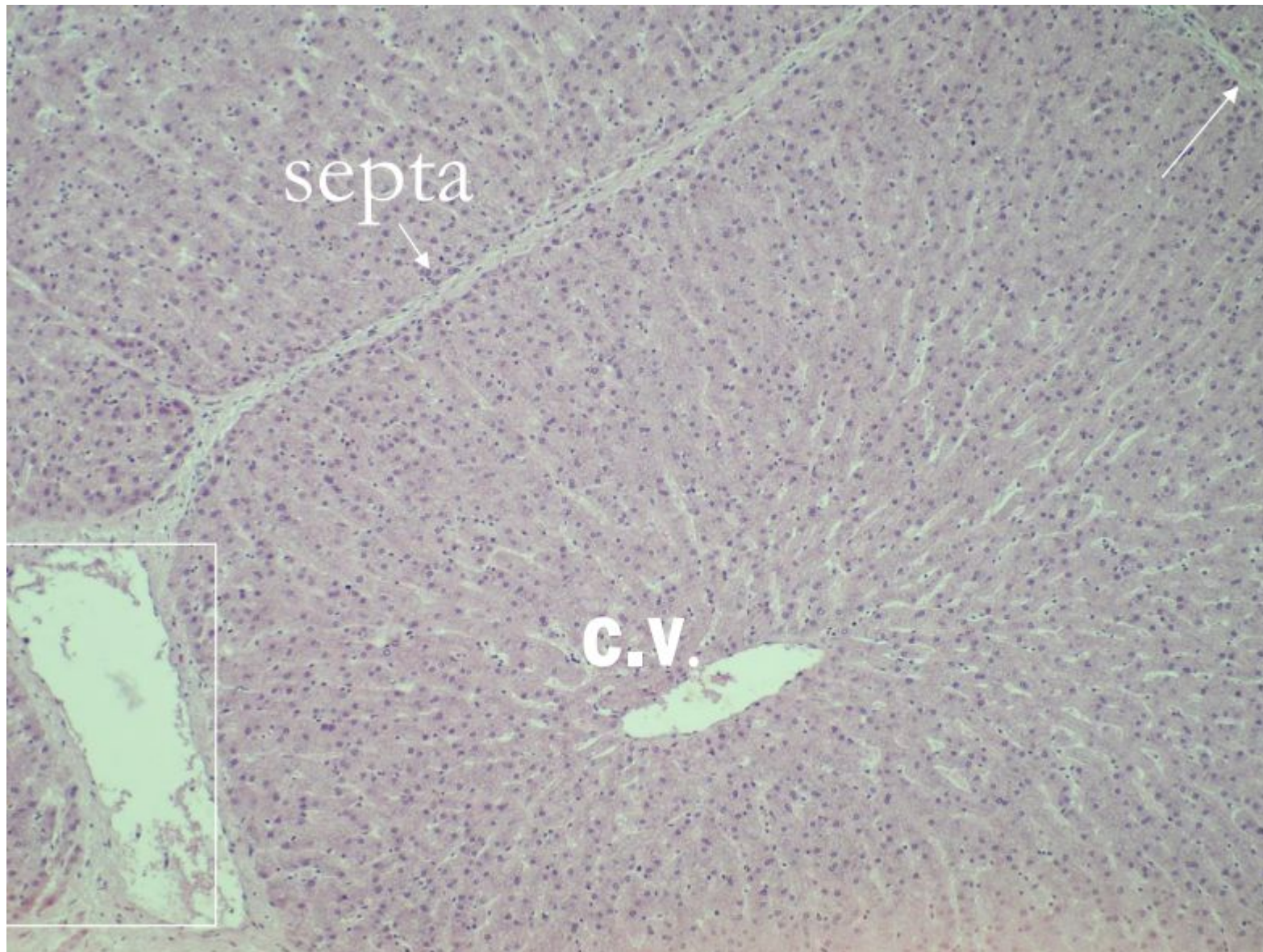
Secretory granules

r-ER

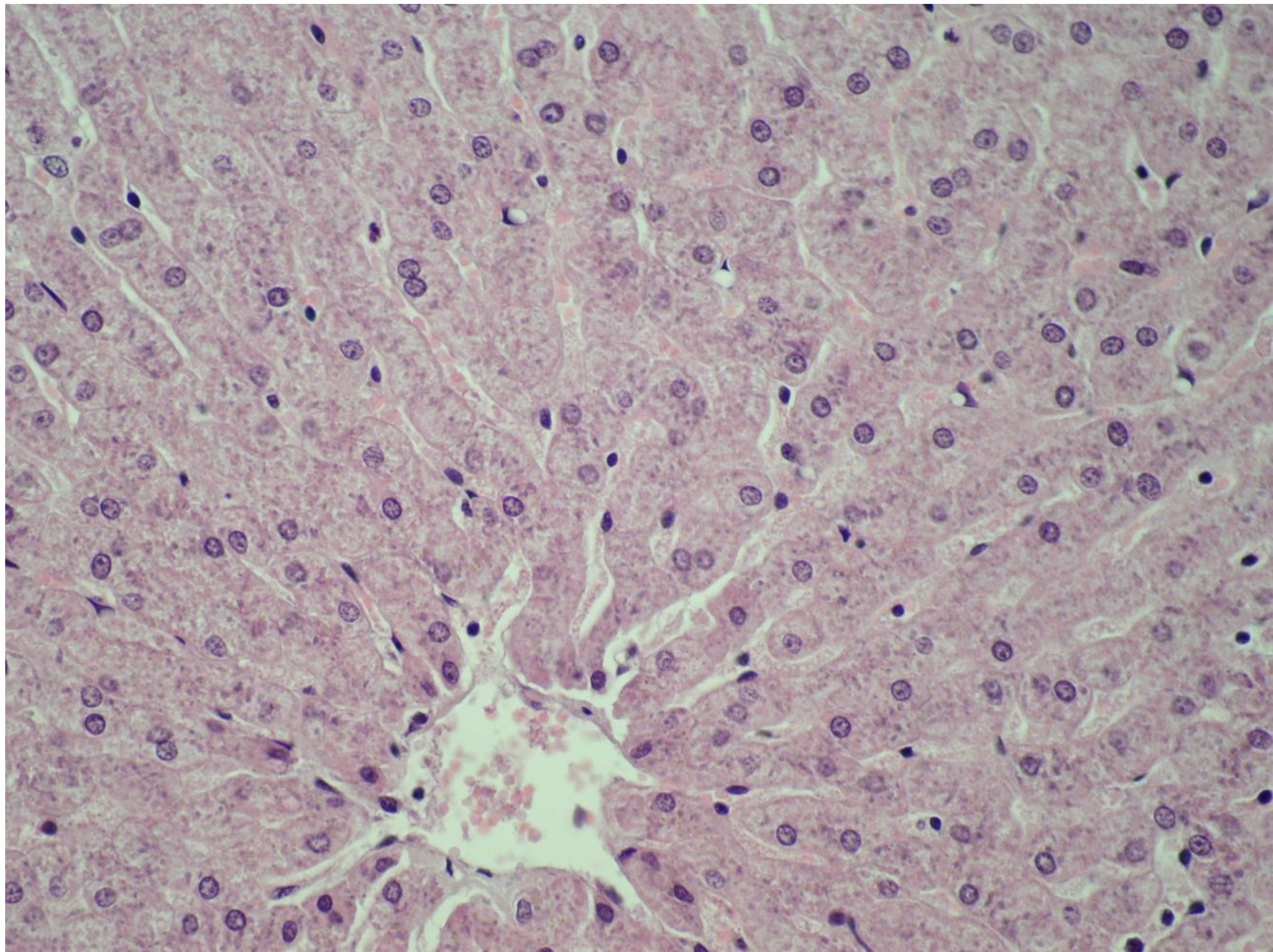
