



NTP
National Toxicology Program

Sodium Dichromate Dihydrate Histopathology

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Laboratory of Experimental Pathology



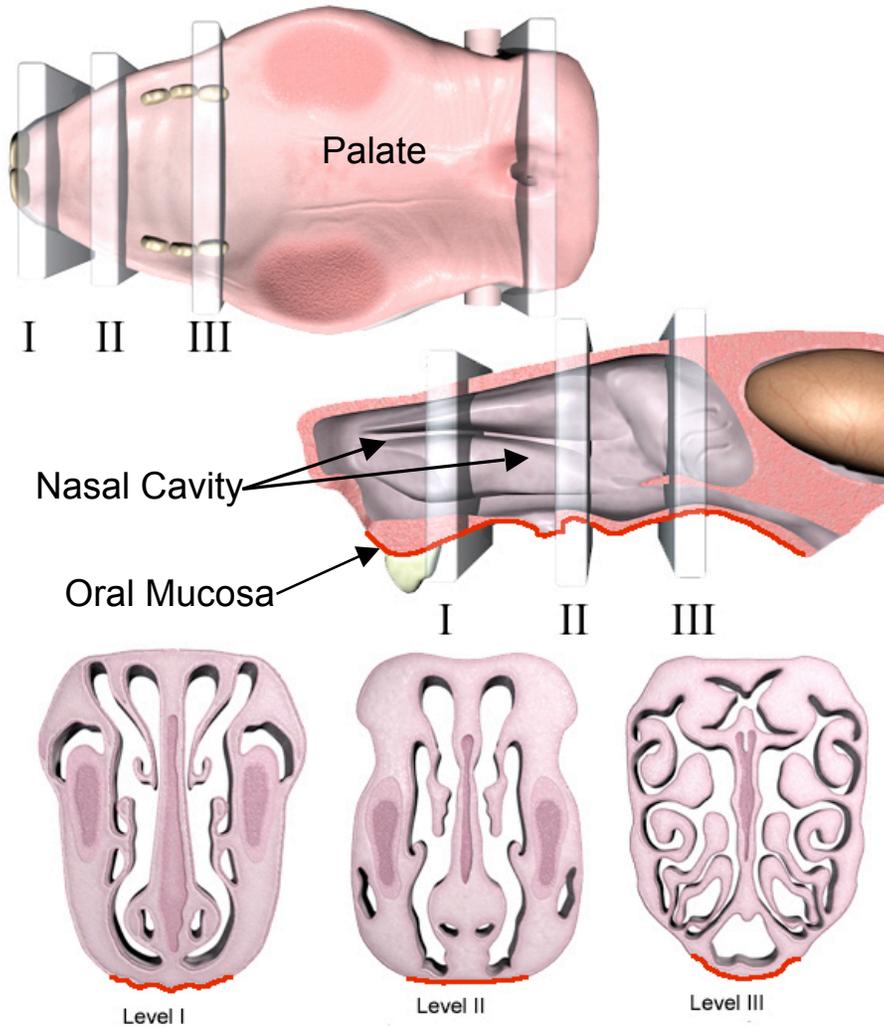


Rat Histopathology

- Squamous cell neoplasms
 - Oral Mucosa
 - Tongue
- Histiocytic infiltration
 - Duodenum
 - Pancreatic Lymph Node
 - Mesenteric Lymph Node
 - Liver

