

Oral cavity

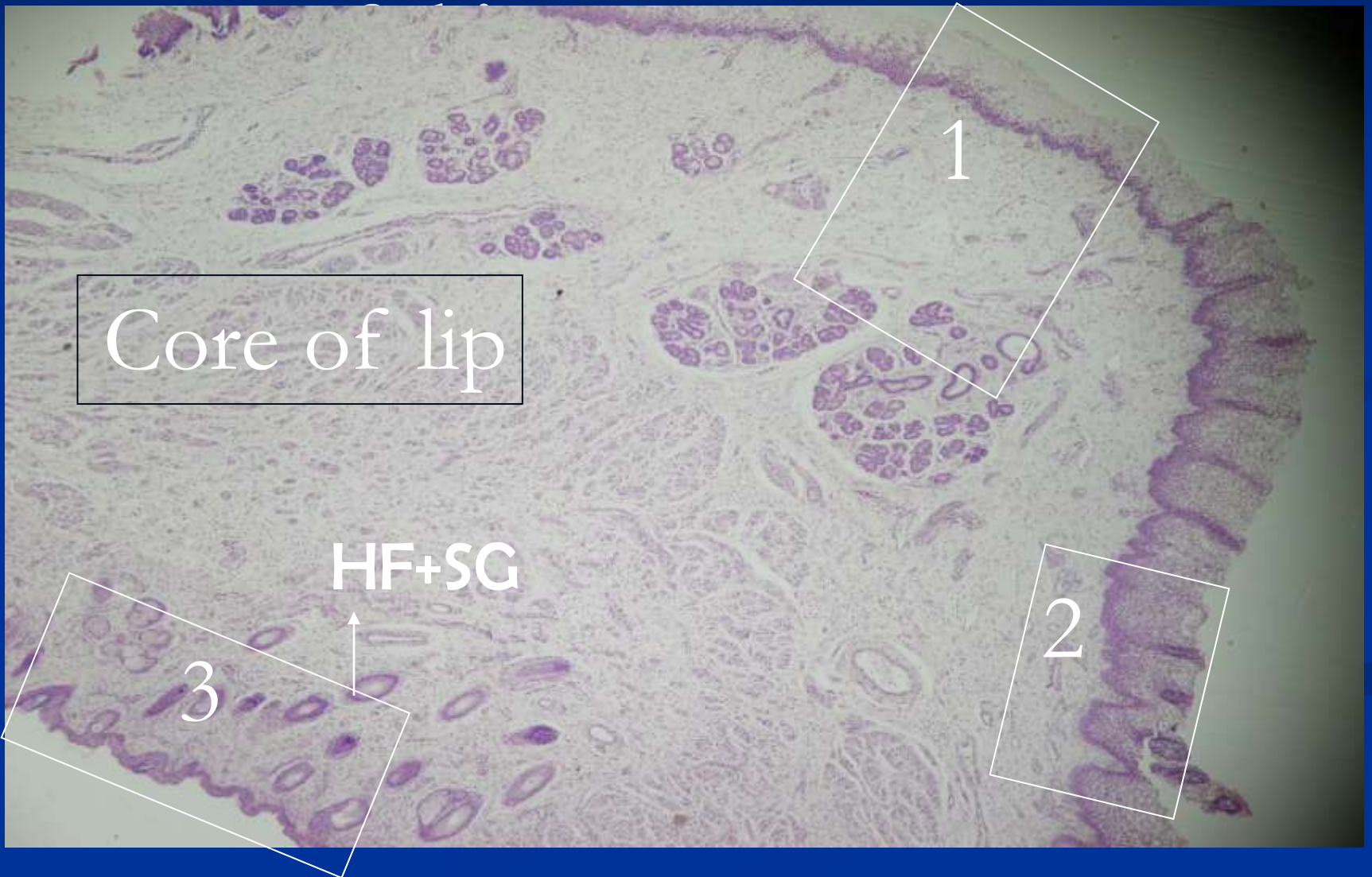
A mucocutaneous junction (lip) ■

Tongue ■

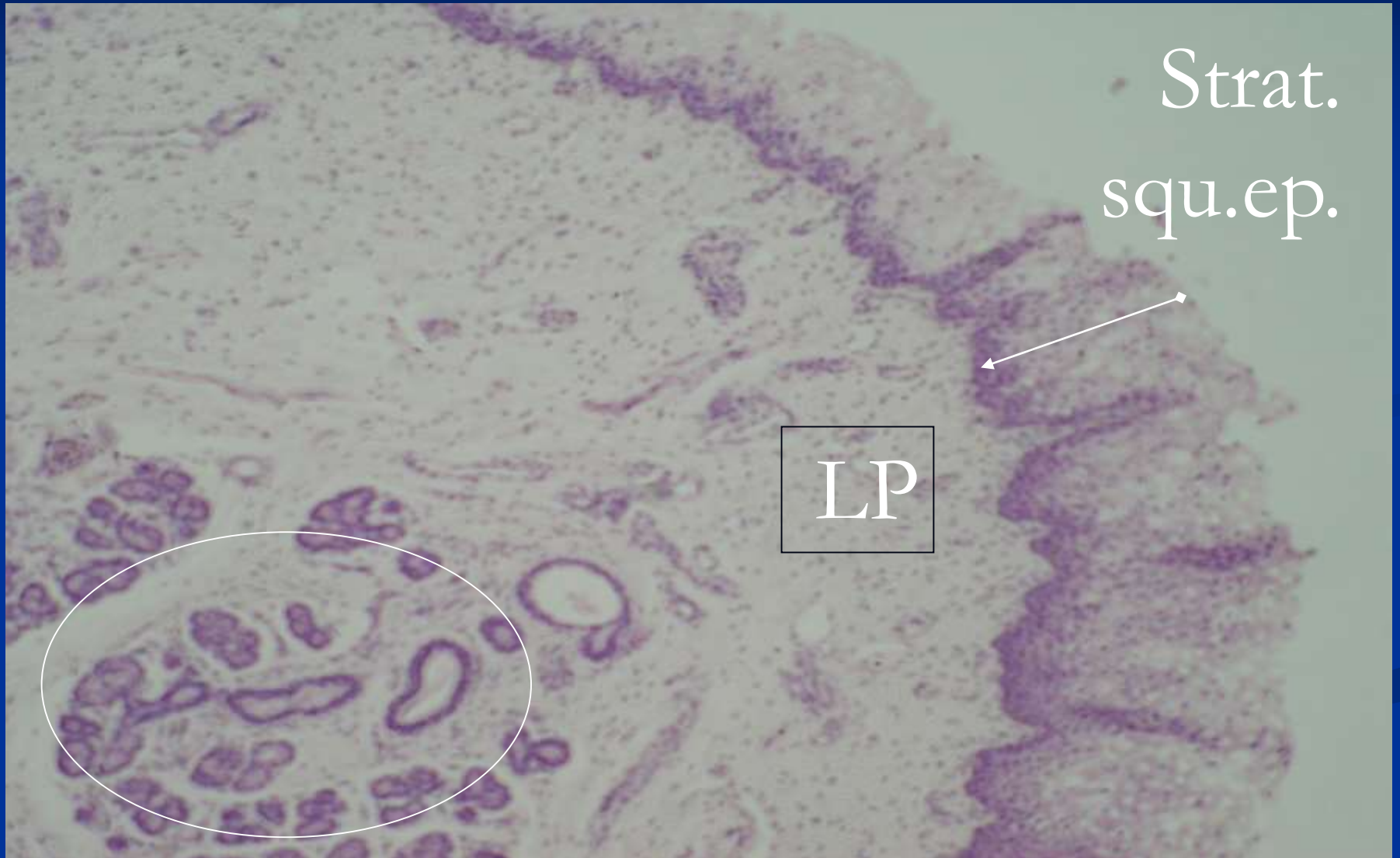
Salivary glands ■

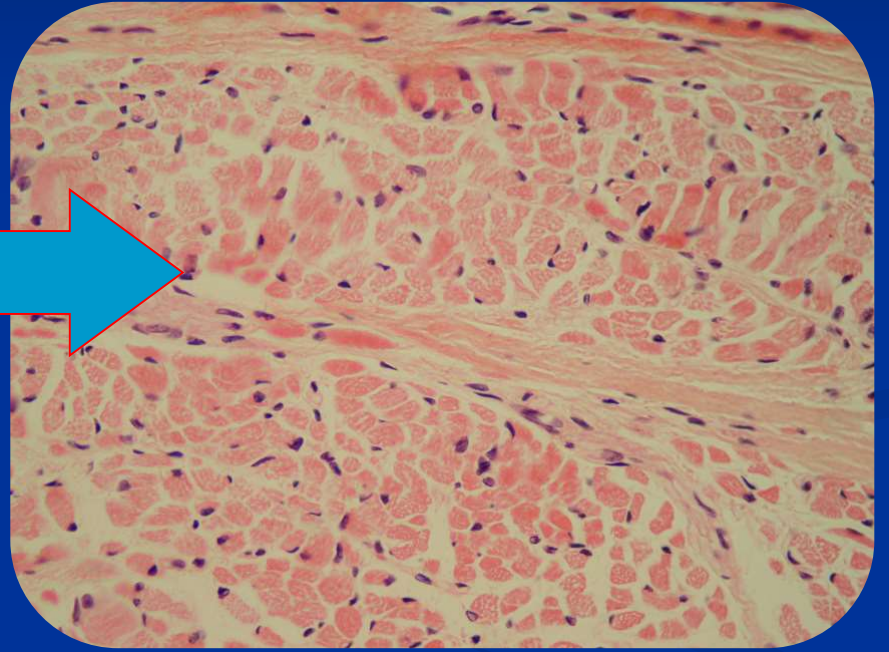
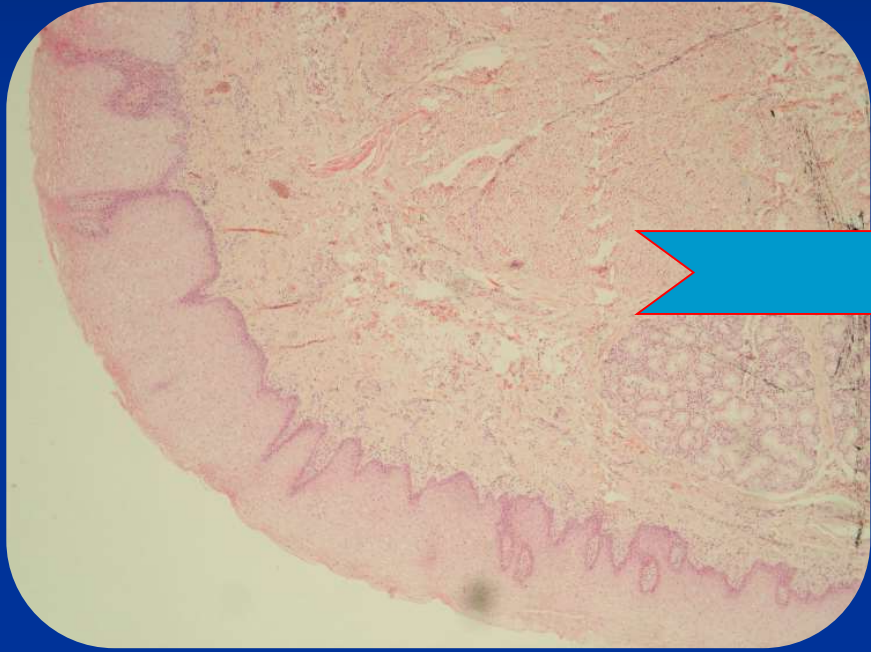
Sagittal section of LIP

1 Oral mucosa 2 red margin

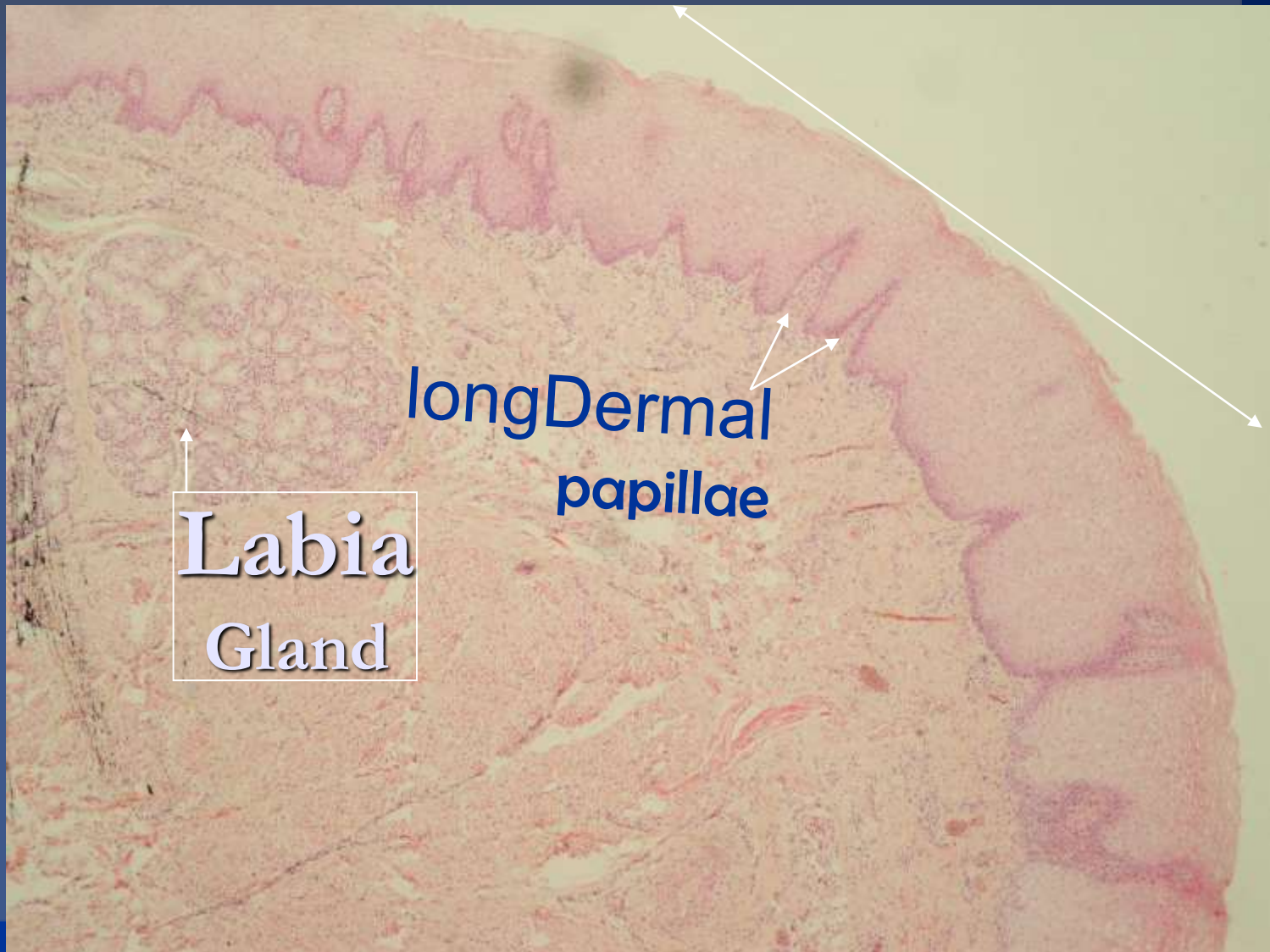


Oral mucosa part labial seromucous gland





Vermilion (transition zone)

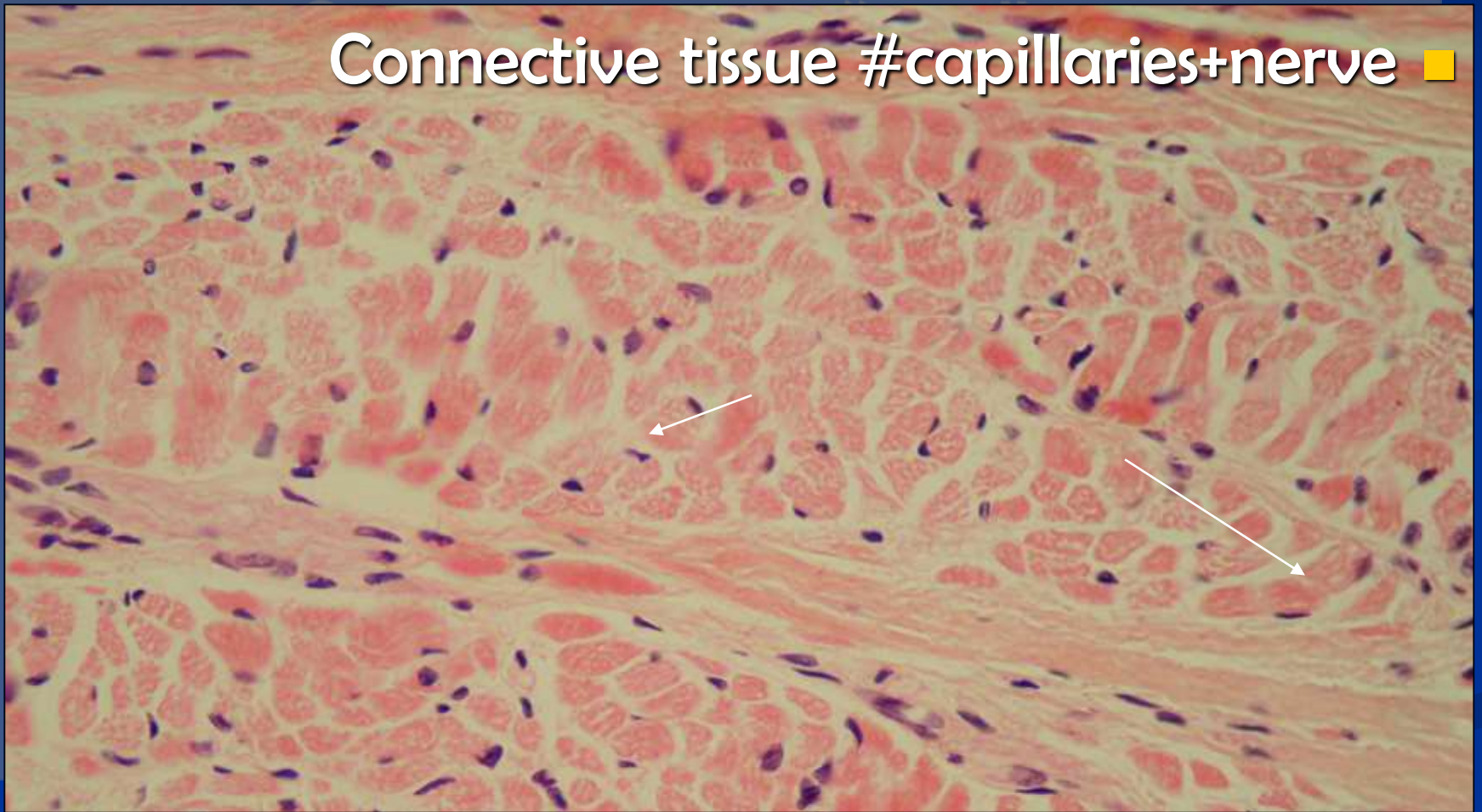


Labia
Gland

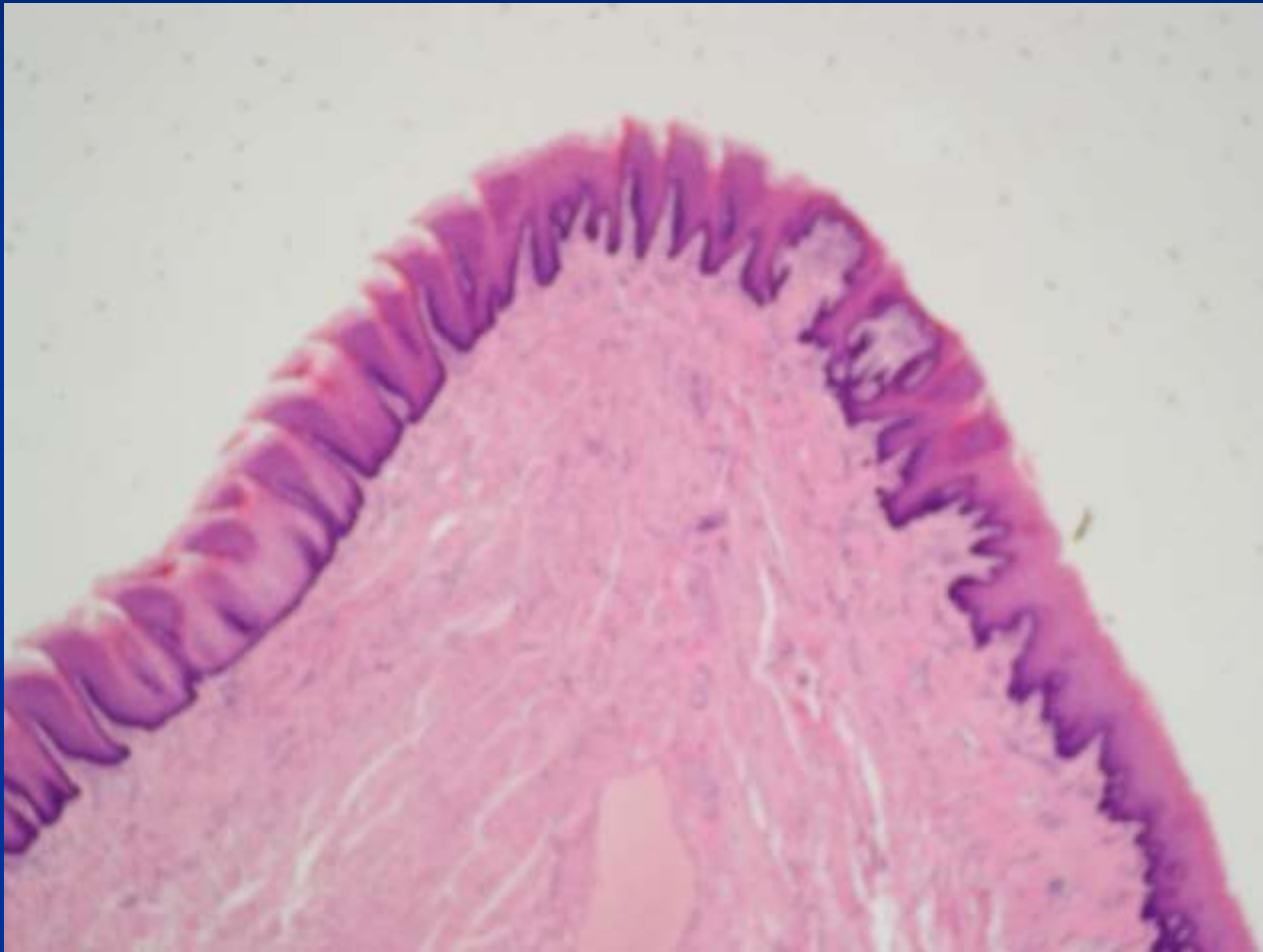
long Dermal
papillae

Fine skeletal muscle in core of lip

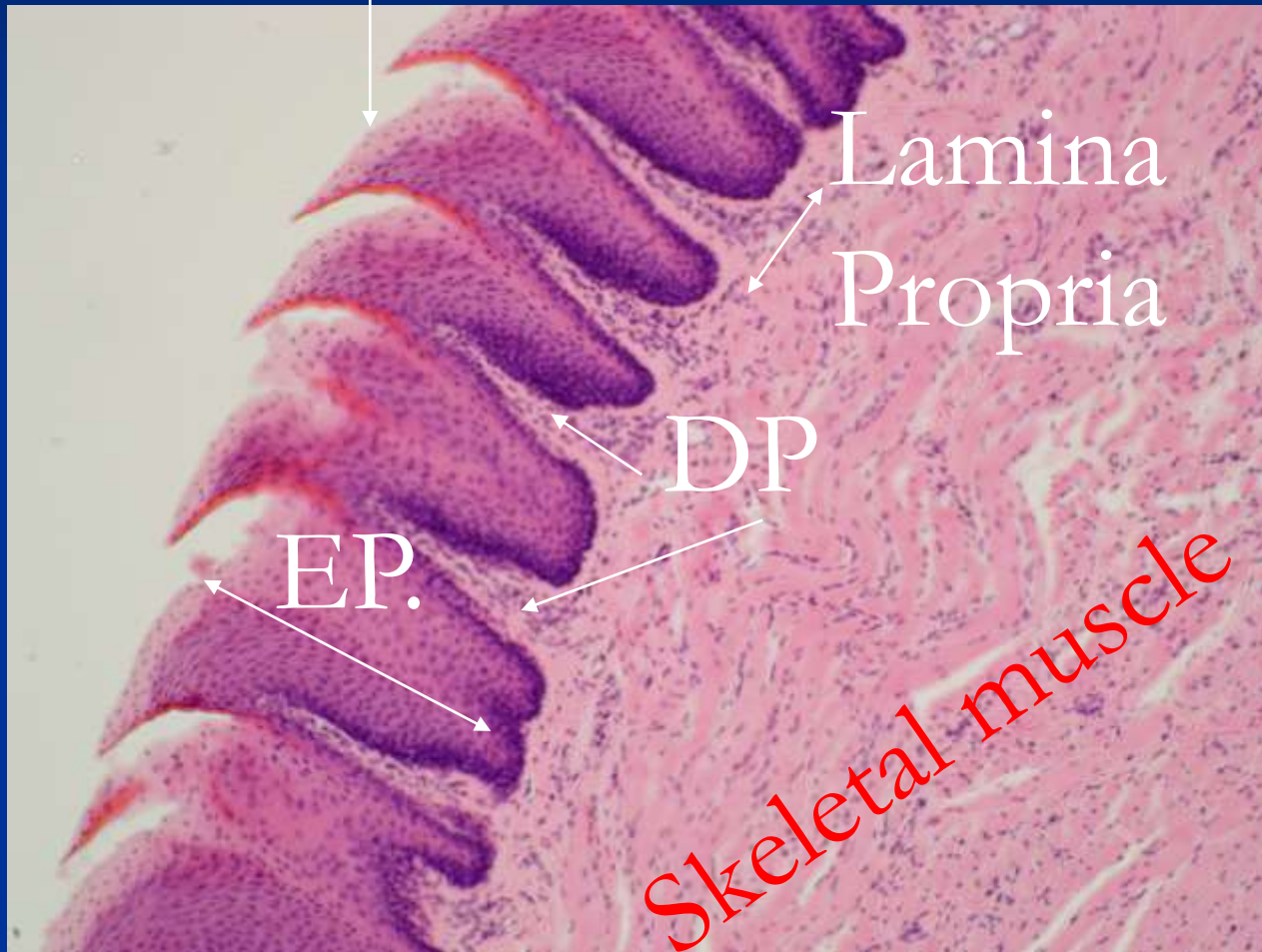
Connective tissue #capillaries+nerve ■

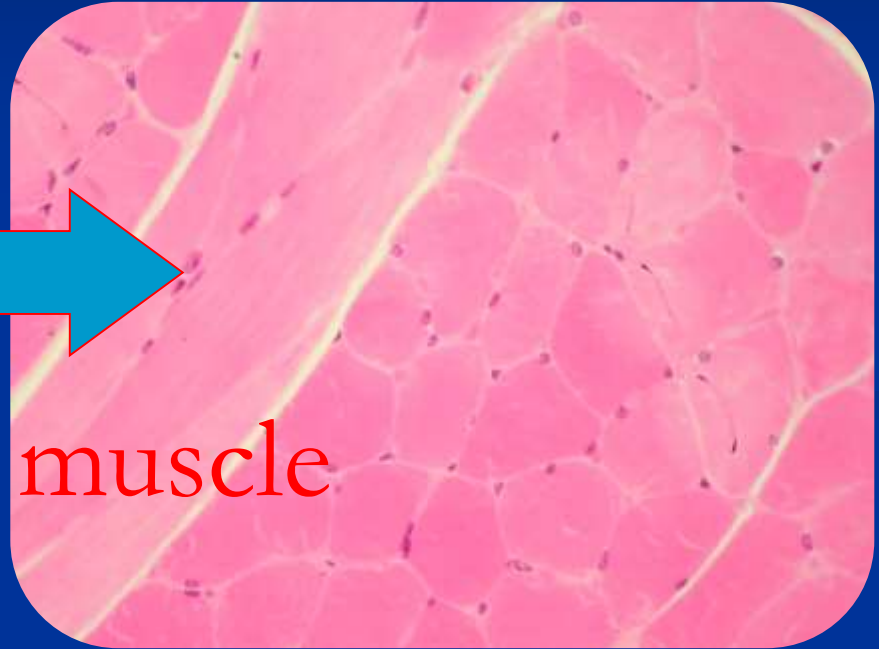
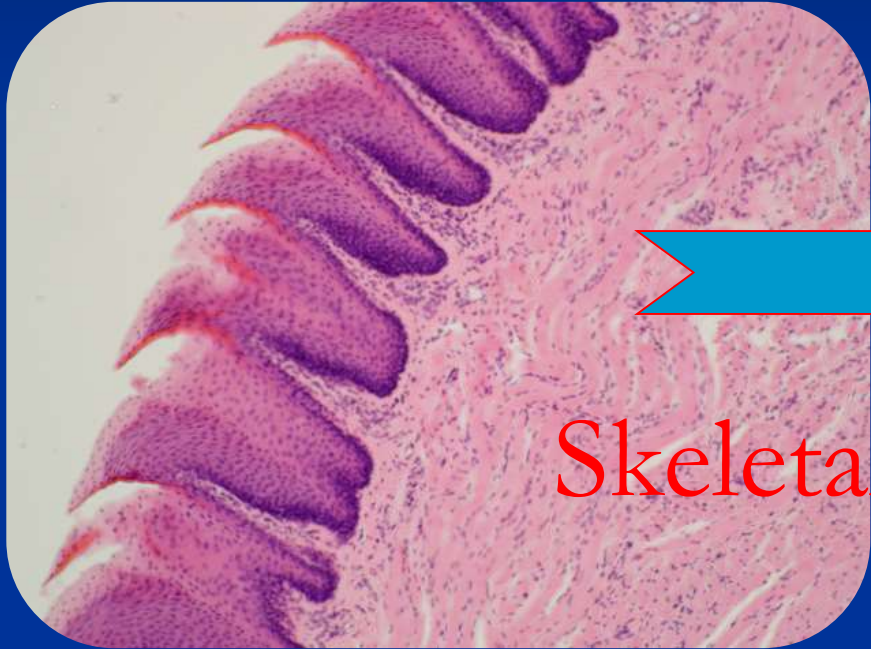


Tongue(dorsal surface)



Filiform Papillae



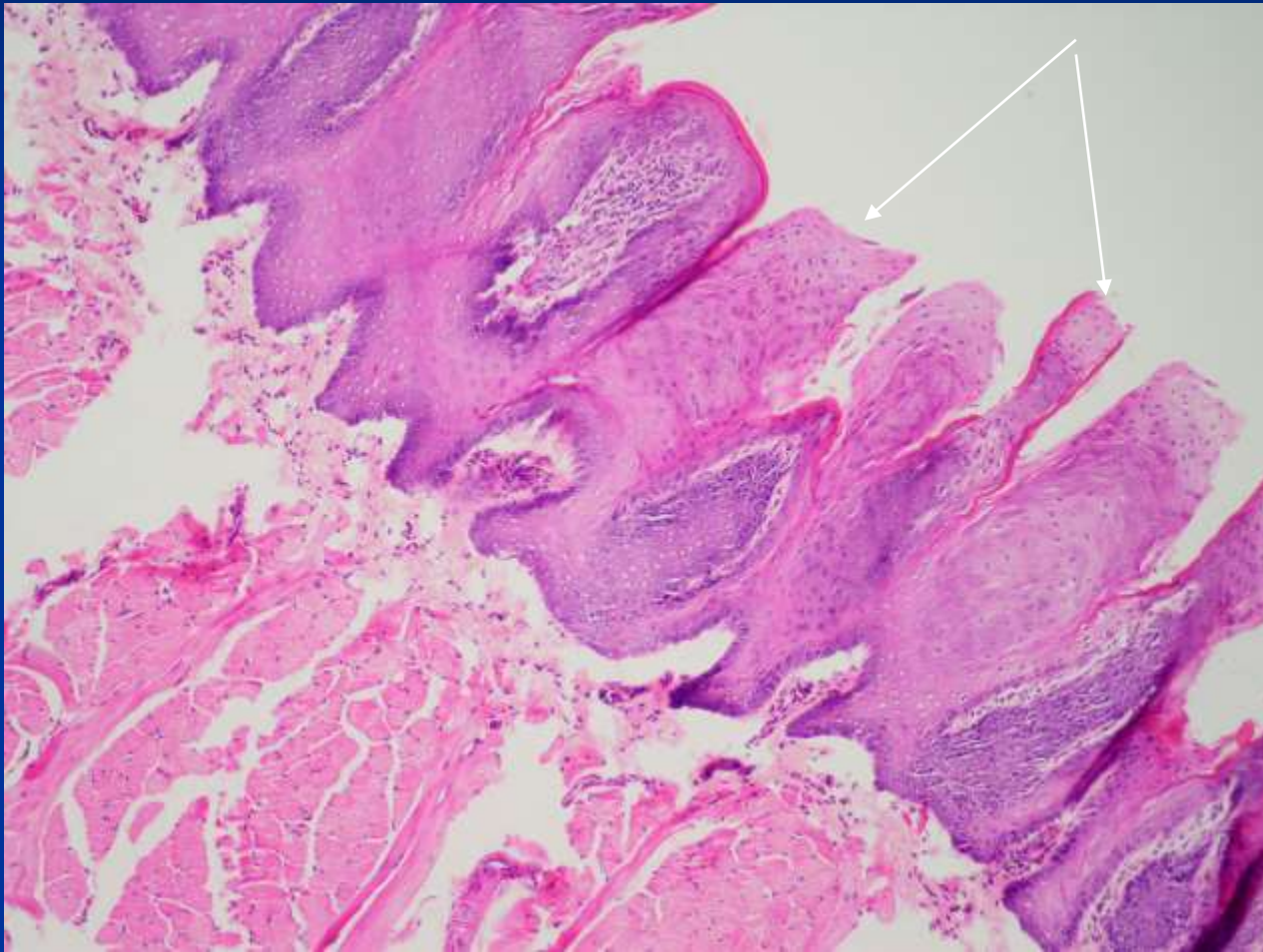


Skeletal muscle

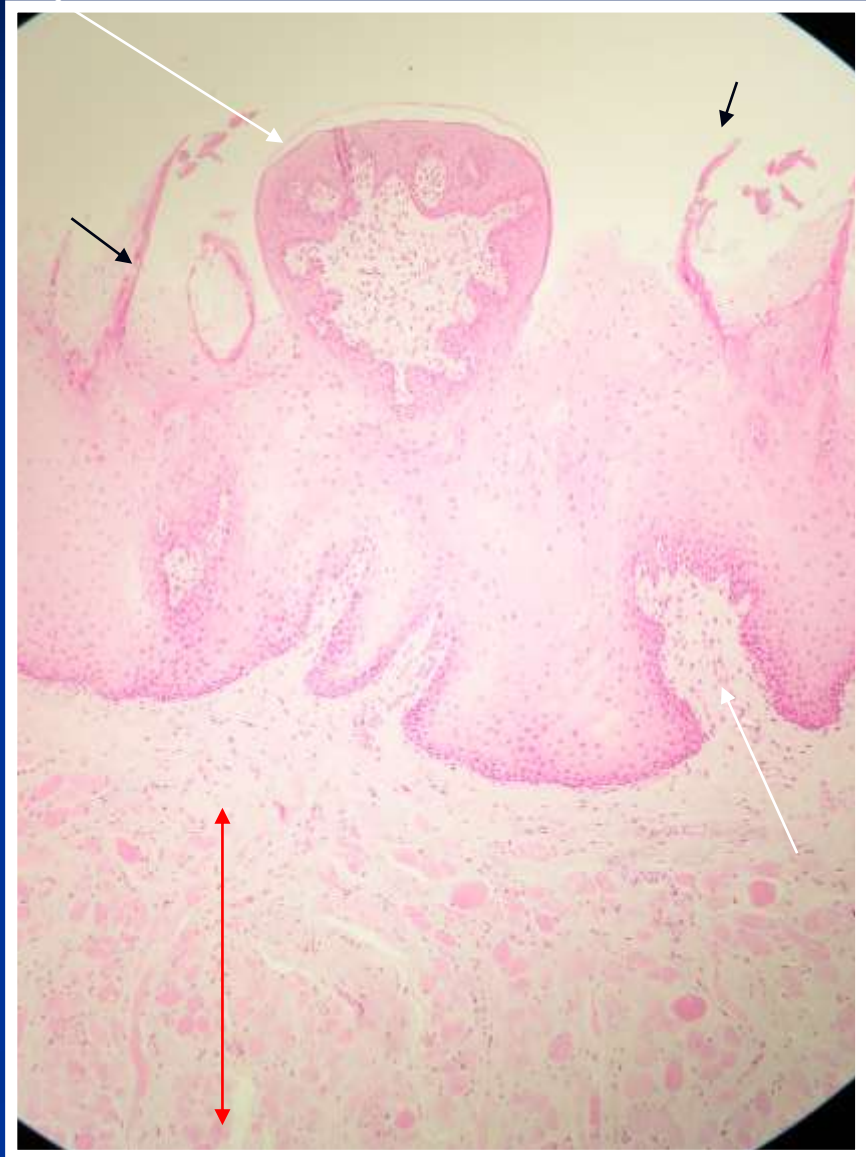
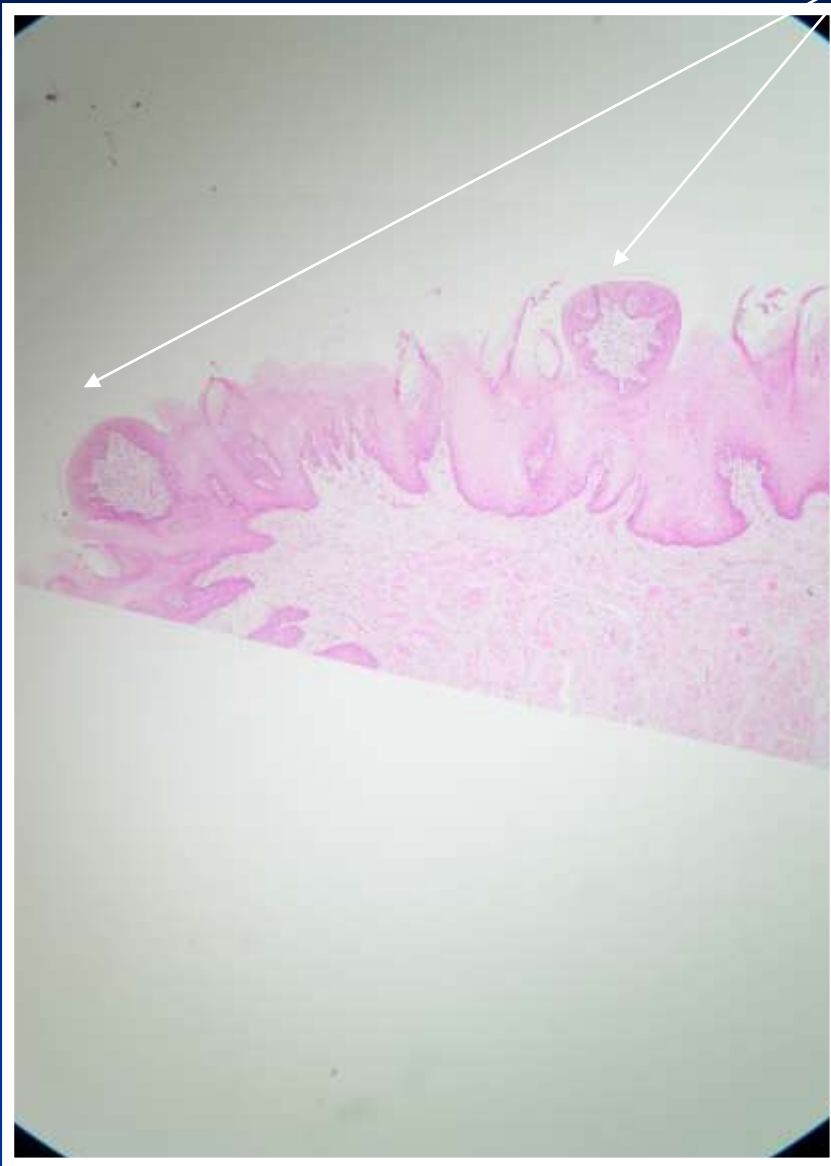
Filiform Papillae



Filiform Papillae



Fungiform papilla



Str. Squa.Ep..