1st arrow: Intercalated ducts

2nd: Centroacinar cells

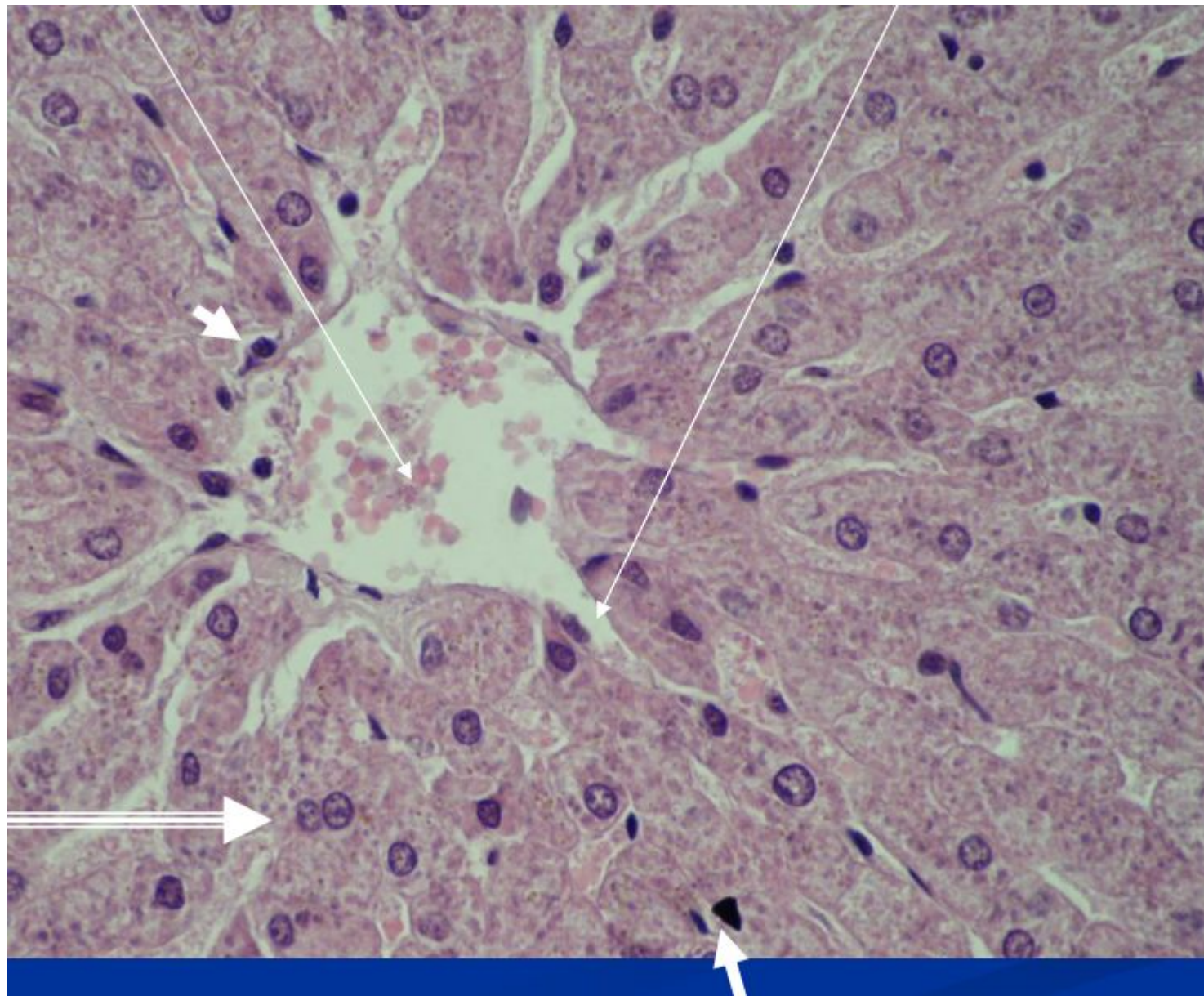