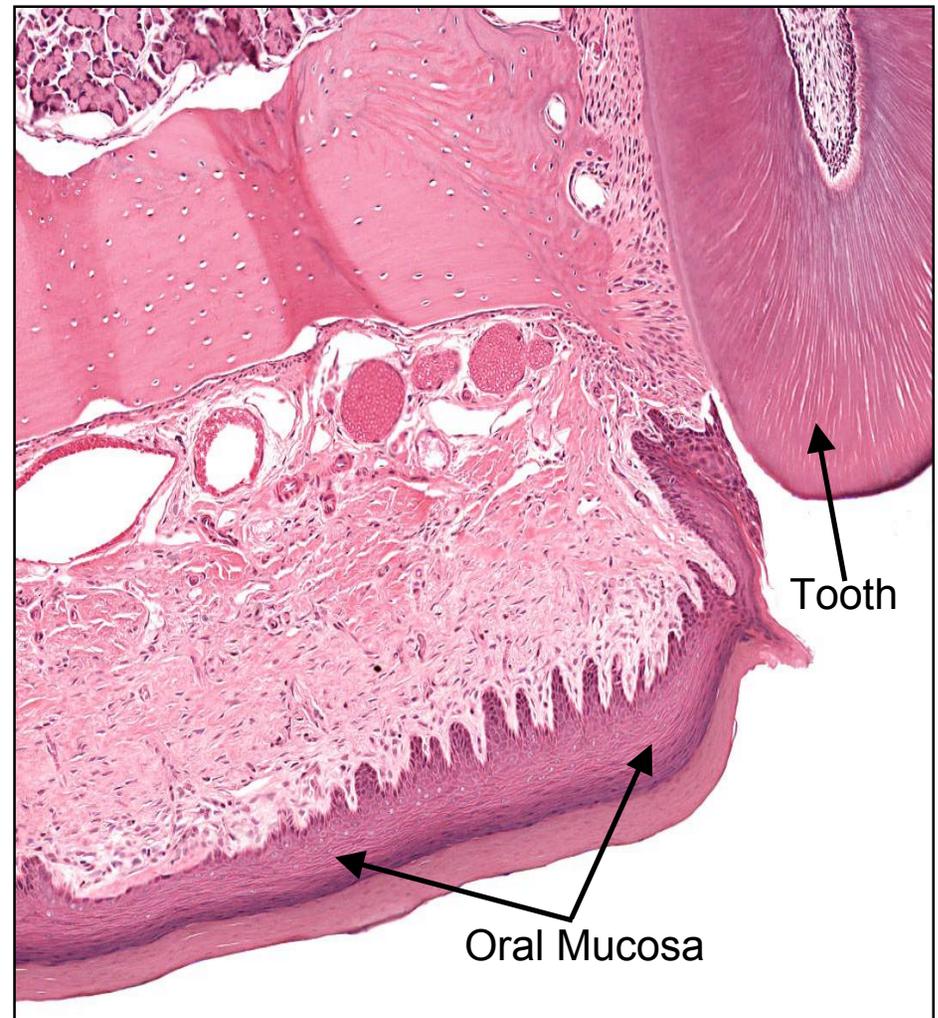