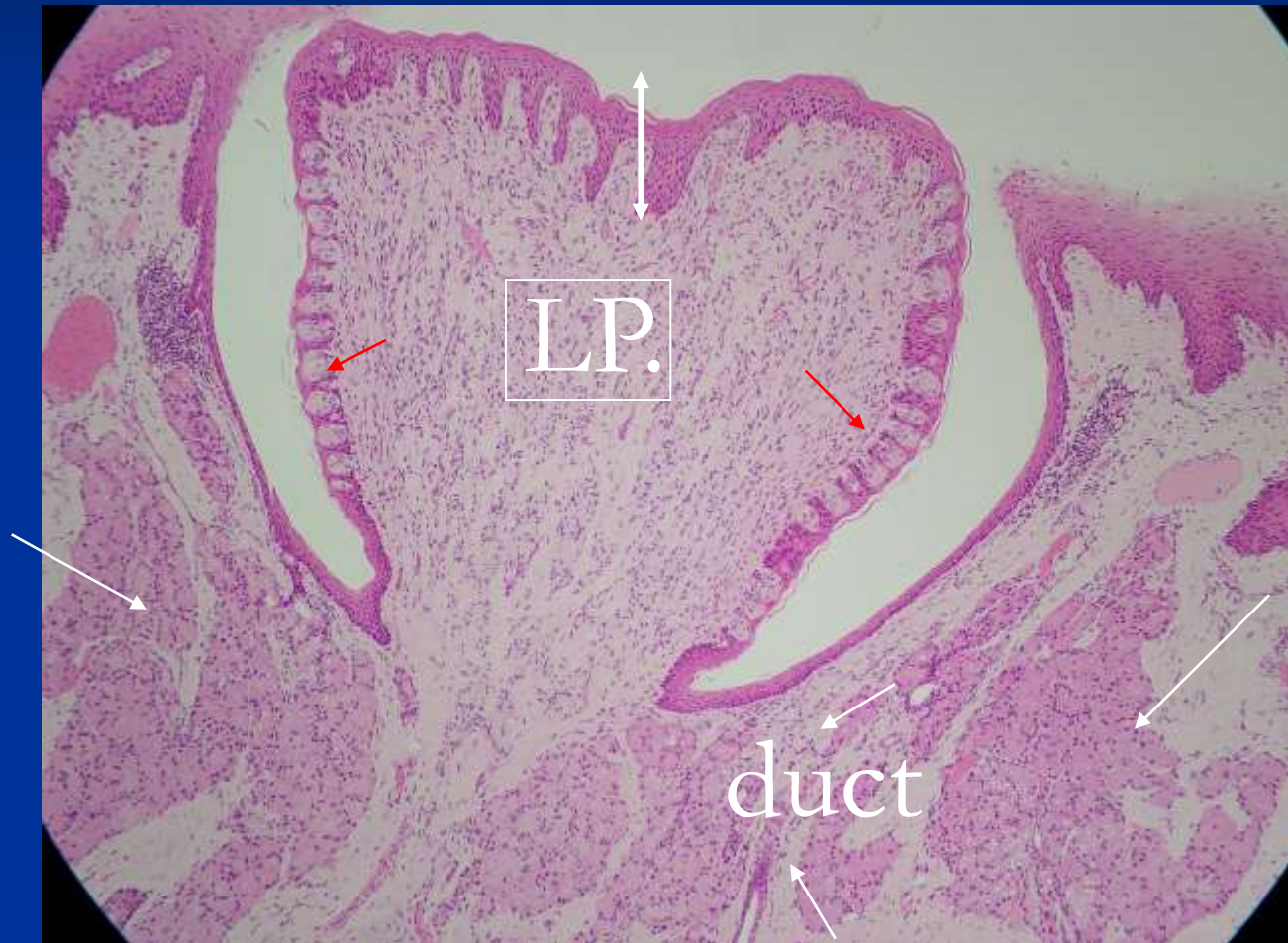
Circumvallate Papilla

sulcus=groove

VonIbner's gland

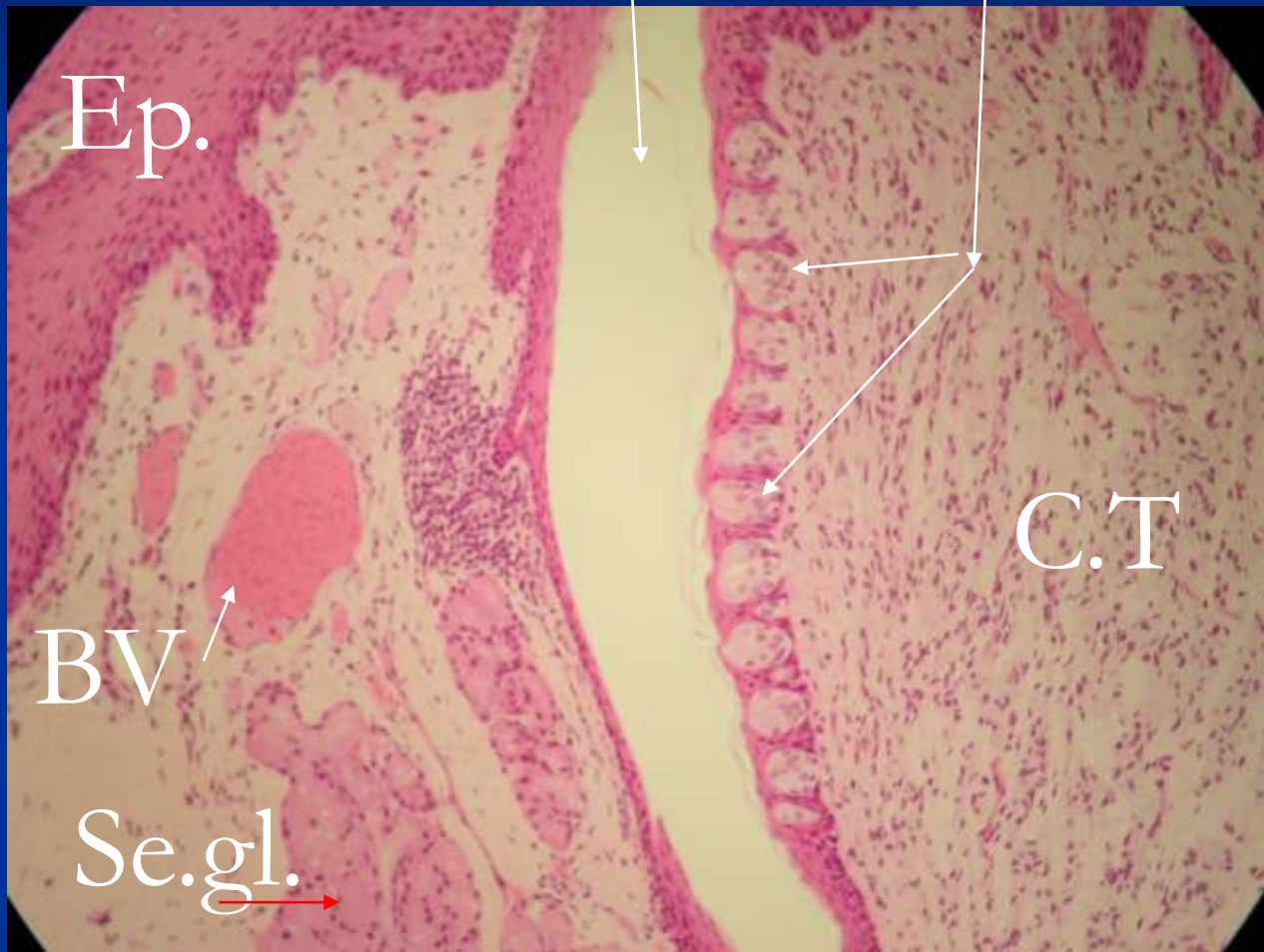


Taste bud

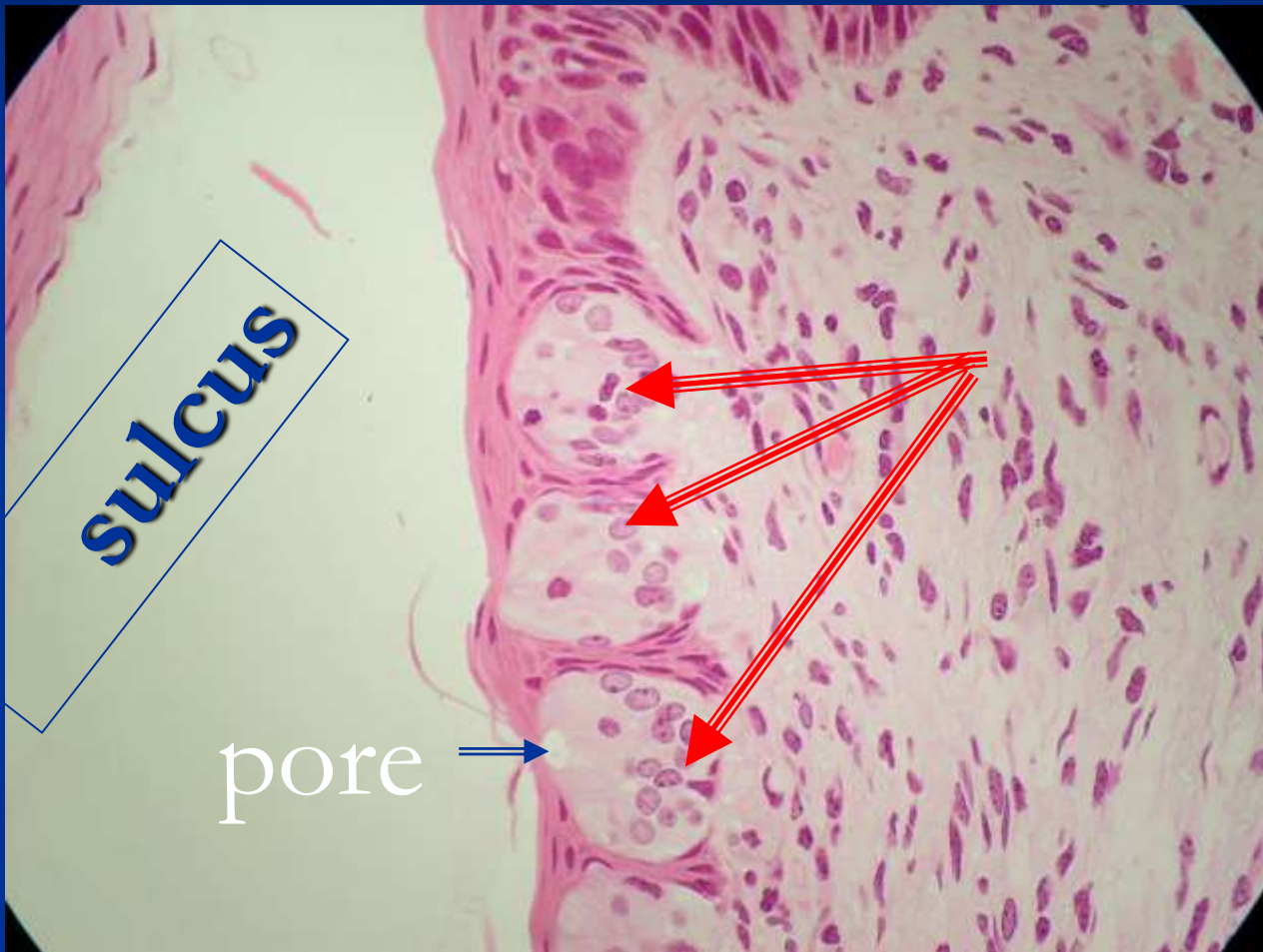


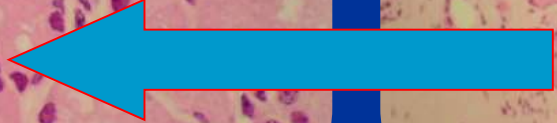
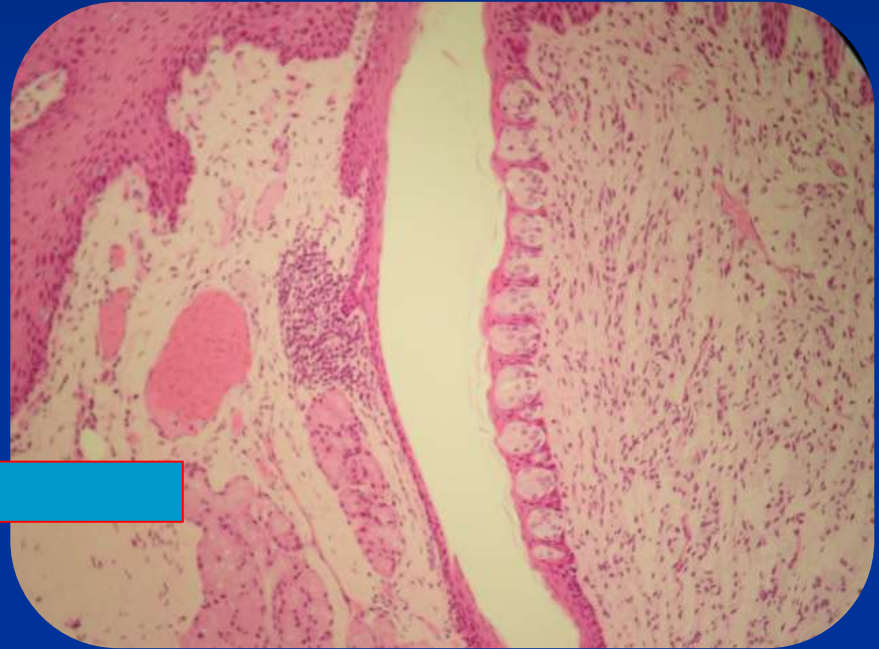
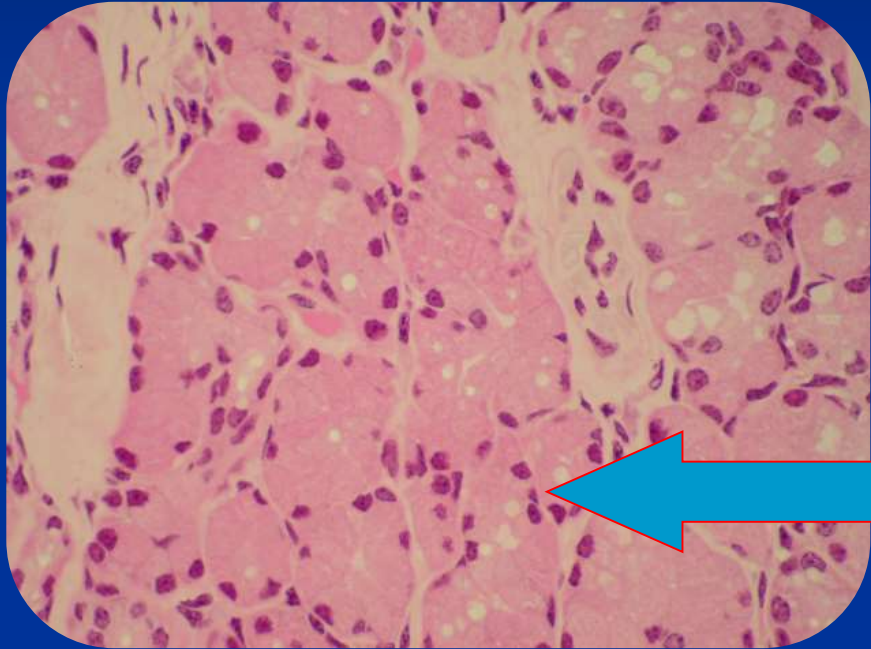
VonIb.
Gl.

Serous gl. sulcus Taste bud

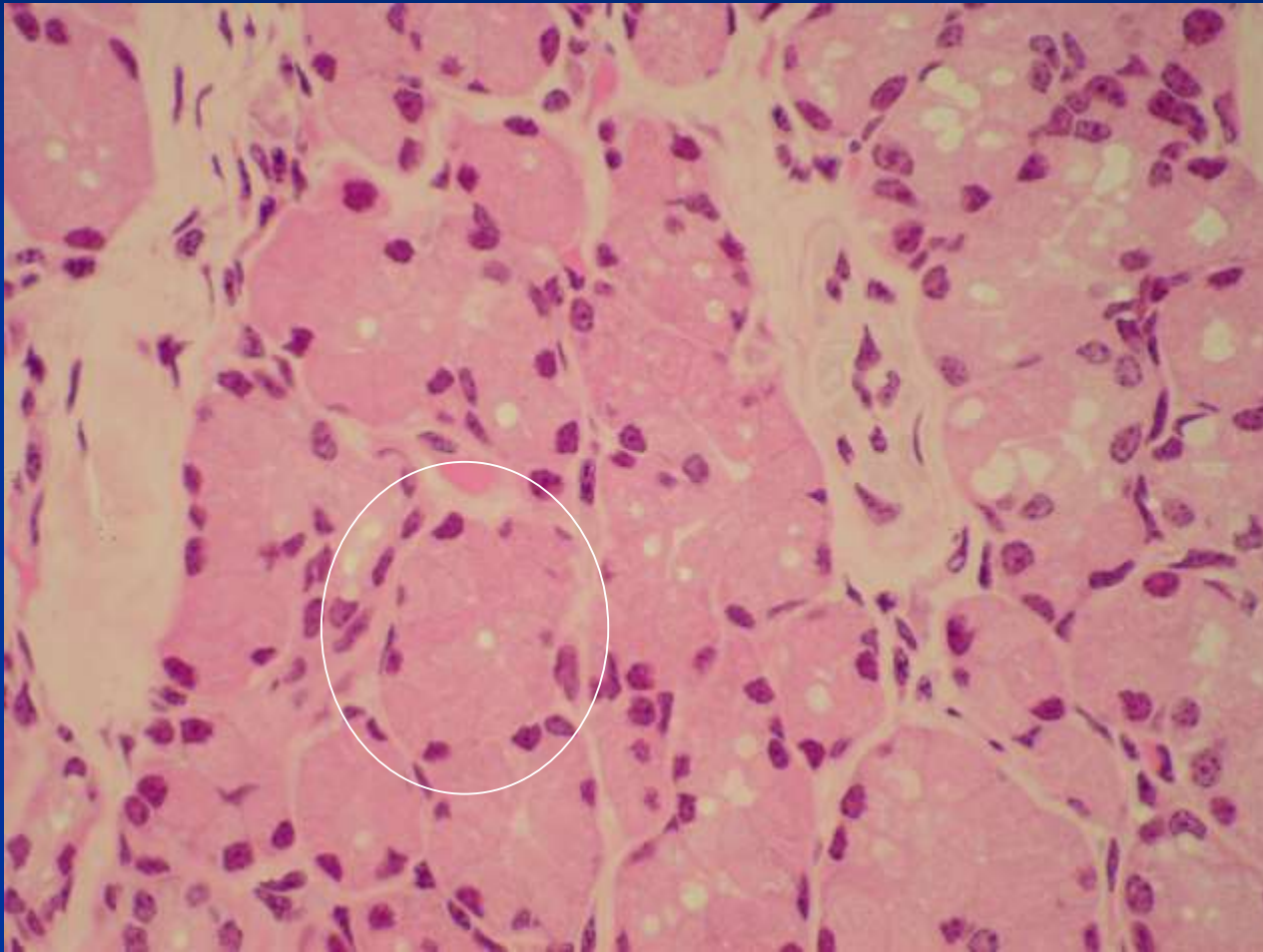


Taste bud





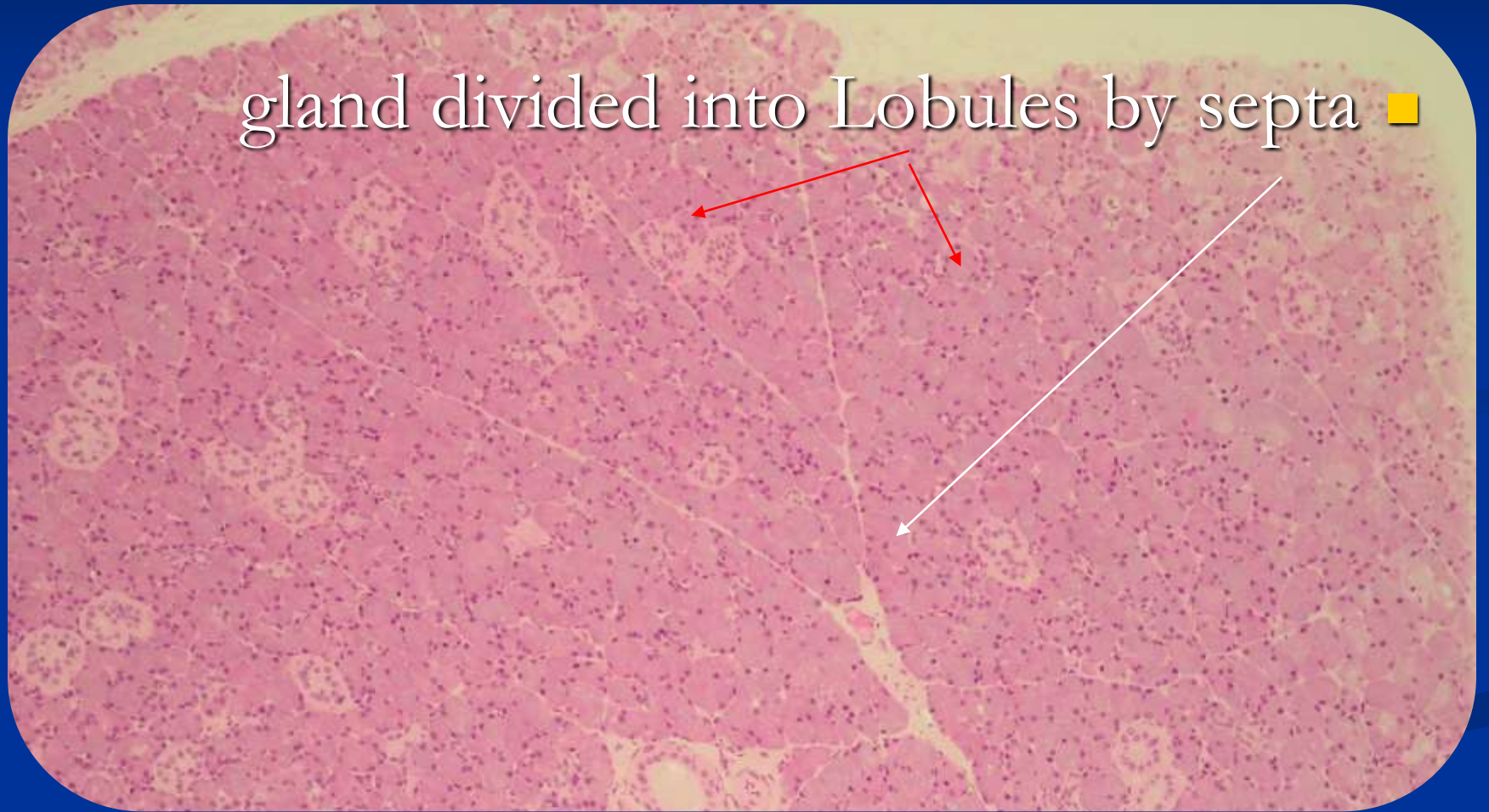
Serous acinus



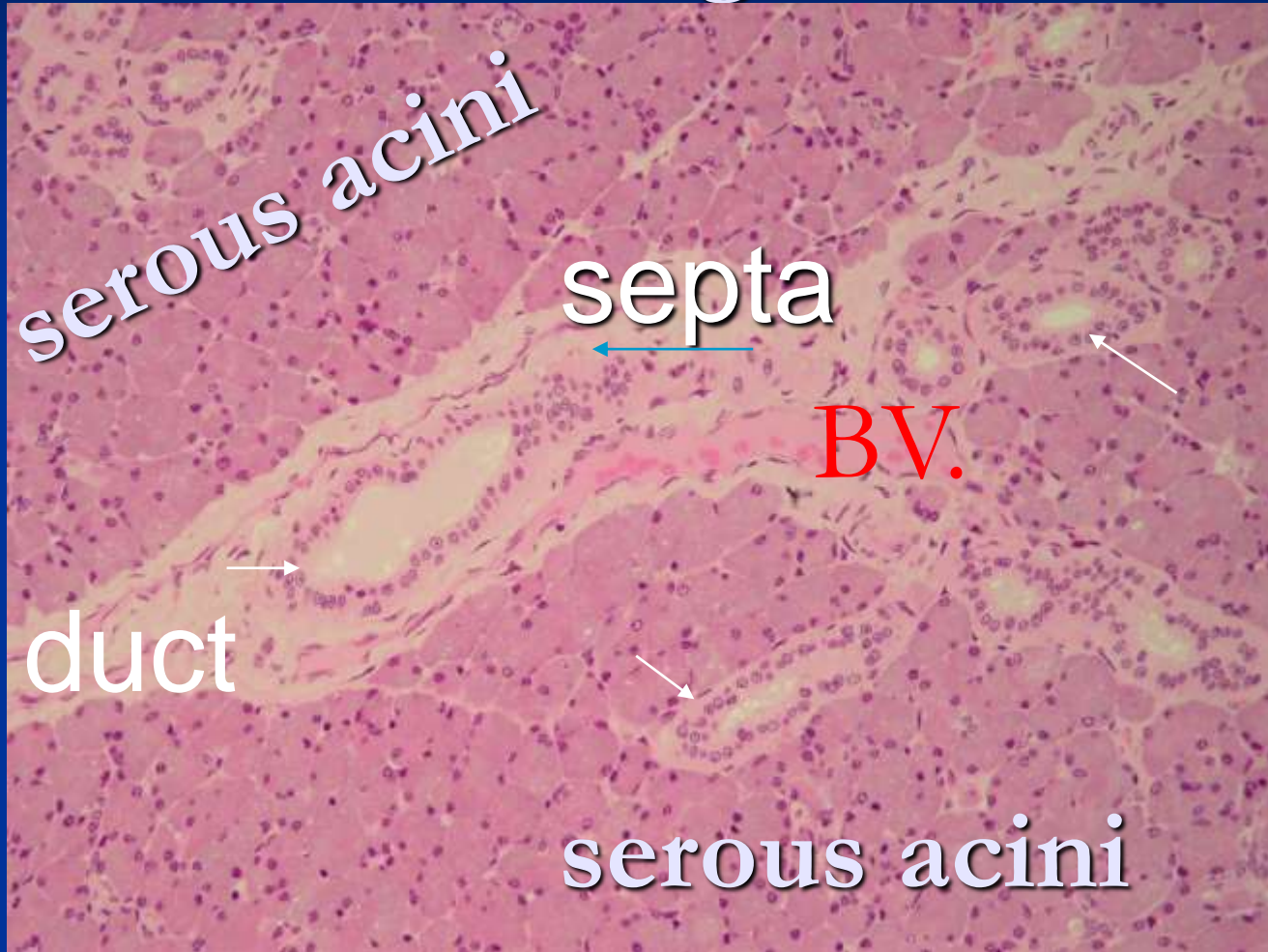
Salivary glands:
compound tubuloacinar gland
parenchyma & stroma

Parotid gland:

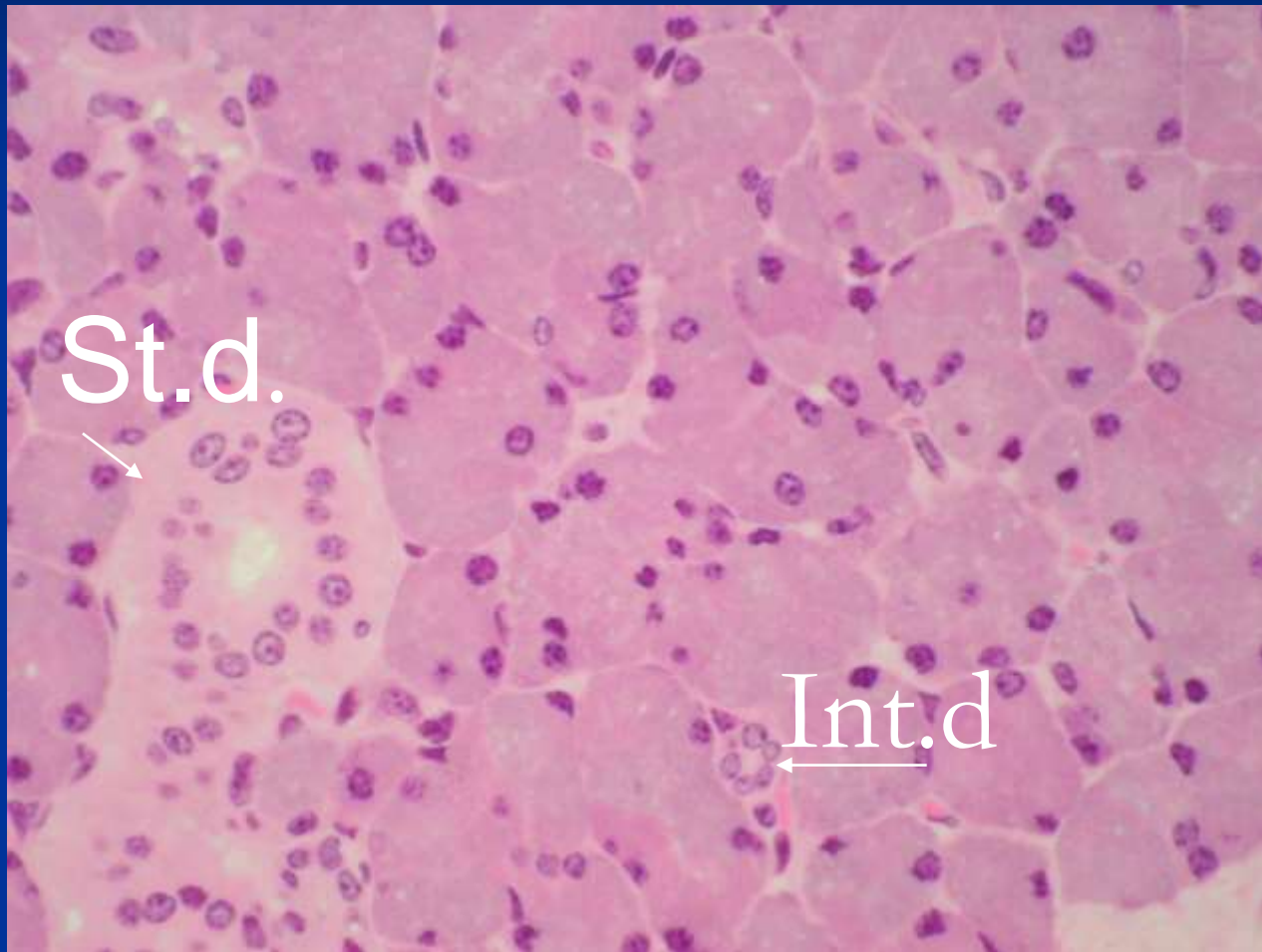
gland divided into Lobules by septa ■

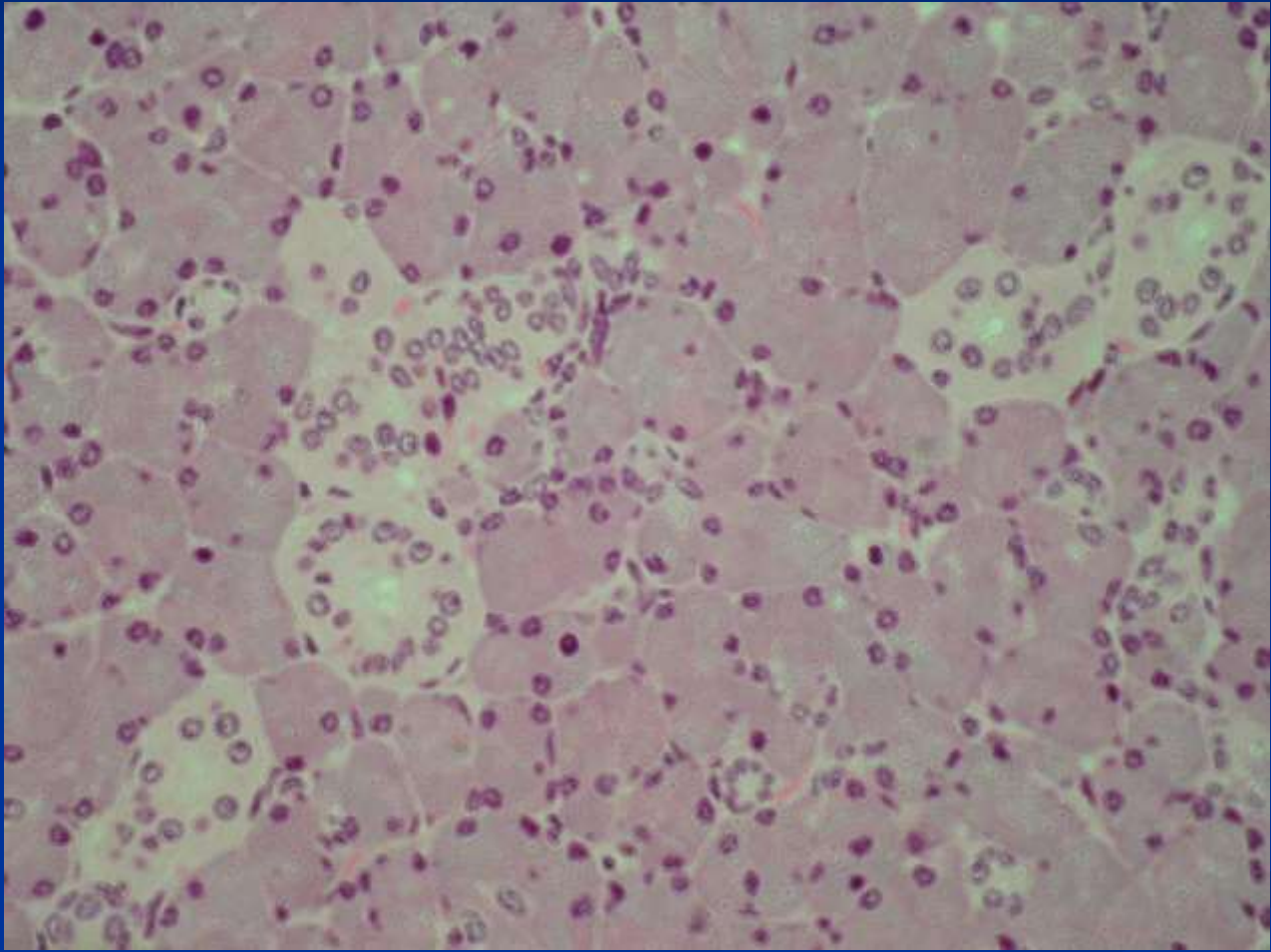


Parotid gland: serous gland



Striated & intercalated (Intralobular duct)







Serous
acinus

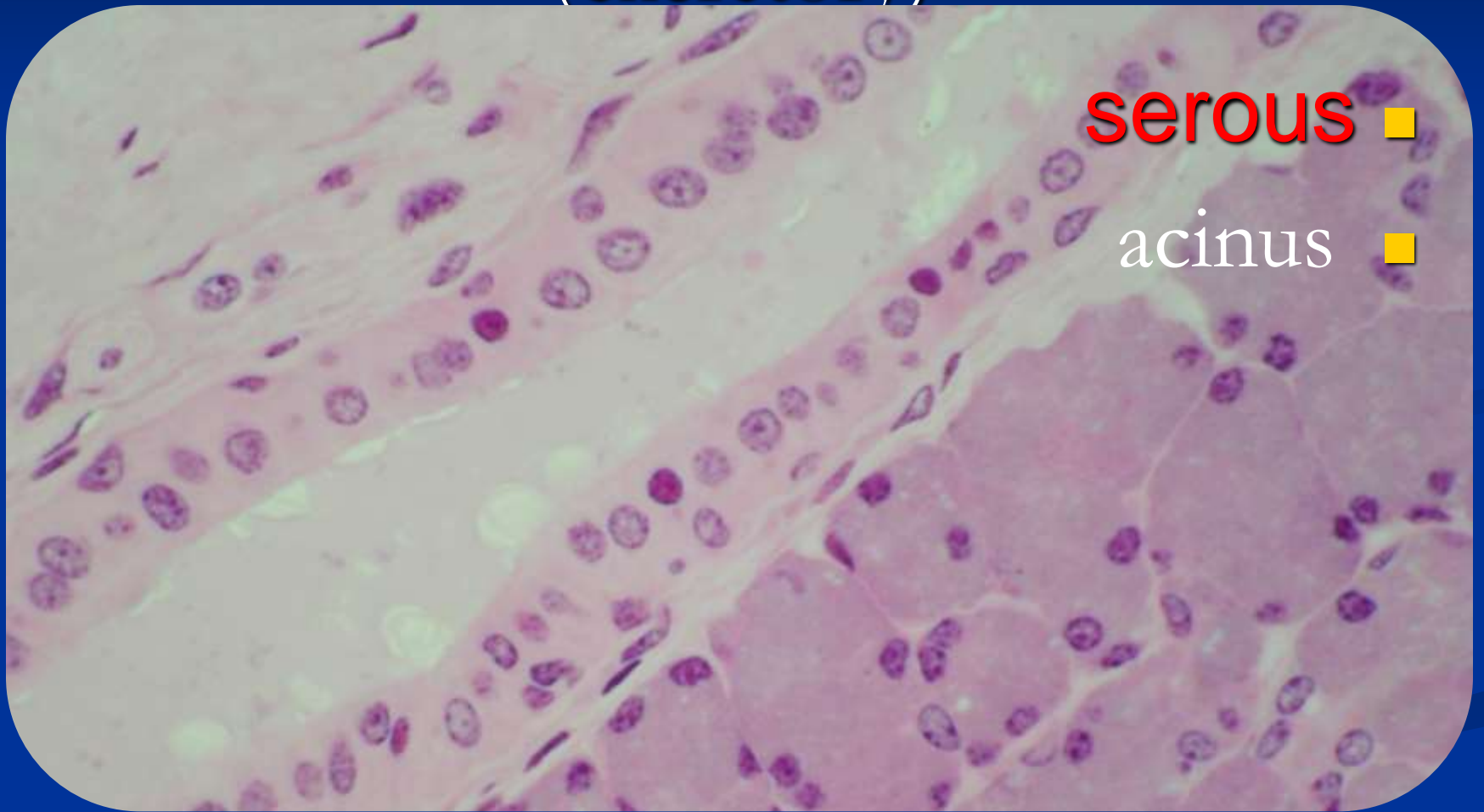
Interlobular duct ■

Interlobular
duct

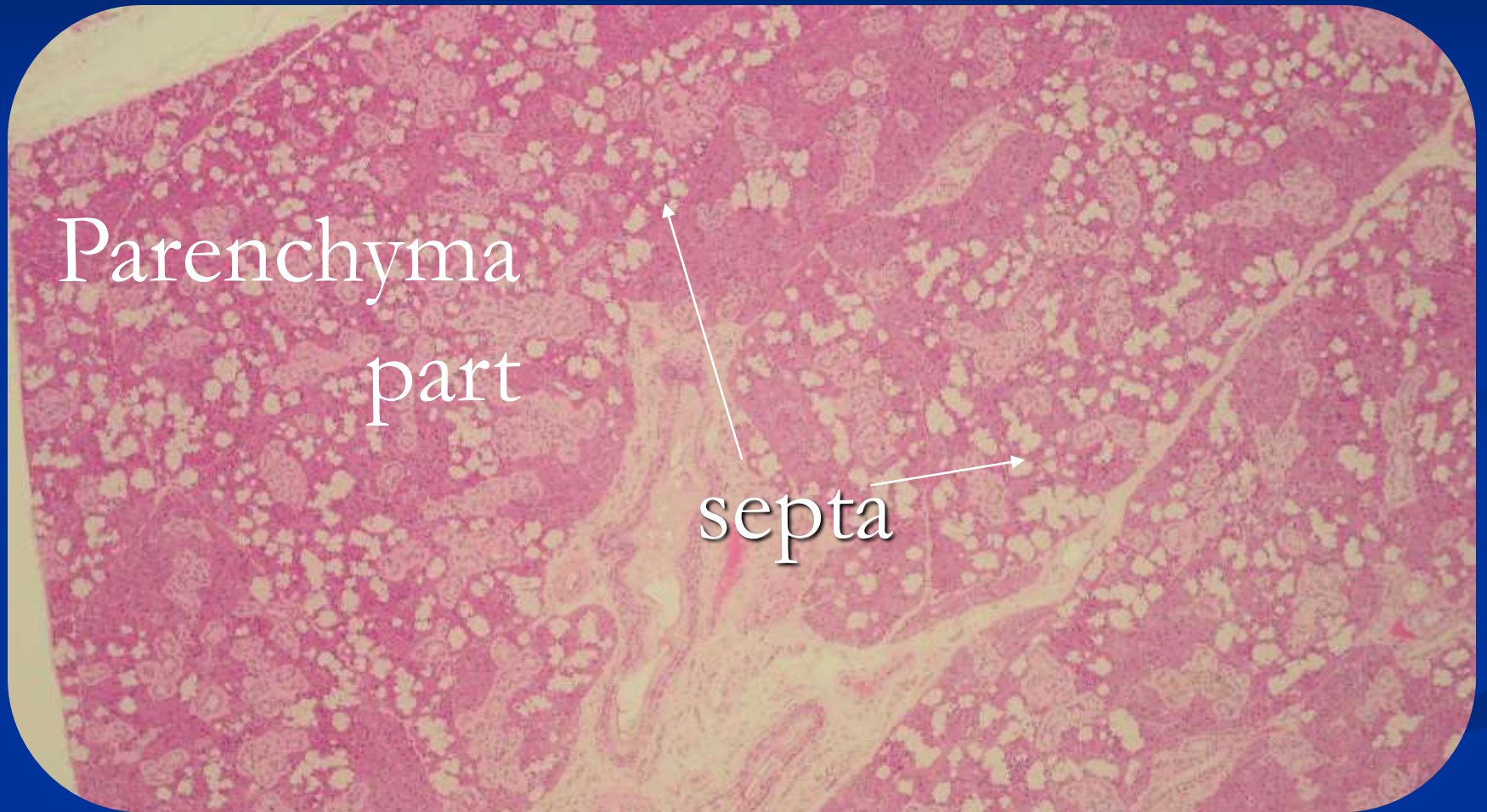
S.



Interlobular duct (excretory)



Submandibular gland

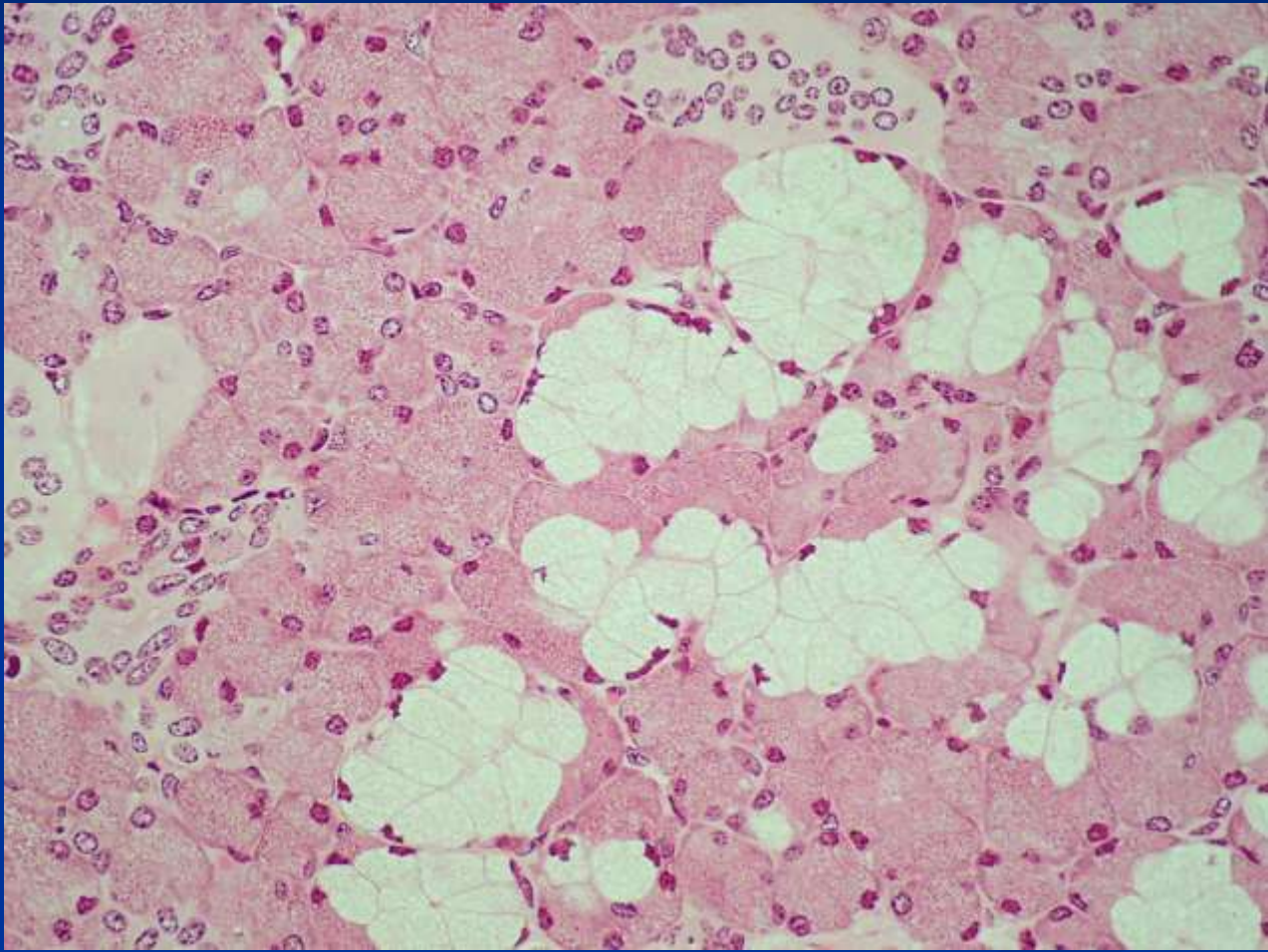


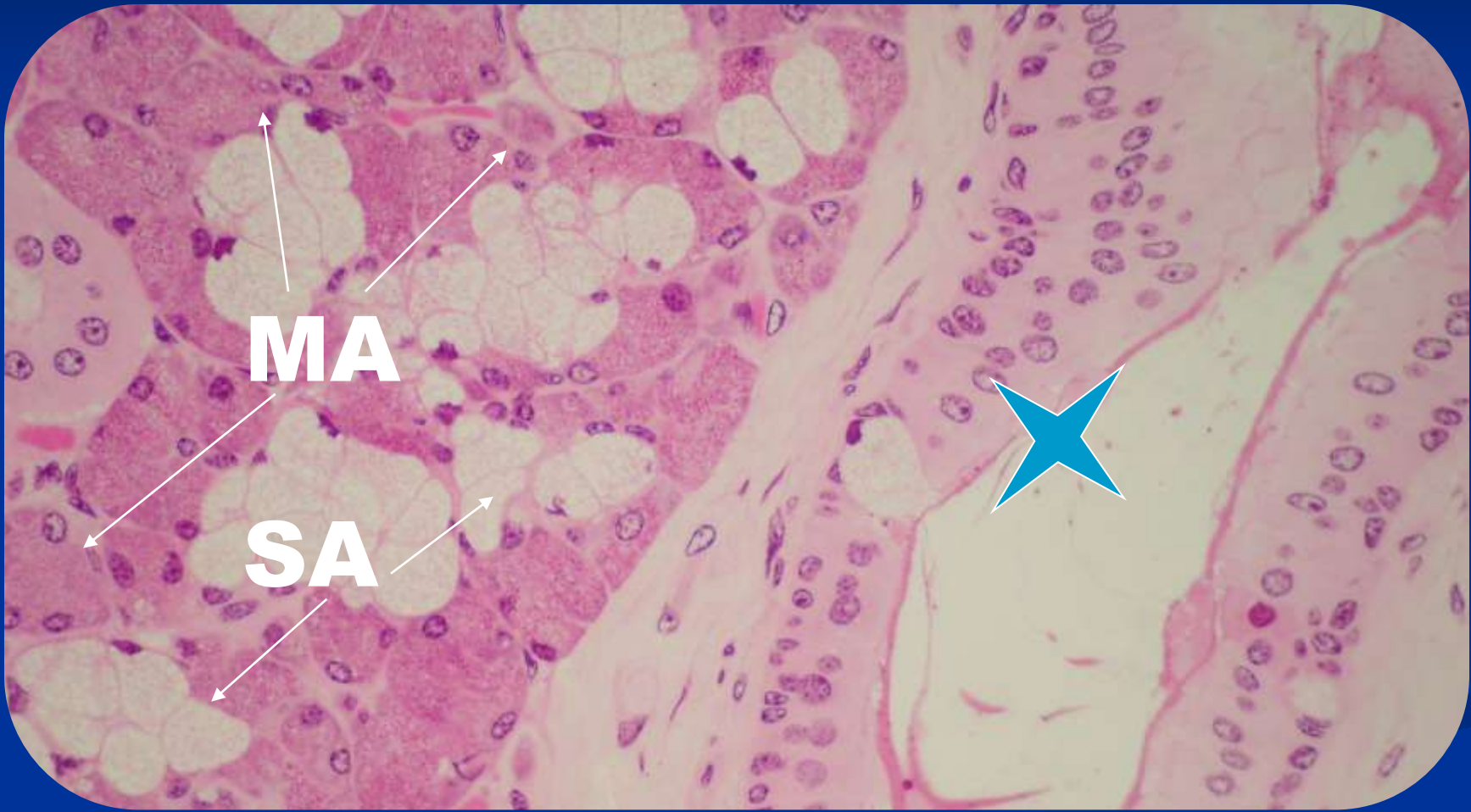
Seromucous gland(mixed)