Animal liver glisson's capsule



Liver parenchyma portion around Central Vein

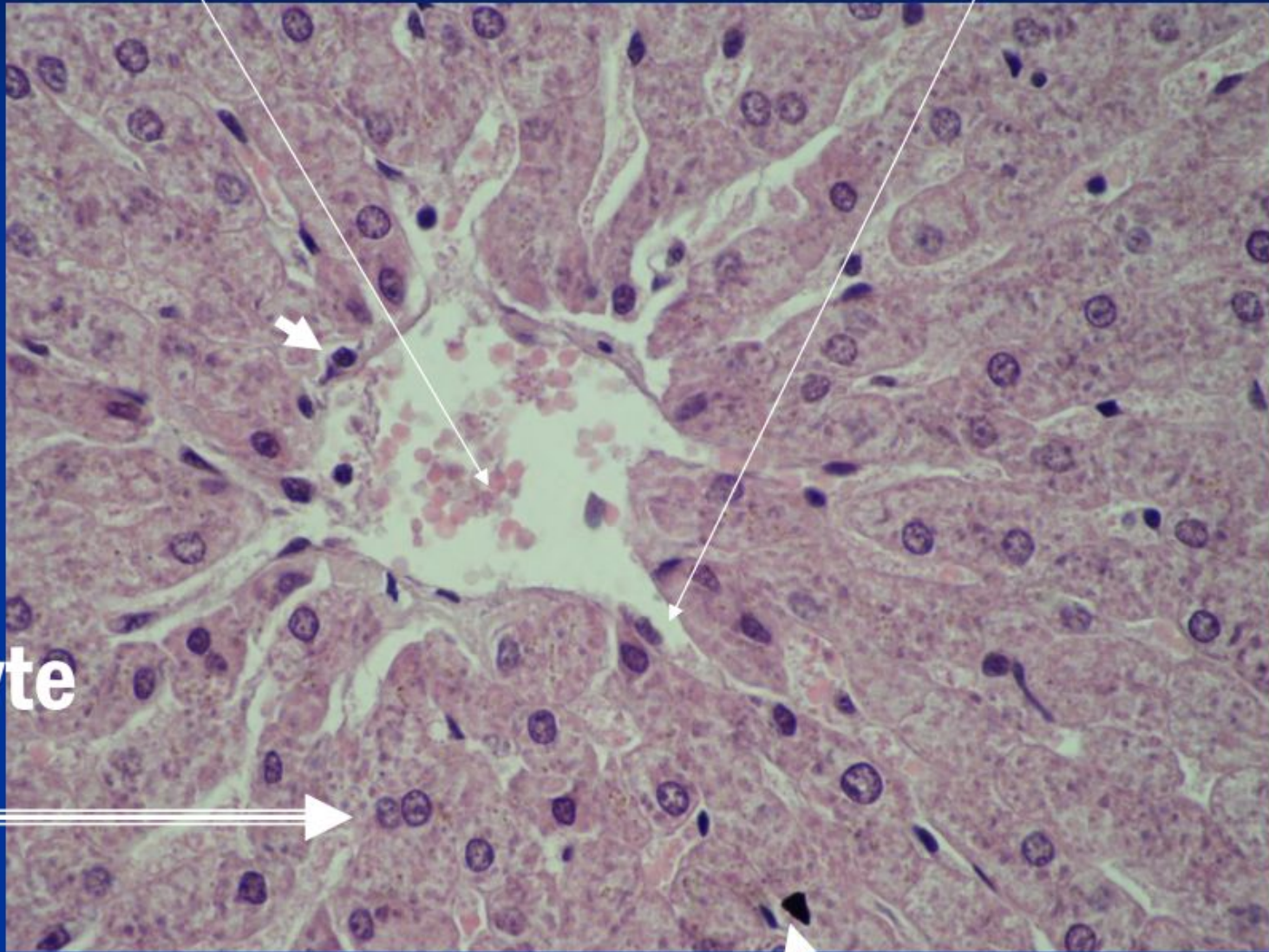