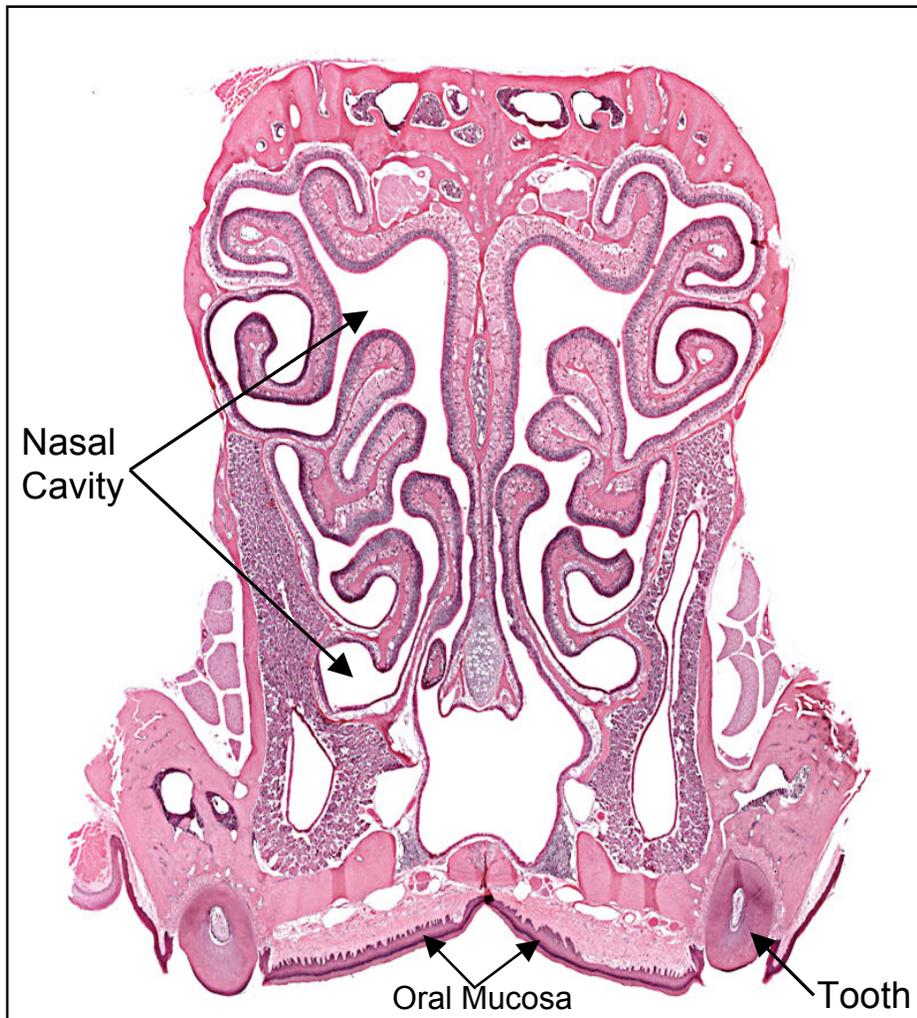