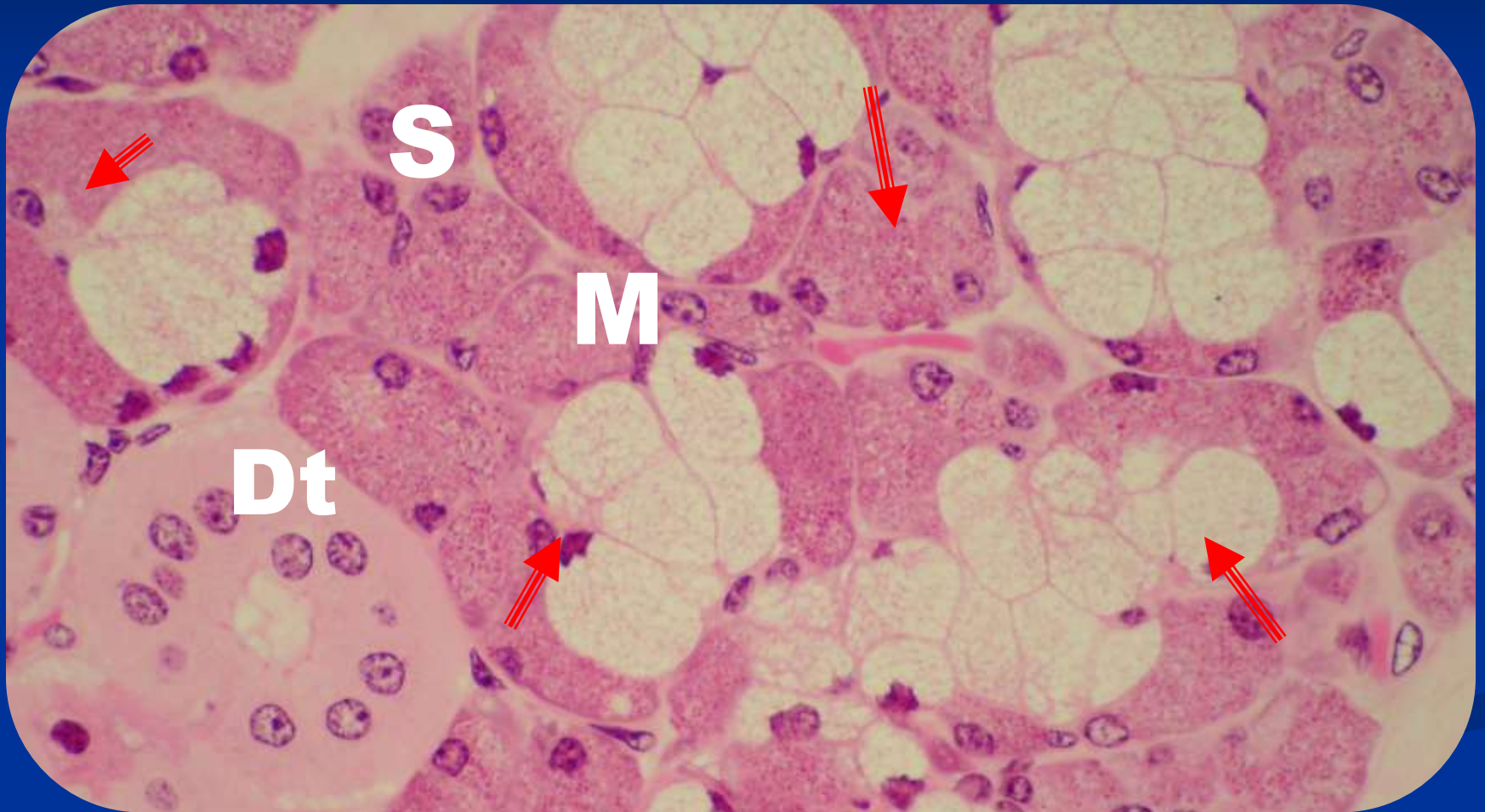
Submandibular gland



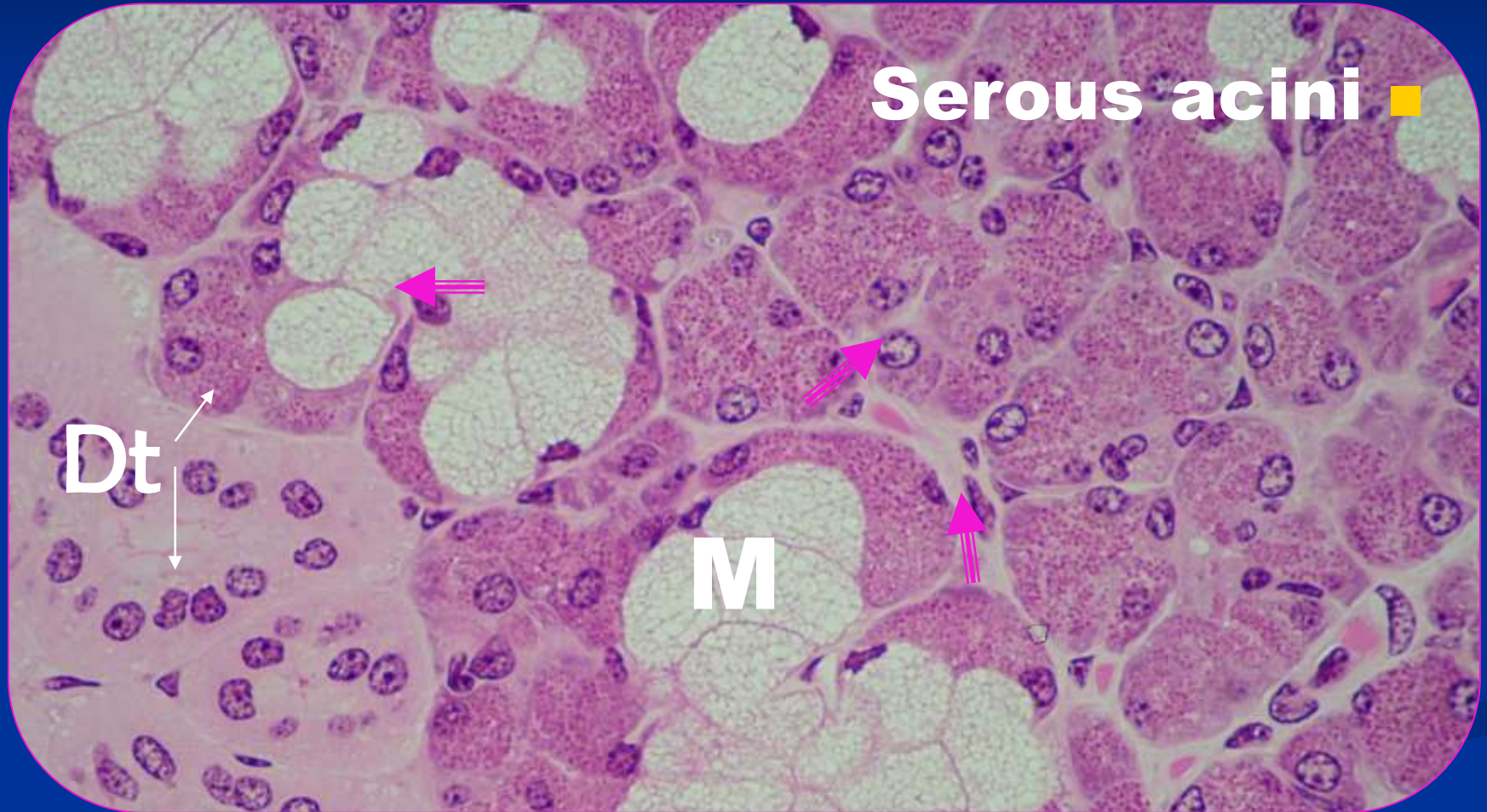




Serous demilune



Serous demilune



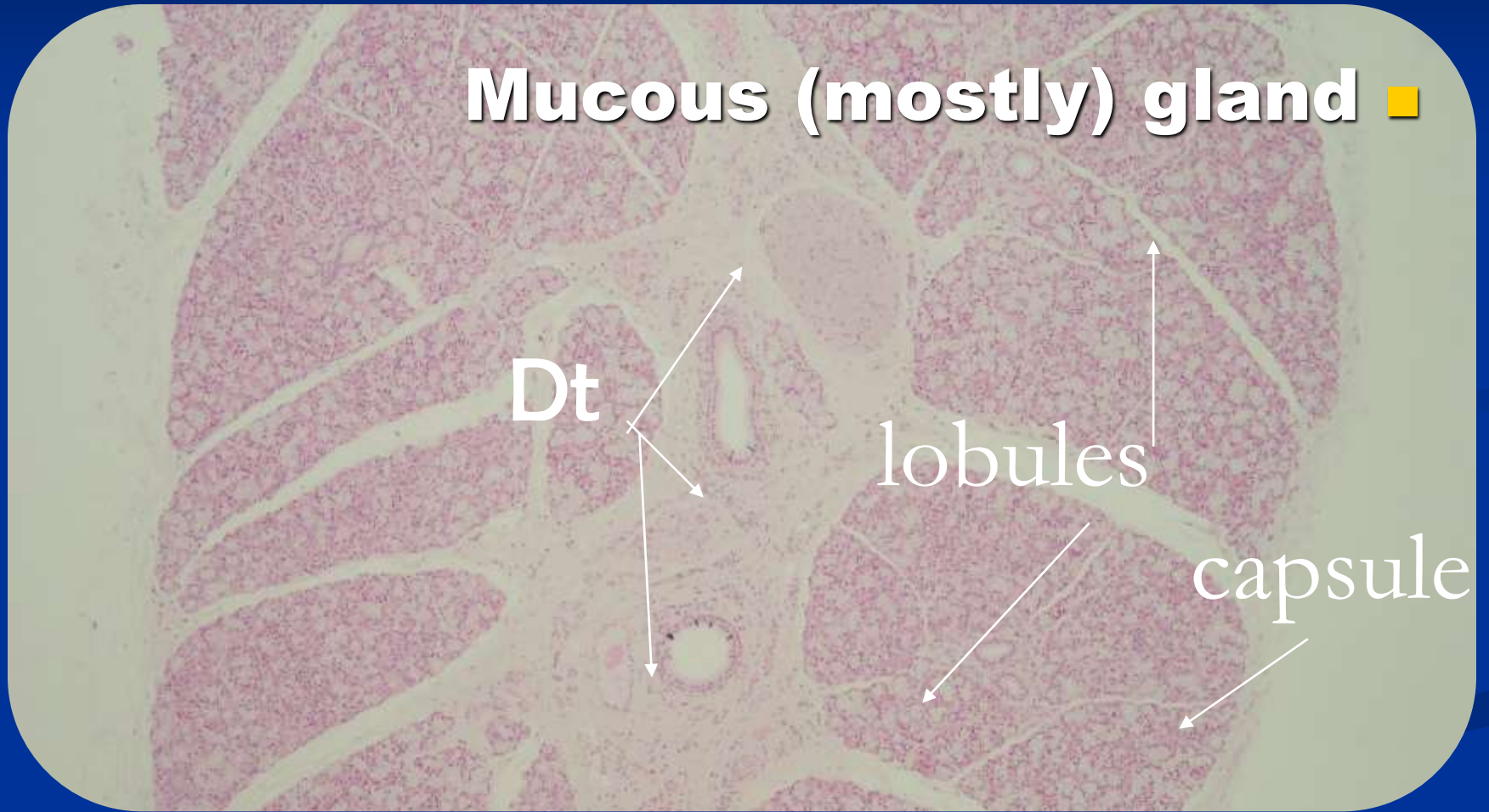
Sublingual gland

Mucous (mostly) gland ■

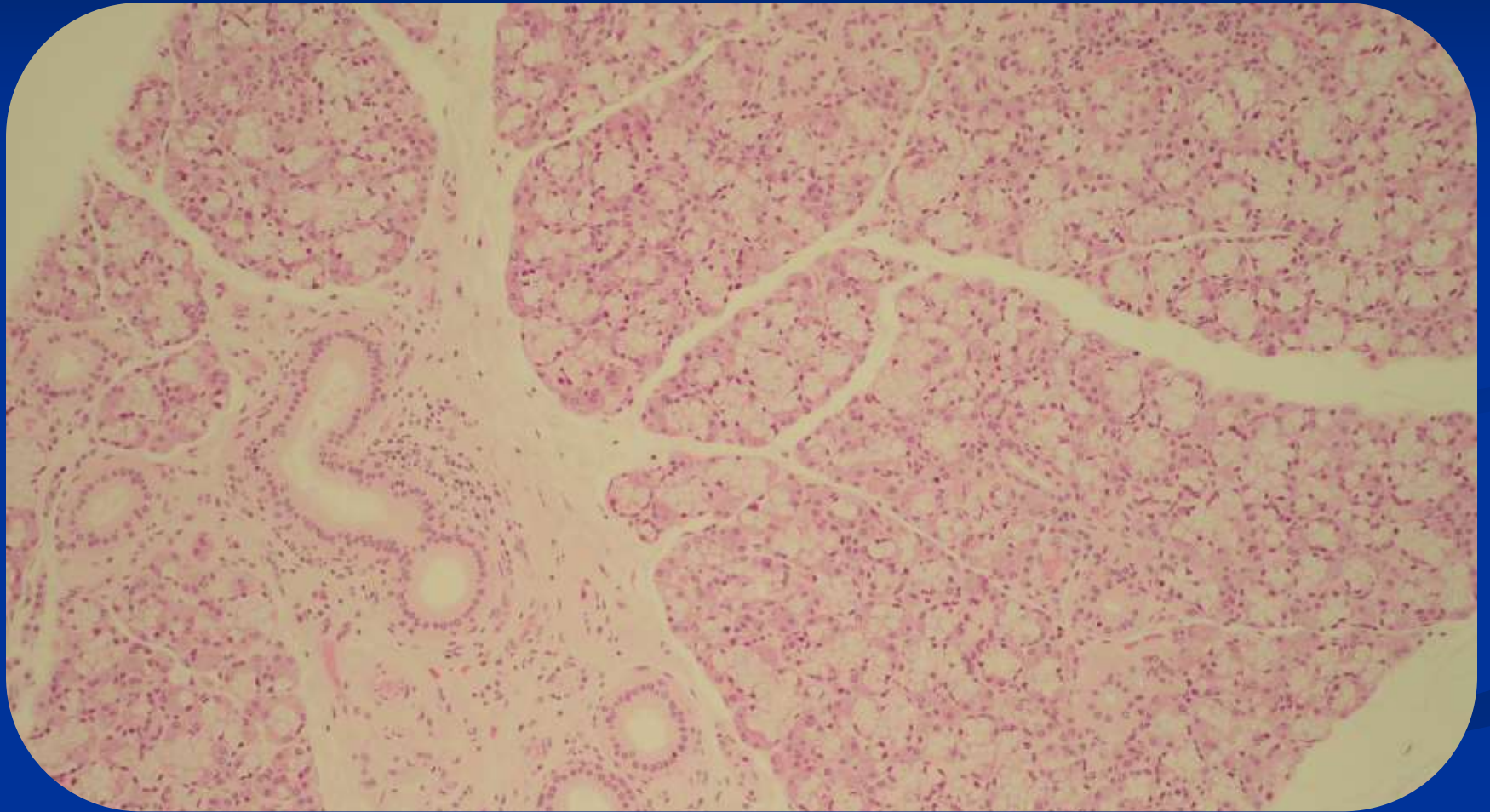
Dt

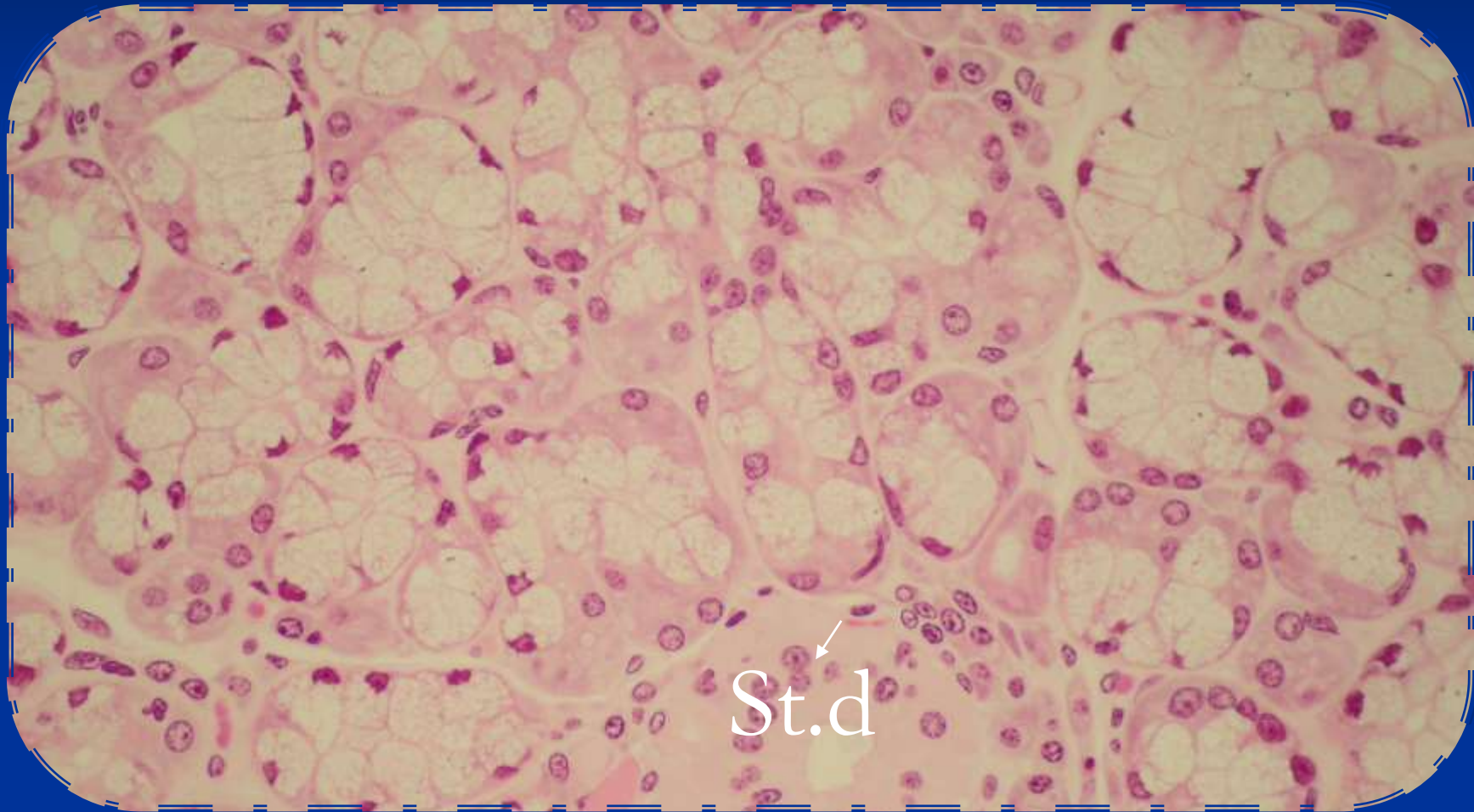
lobules

capsule



compound tubuloacinar gland





St.d

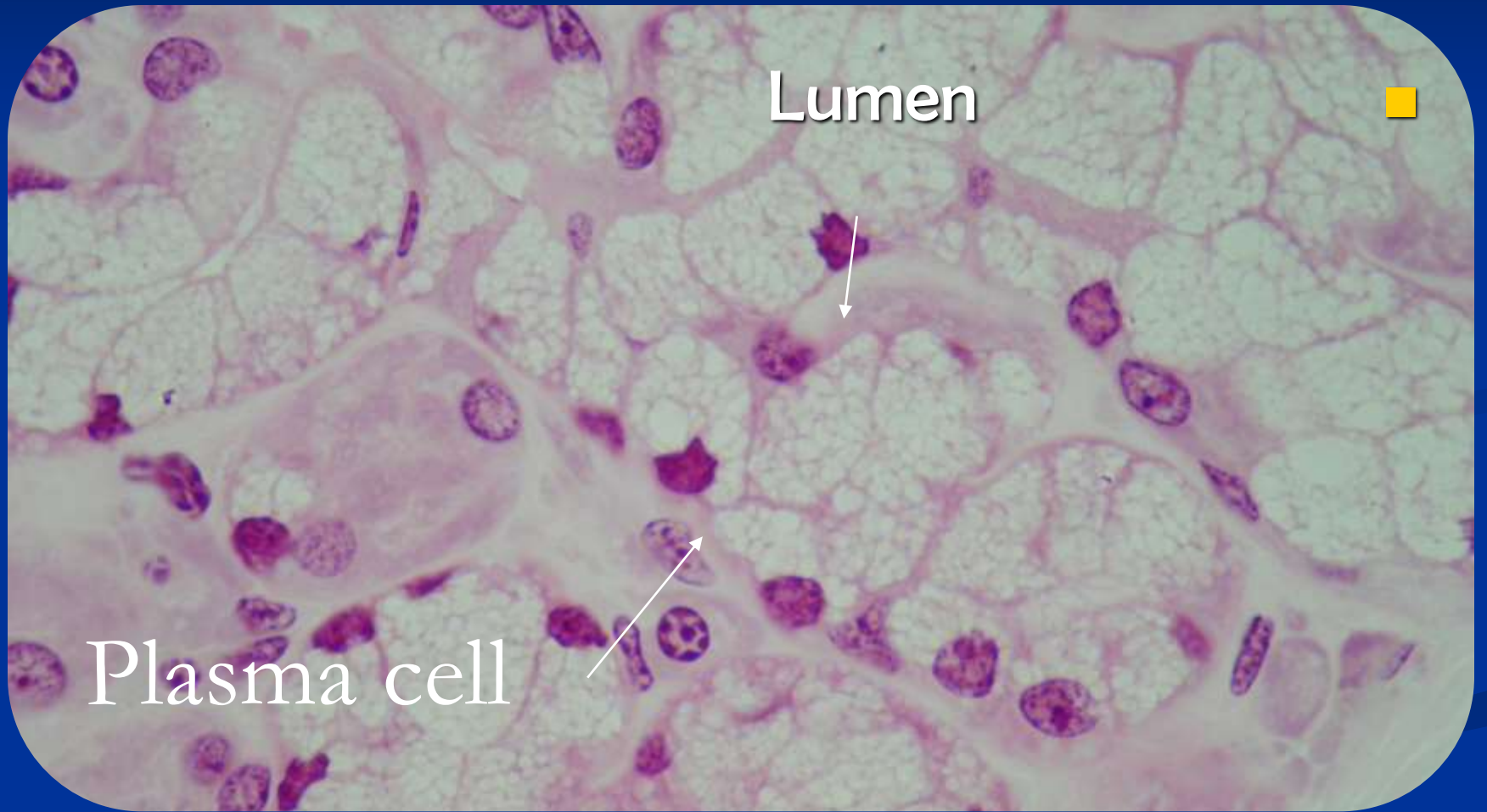
Serou demilune ■

MA



Sublingual gland





Lumen

Plasma cell



Strat. cubo.epth. duct

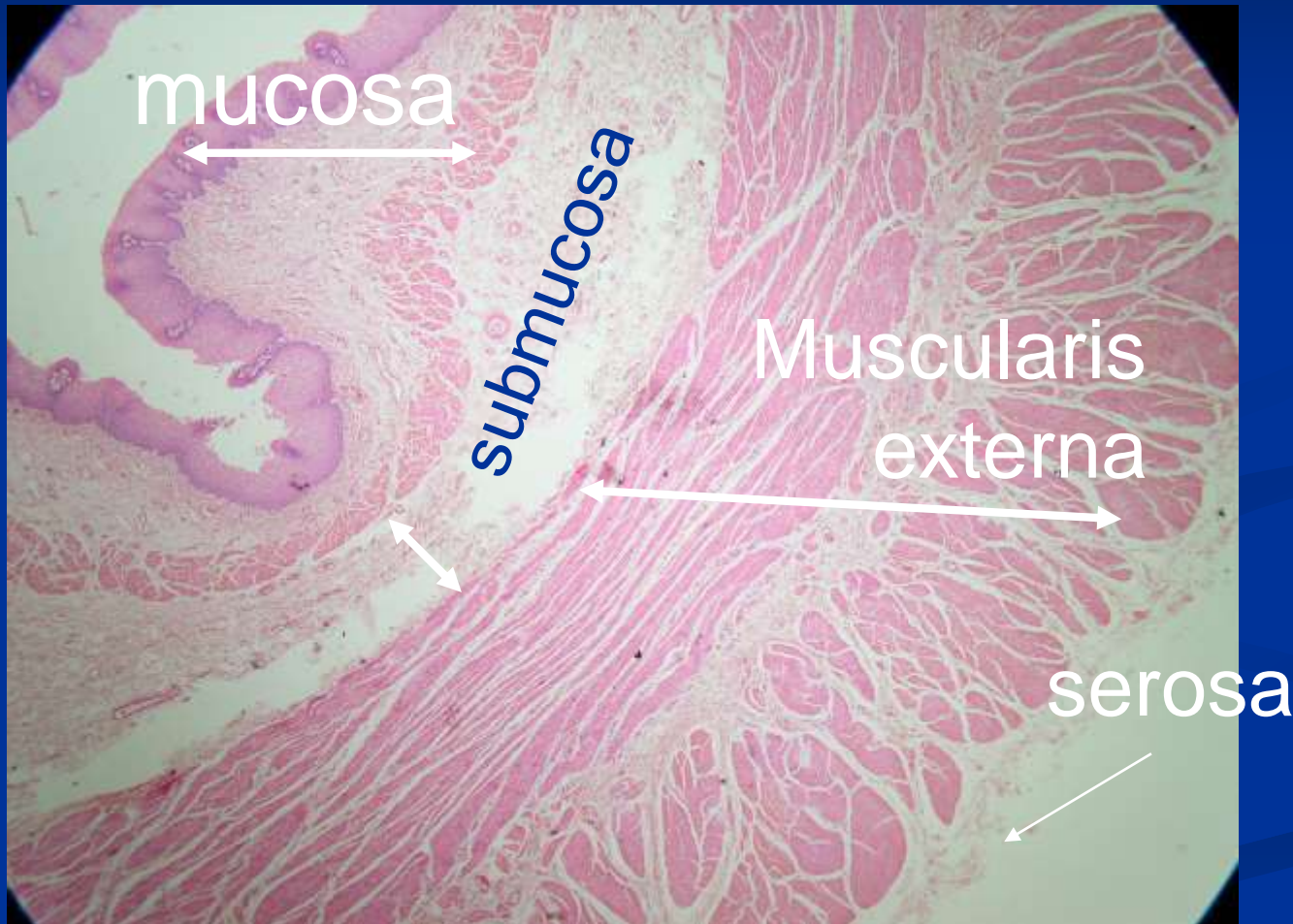


Esophagus

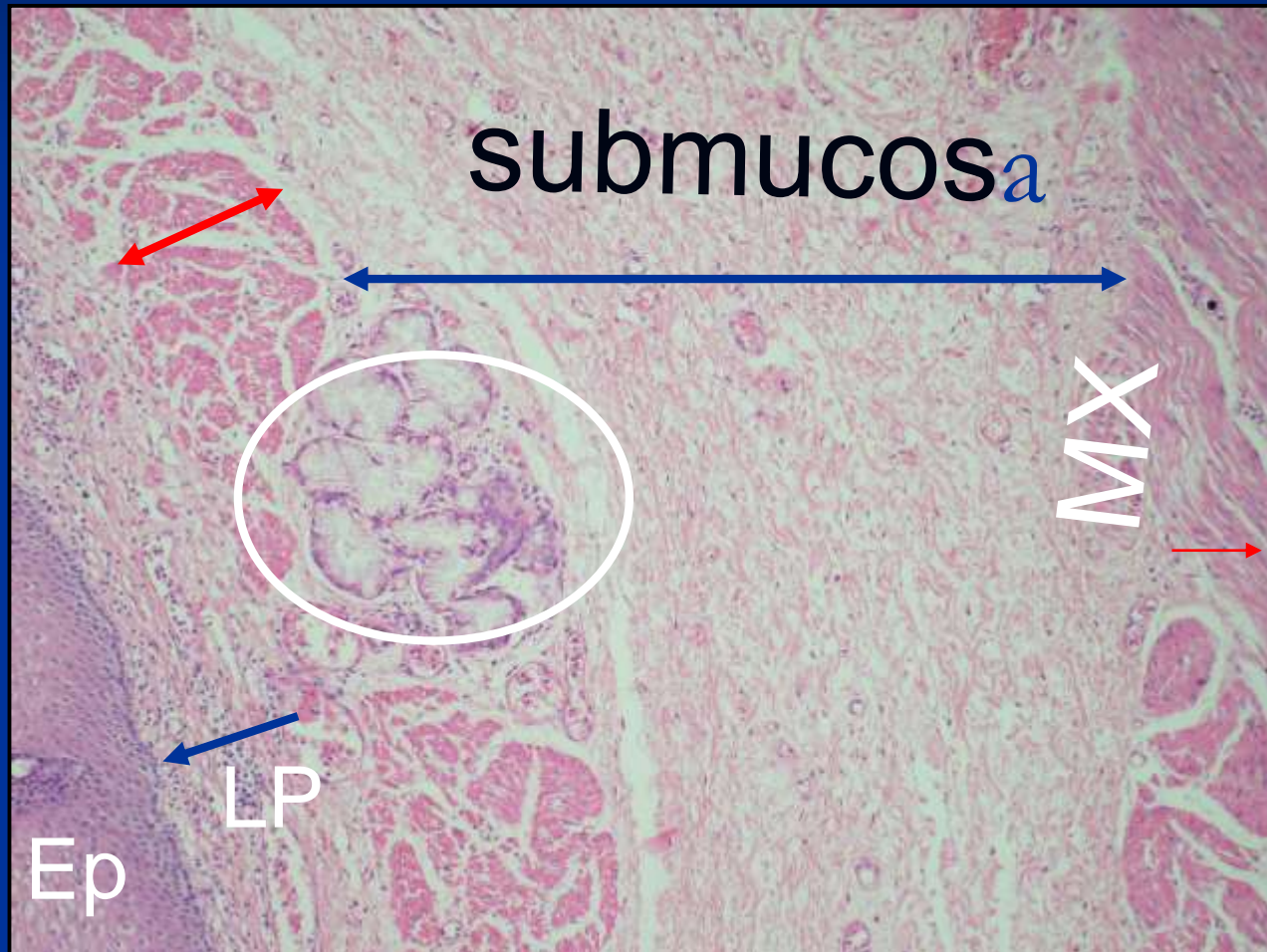
Esophagus (star lumen)



Esophagus(lower third)

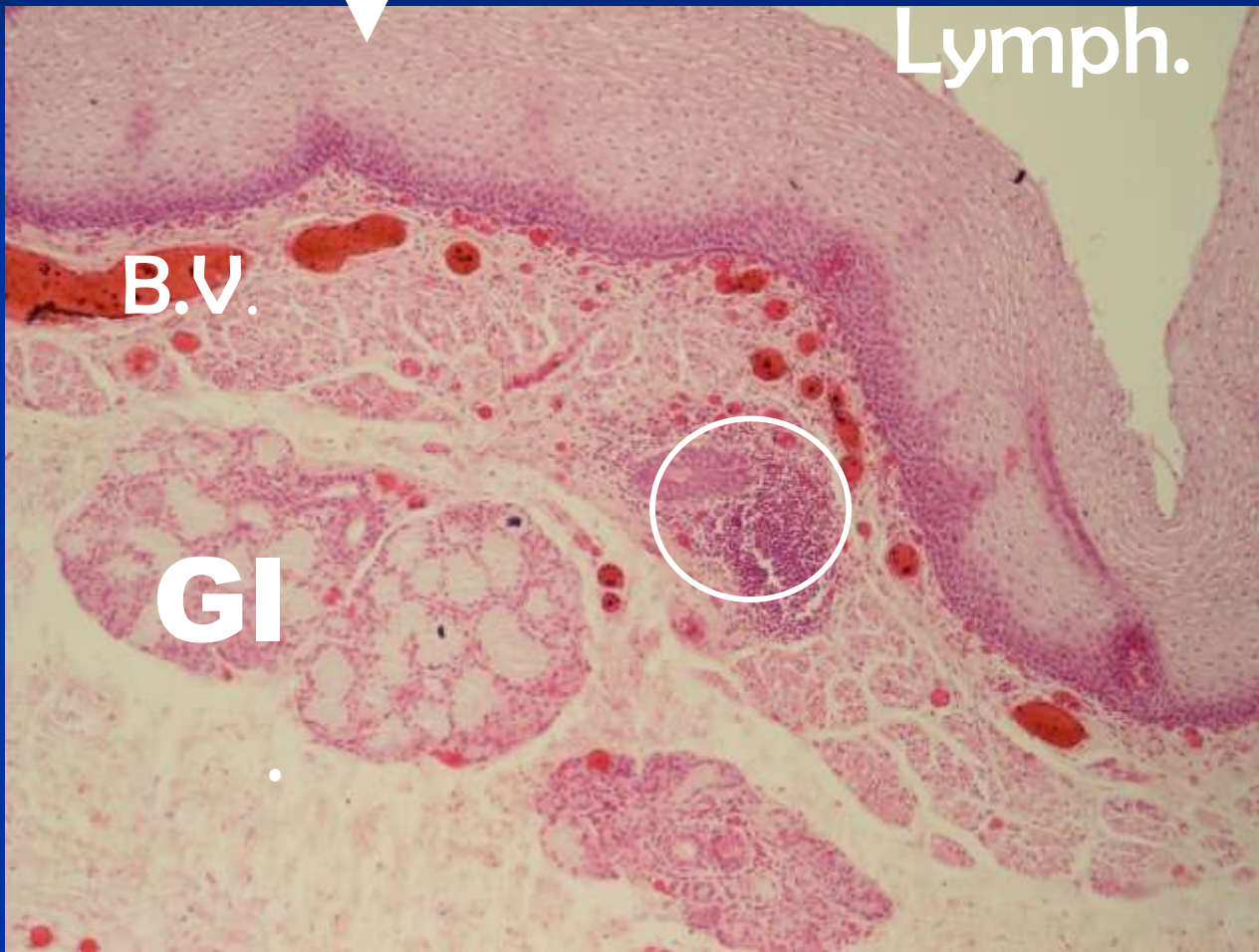


Eosophageal proper gland **muscularis mucosa**

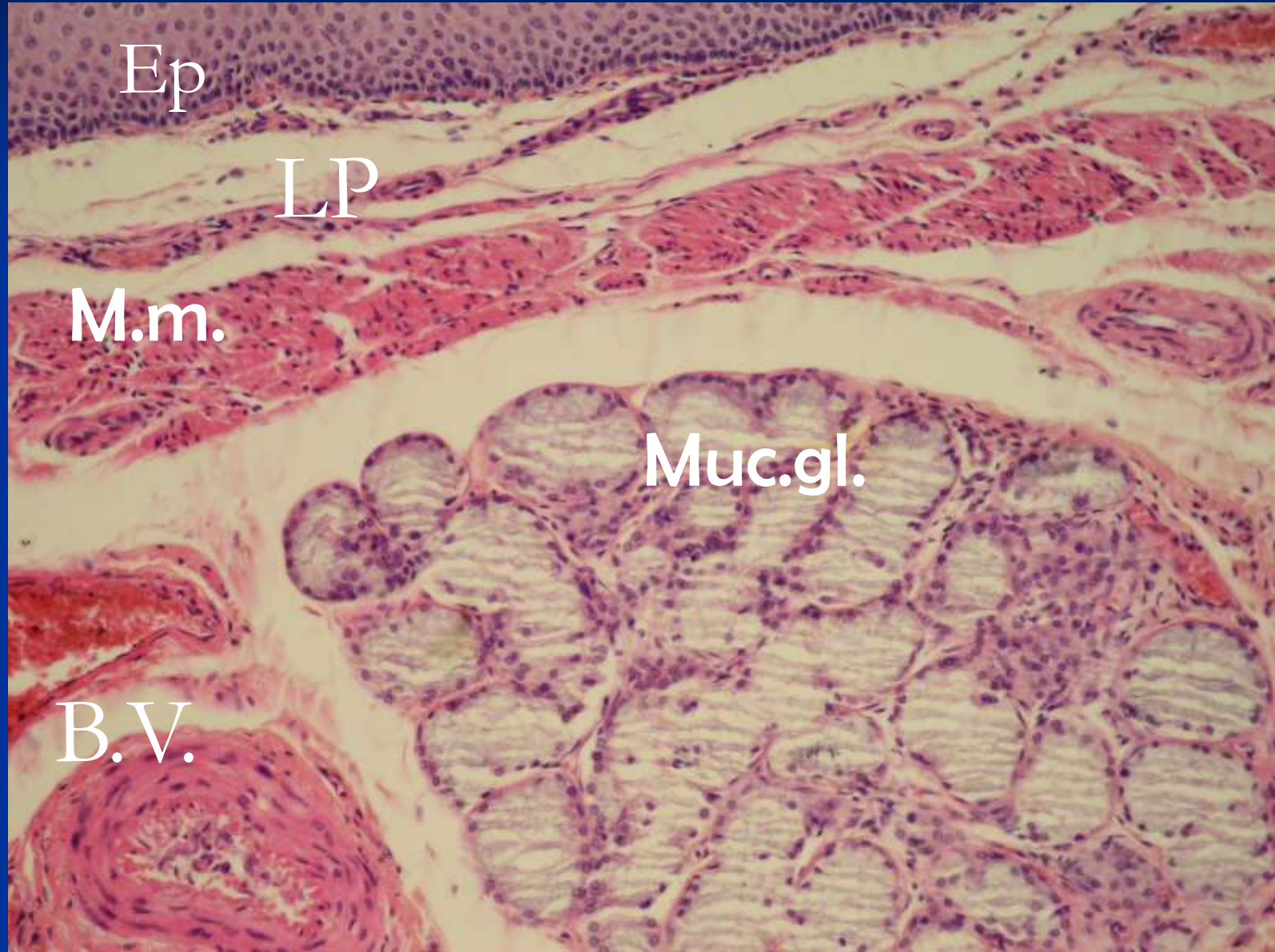




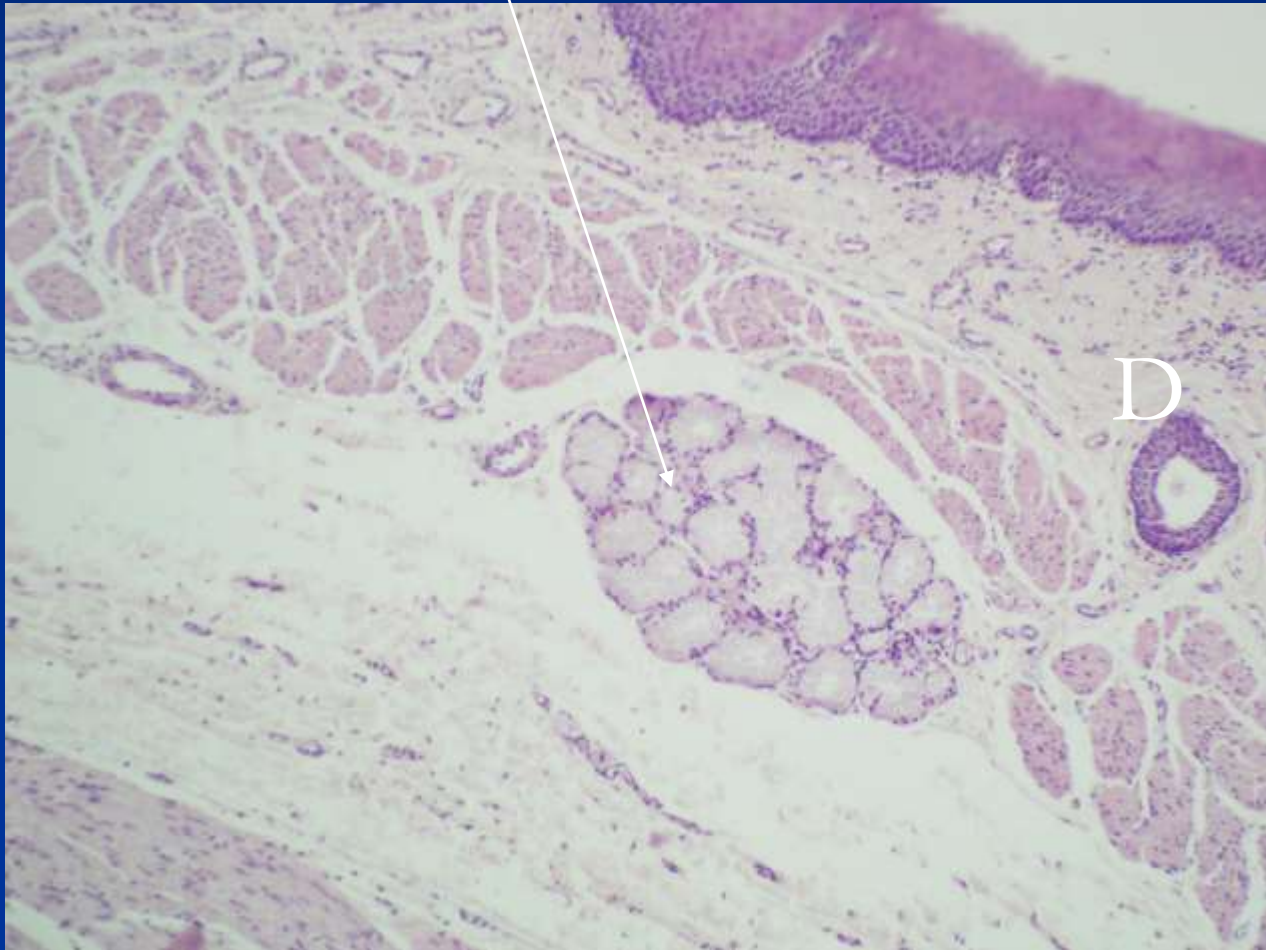
Str. Squa.epi.non ker.