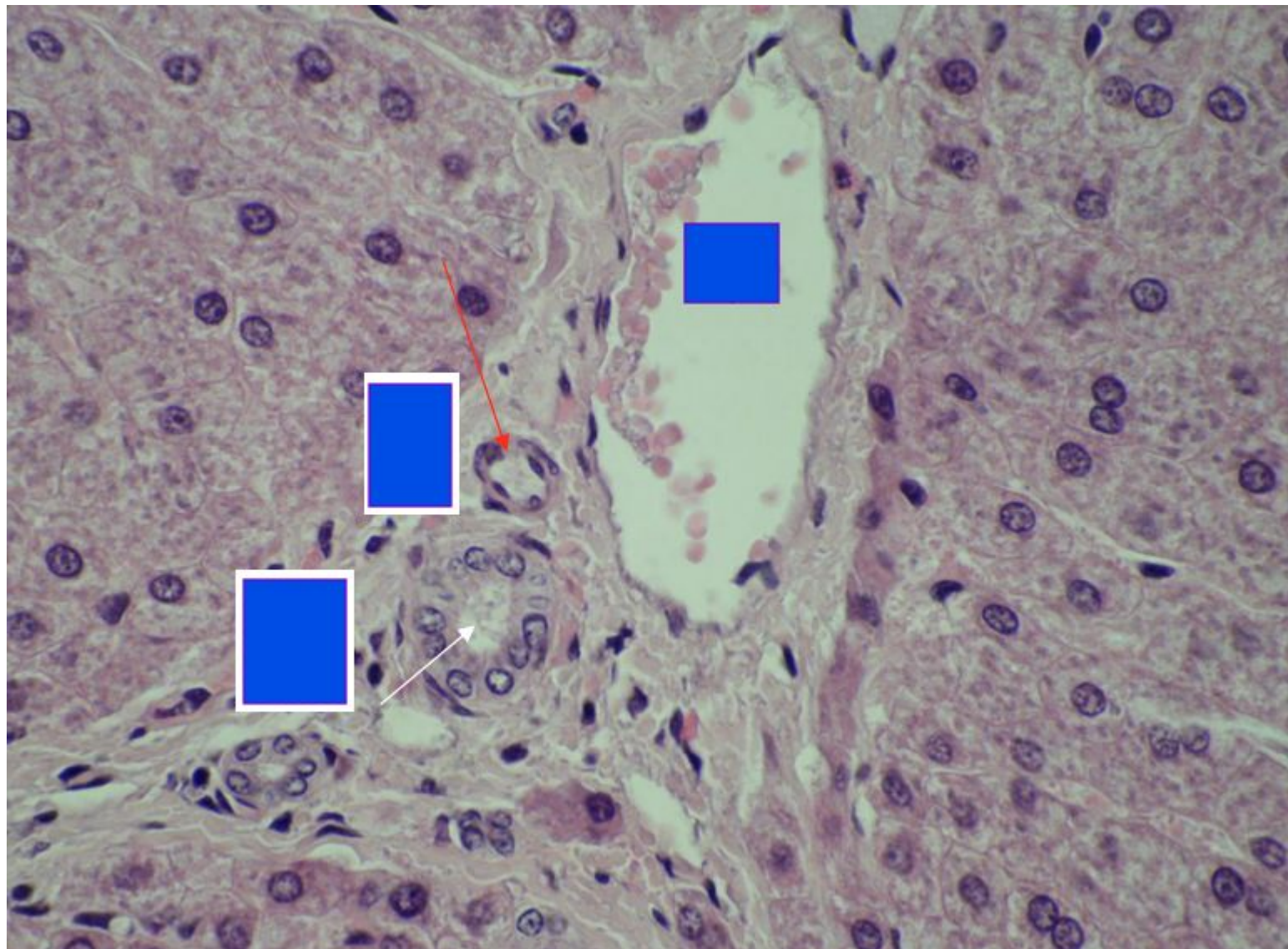
Central vein

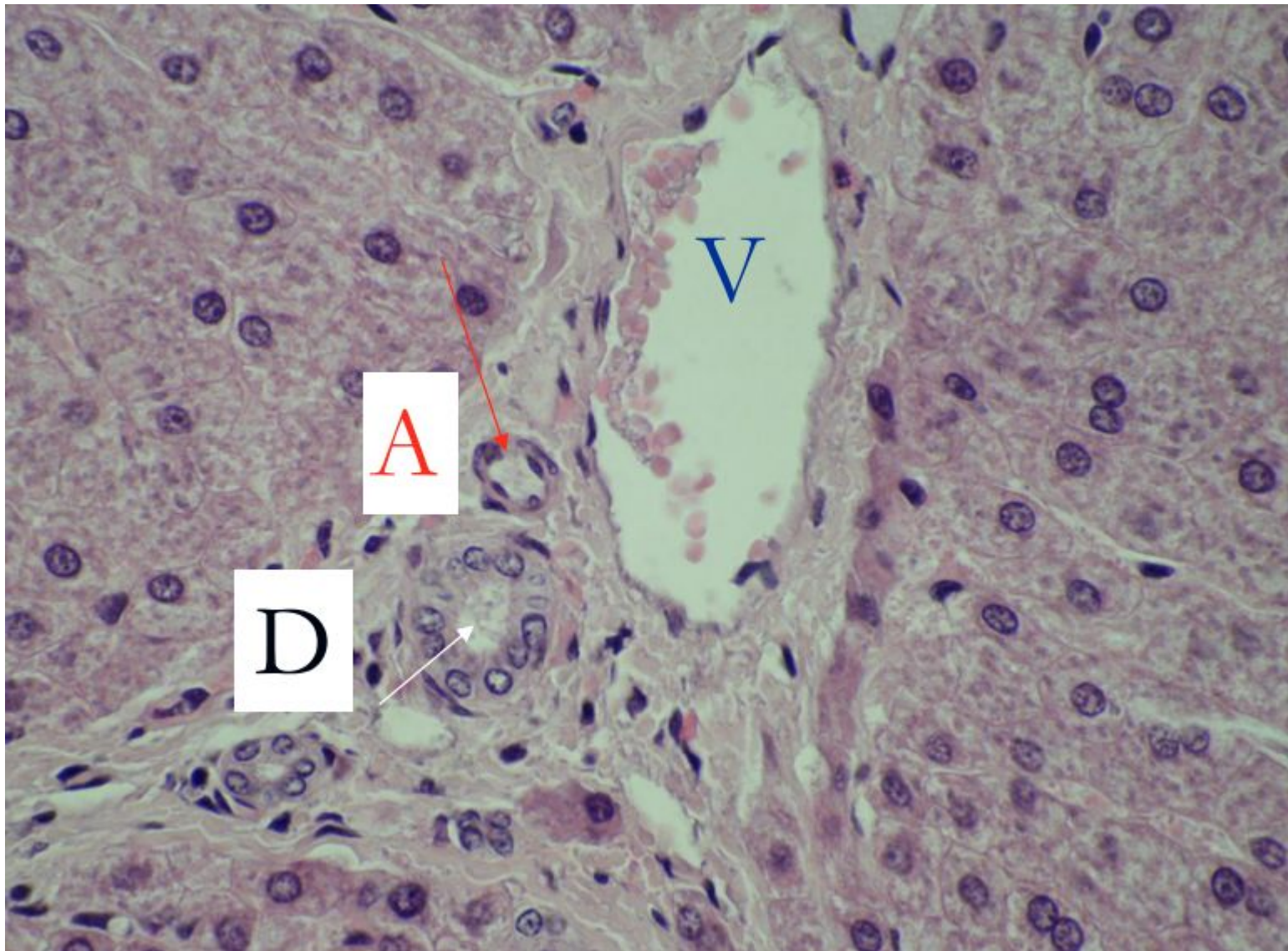
Sinusoid(endothelium)