Sampling Method for the Nasal Cavity



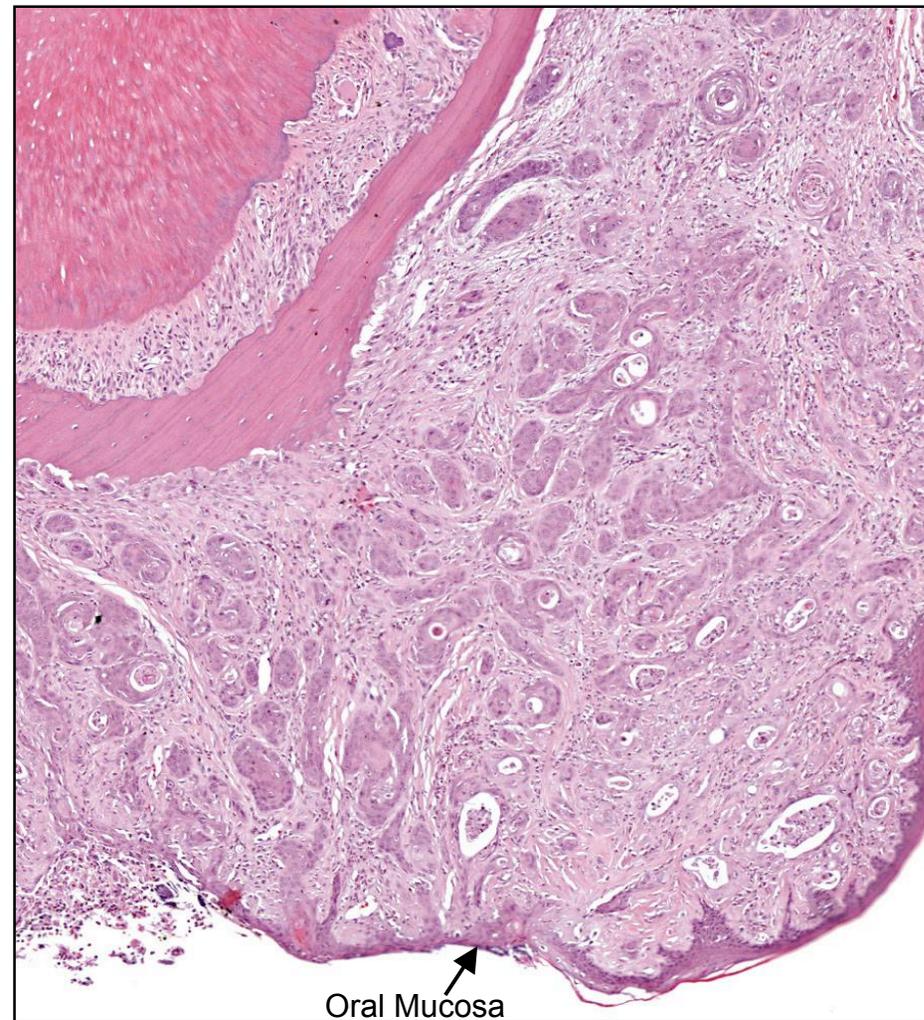
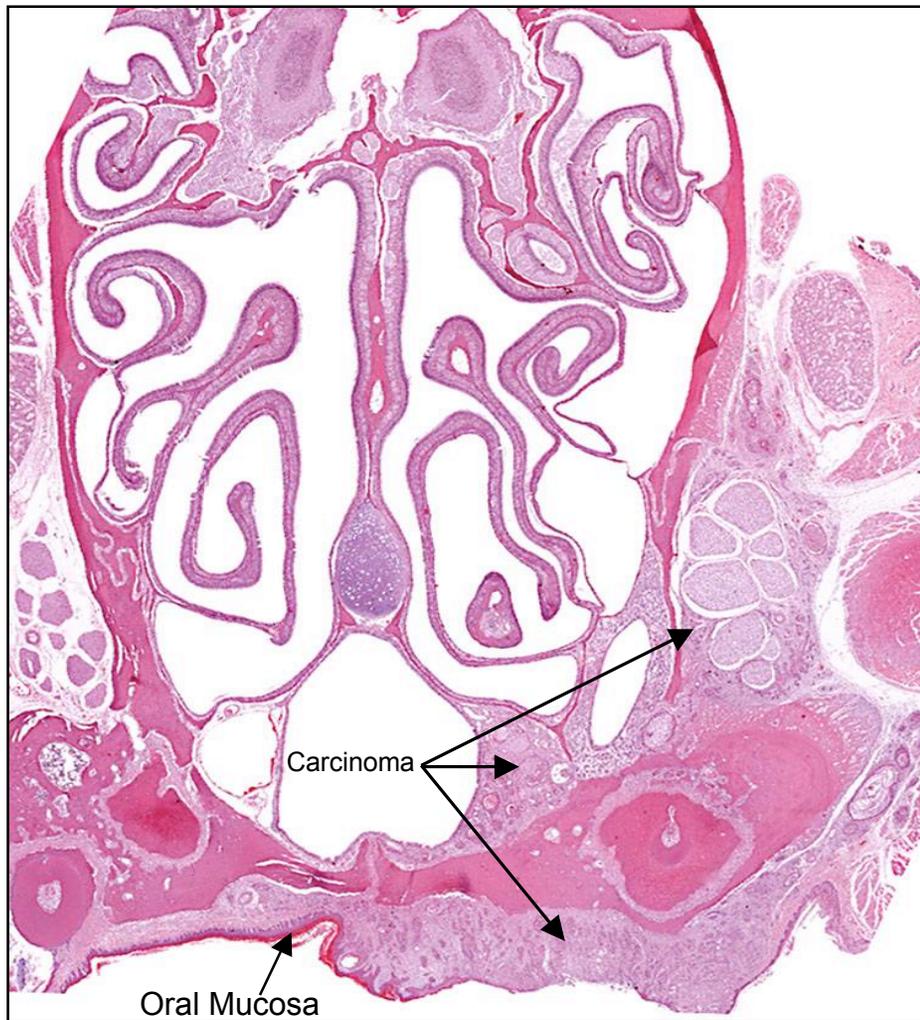