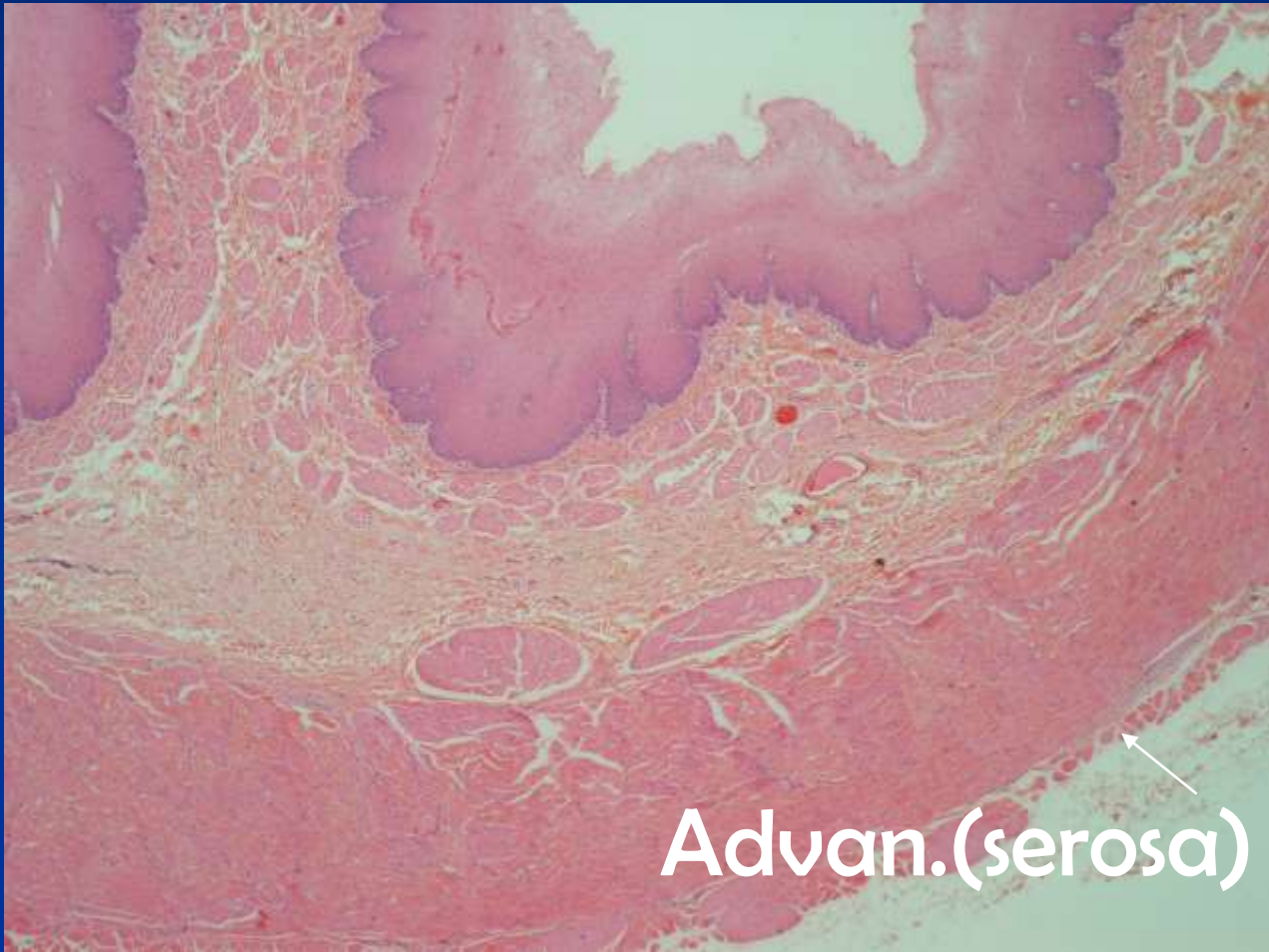


Eosophageal proper gland(in submucosa)



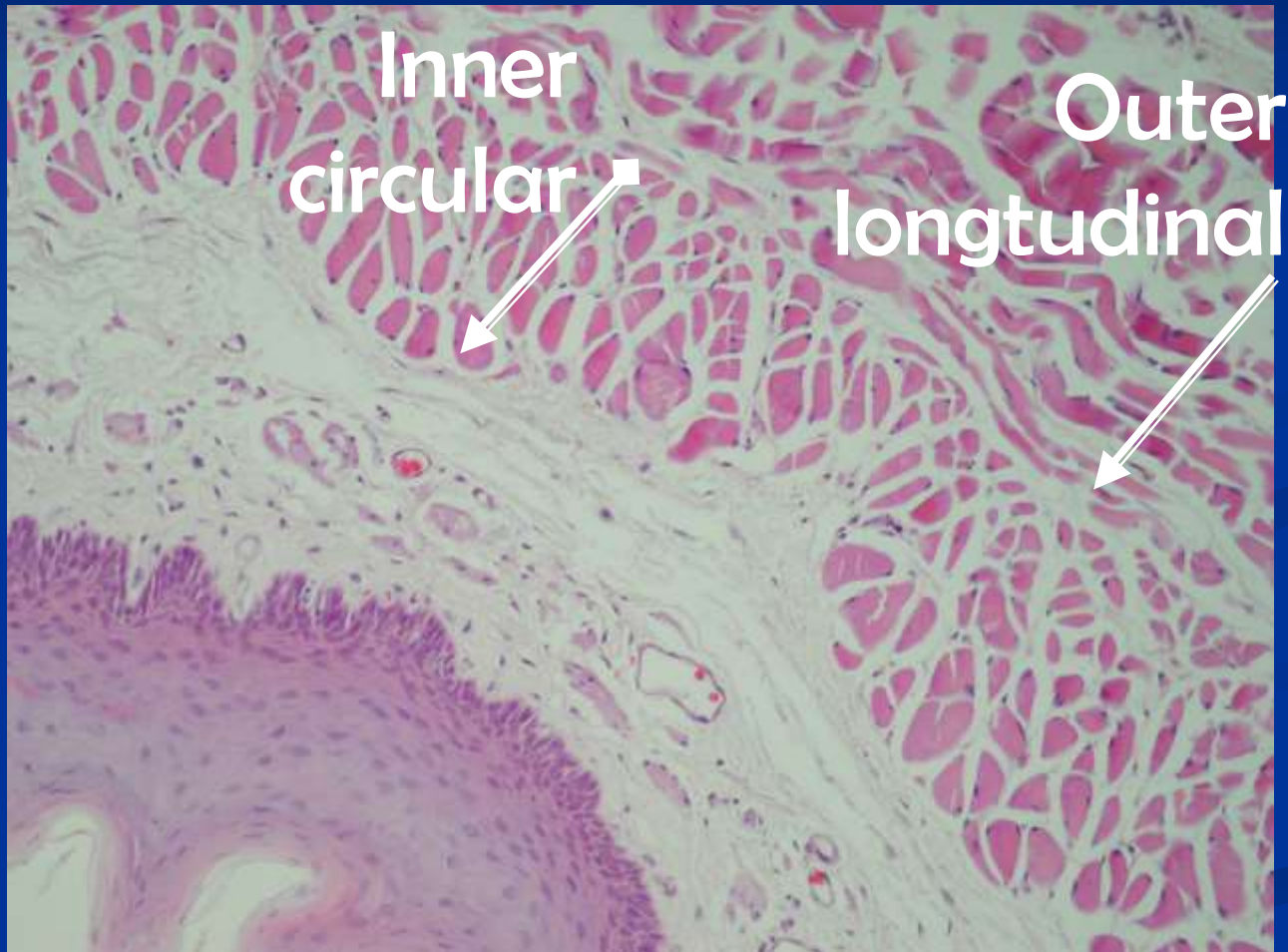
Esophageal gland proper (in submucosa)



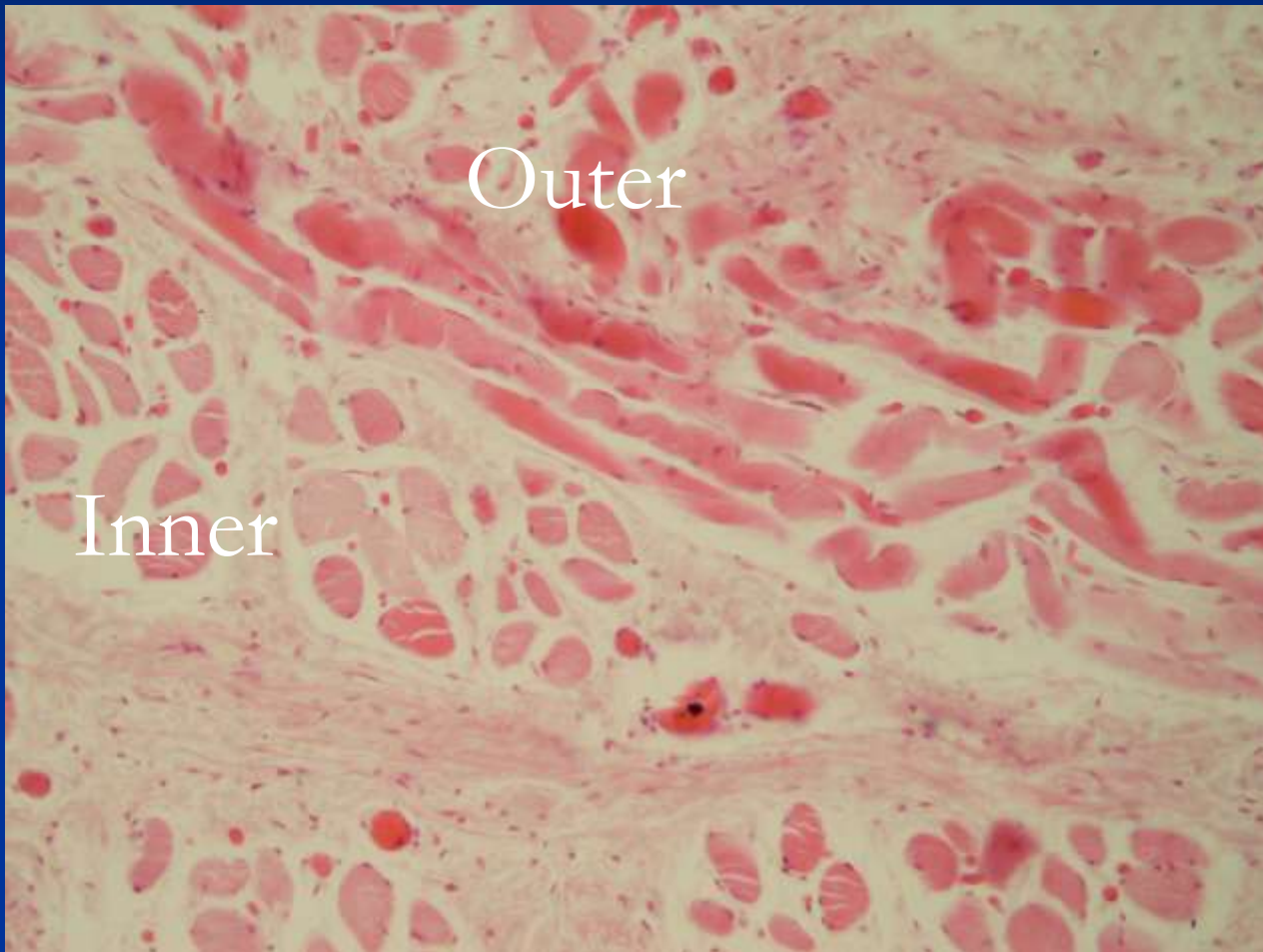


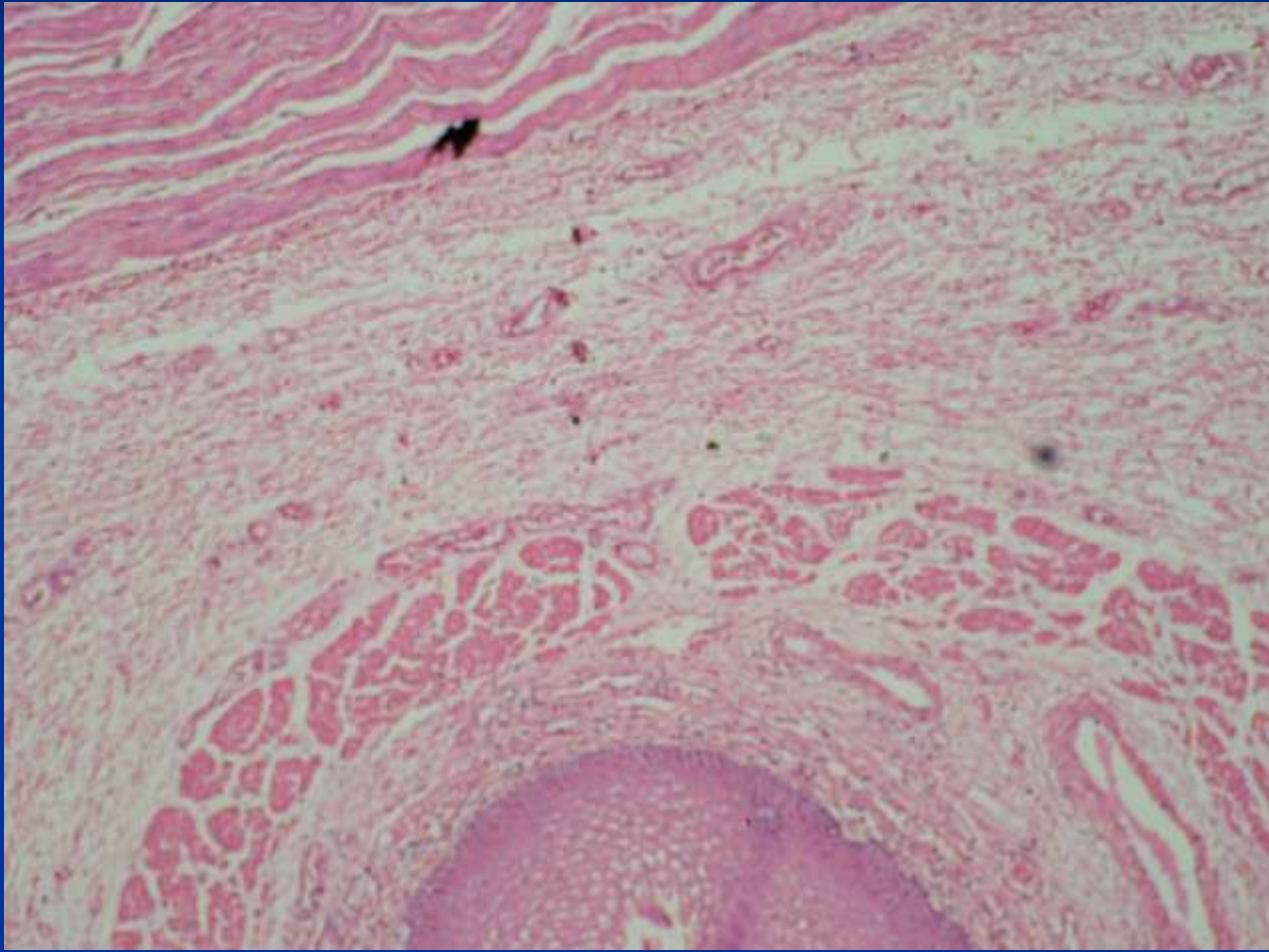
Advan.(serosa)

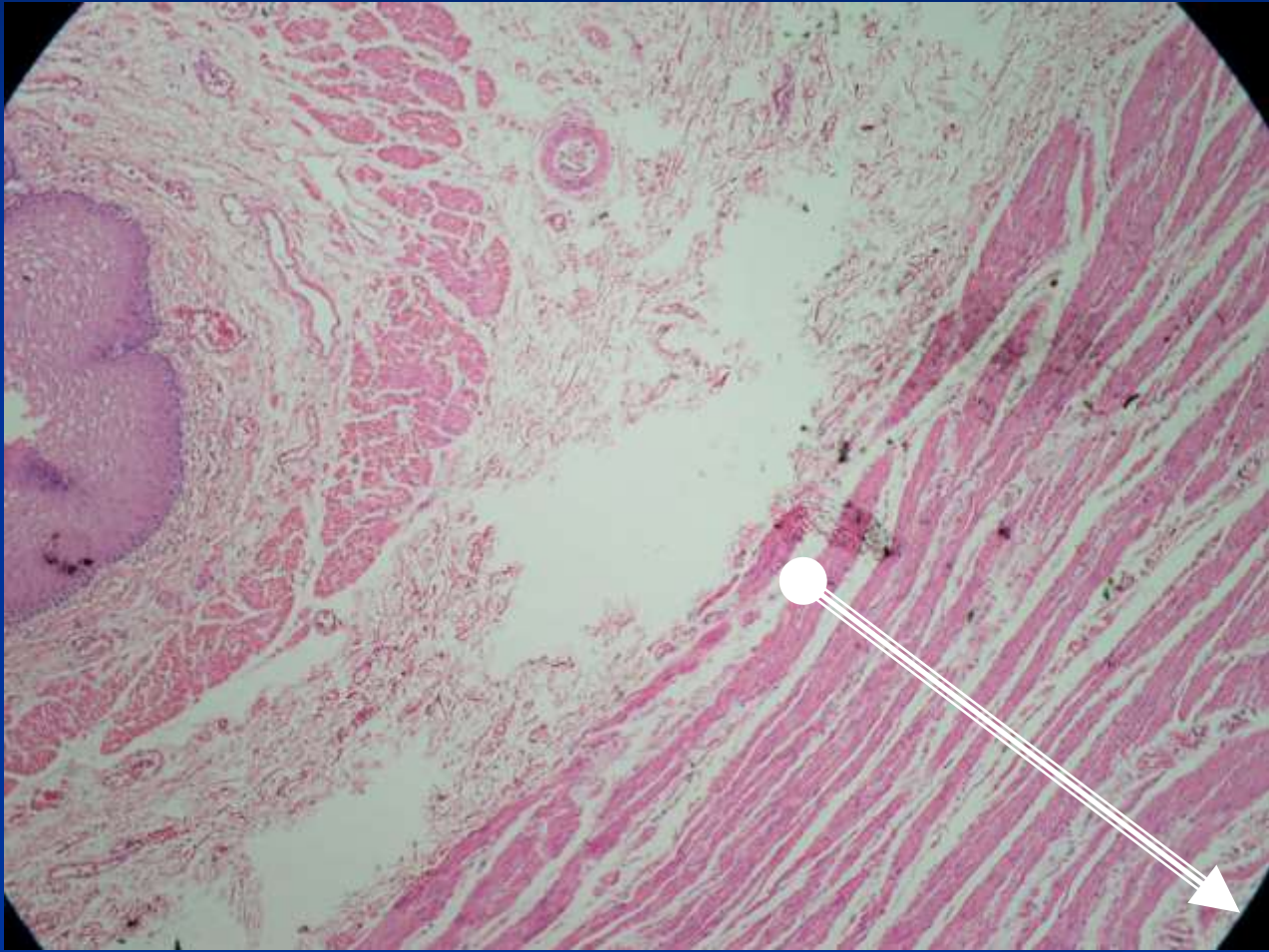
Esophagus(upper third)skeletal muscle mus. ext.



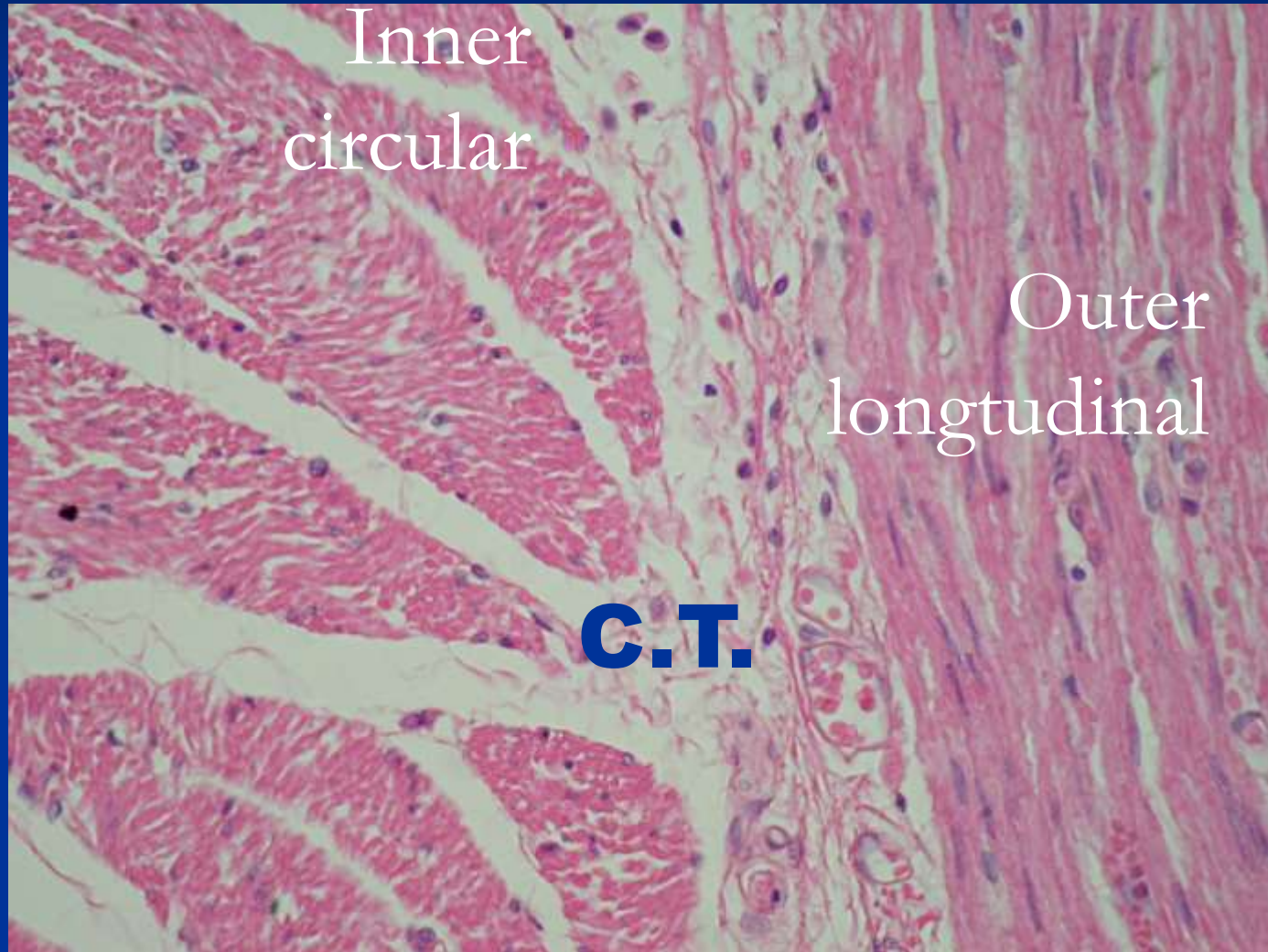
Skeletal mus.



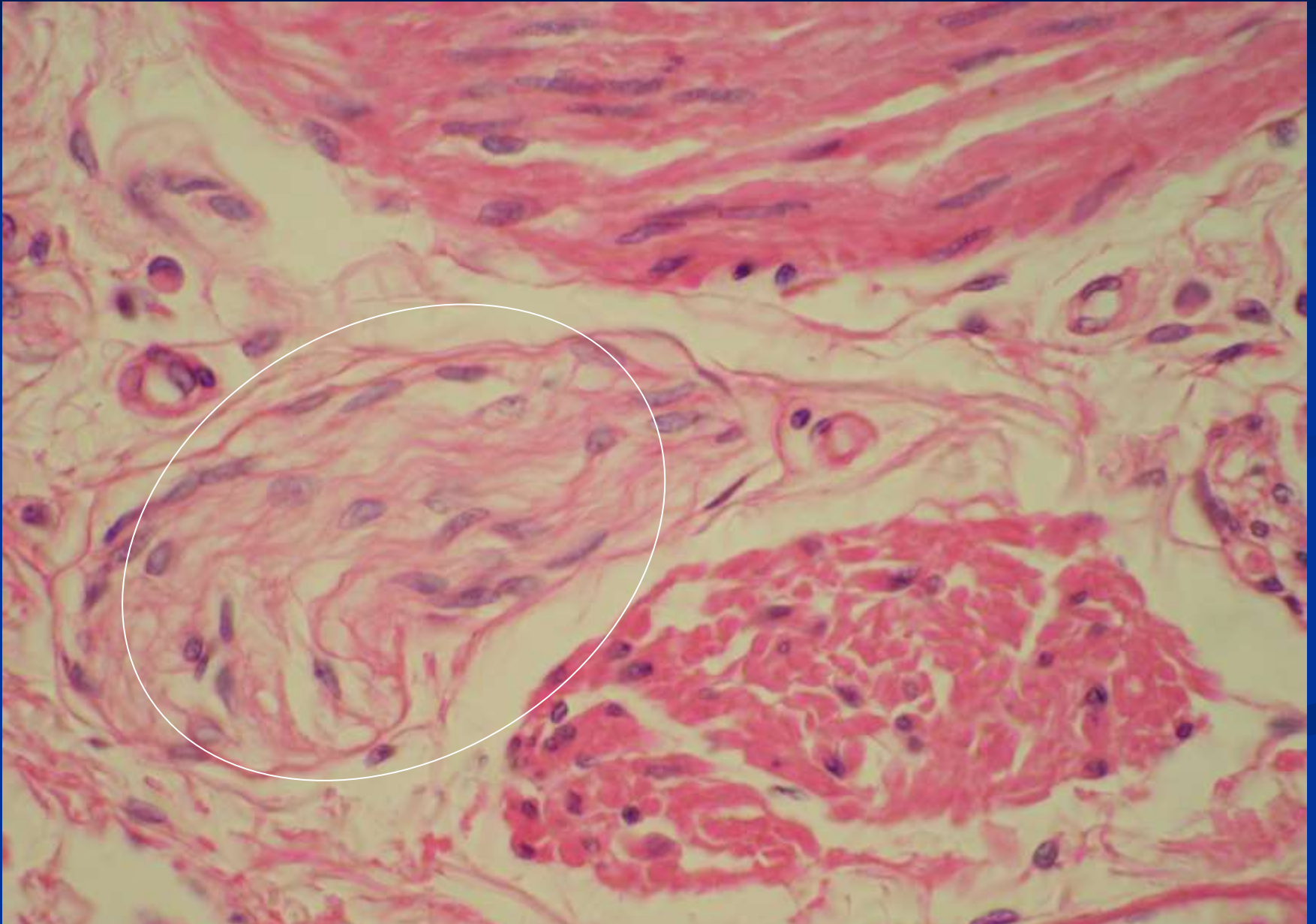




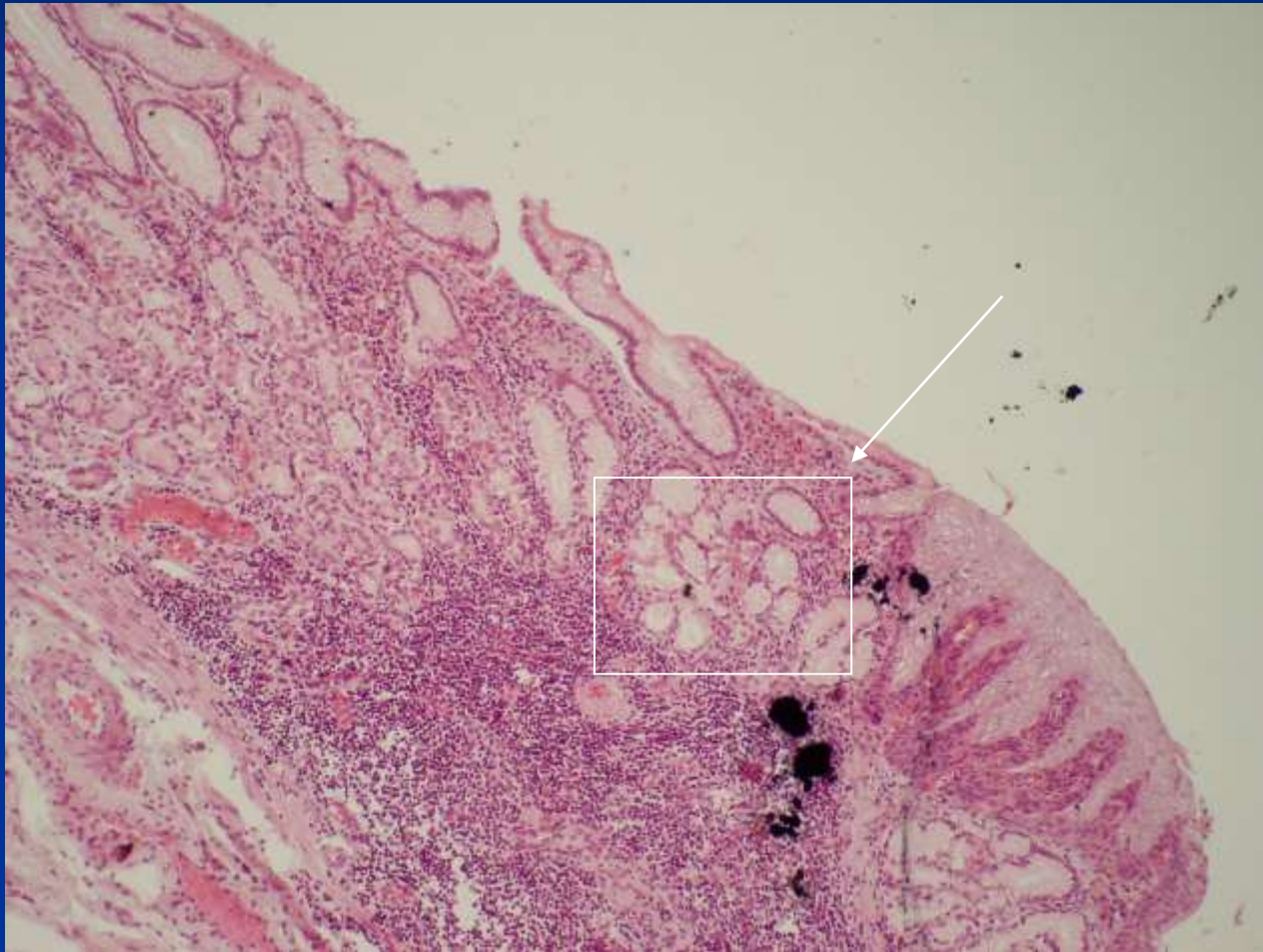
Lower third(smooth muscle)



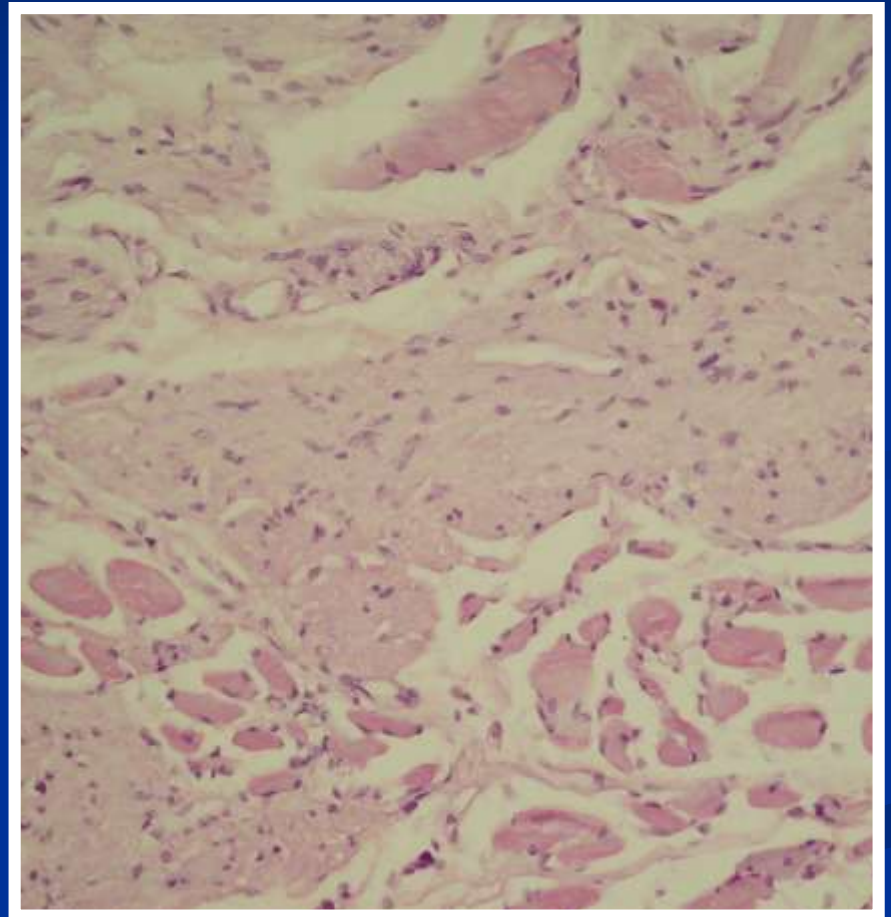
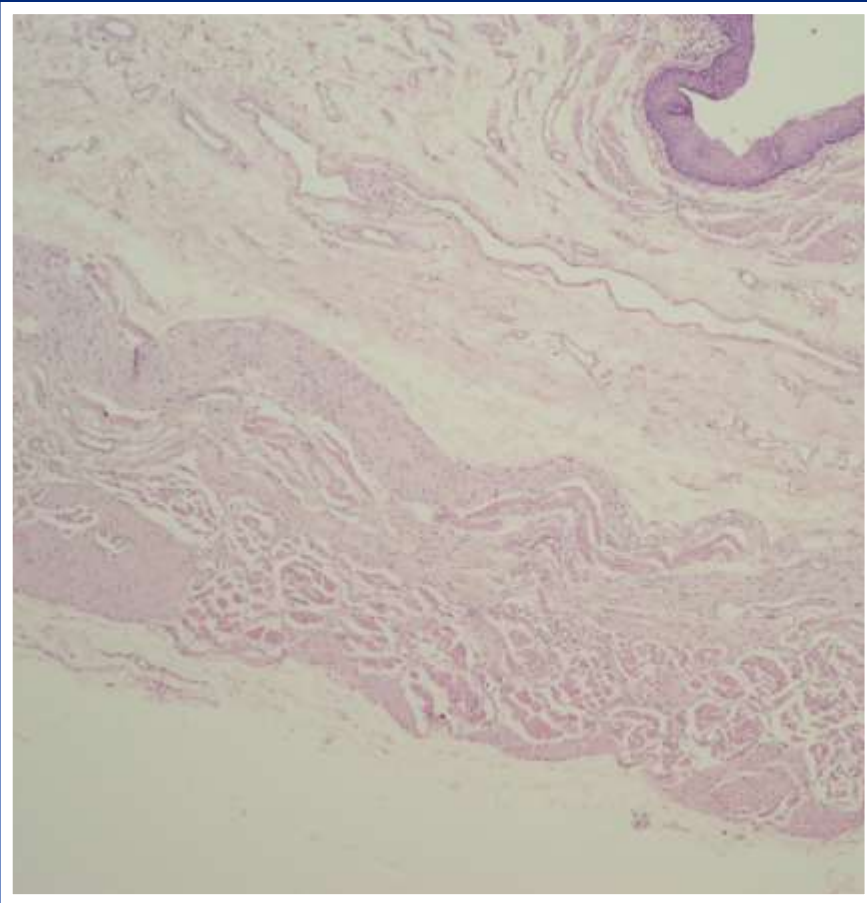
Nerve fibers



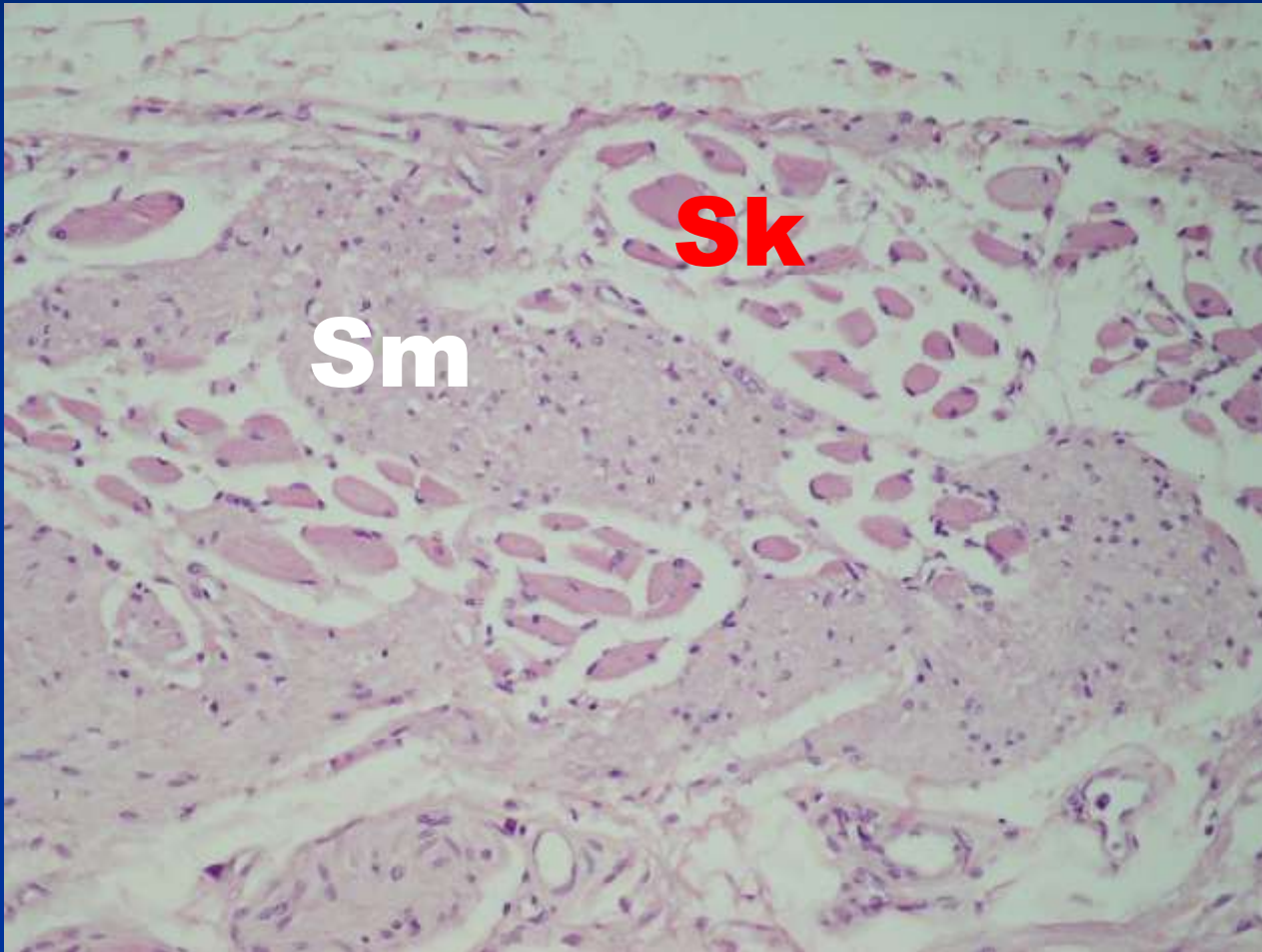
Cardiac gland in I.P. @ junction



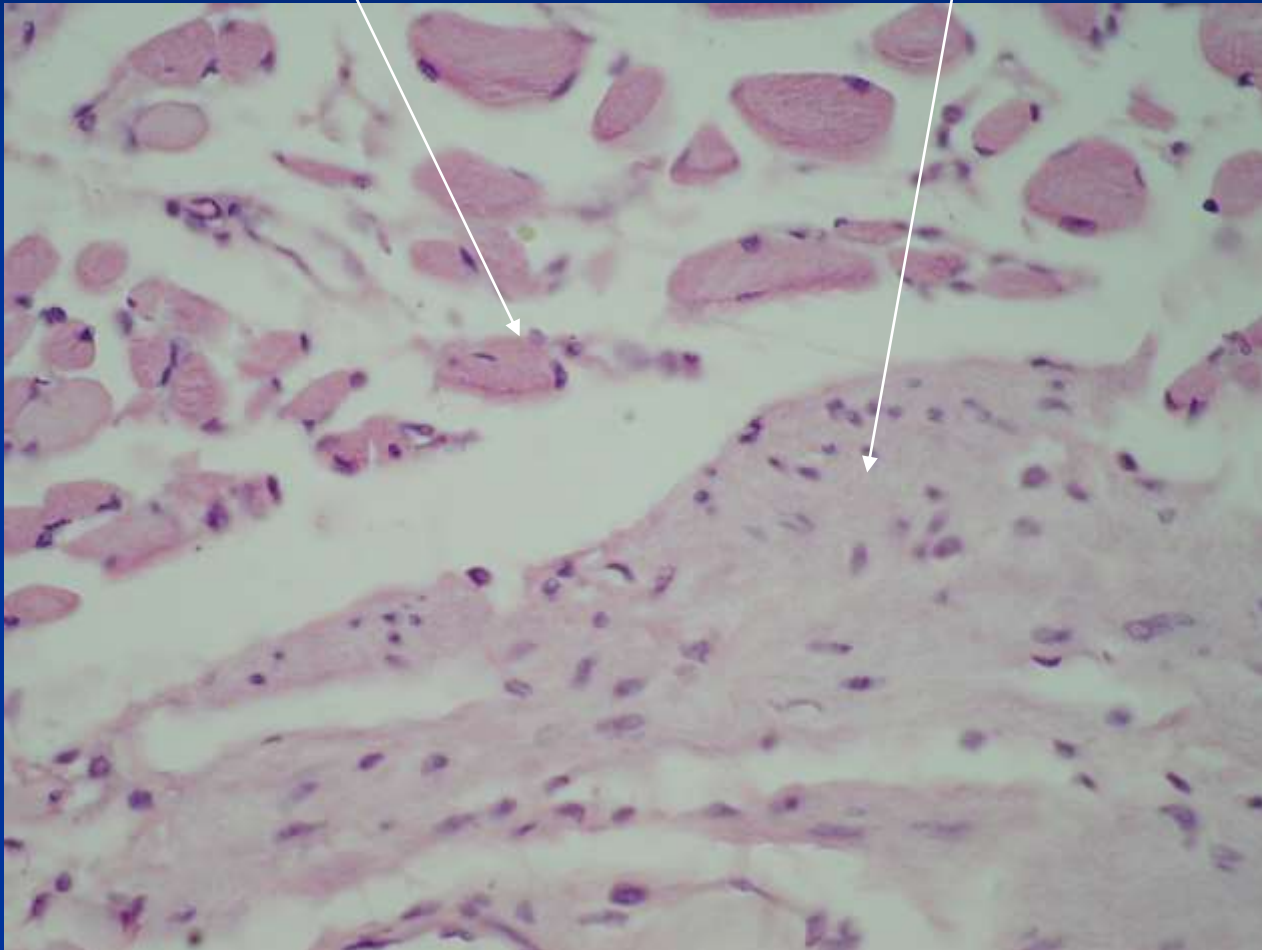
Mixed smooth&skeltal in mid. eOsoph.



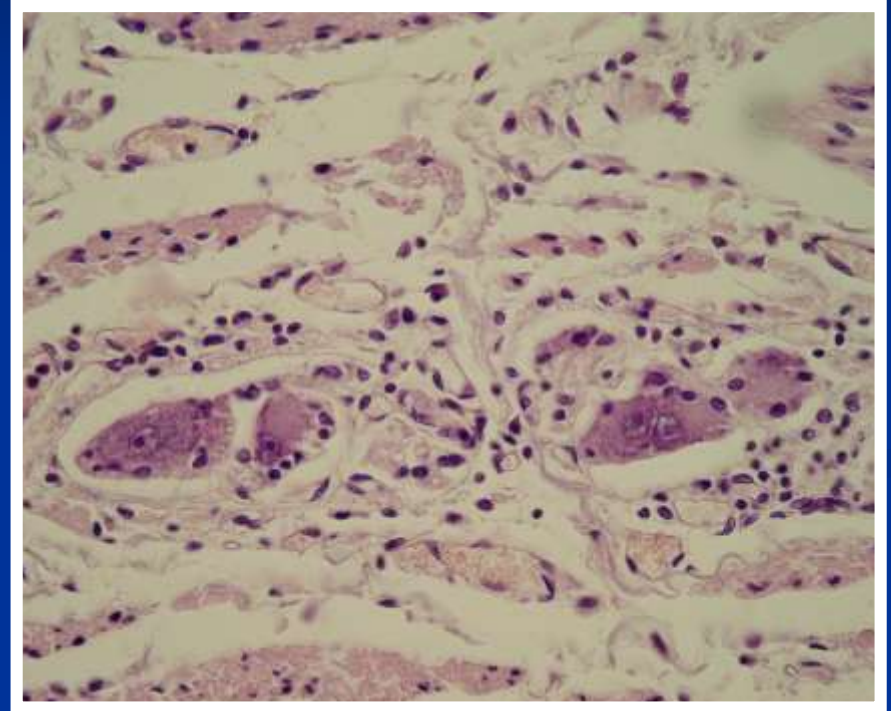
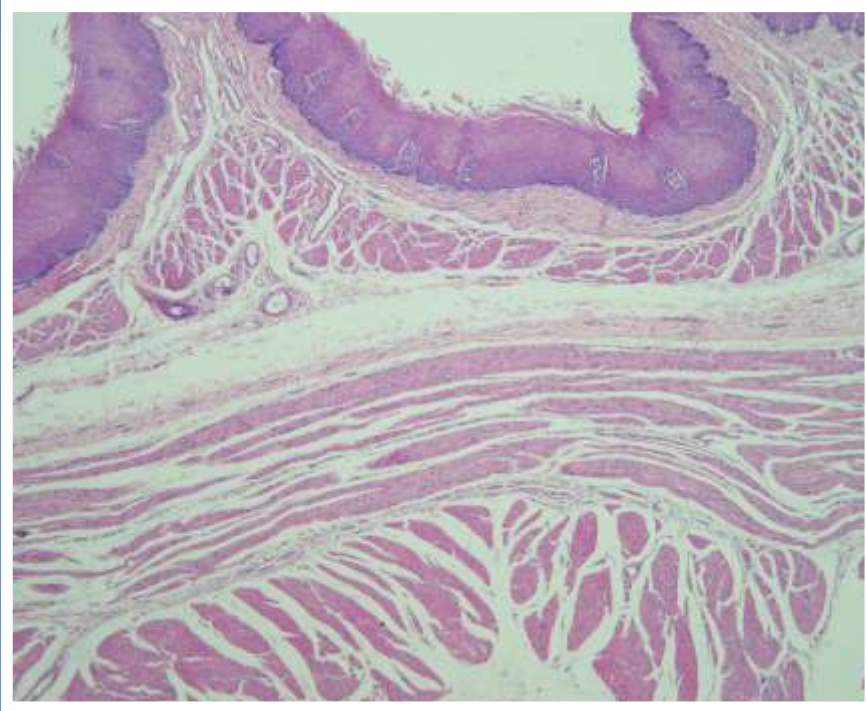
Smooth skeletal muscle



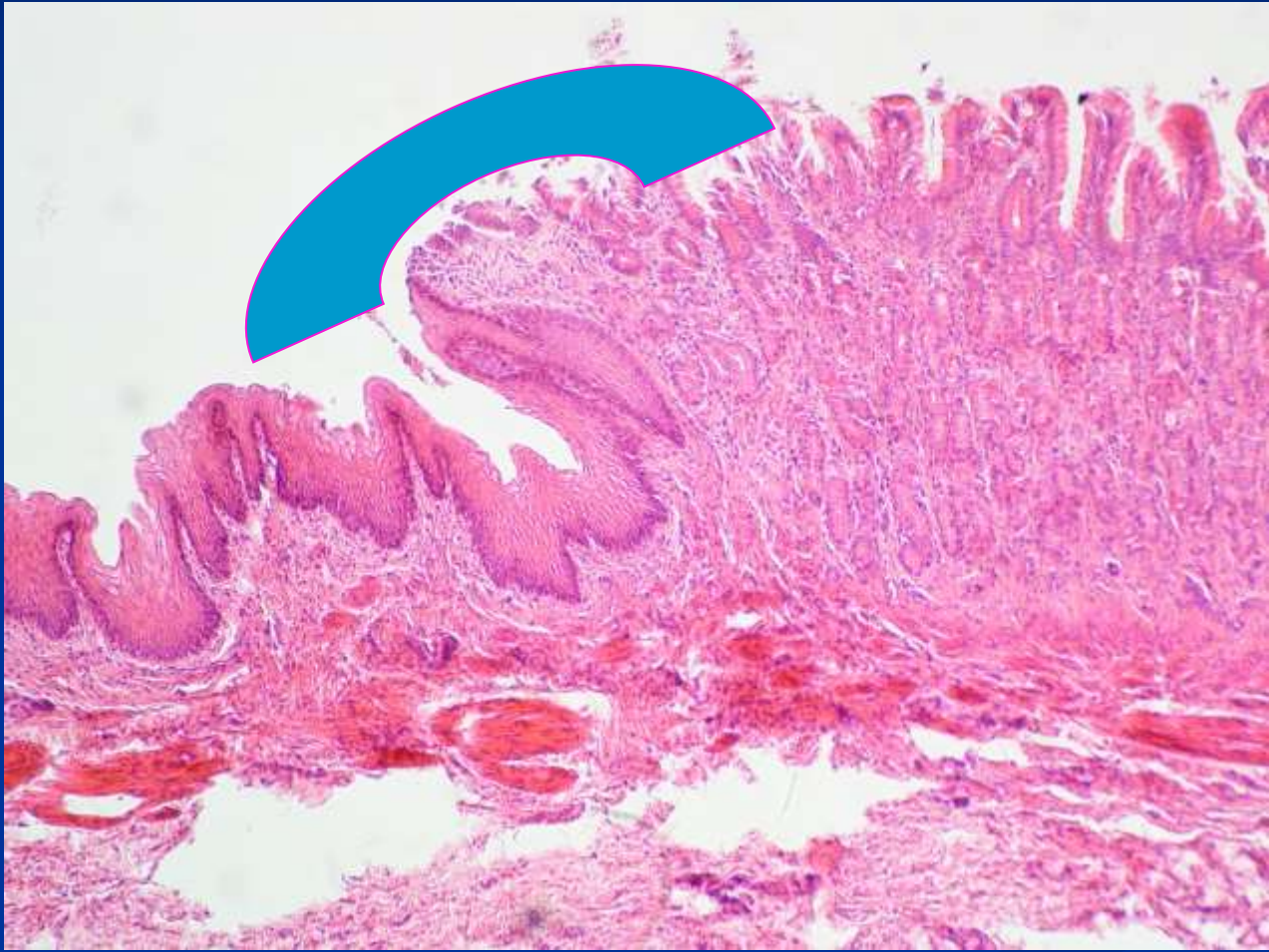
Mixed skeletal and smooth muscle

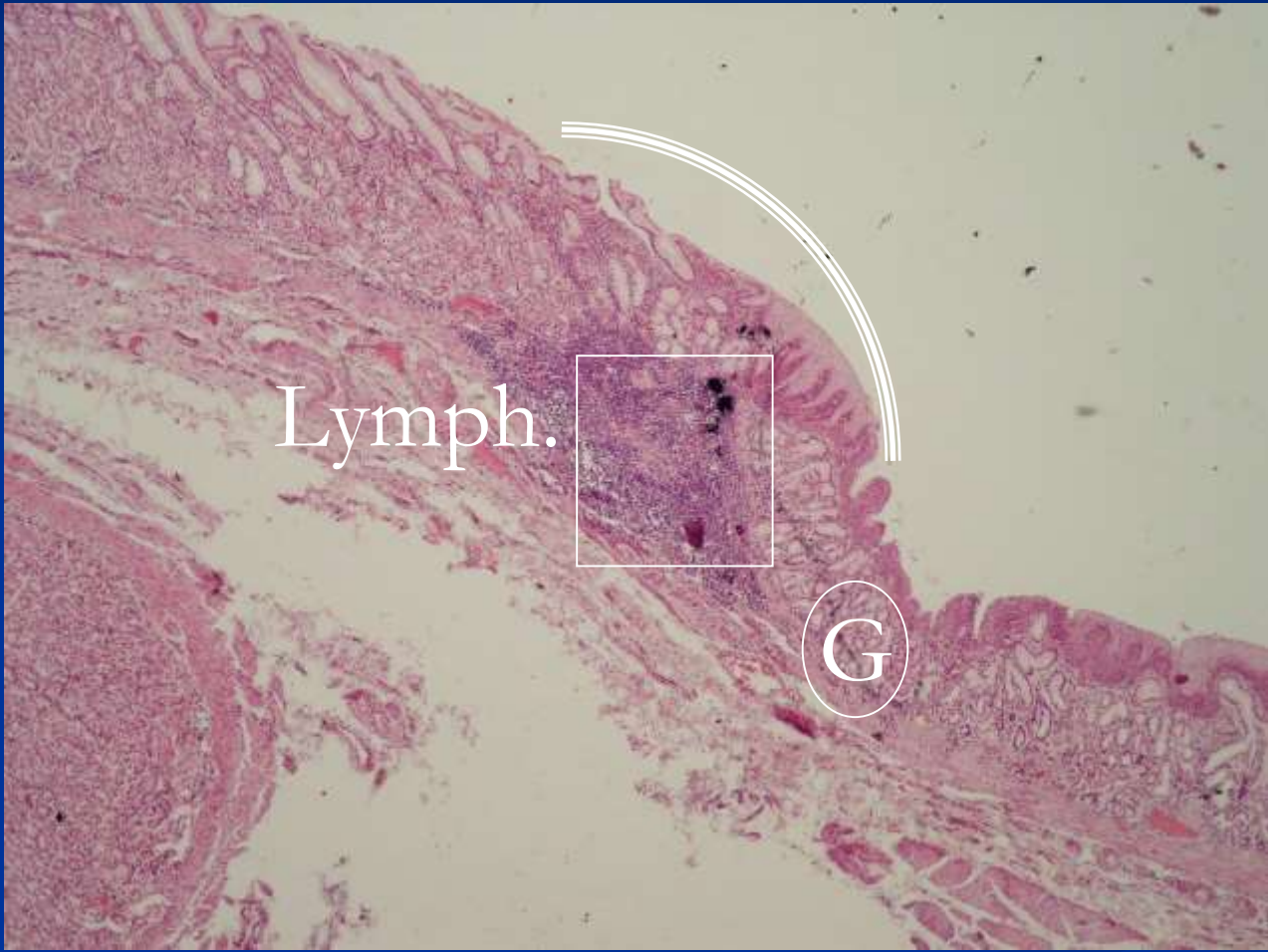


Parasympathetic ganglion- intramural (G.I.T.)