hepatocyte

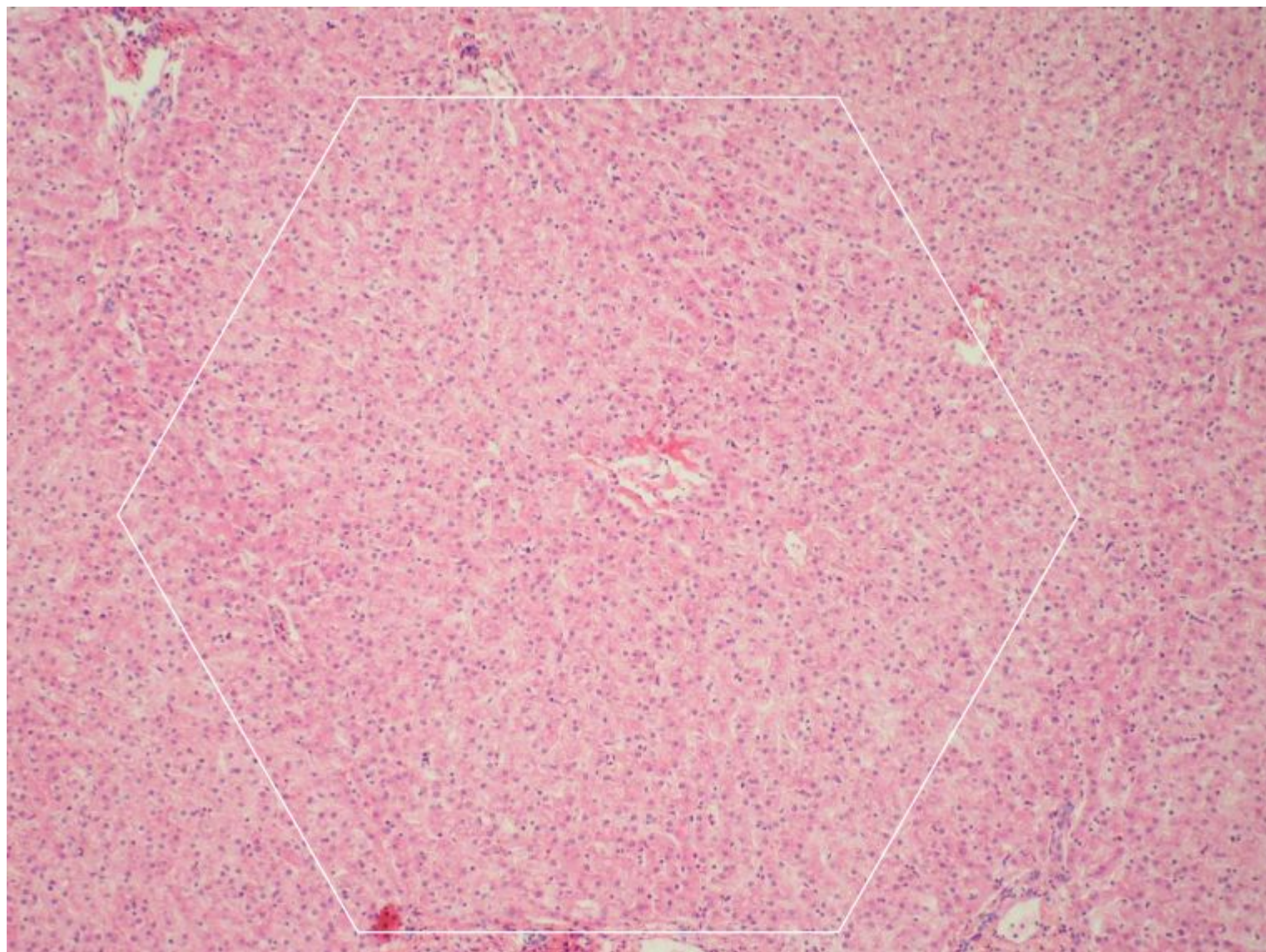
Kupffer Cell



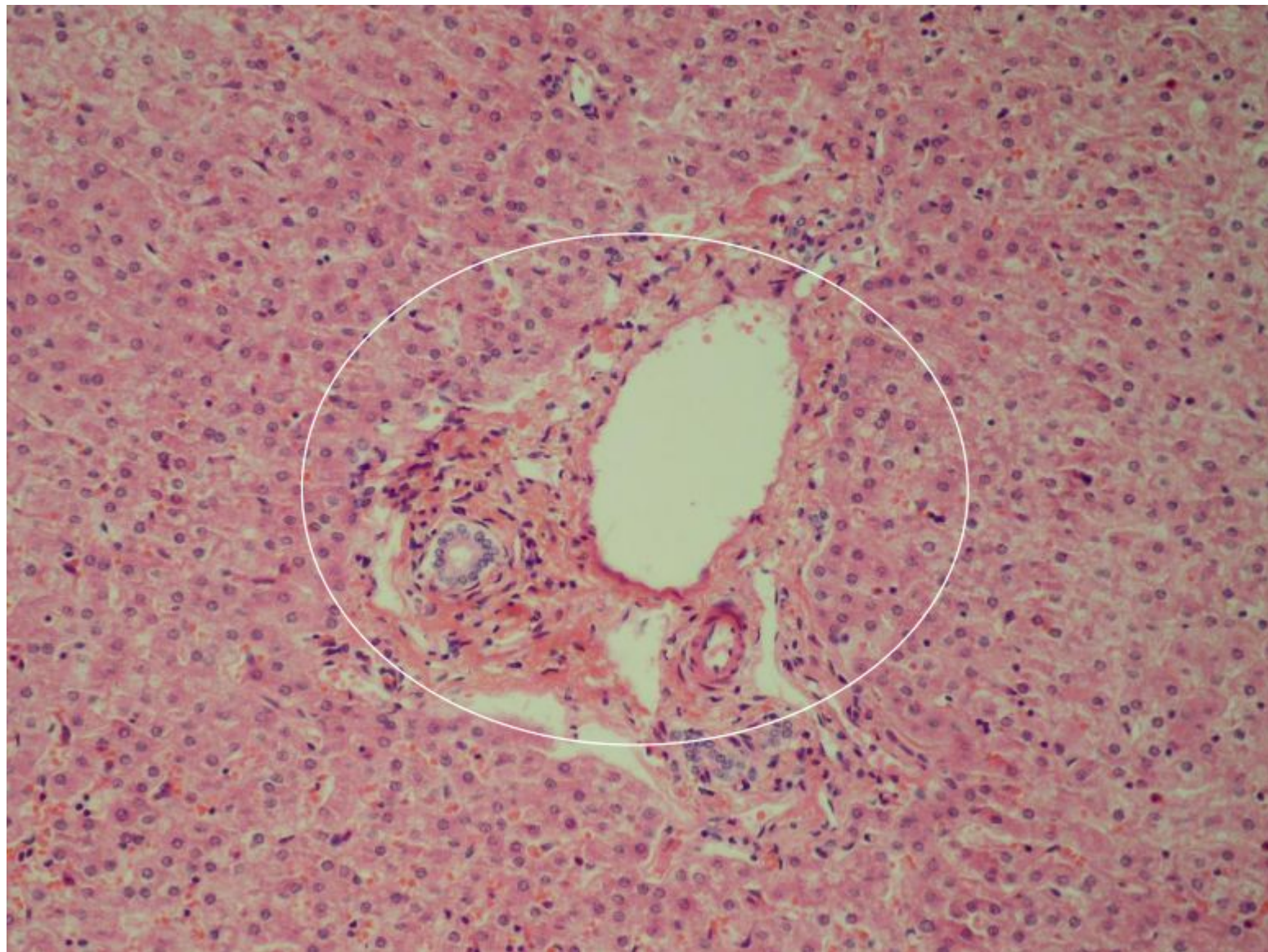