Control - Level III Nasal Cavity



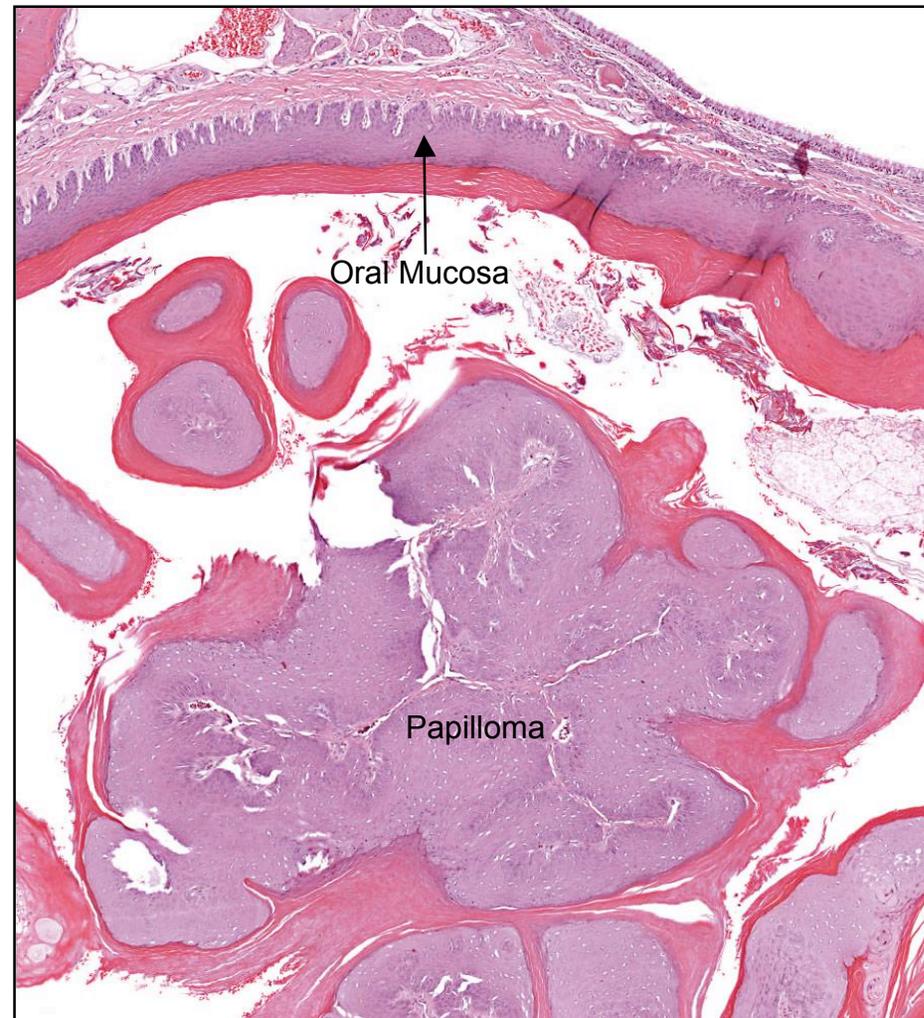


Oral Mucosa - Squamous