Oesophago-gastric junction





Lymph.

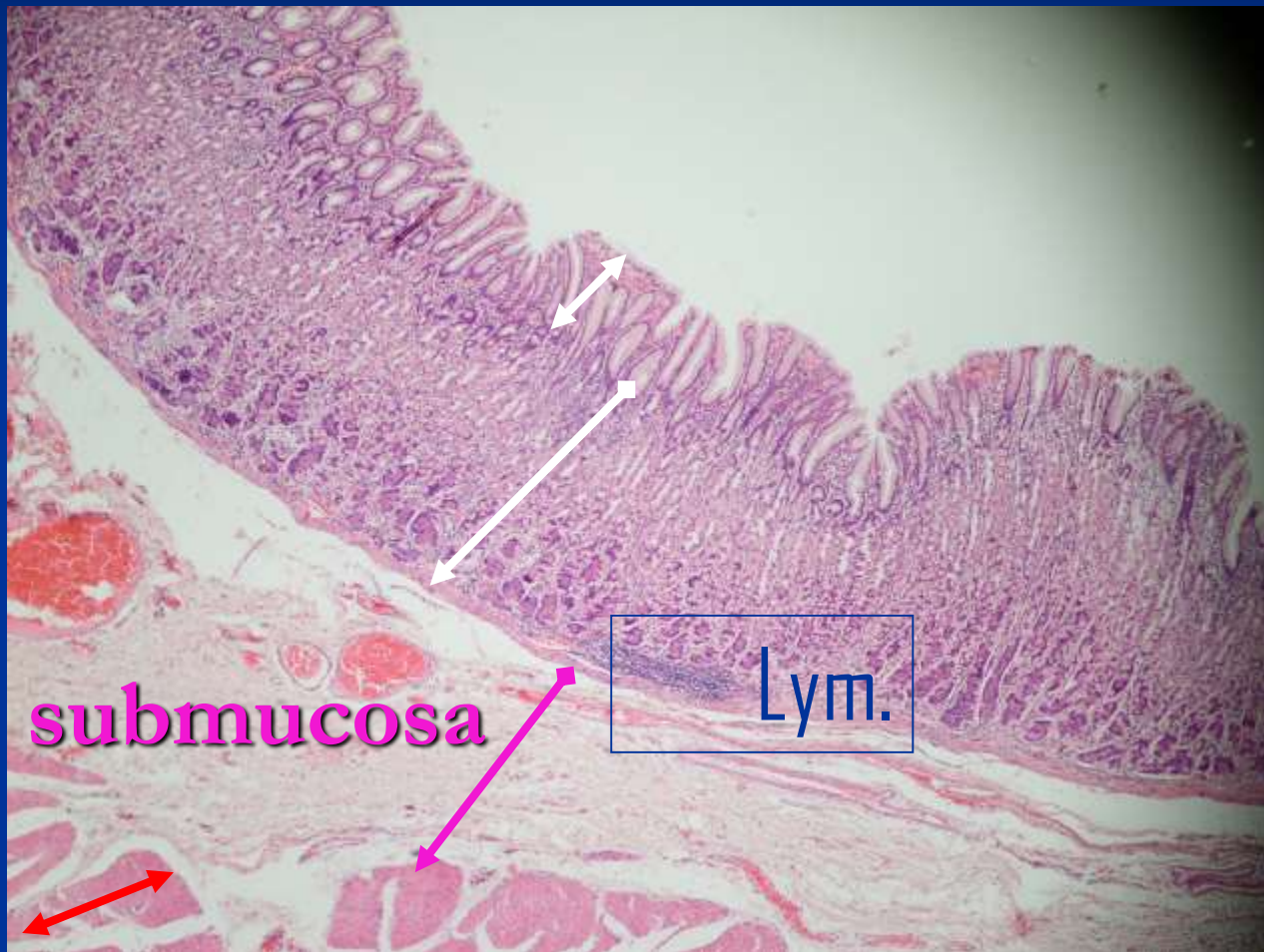
G

Stomach

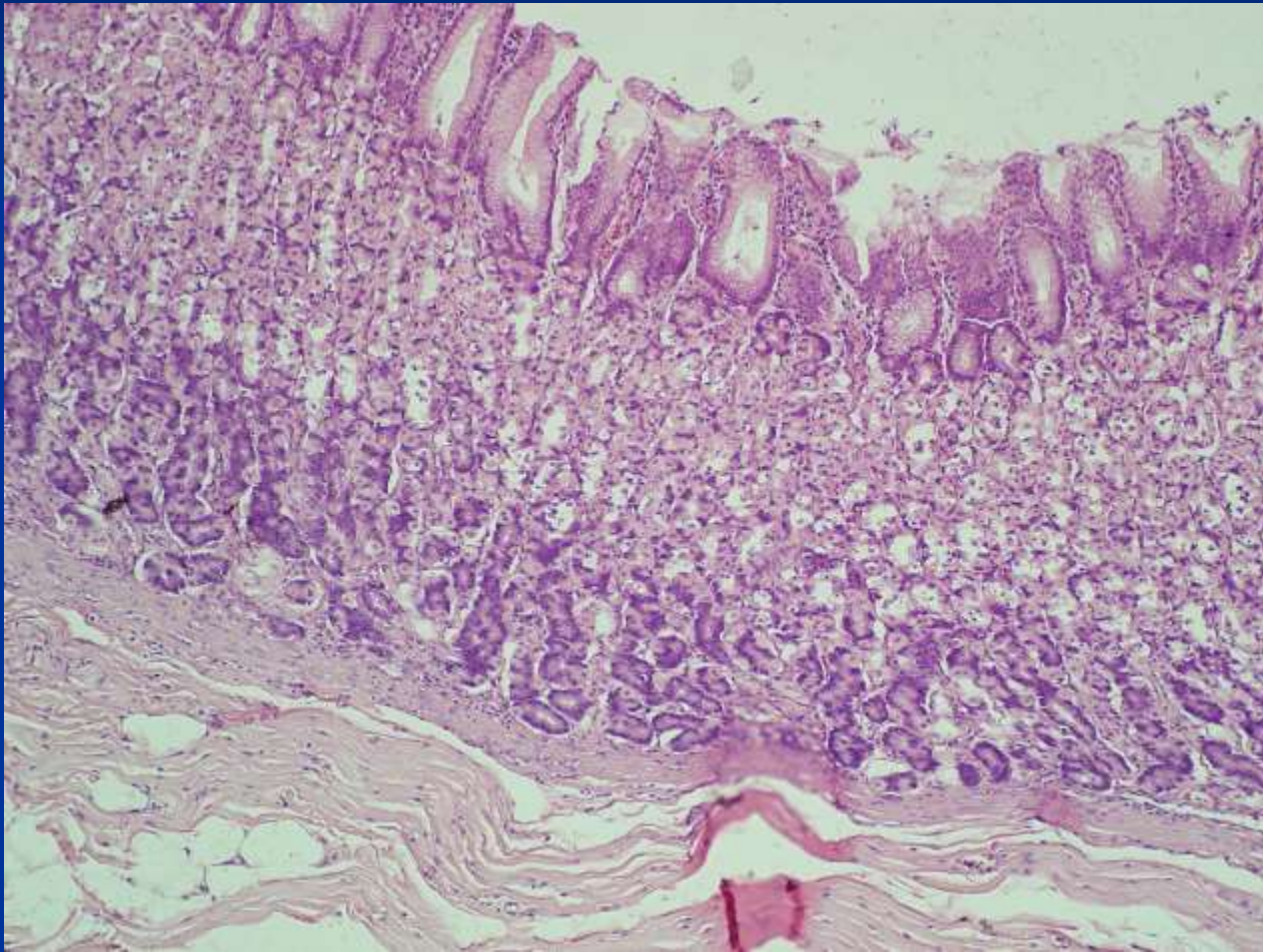
Rugae(stomach):mucosa+submucosa



-mucous membrane: gastric
pit+l.p+mus.mucosa

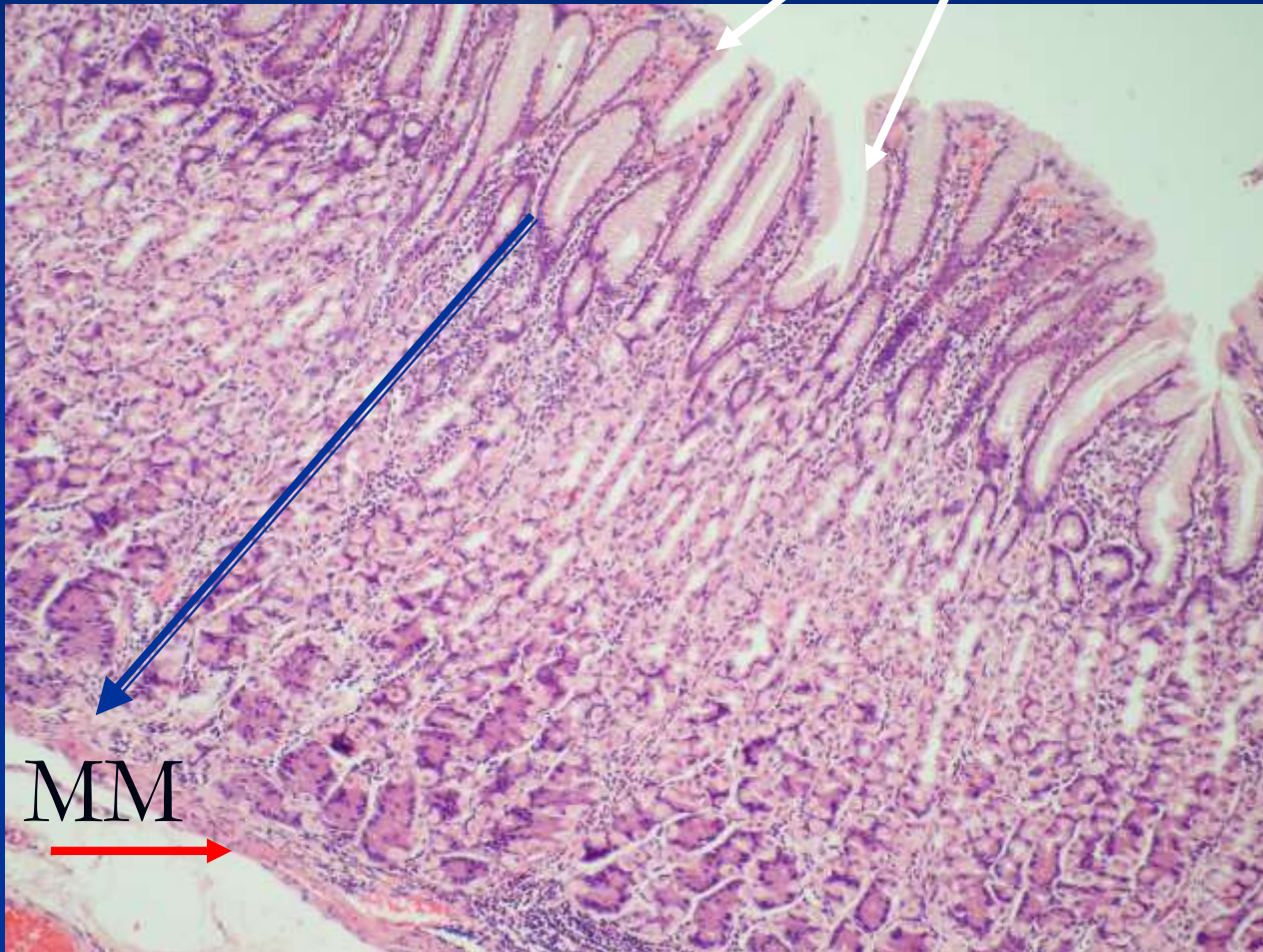


Fundus or body of stomach



Gastric pit (simple columnar epith.)

gastric glands



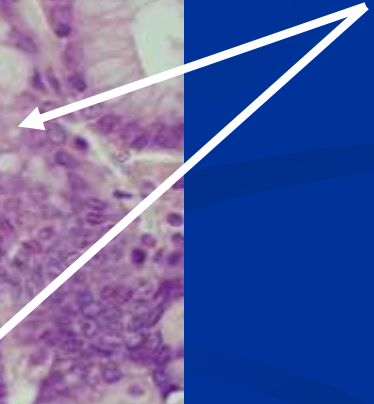
Gastric pit simple branched tubular gland



Mucous_secreting surface cells

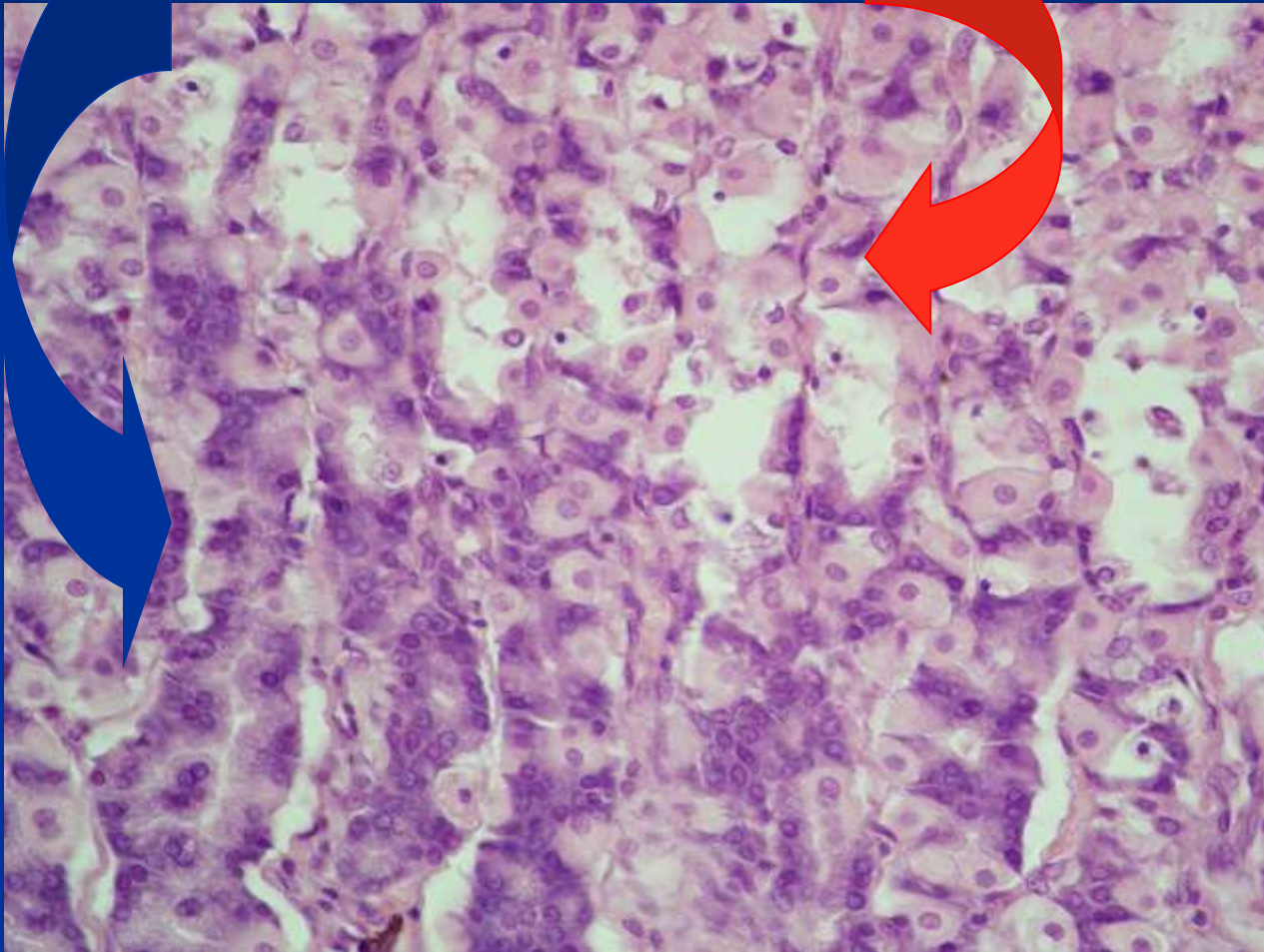


Neck
mucous
cells



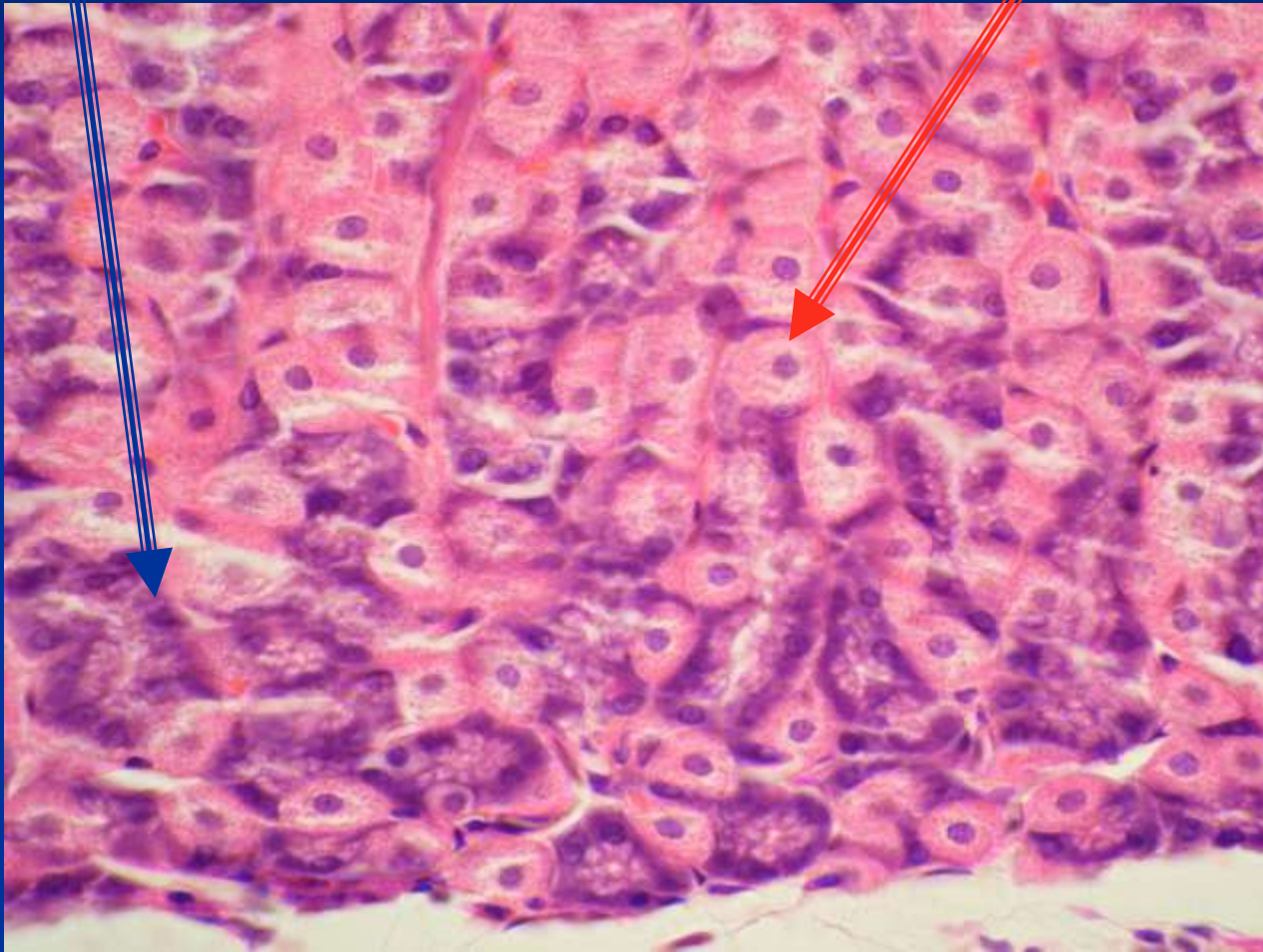
Chief cells

parietal cell



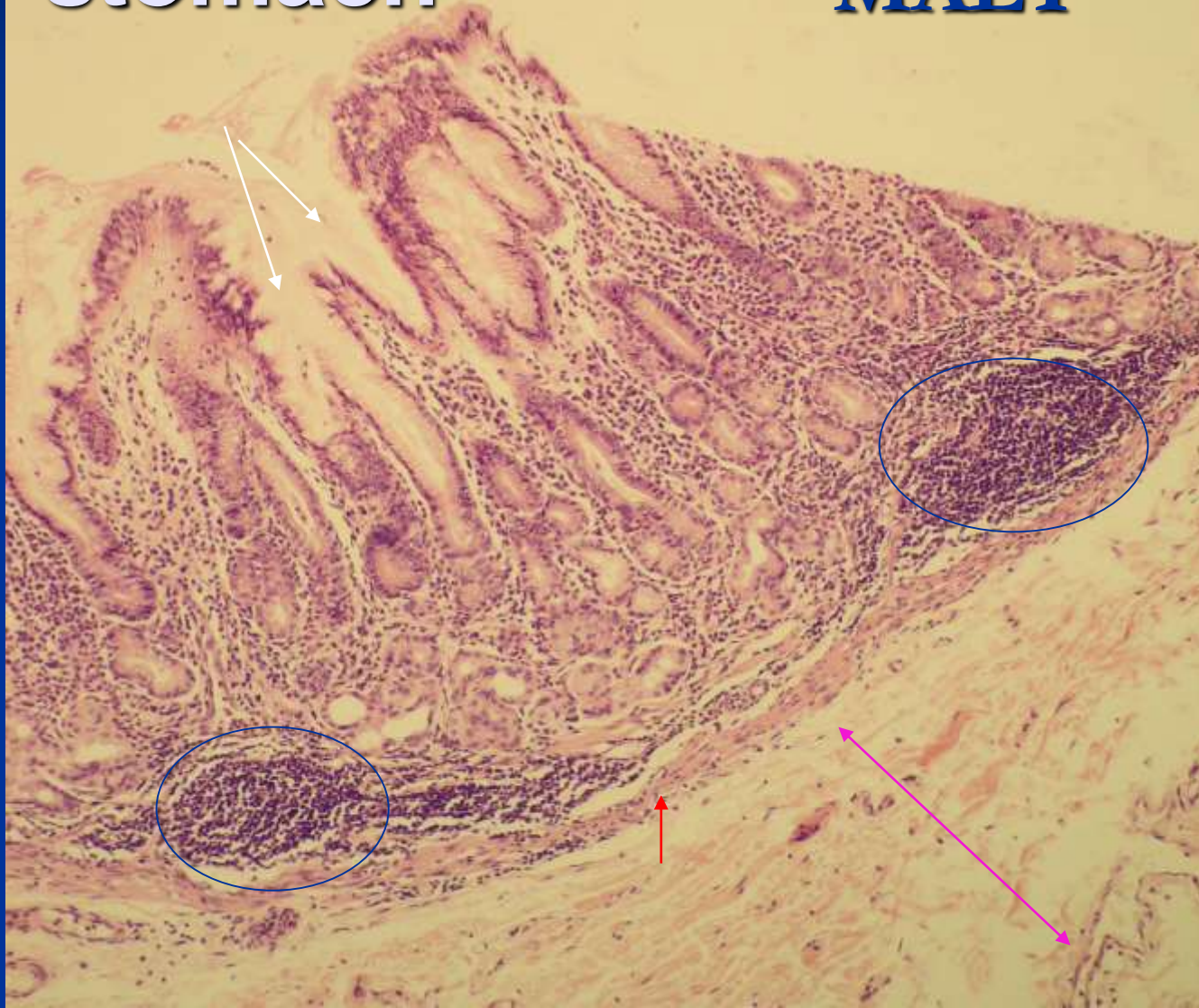
Chief cells

parietal cell

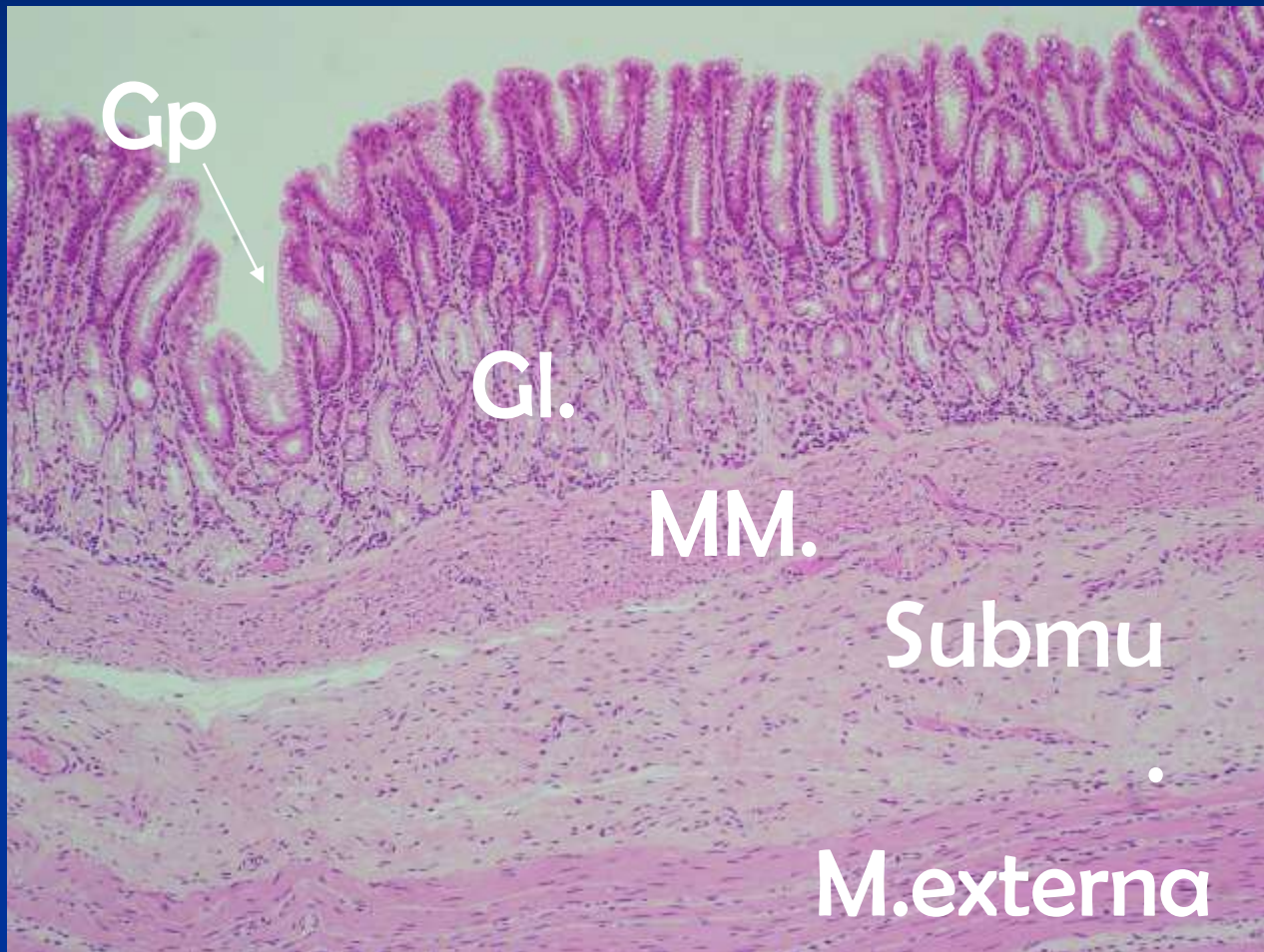


**Pyloric
stomach**

MALT

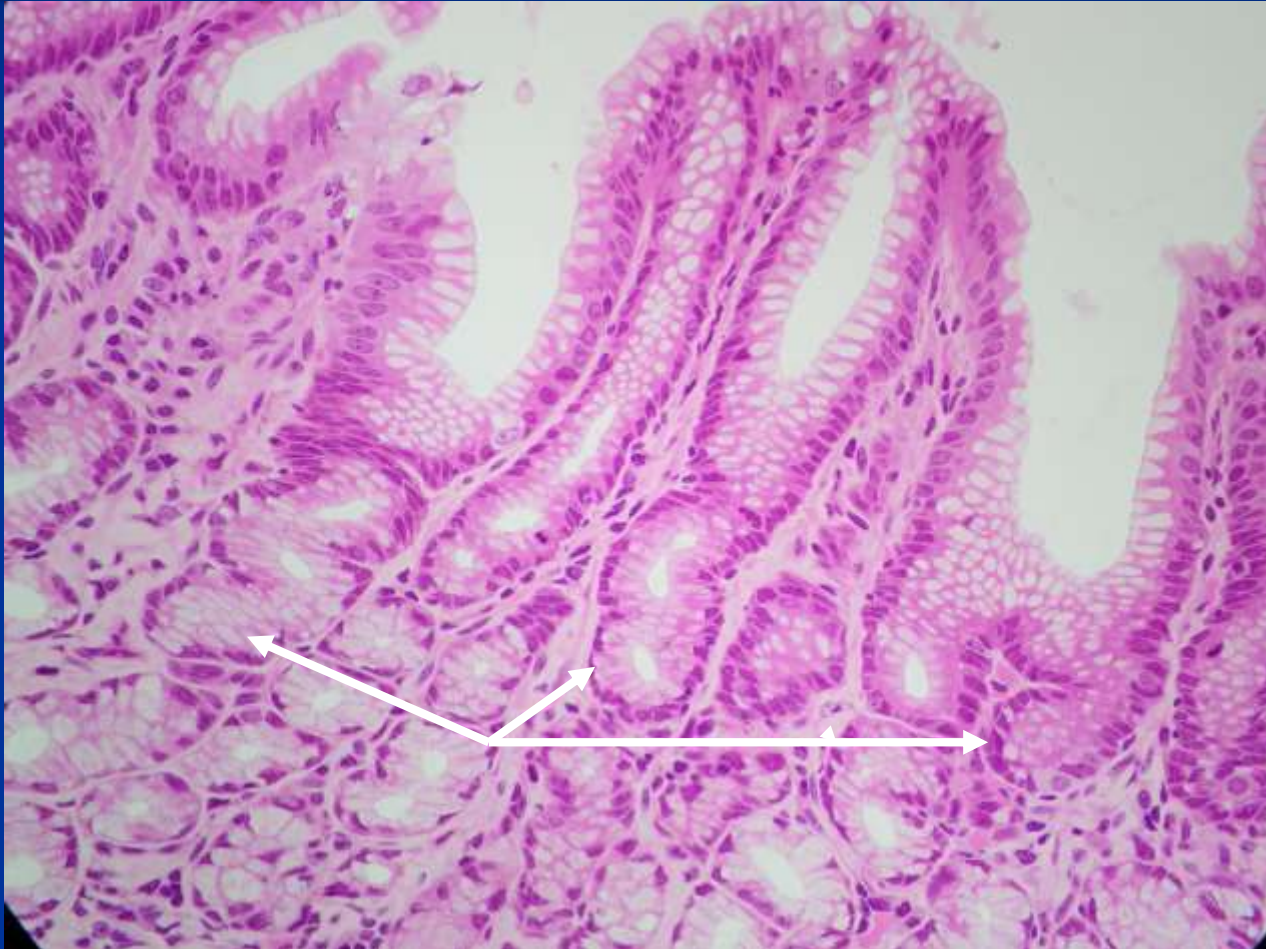


Pyloric stomach

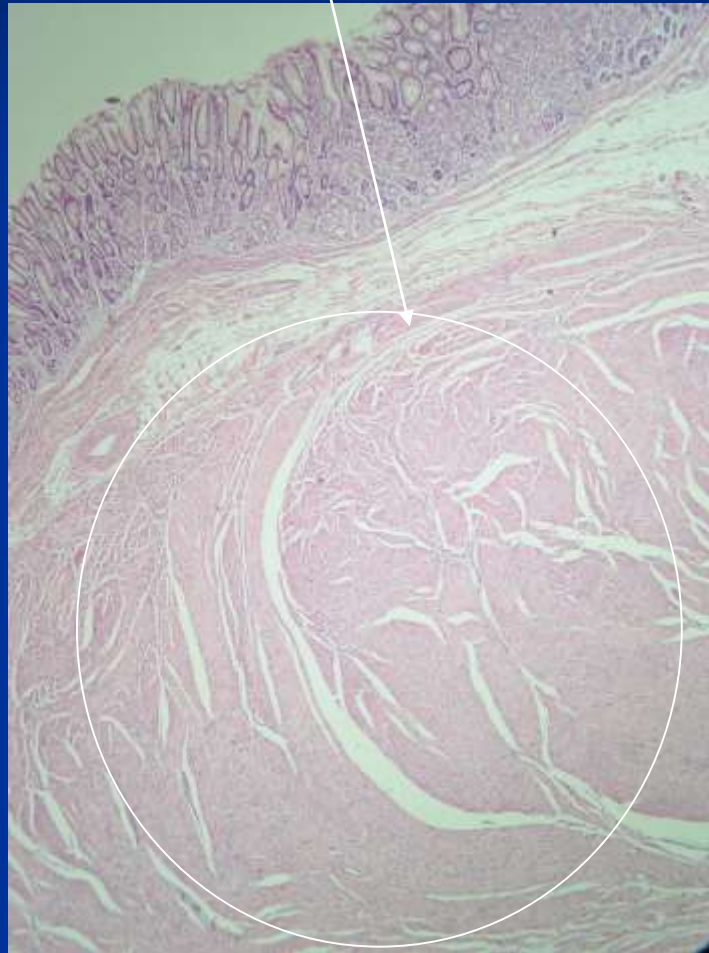


Pyloric glands

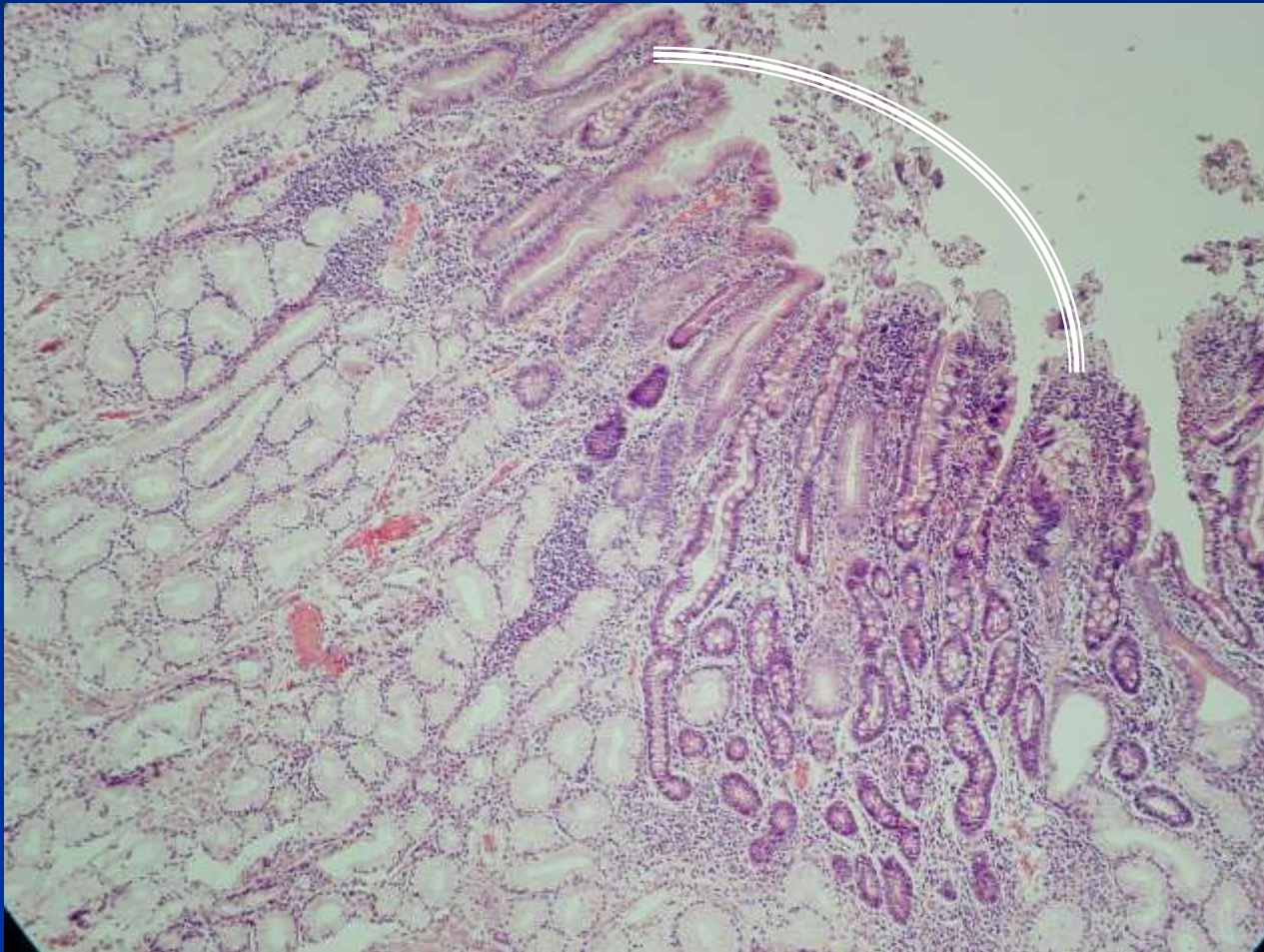
simple branched tubular coiled glands (mucous cells)