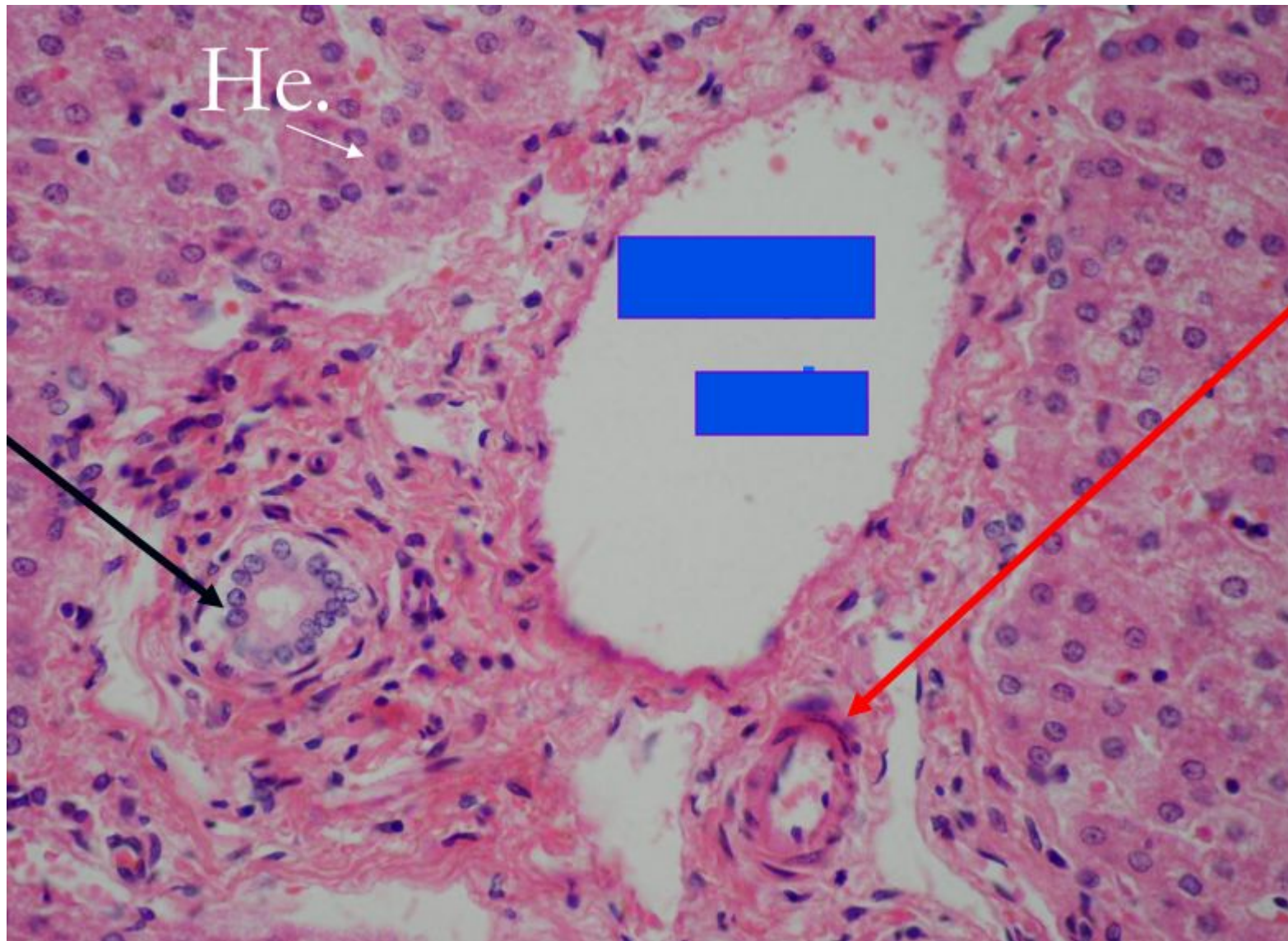
D: Bile Duct

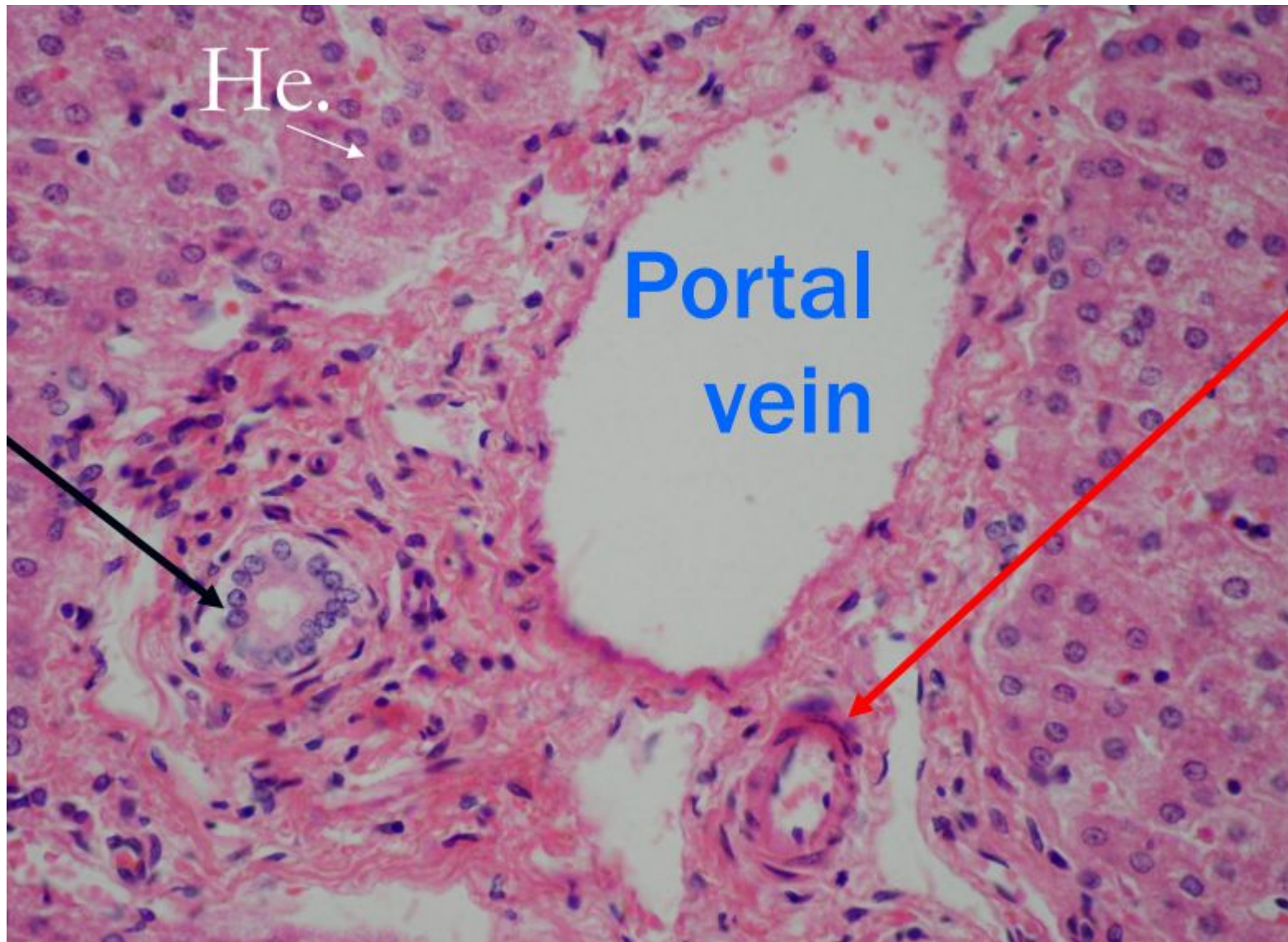


Human Liver