Sphincter pyloric



Pyloric- duodenal junction



Small intestine

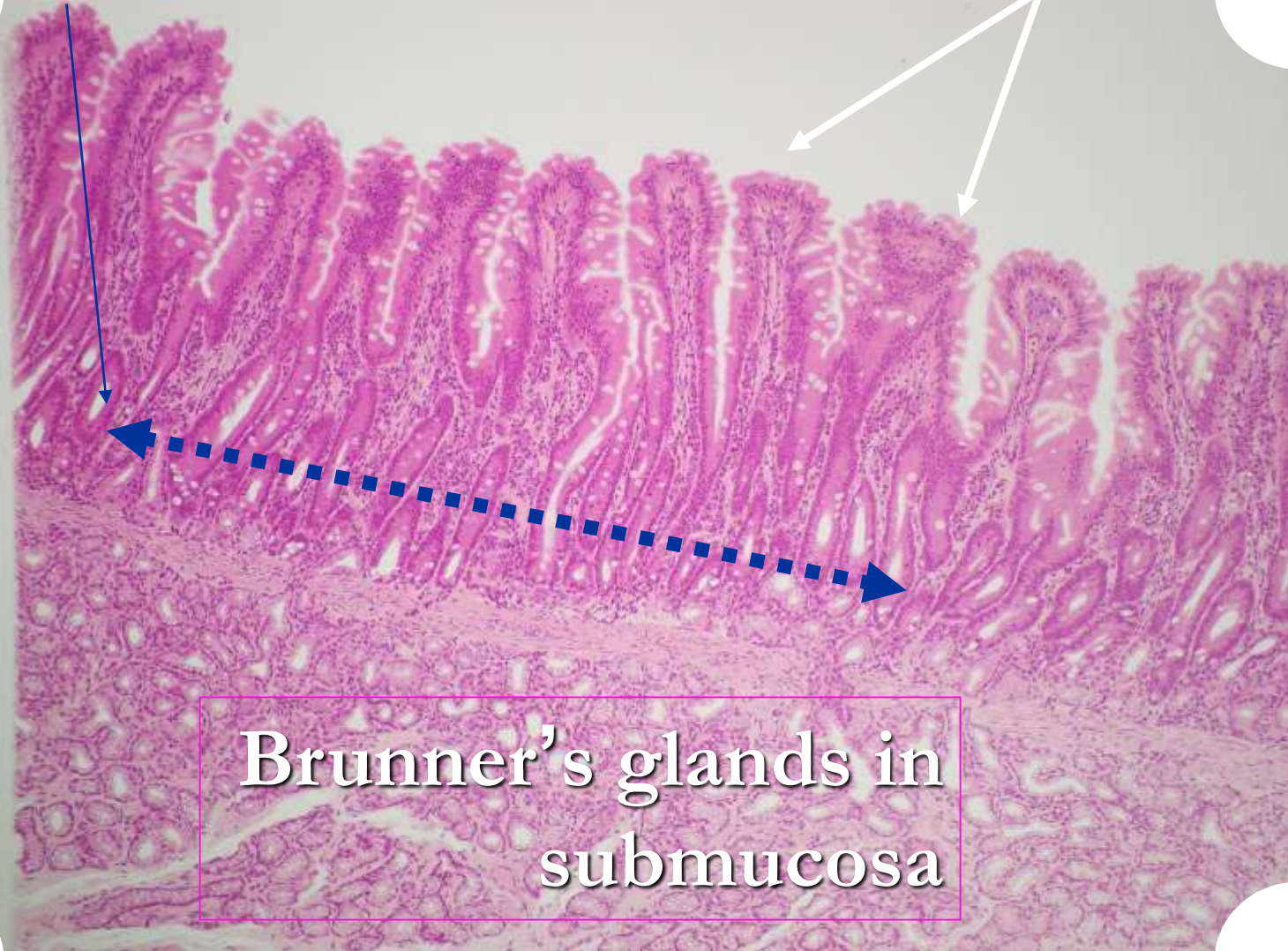


Duodenum



Intestinal glands

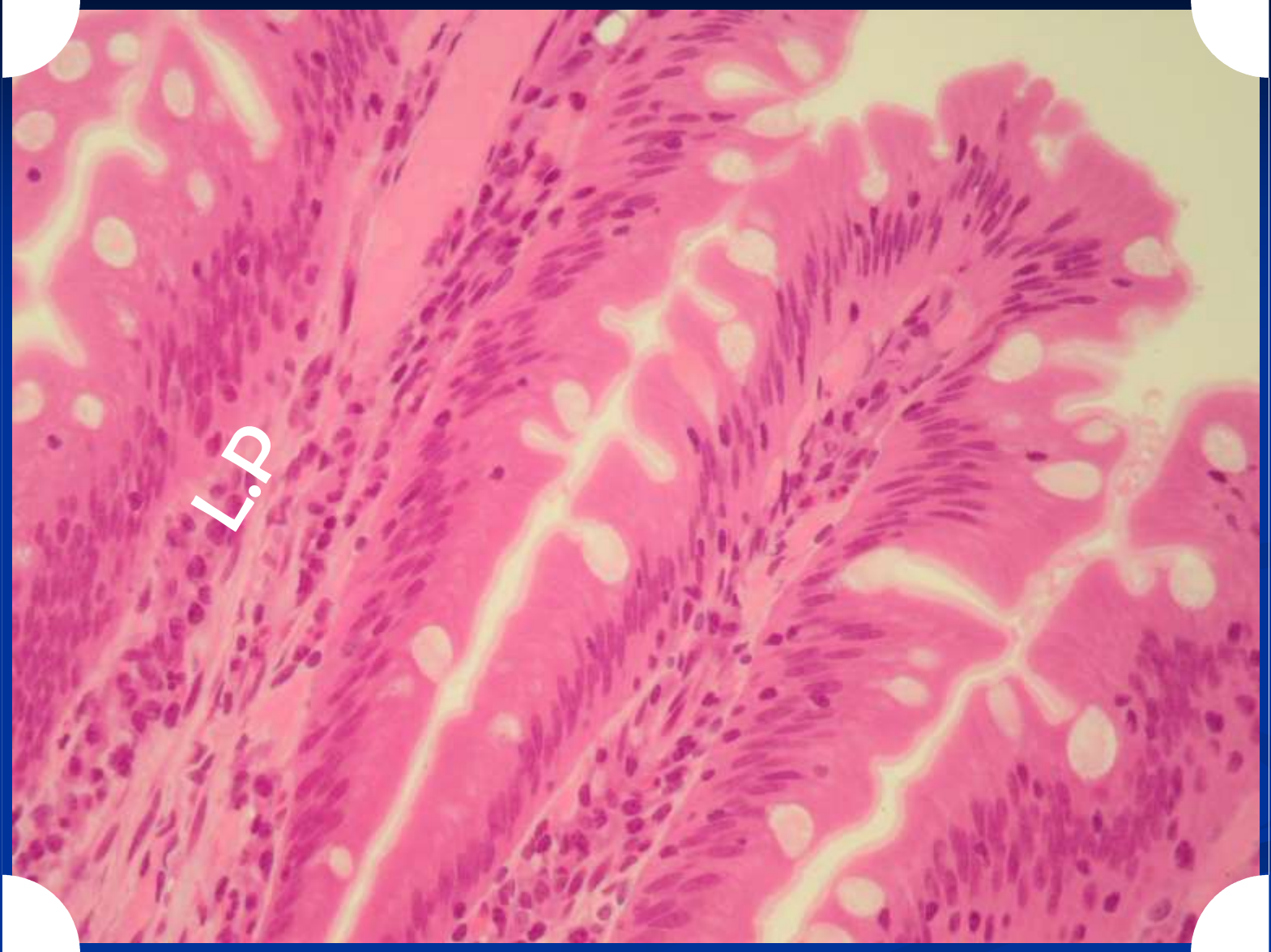
villi



Brunner's glands in
submucosa

Crypt of Lieberkuhn villus

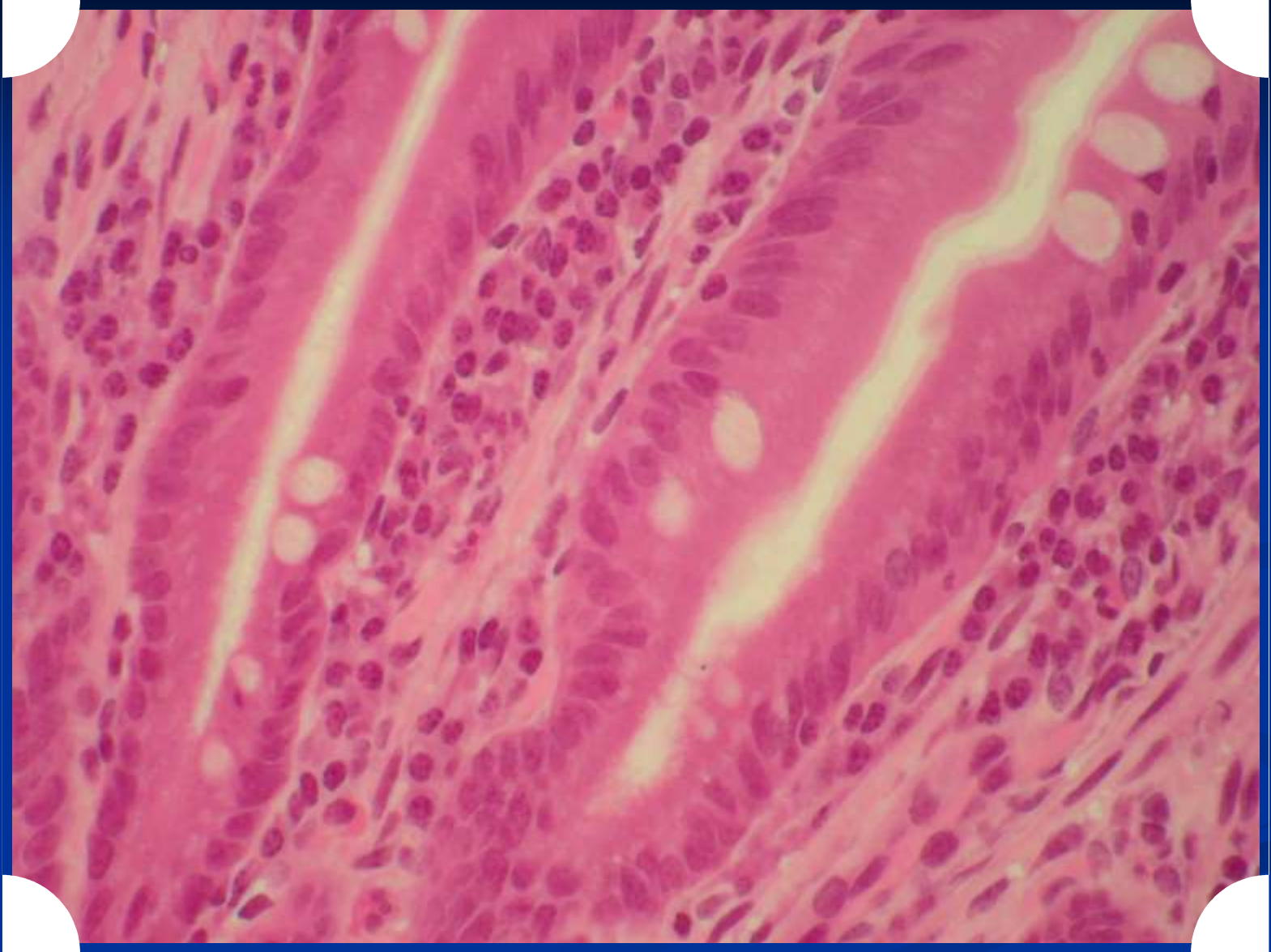


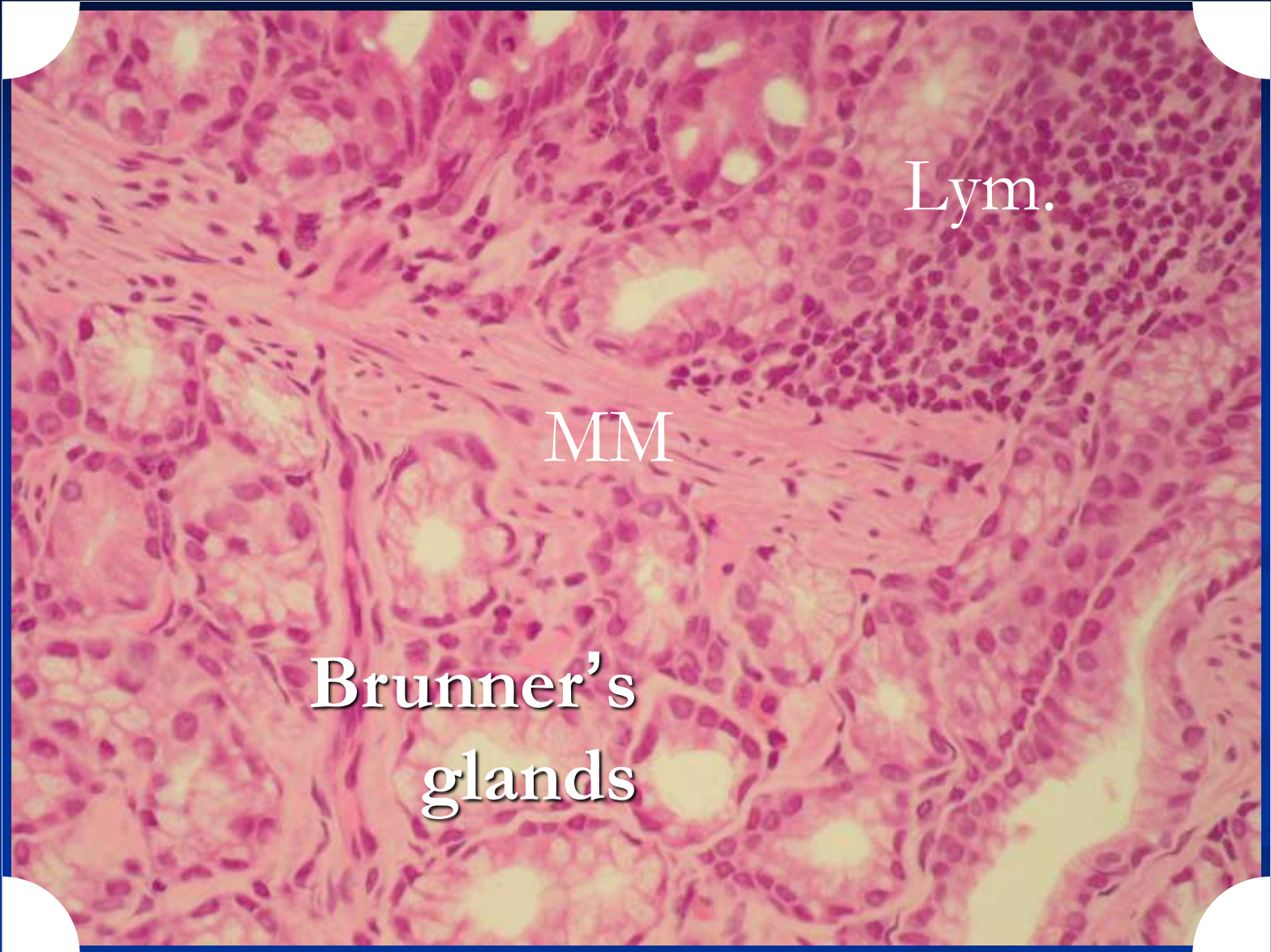


L.P.

Surface absorptive cells (simple columnar with brush border)





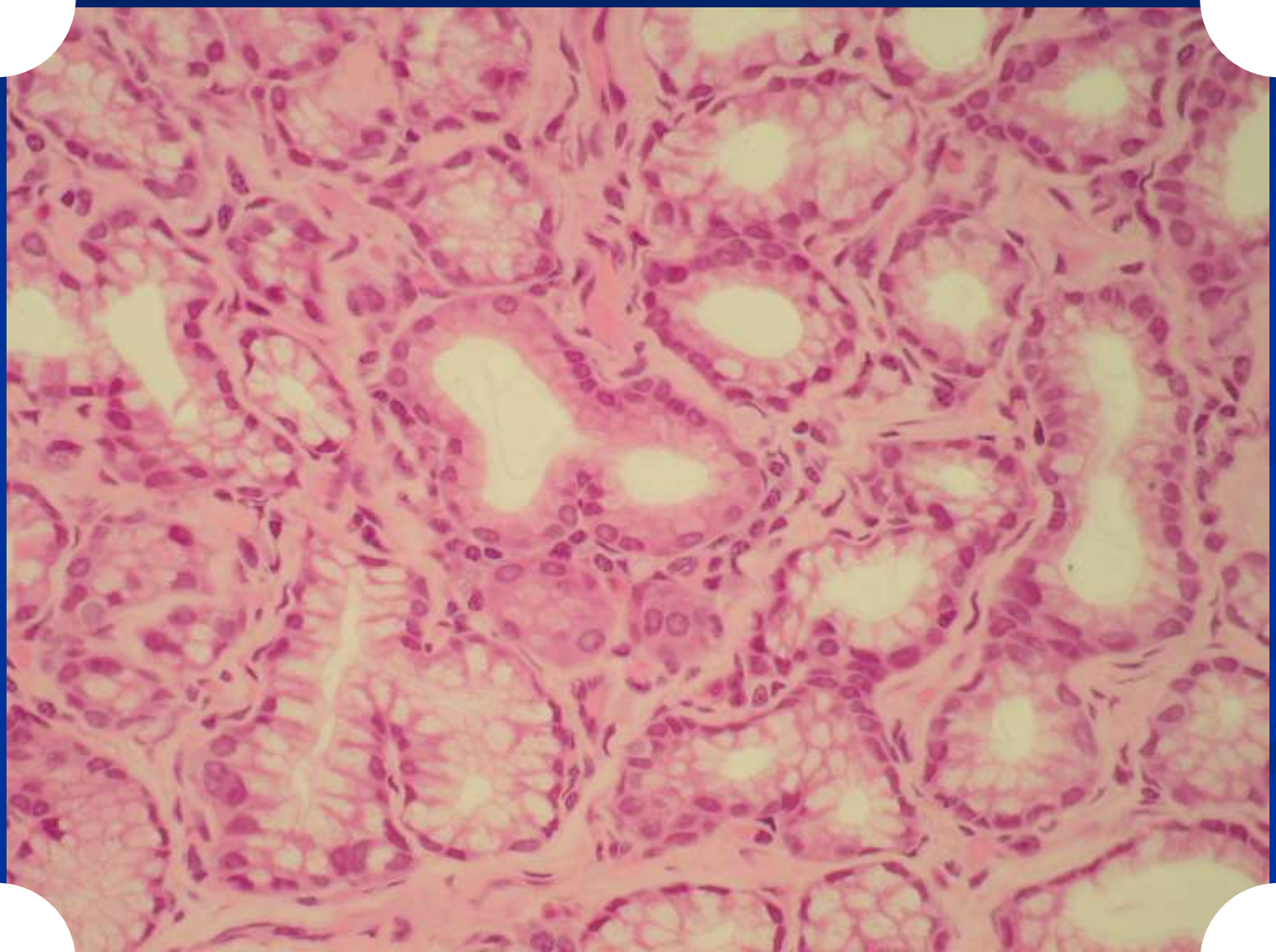


Lym.

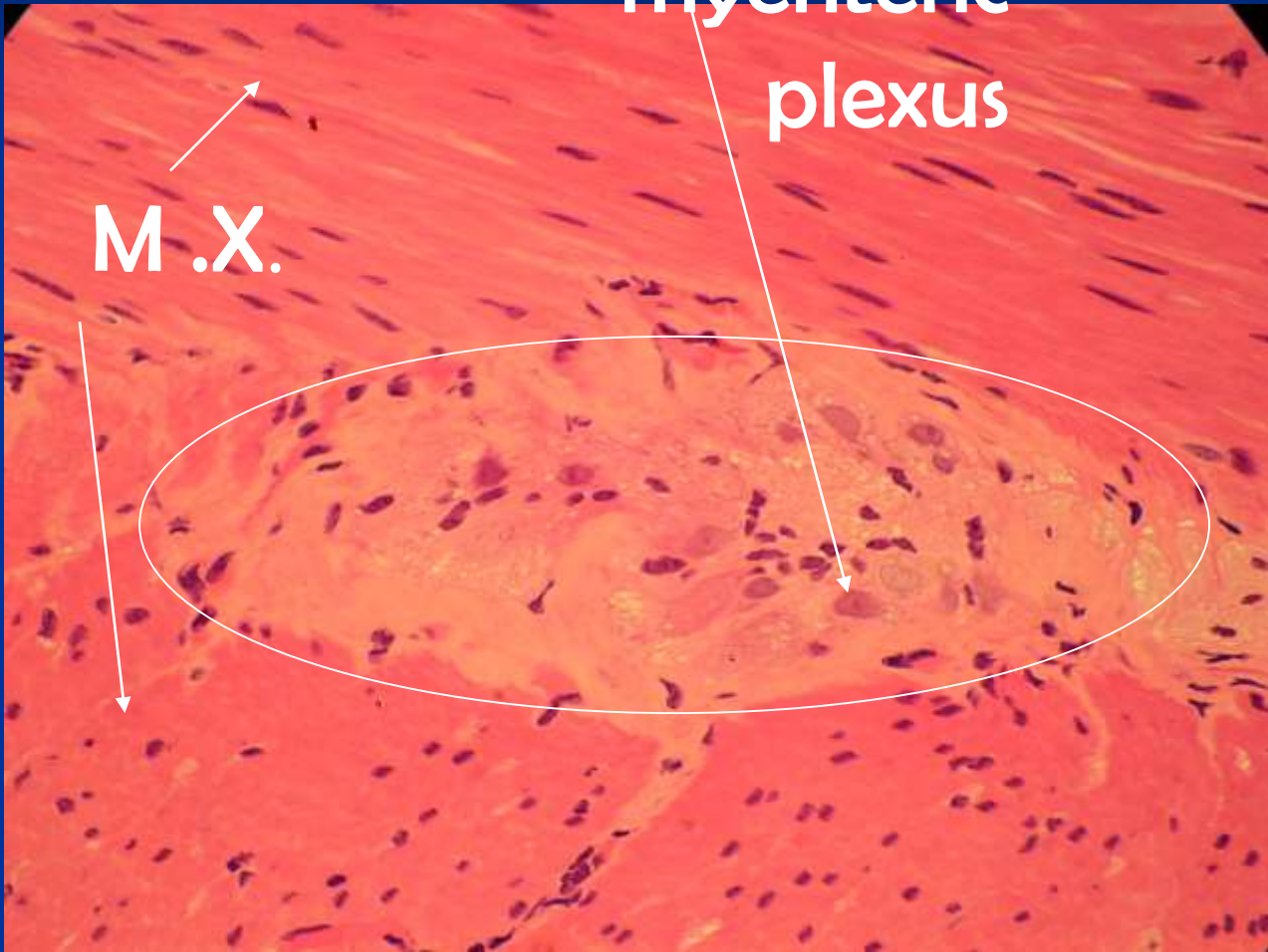
MM

Brunner's
glands

Simple branch tubular gl.=mucous



Auerbach's myenteric plexus



M .X.

Plicae circularis in jejunum

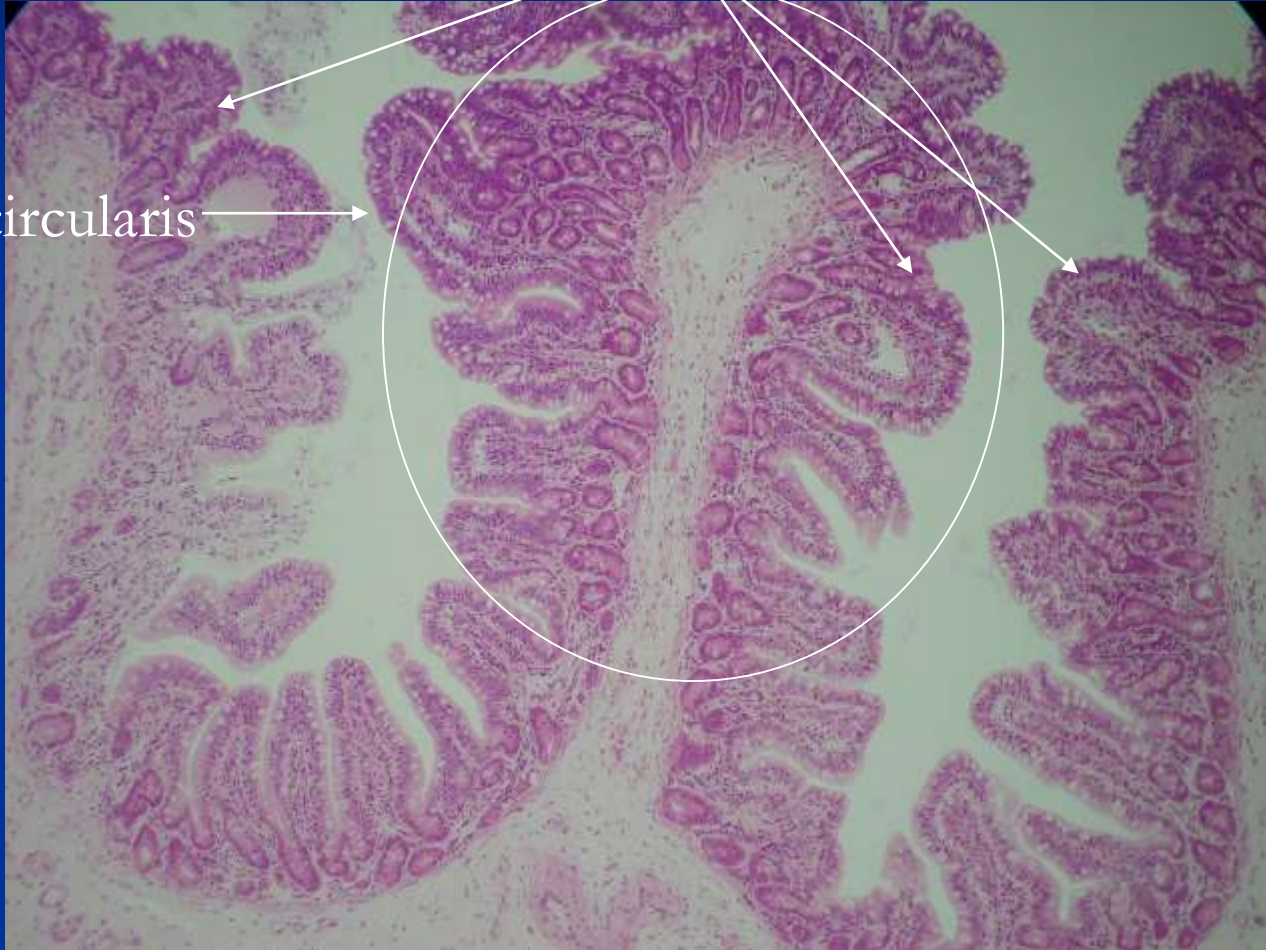


Submu.

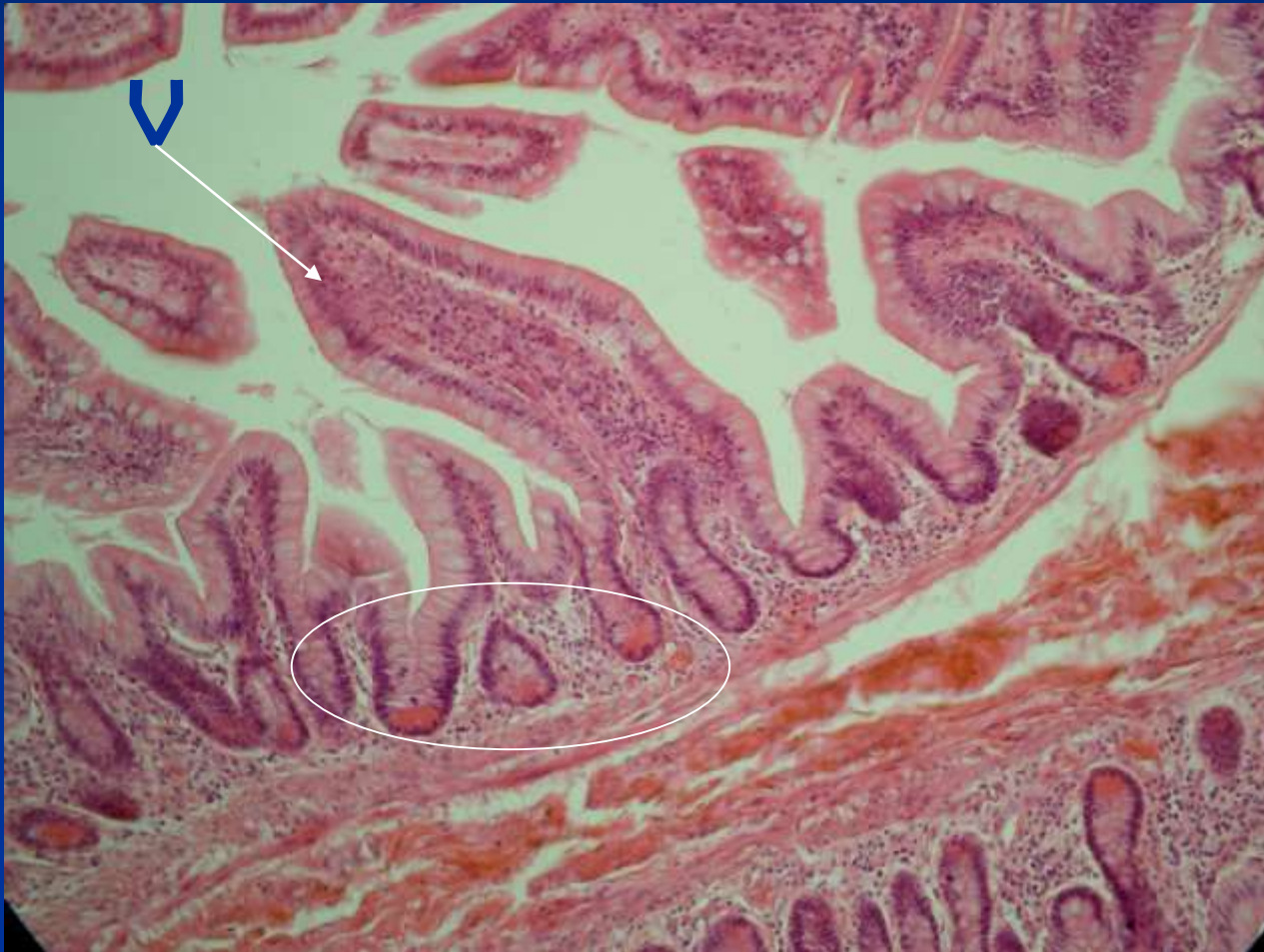
M.X.