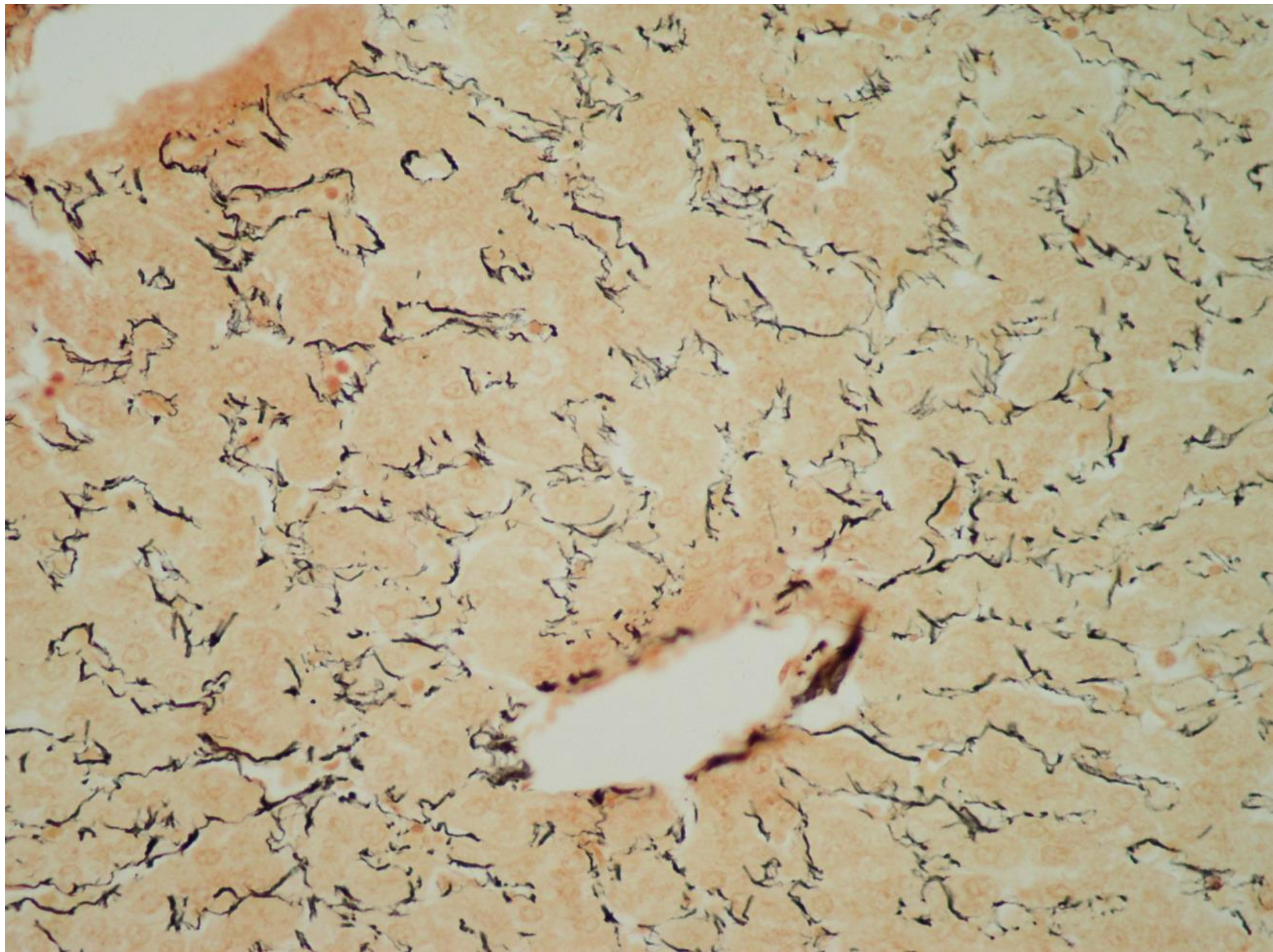


Liver
Portal Space

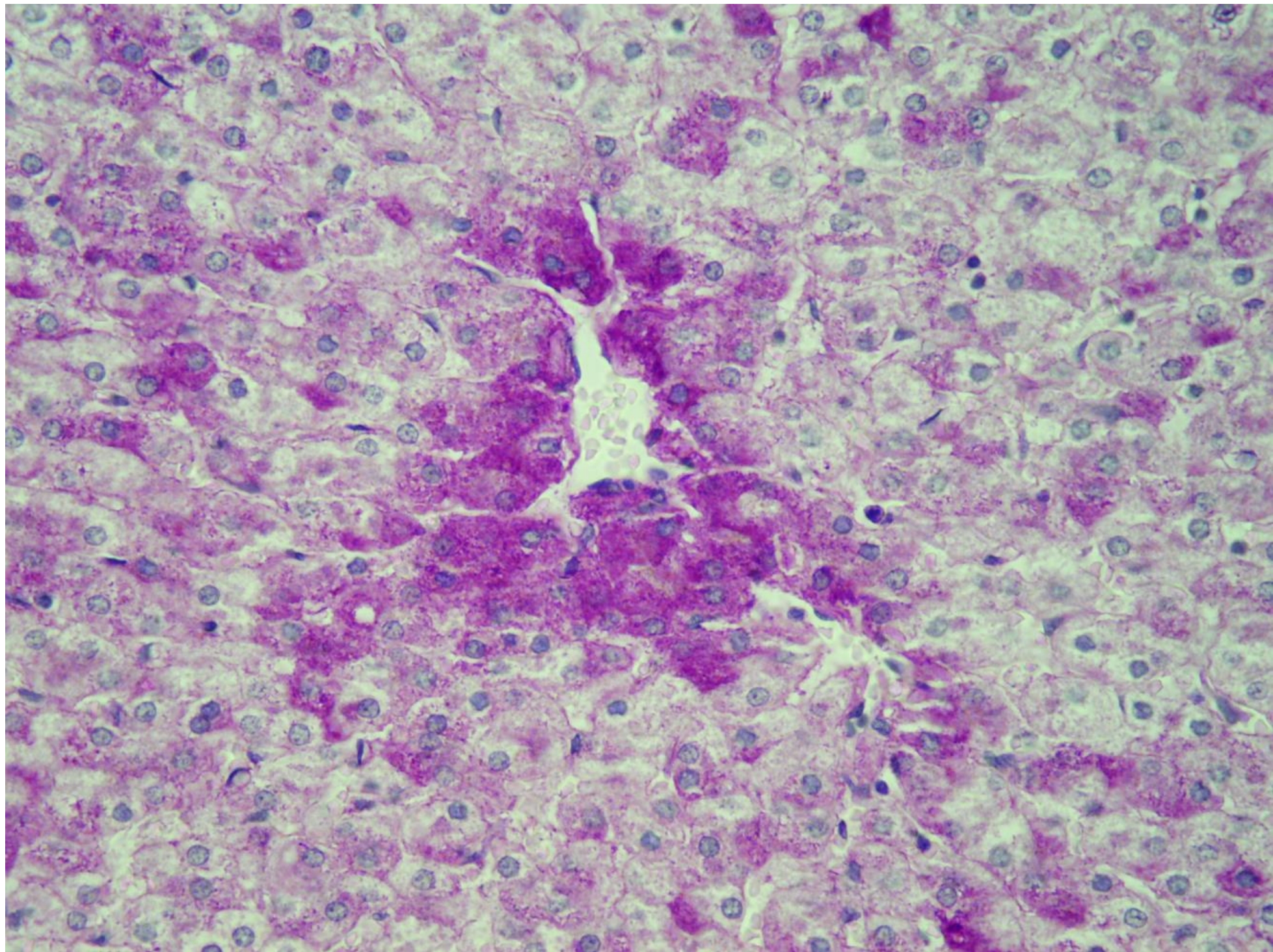




Red: Hepatic Artery
Black: Bile Duct



Silver impregnation reticular fibers



Hepatocytes
P.A.S reaction
glycogen