villi

Plica circularis



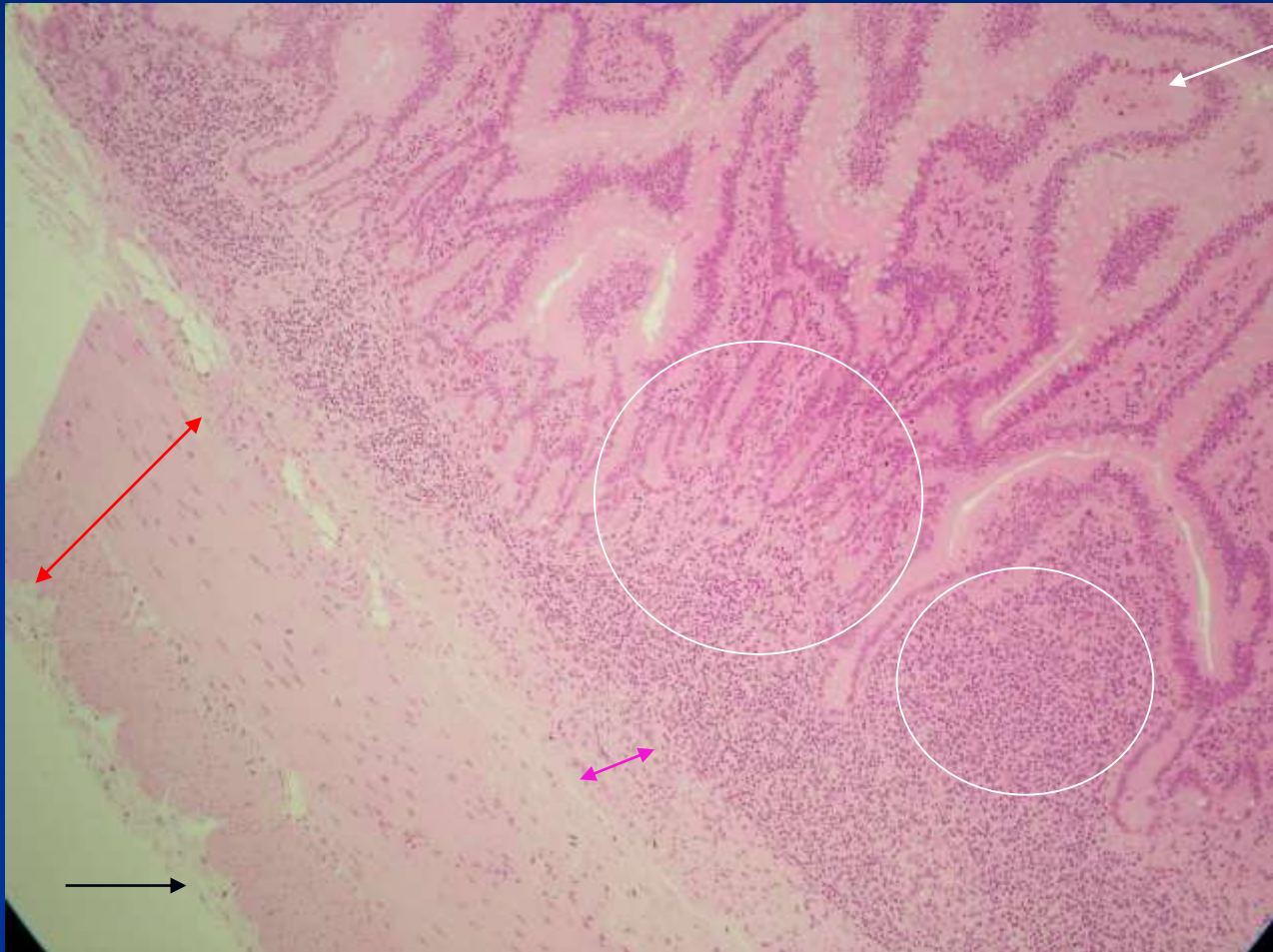
Crypt= intestinal gland



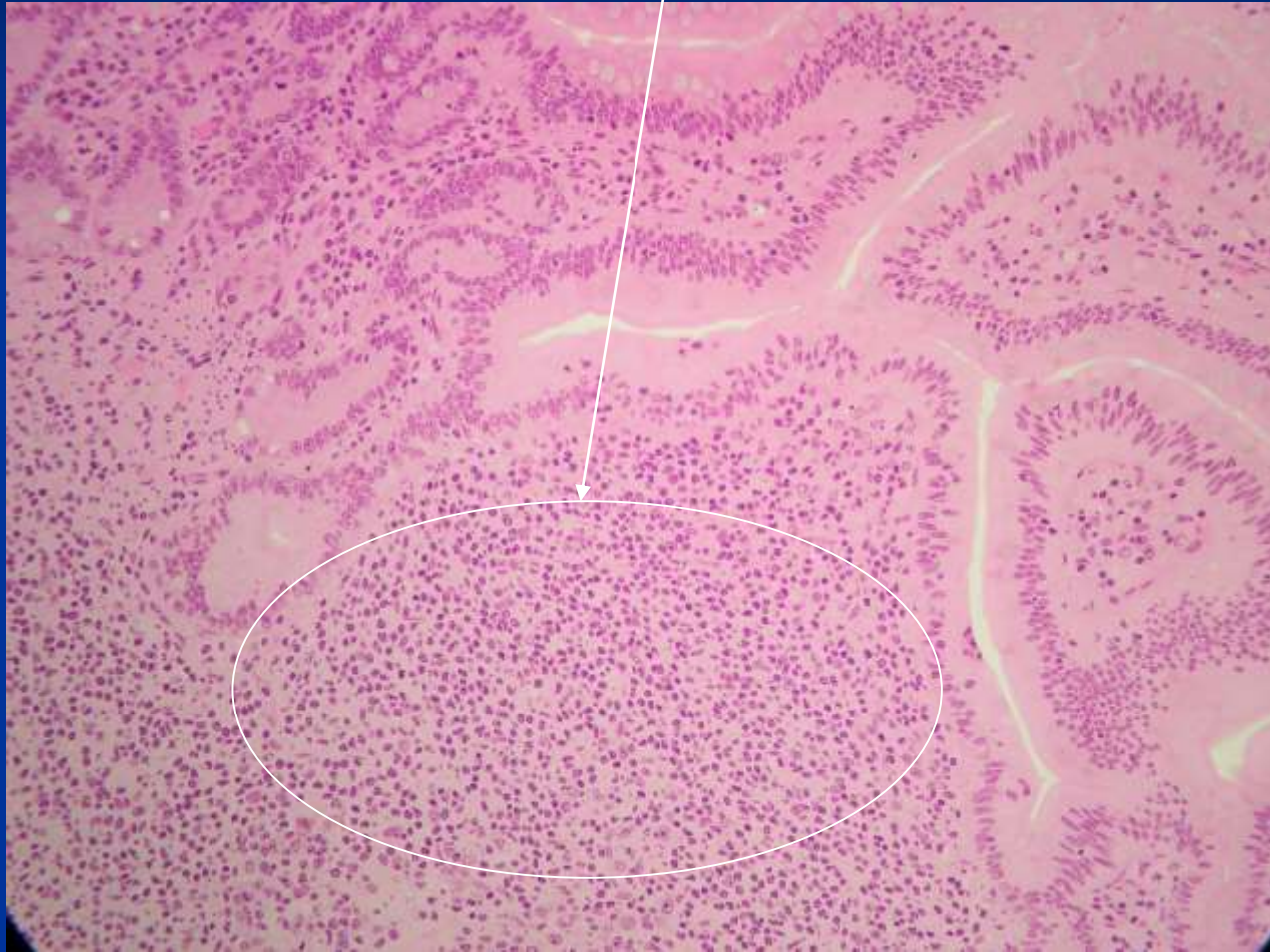
Paneth cell of intestinal gland



Ileum

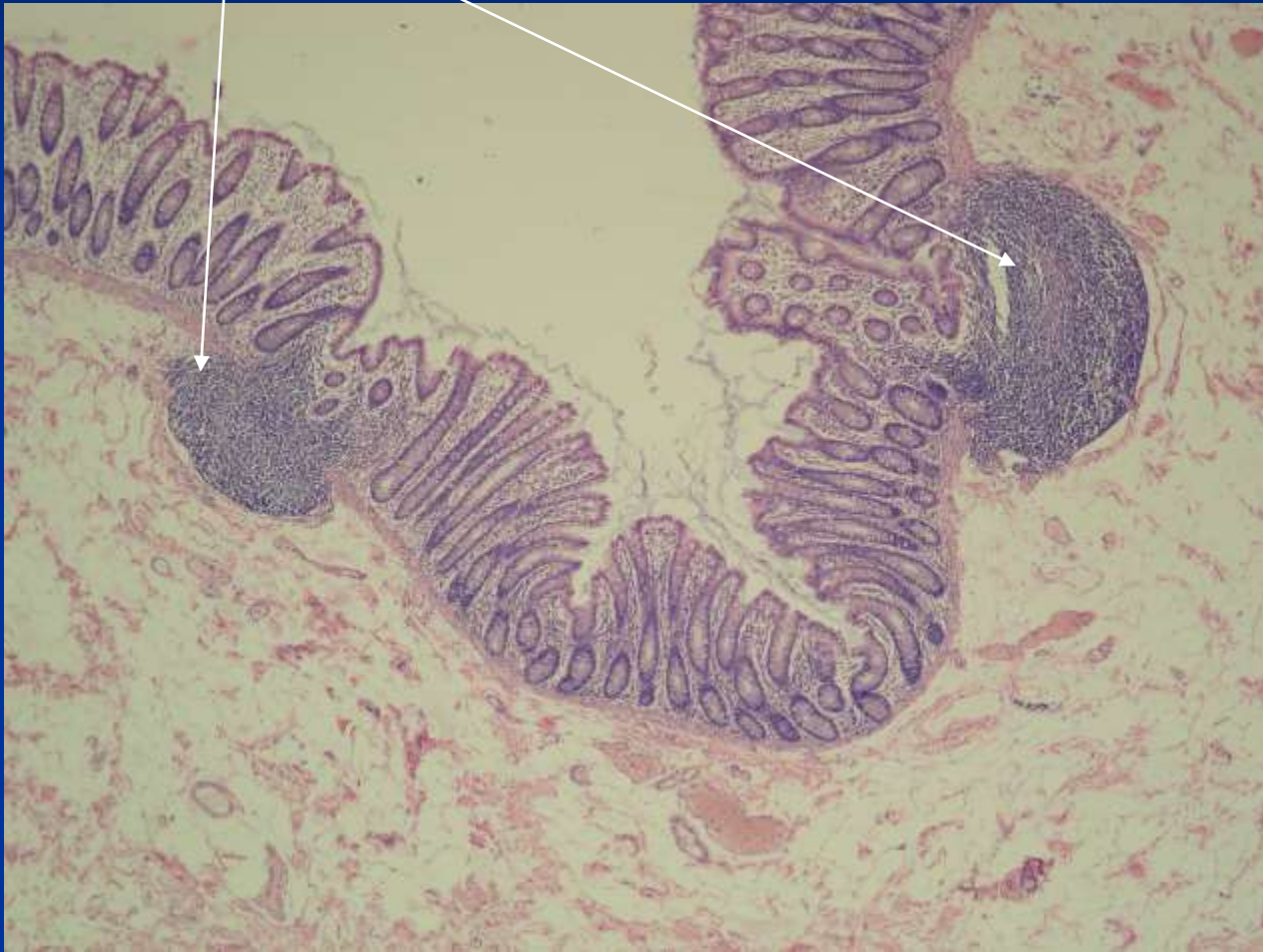


Peyer's patches

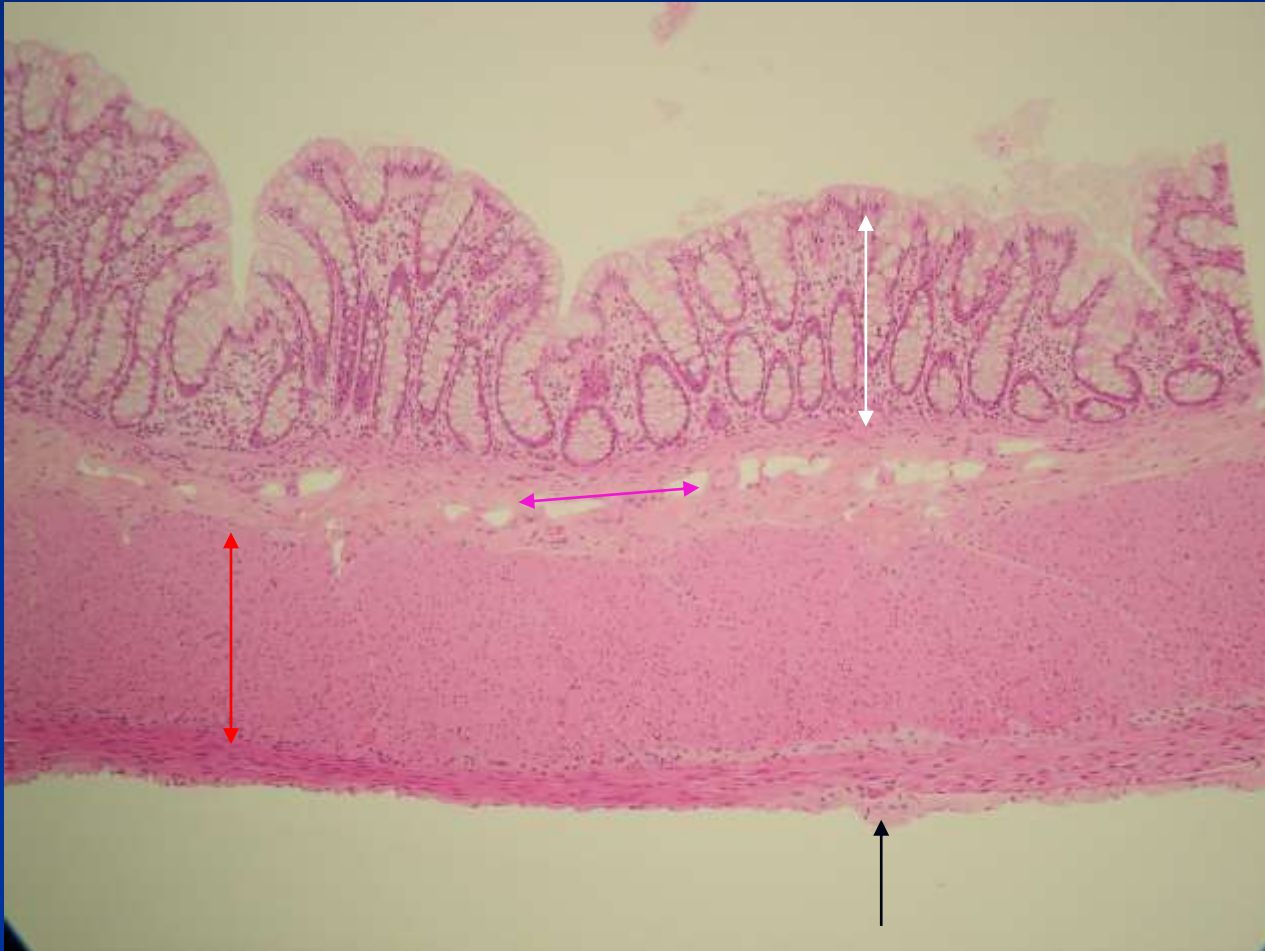


Large intestine

solitary nodule in colon



colon



Simple tubular gland in colon Crypt of Lieberkuhn=

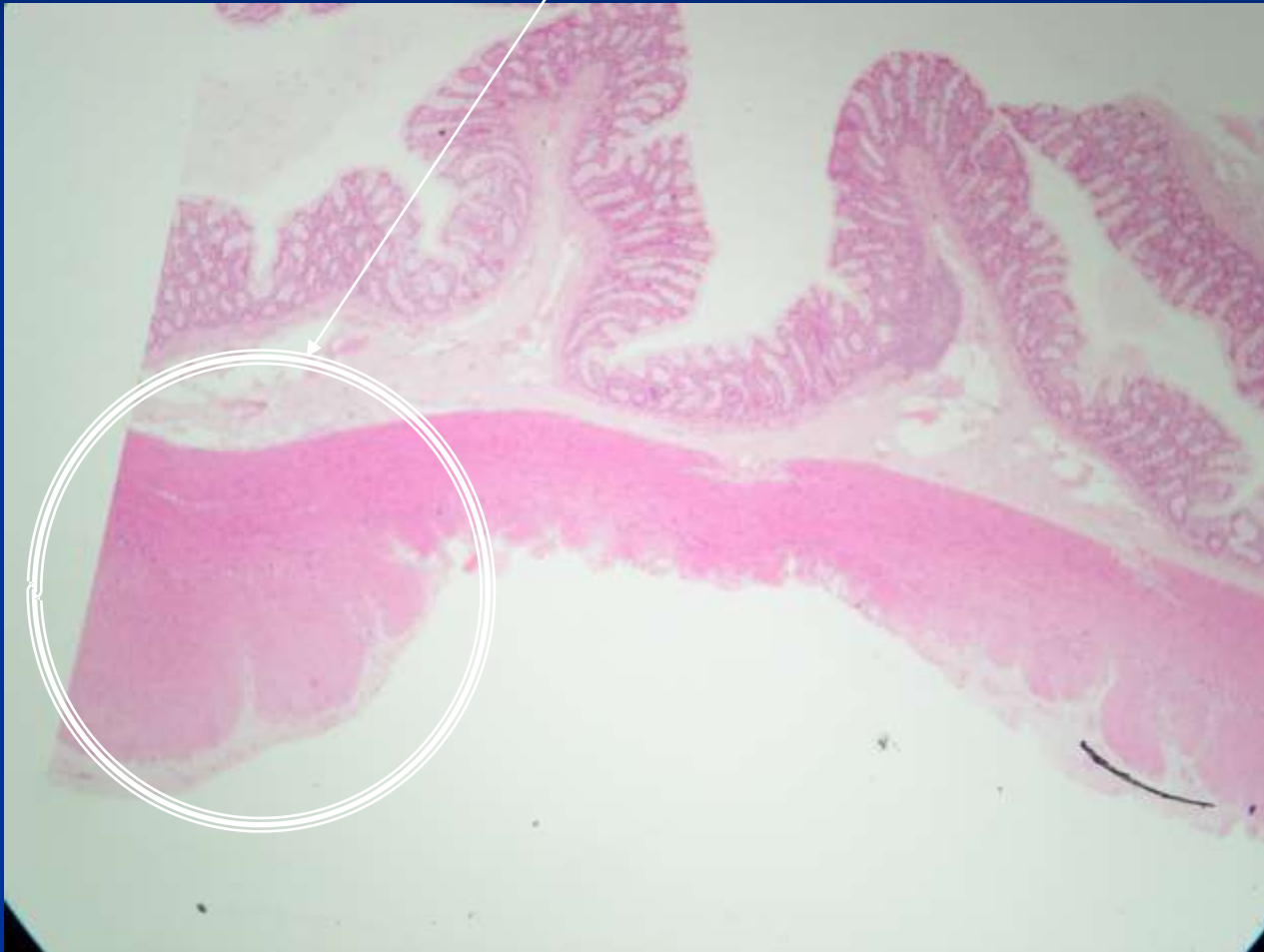


surface cell

Goblet cells



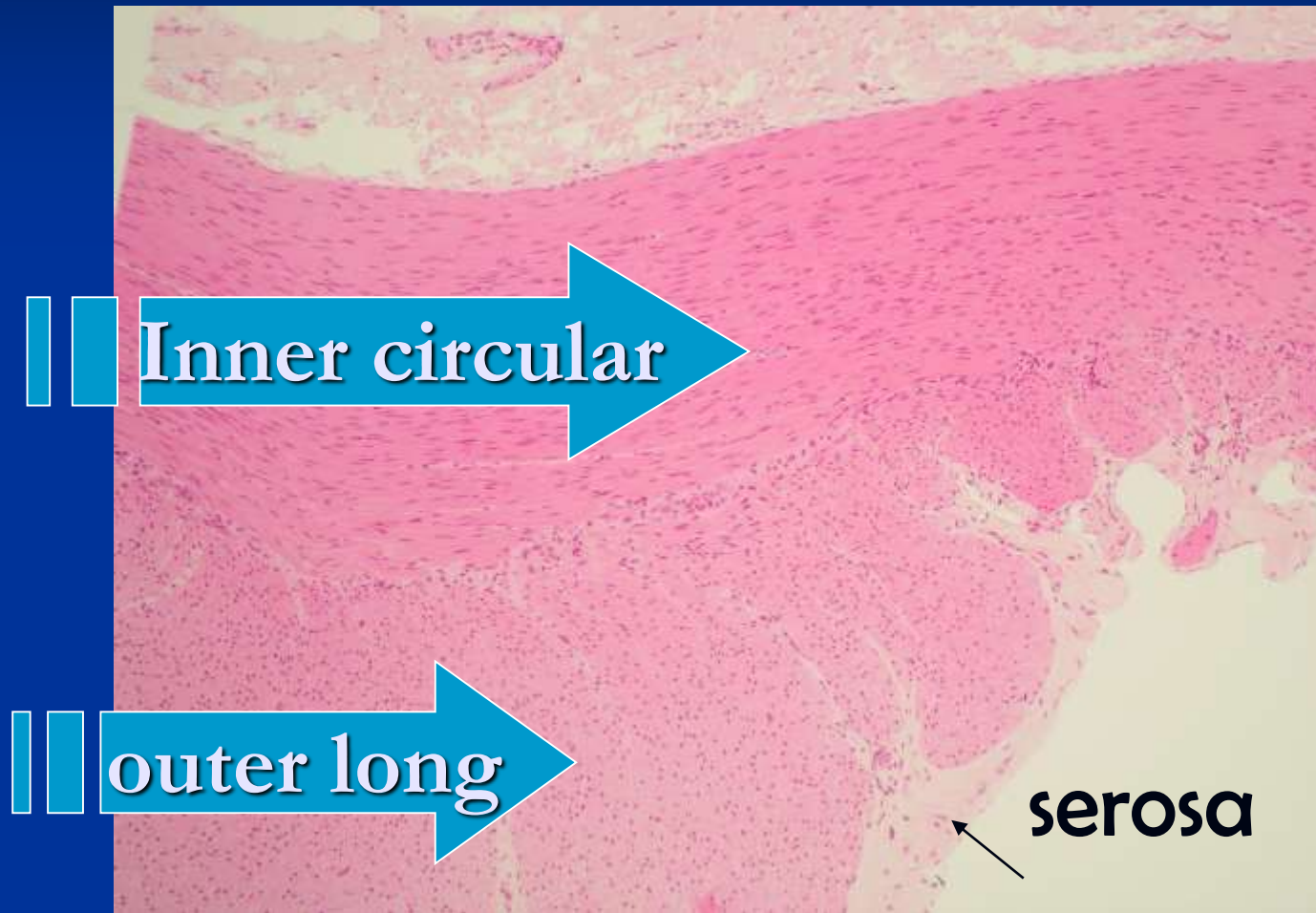
Taeniae coli



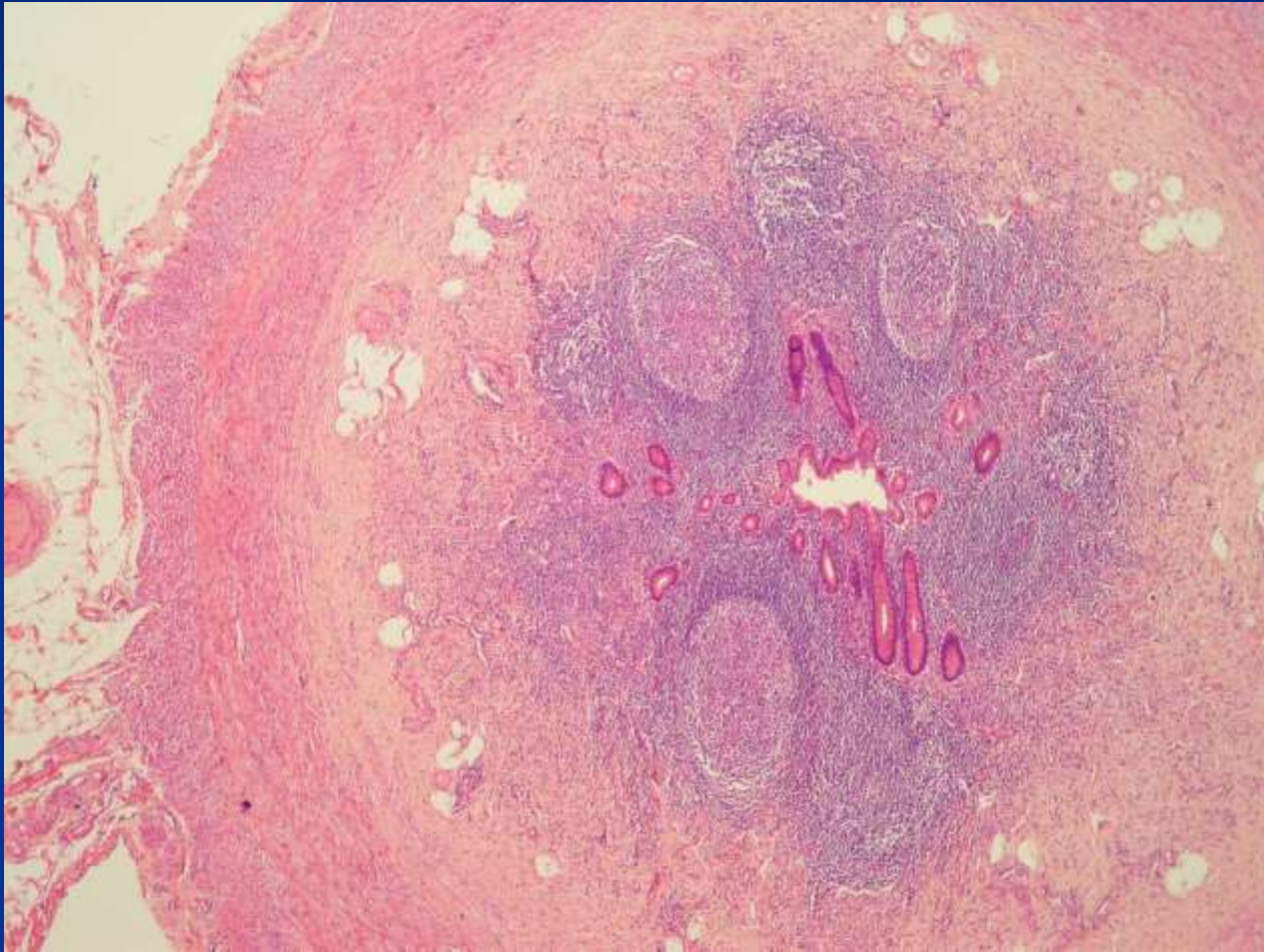
Inner circular

outer long

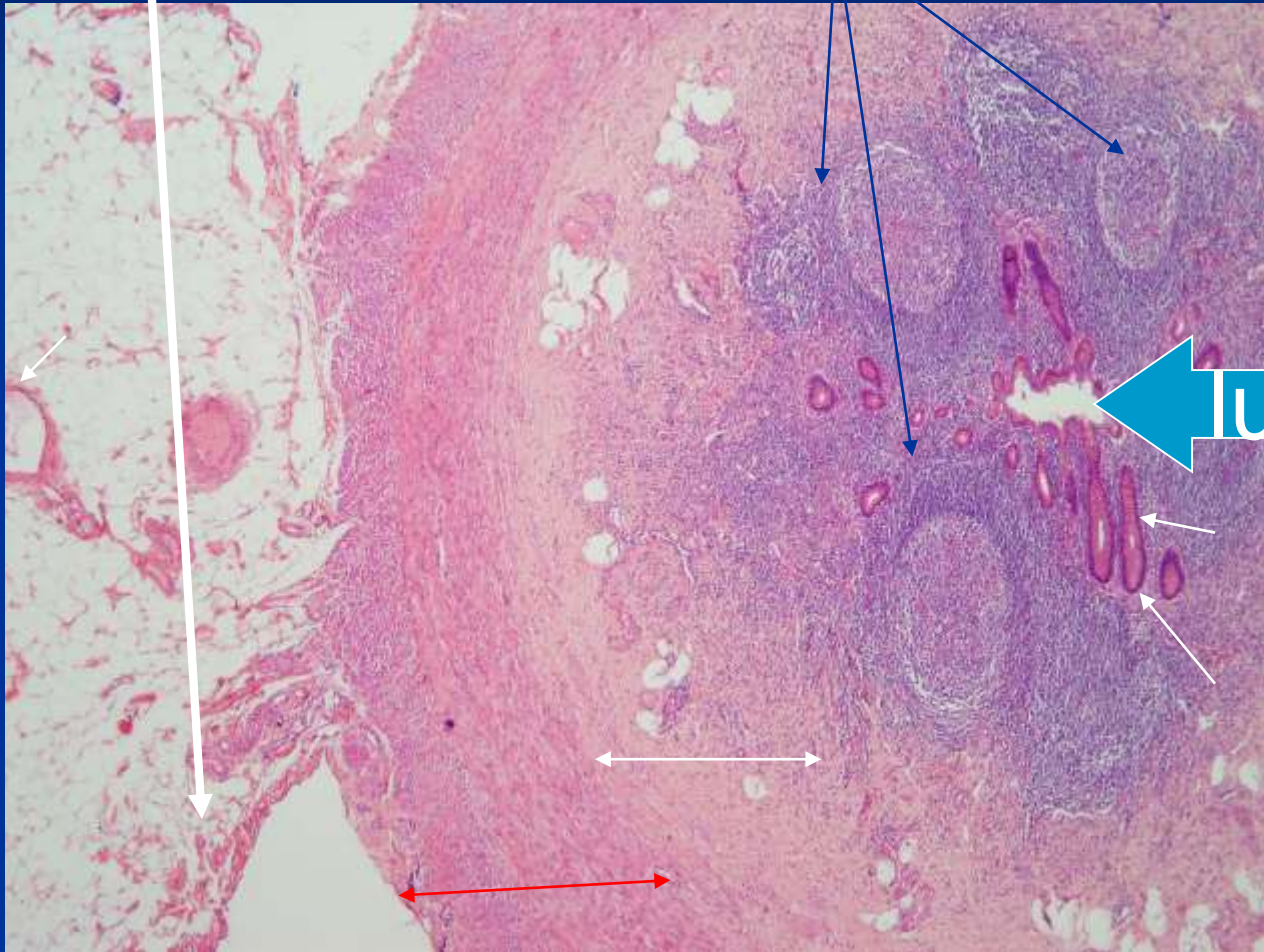
smooth muscle.



Appendix

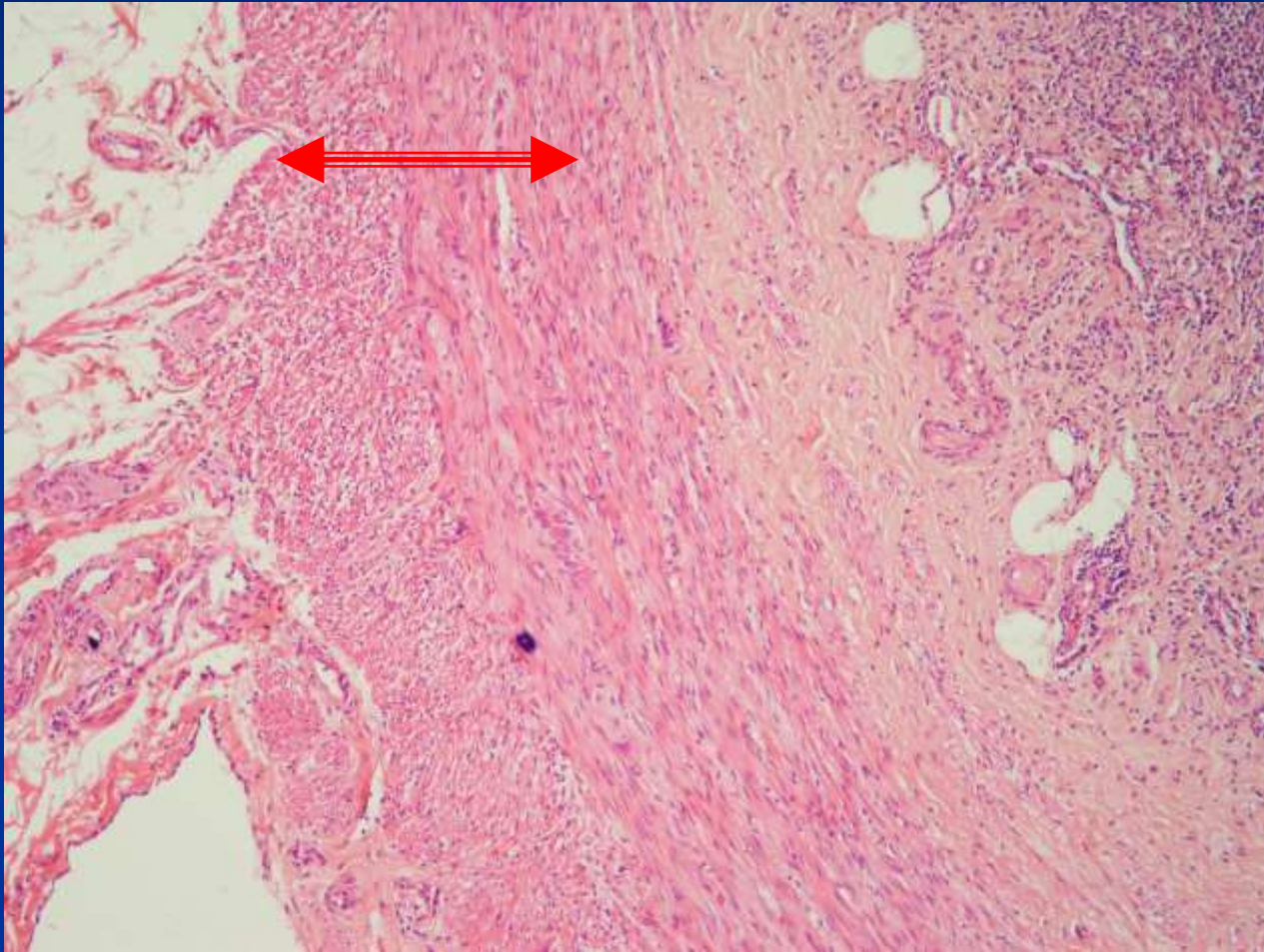


Mesoappendix lymph. Nodu. Crypt of Lieberkuhn

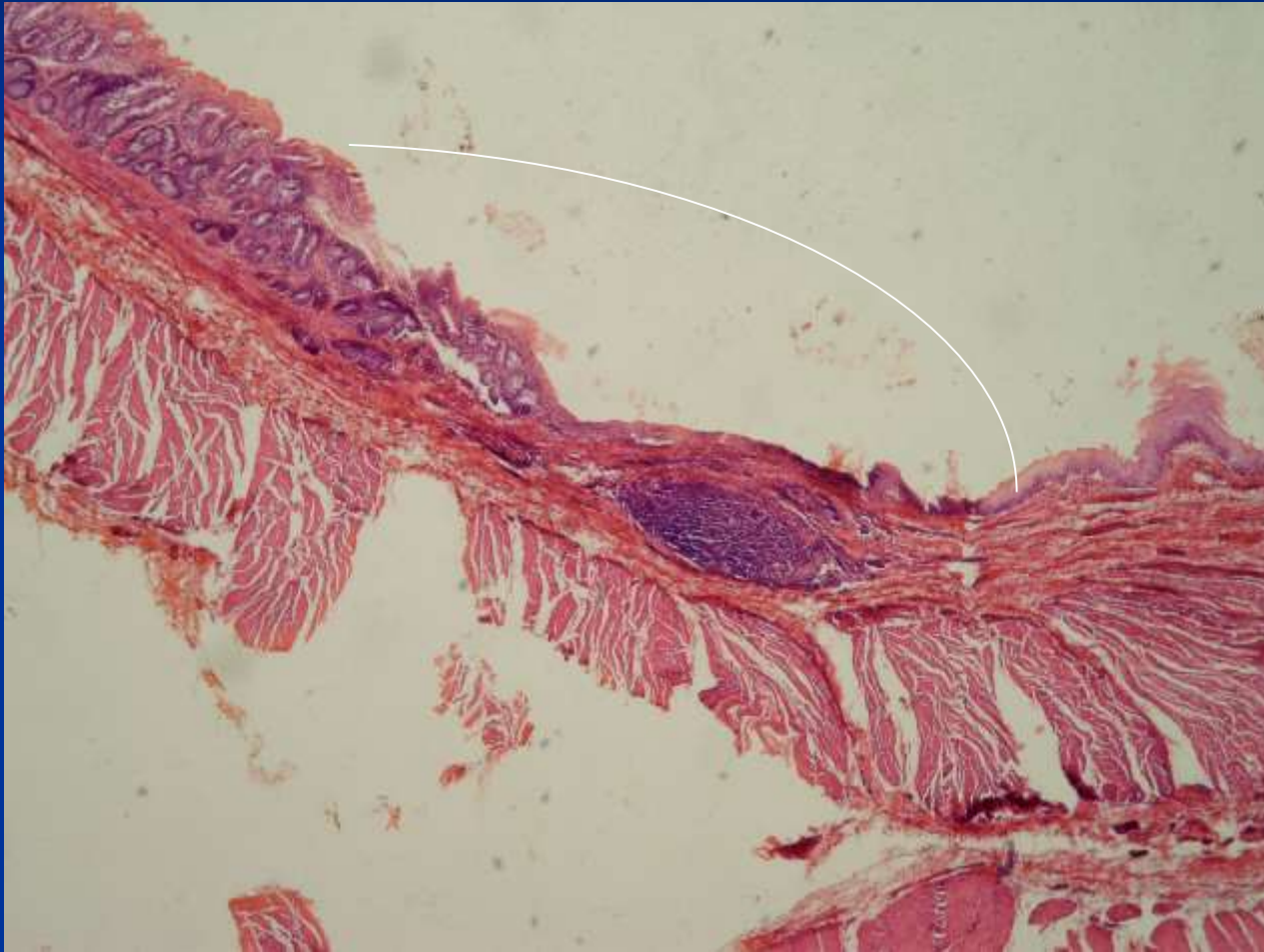


lumen

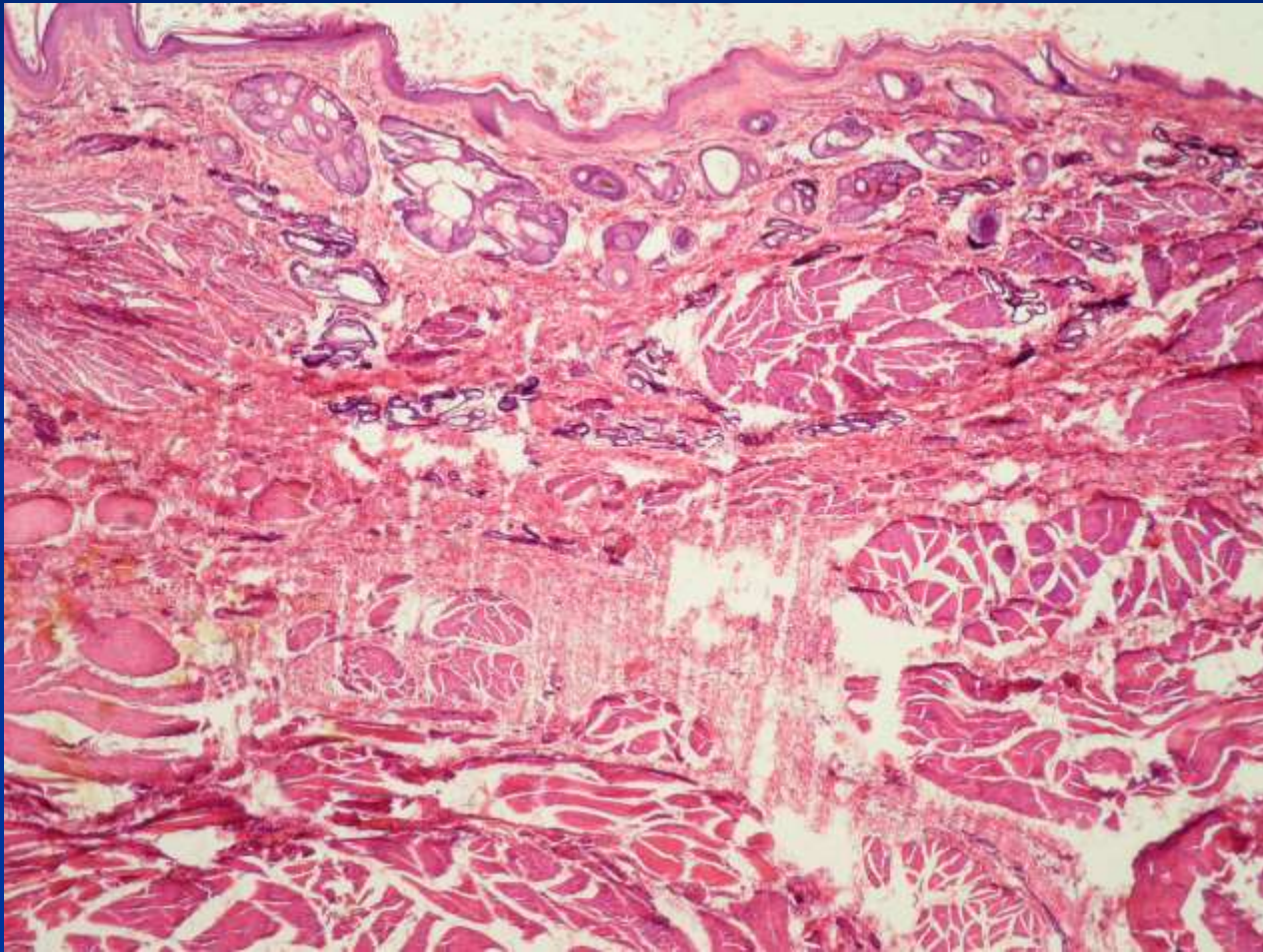
Mu.x.



Rectoanal junction

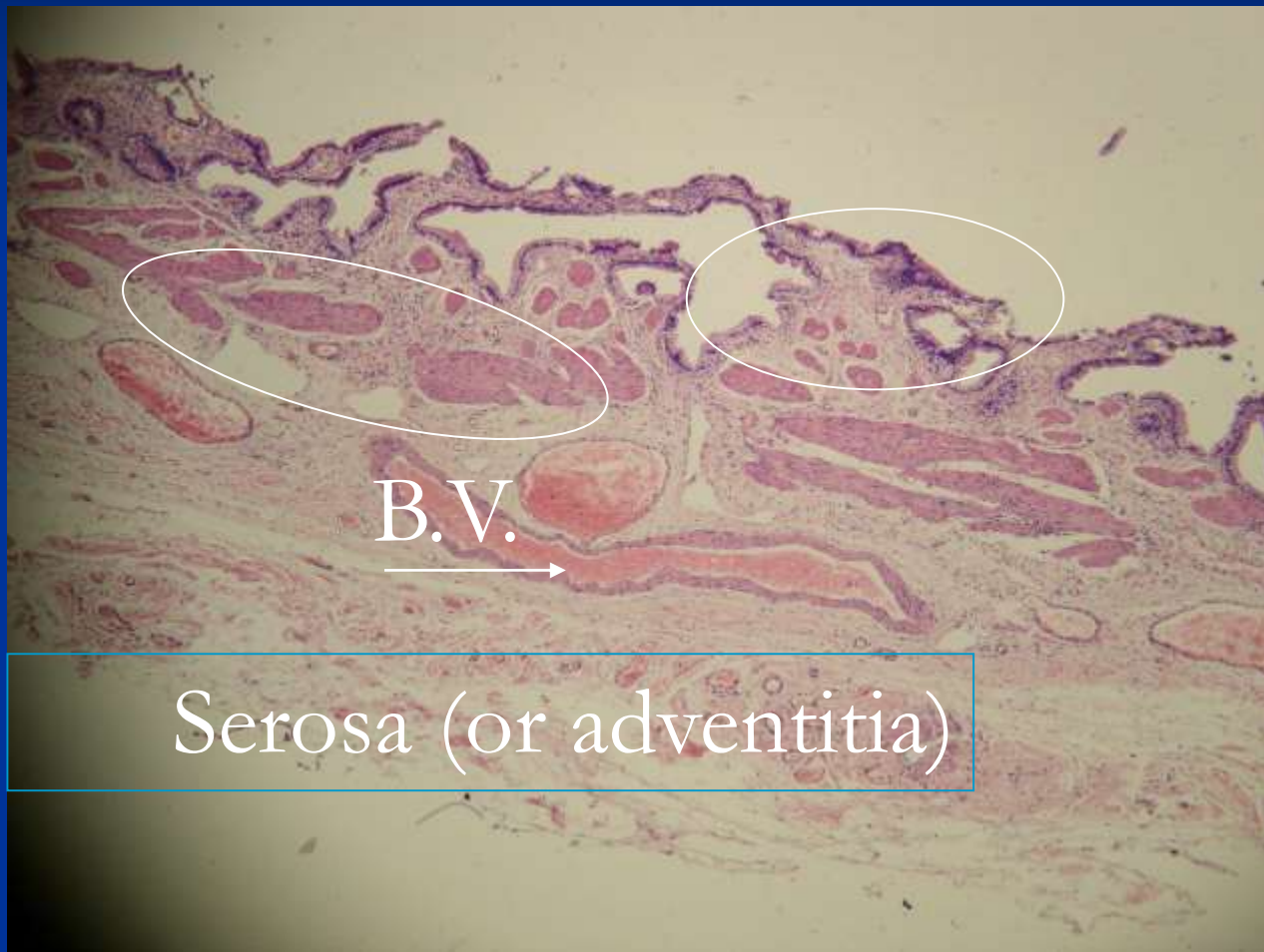


Lower anal canal

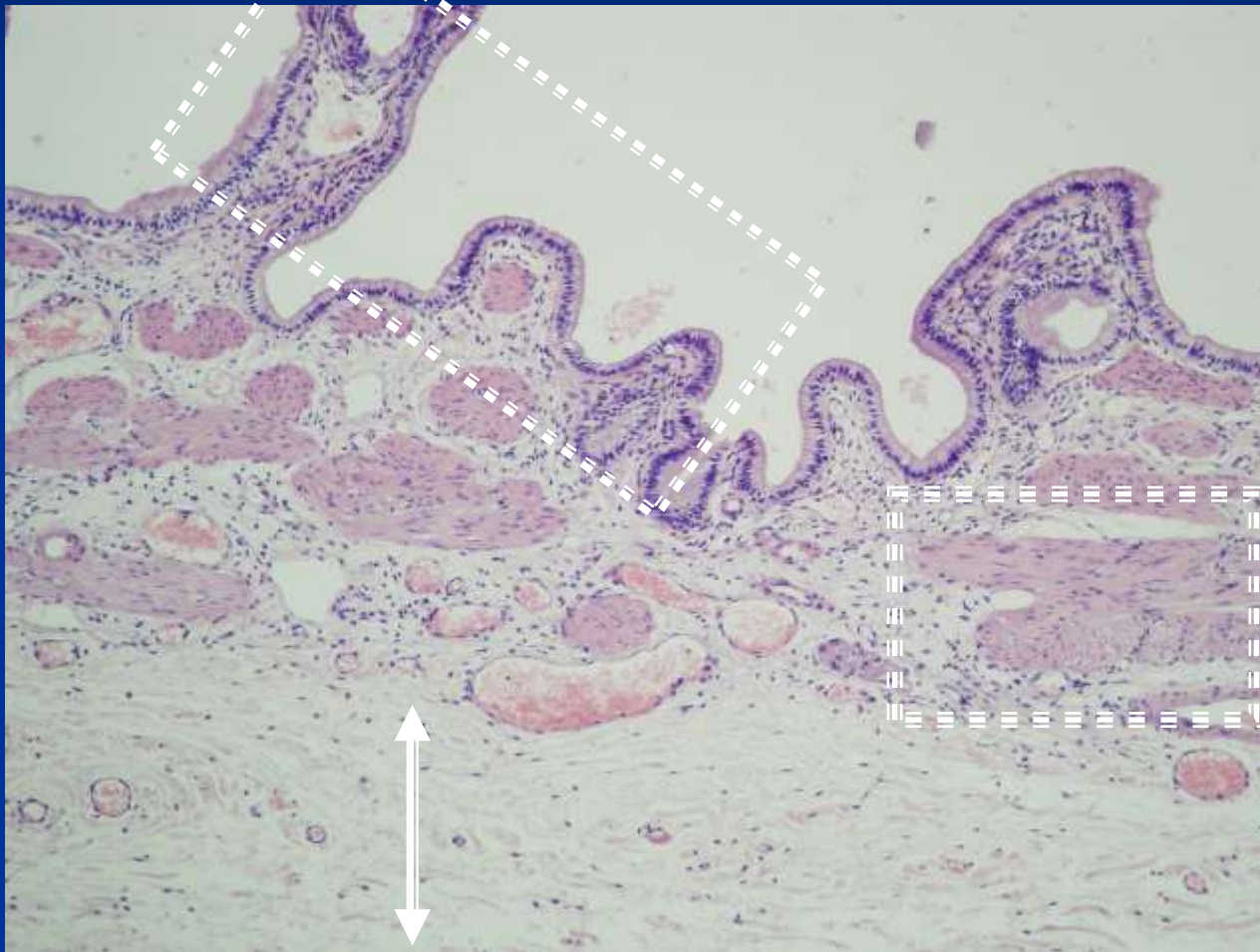


Gallbladder

Honey comb folding musc. Bundles within lamina propria

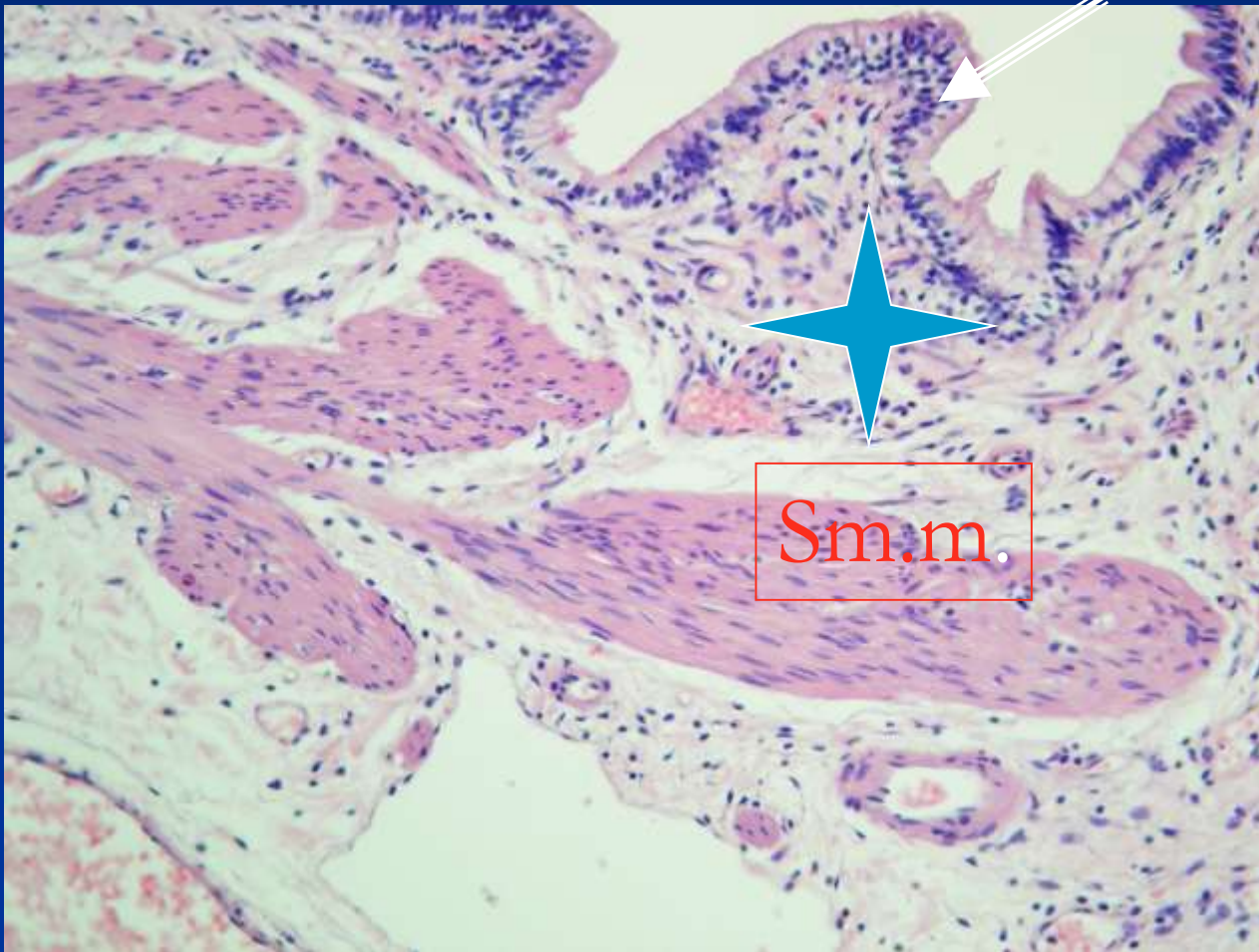


Honey comb folding mucosa musc. Bundles within lamina propria

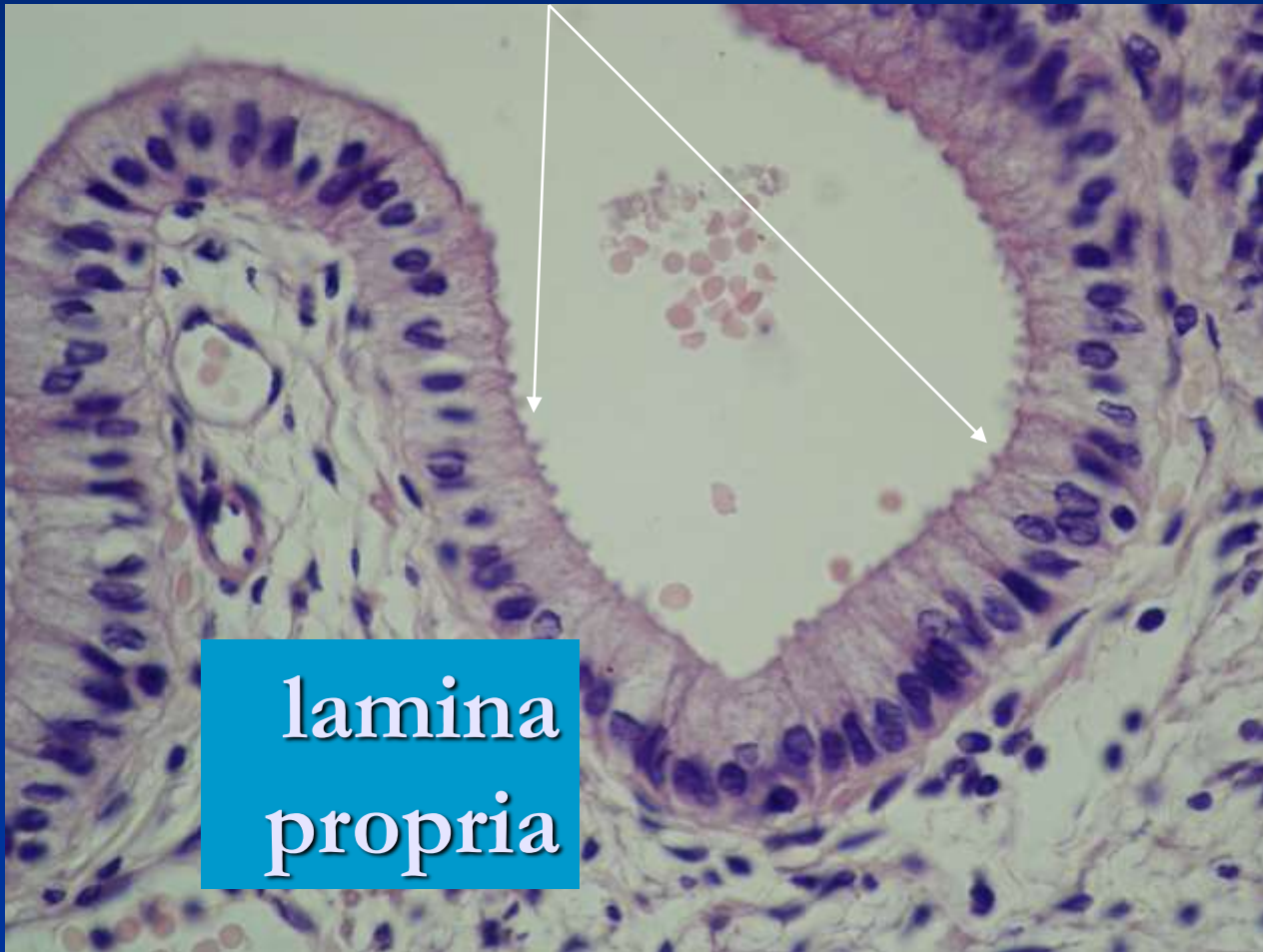


✦ lamina propria

Ep.



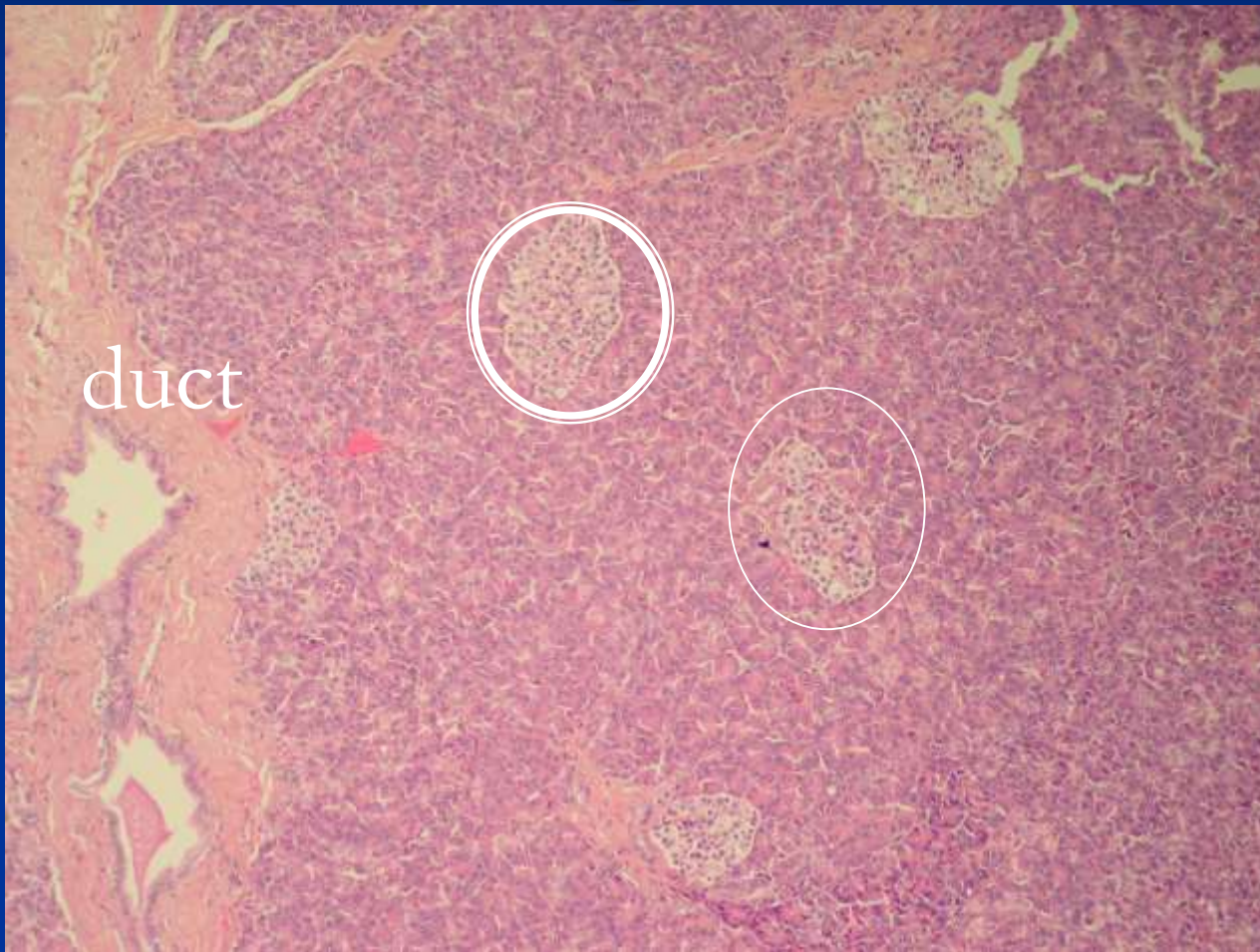
Simple columnar epithelium



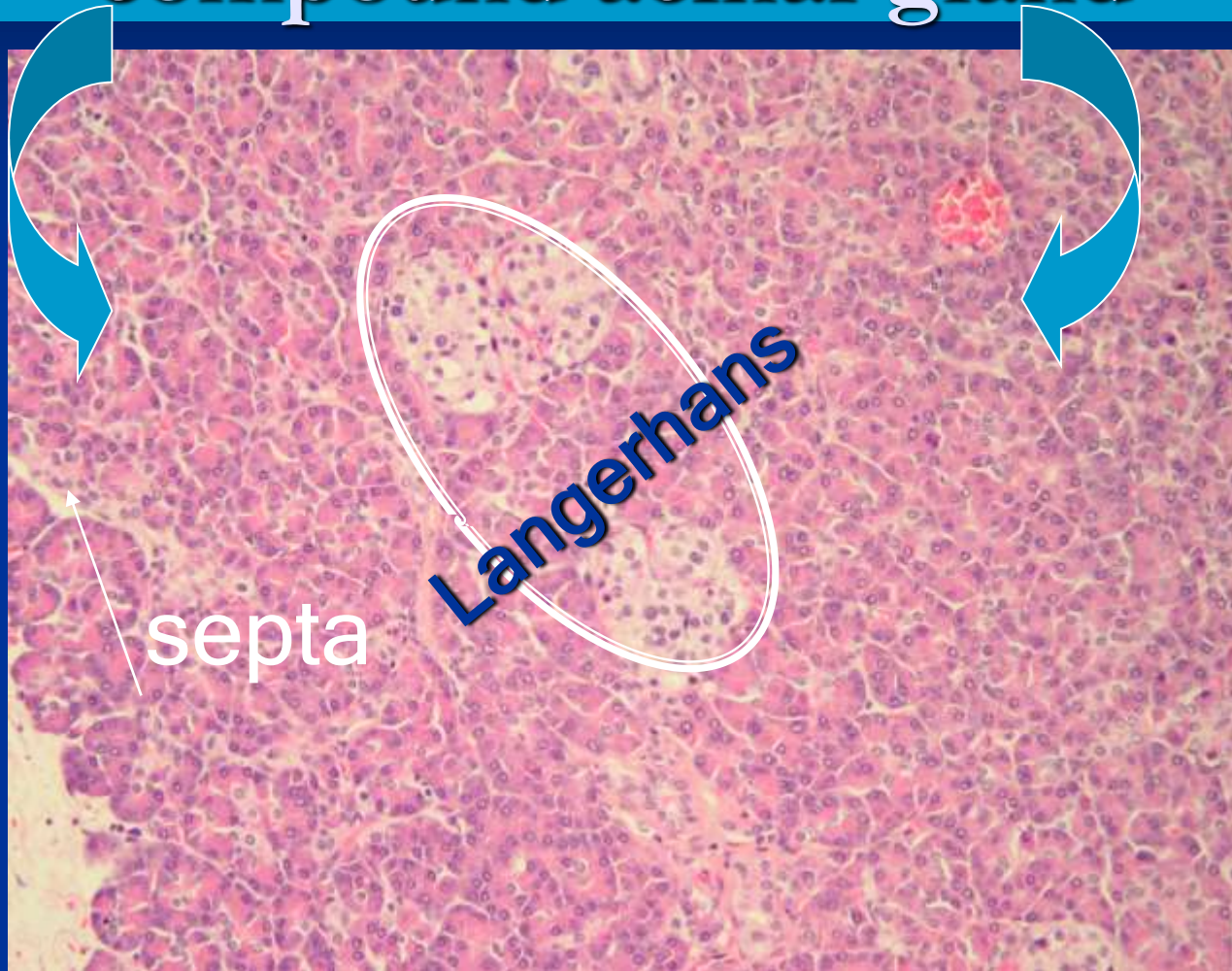
Pancreas

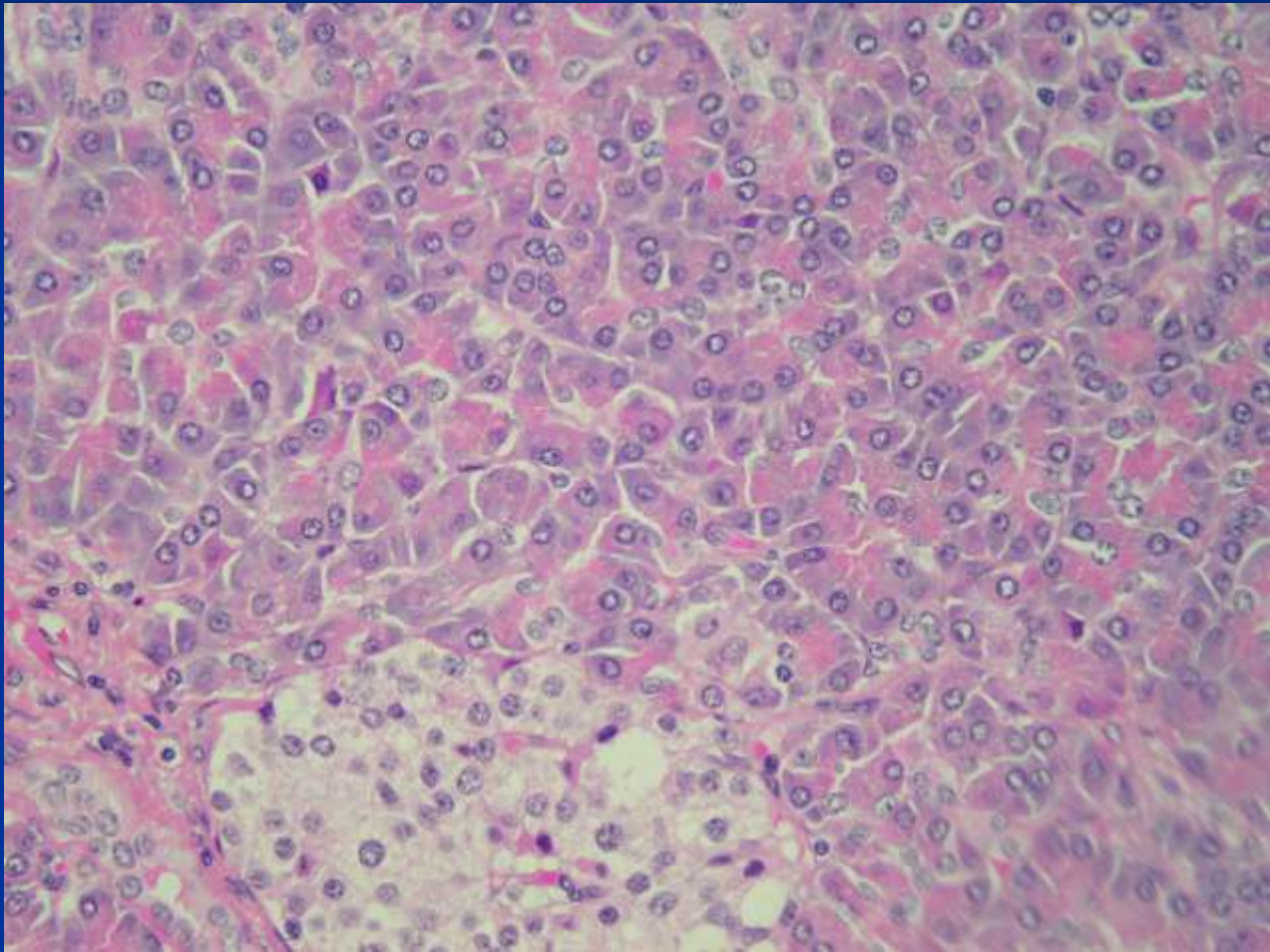
Mixed endocrine-exocrine gland

Islet of Langerhans



Exocrine pancreatic portion: compound acinar gland

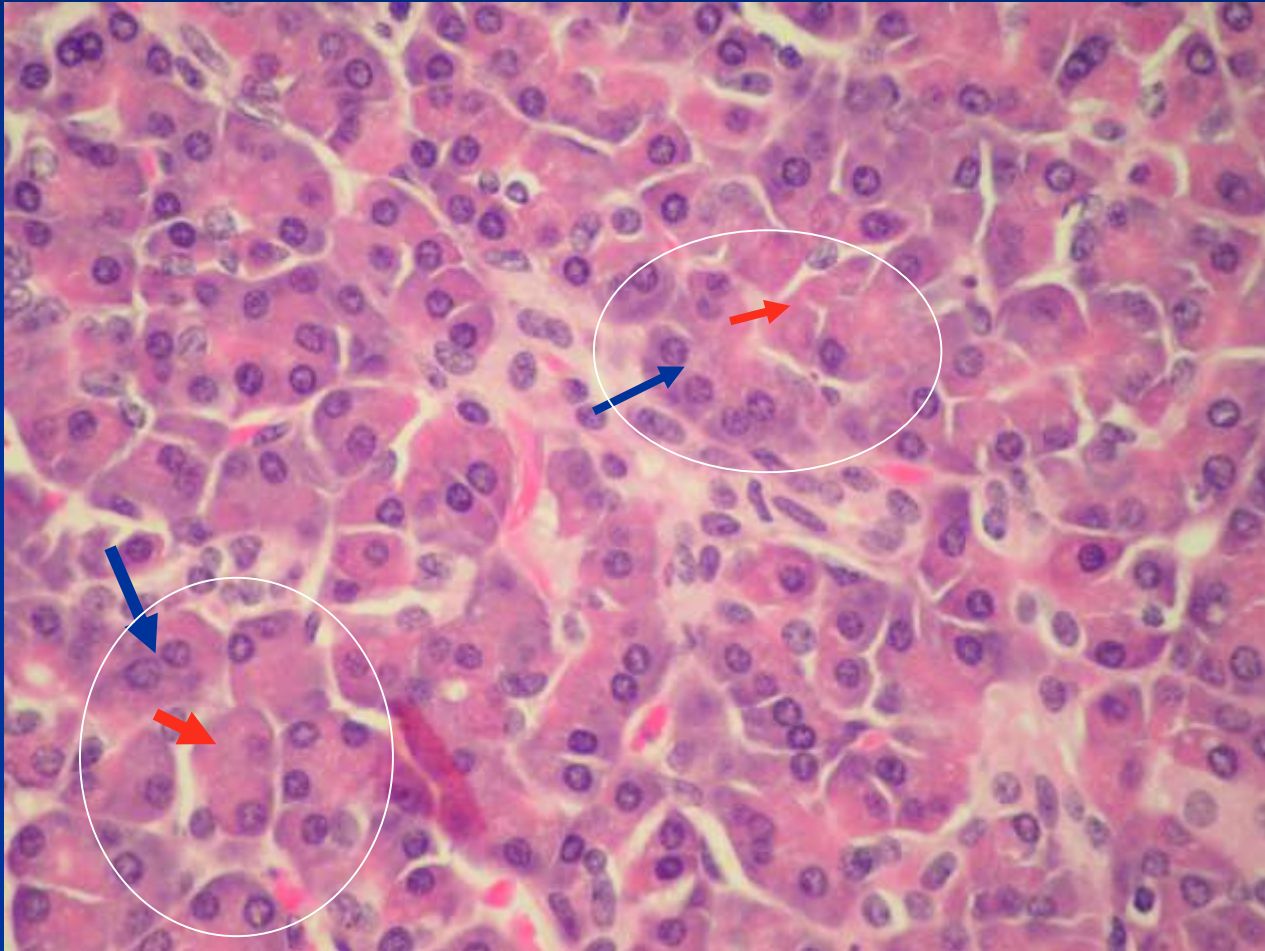




pancreatic Serour acini:
protein secretory cells



Zymogenic granules basophilic cell cytoplasm

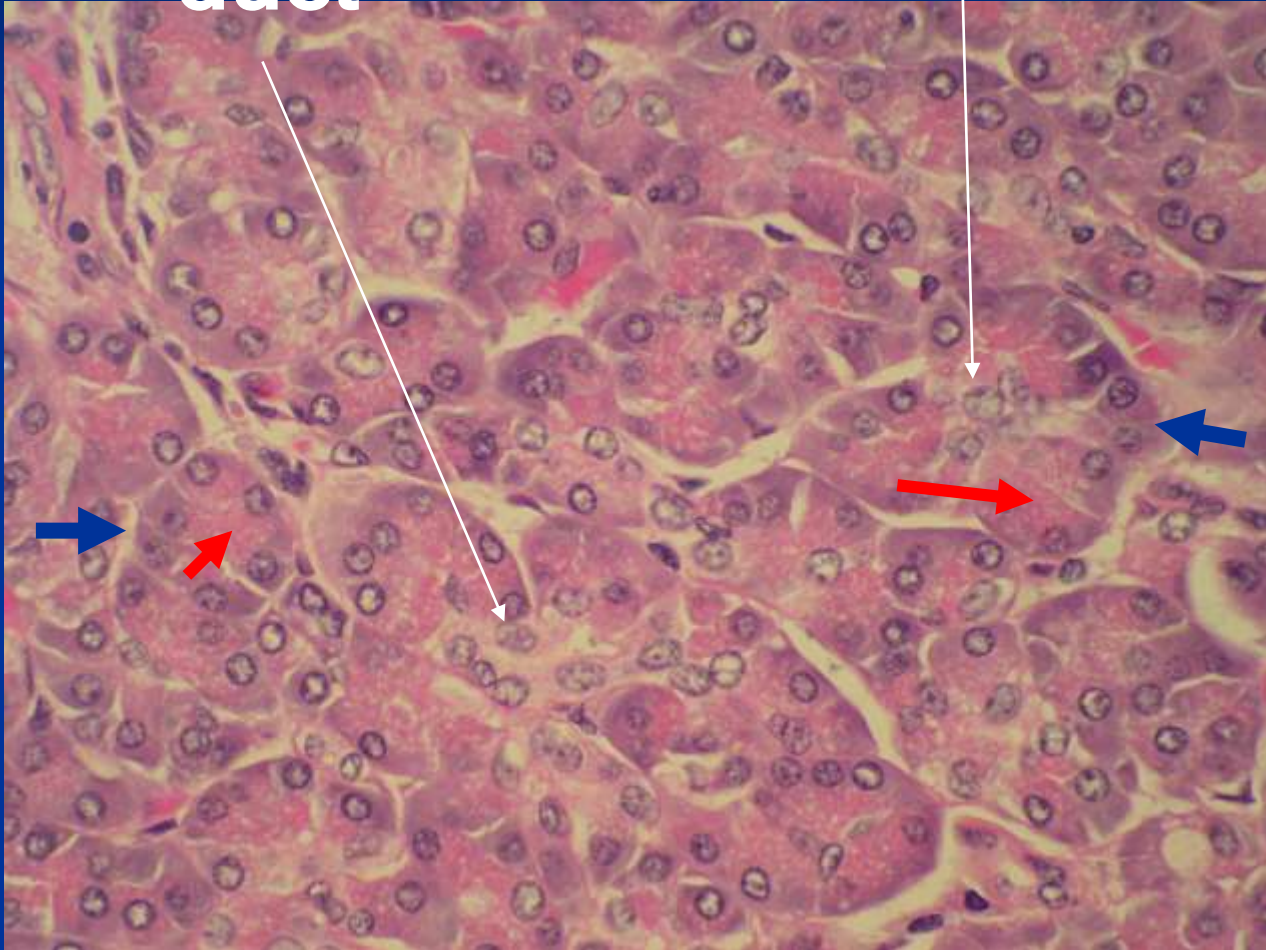


Inter
calated
duct

Centroacinar cells

Secretory
granules

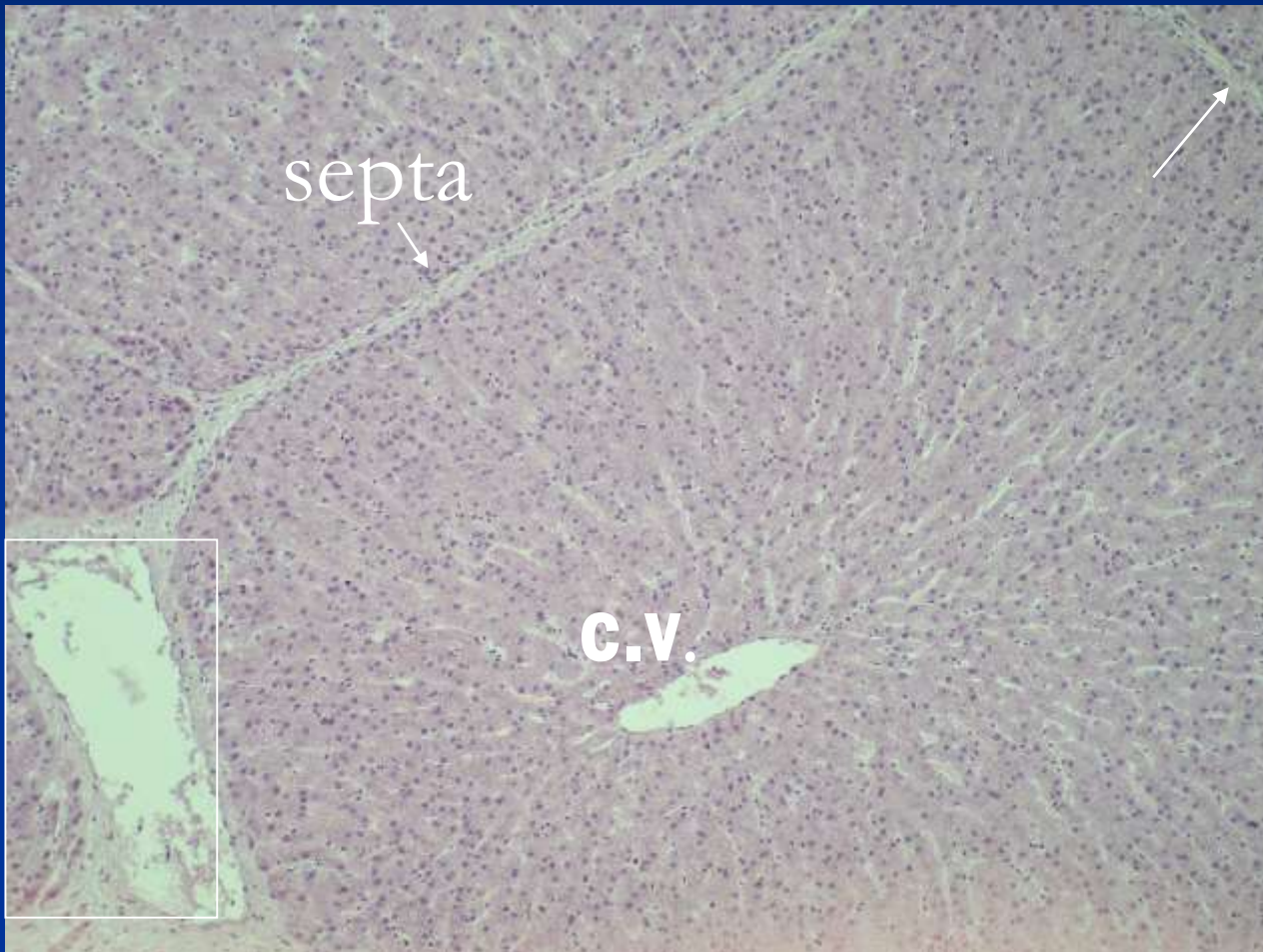
r-ER



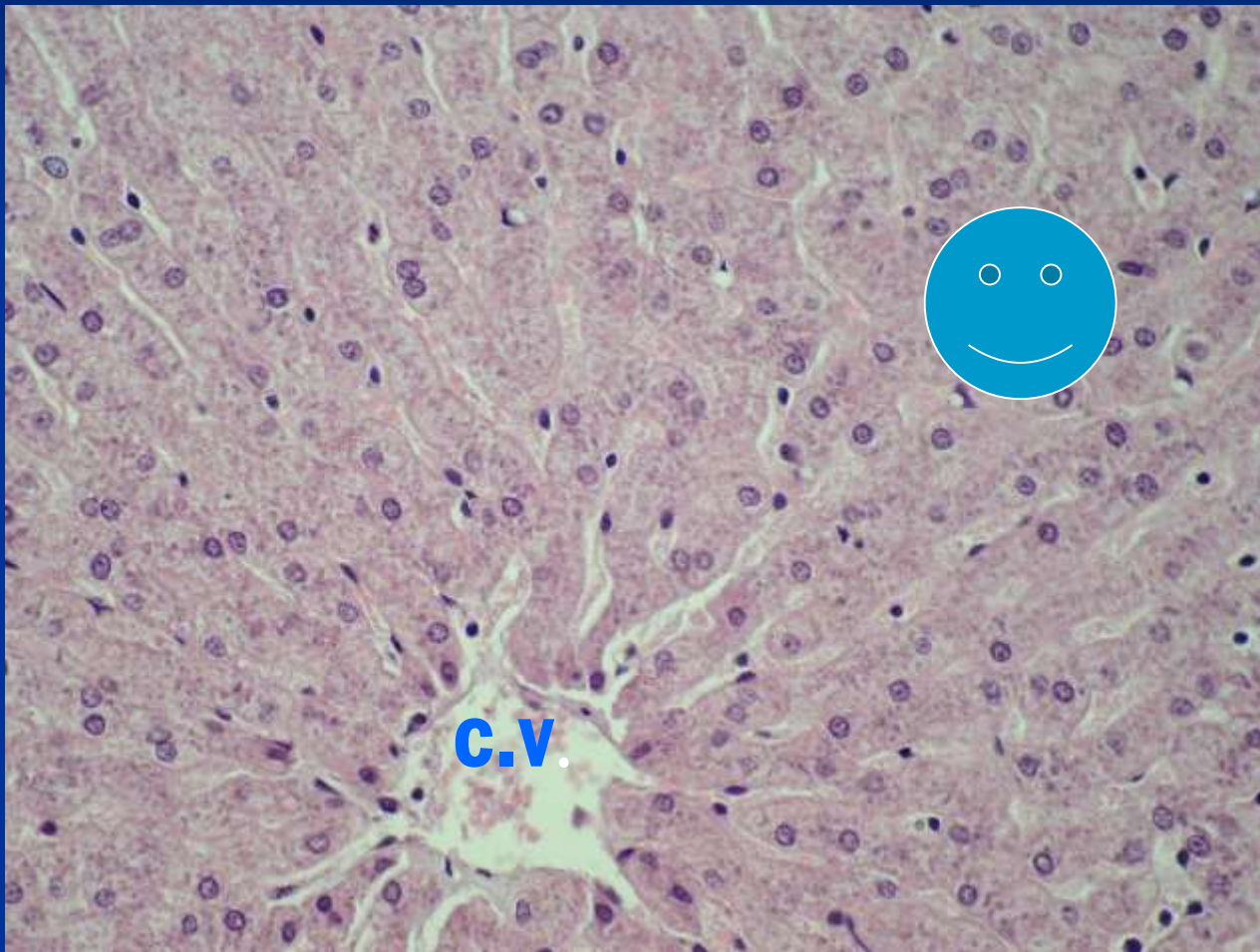
The Liver

Animal liver glisson's capsule

Portal
space

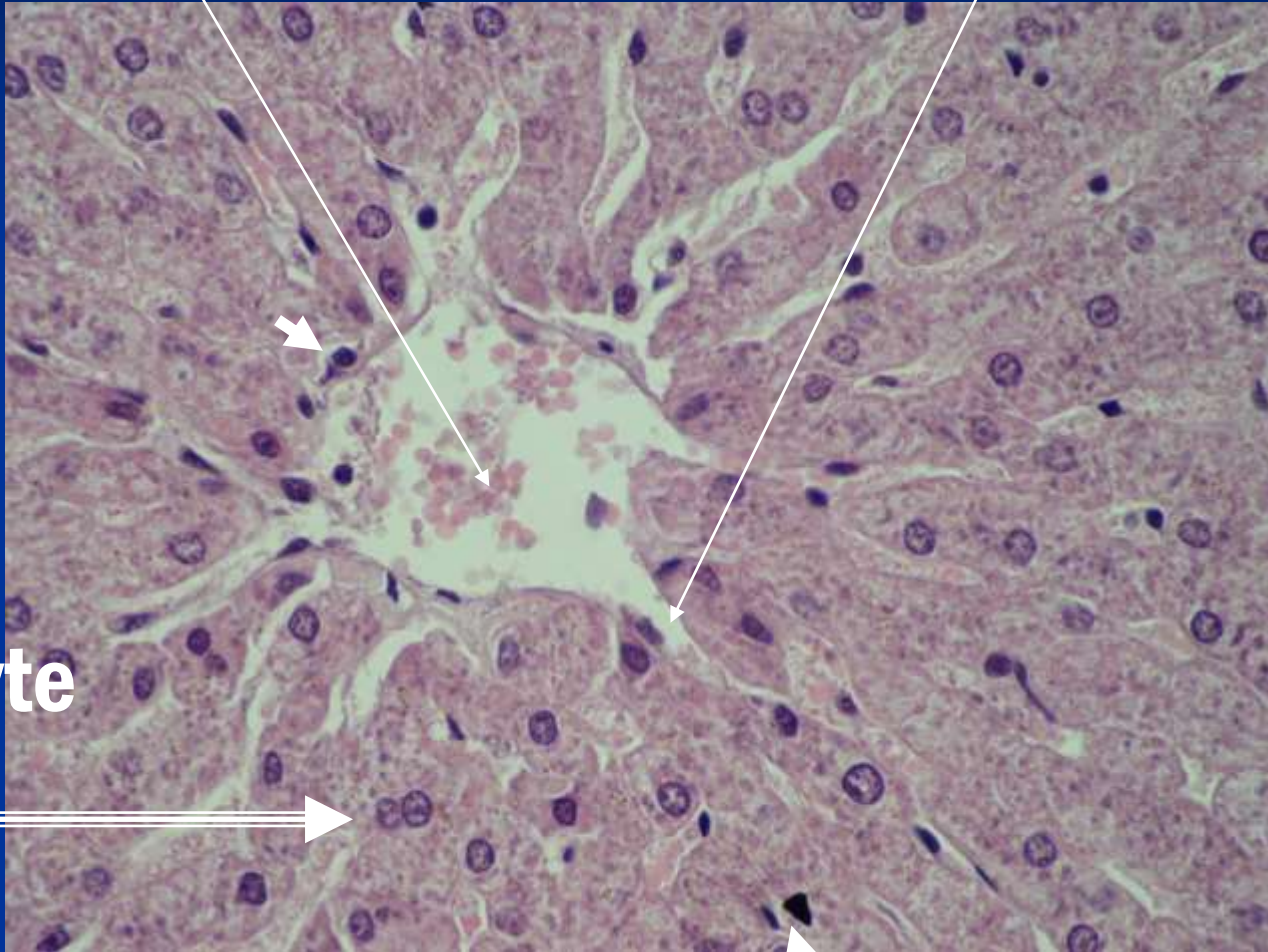


Parenchyma portion



Central vein

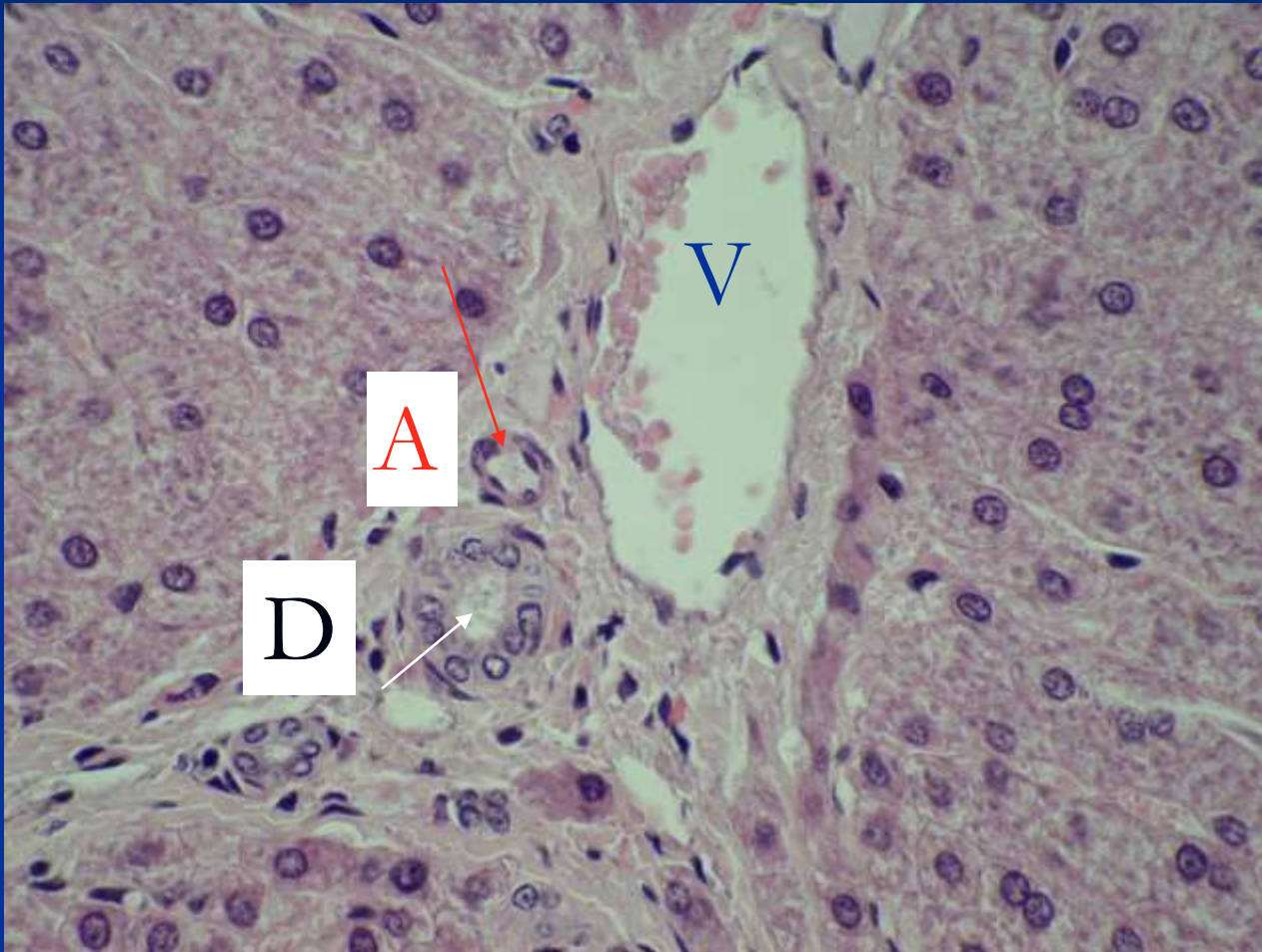
Sinusoid(endothelium)



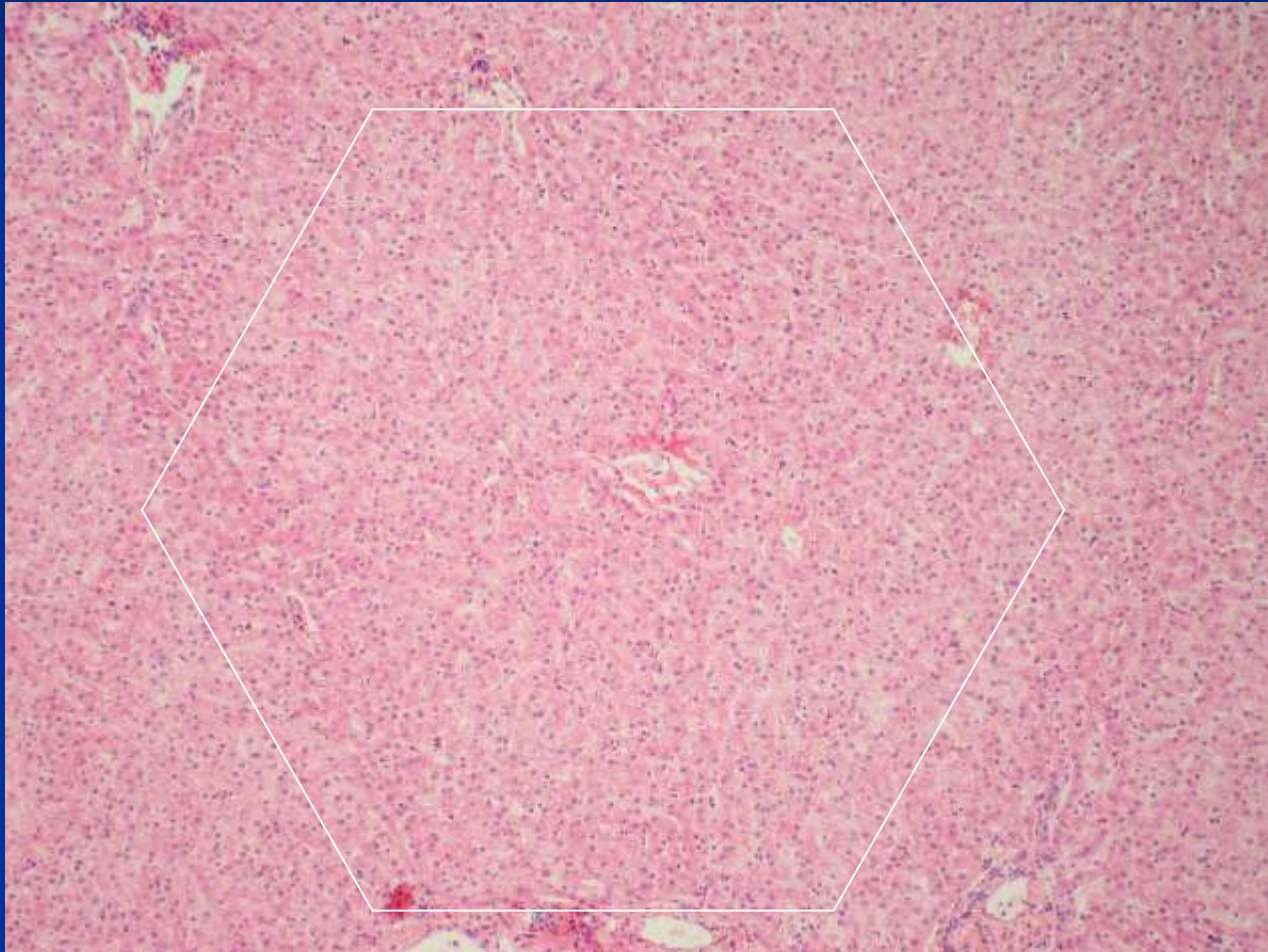
hepatocyte

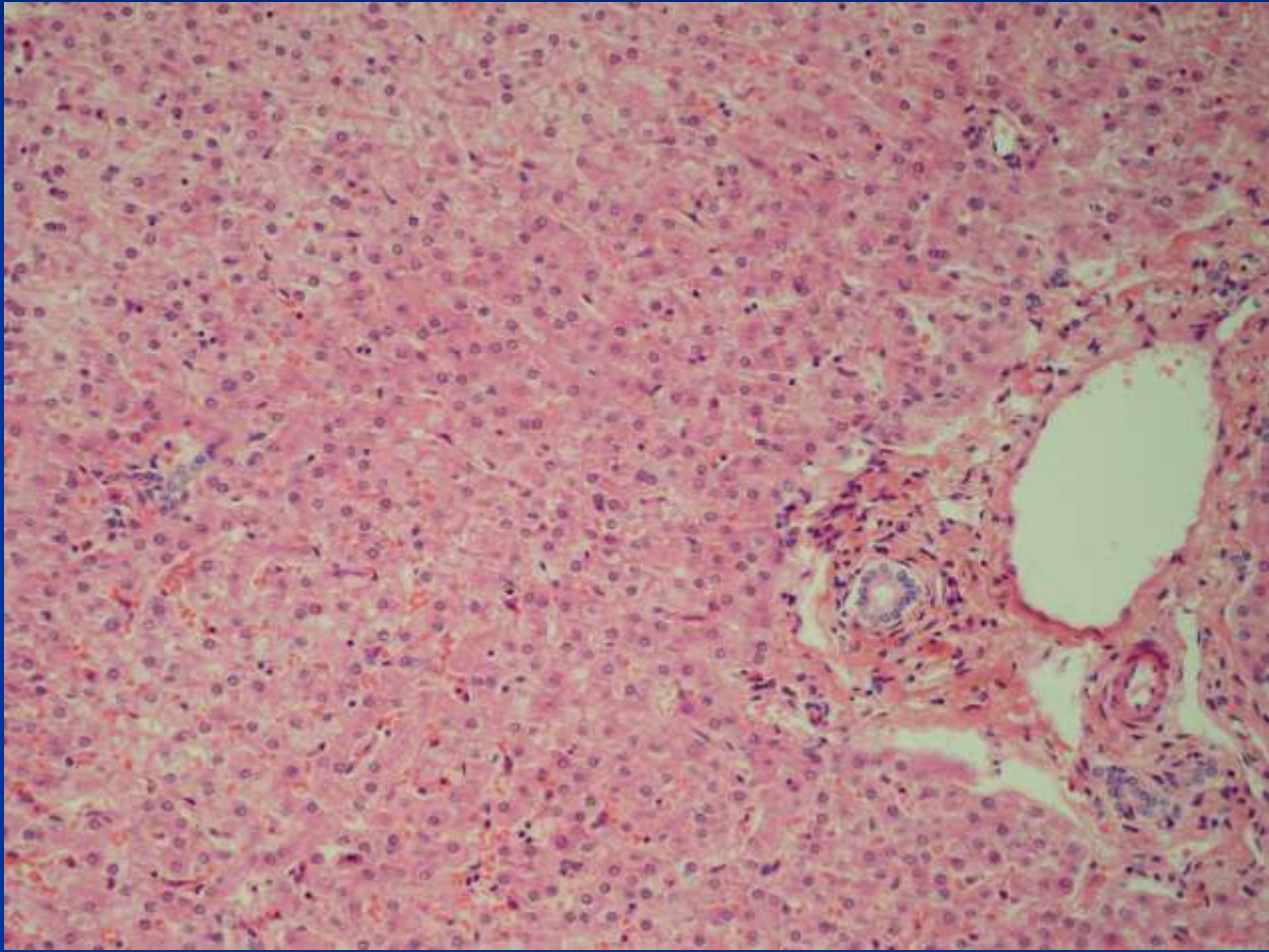
Kupffer Cell

Portal vein hepatic artery bile duct

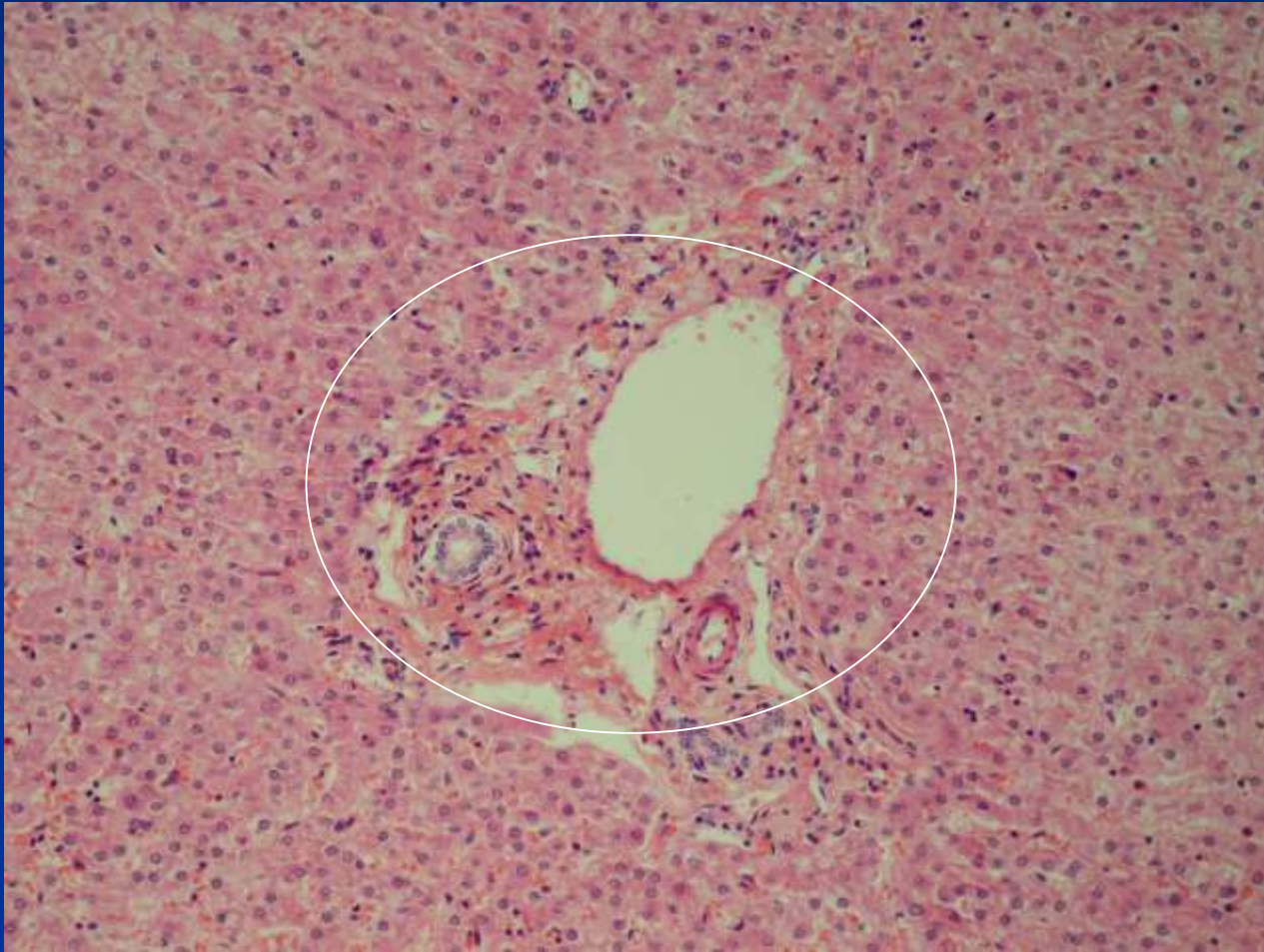


Human Liver



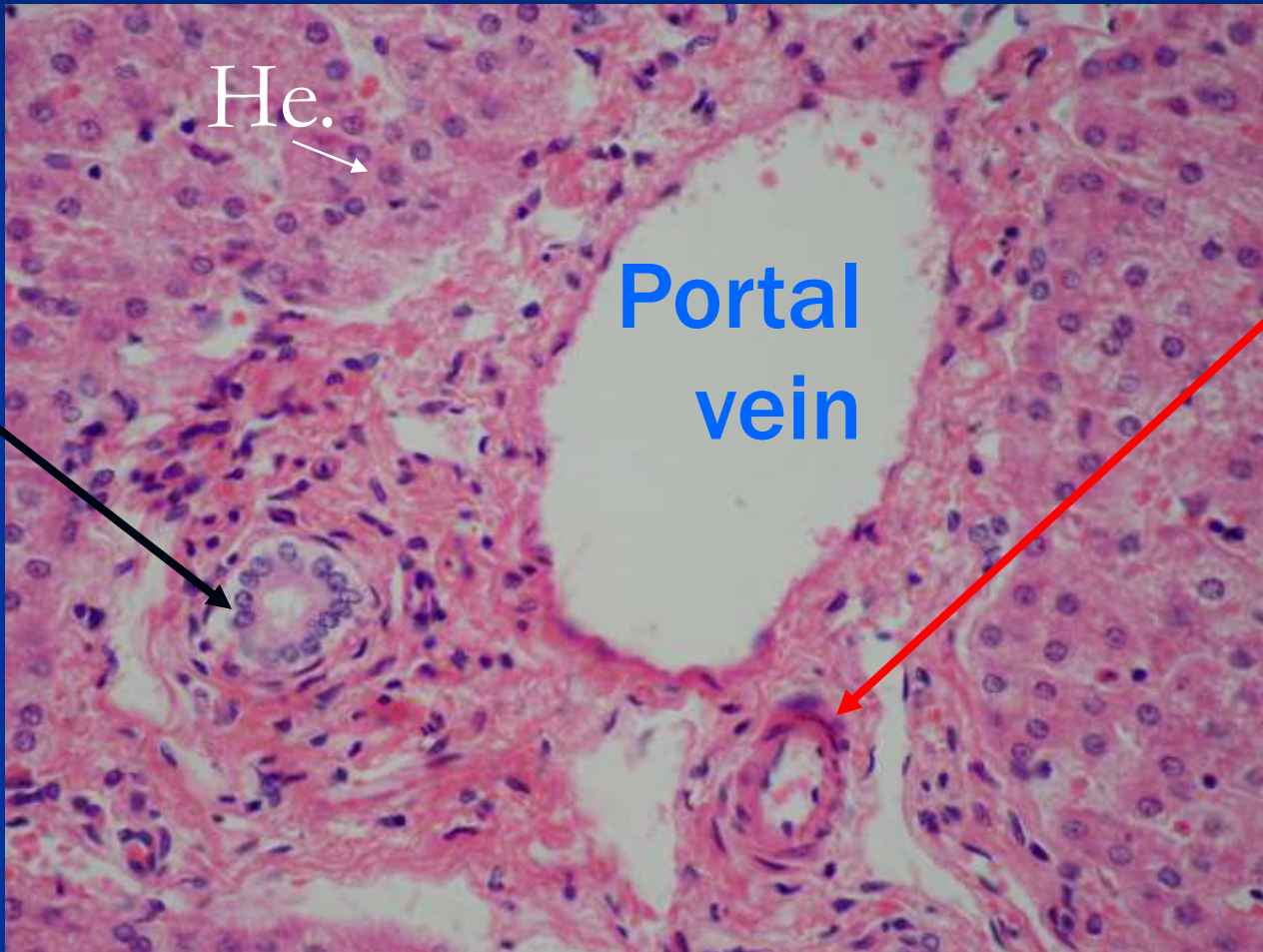


Portal space

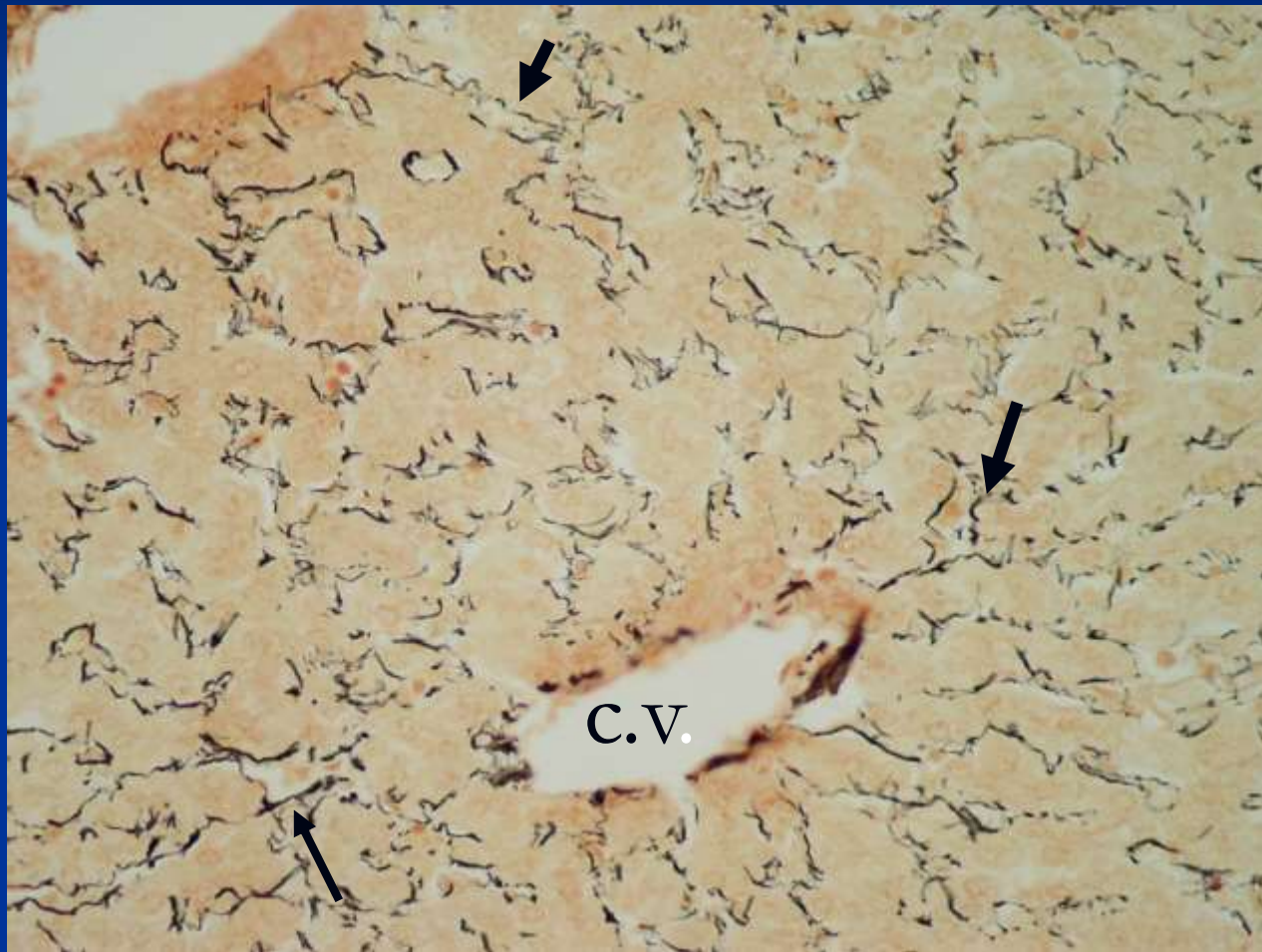


bile duct

hepatic artery



Silver impregnation reticular fibers



P.A.S reaction glycogen