Cell Carcinoma



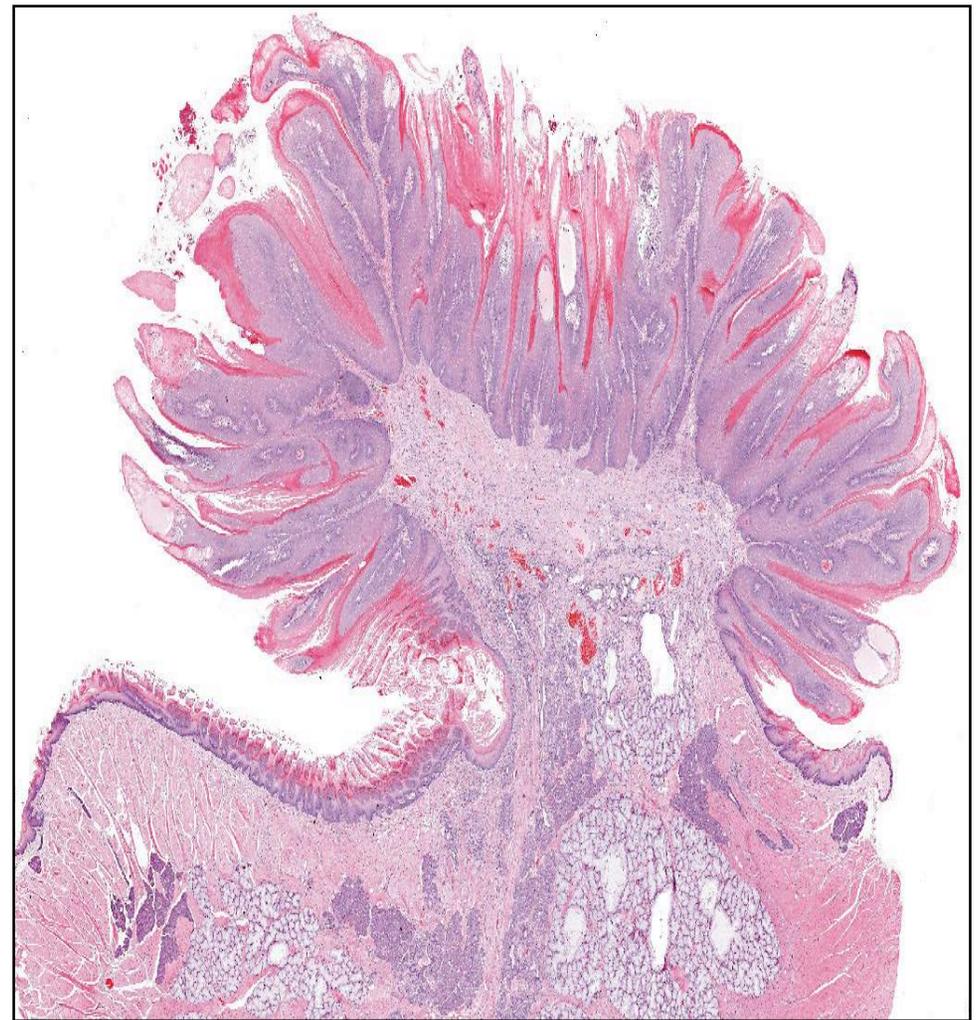
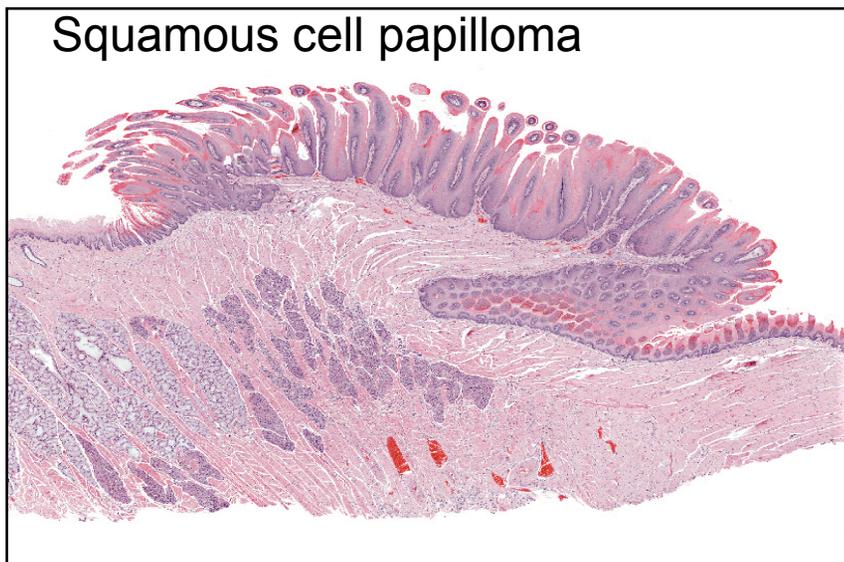
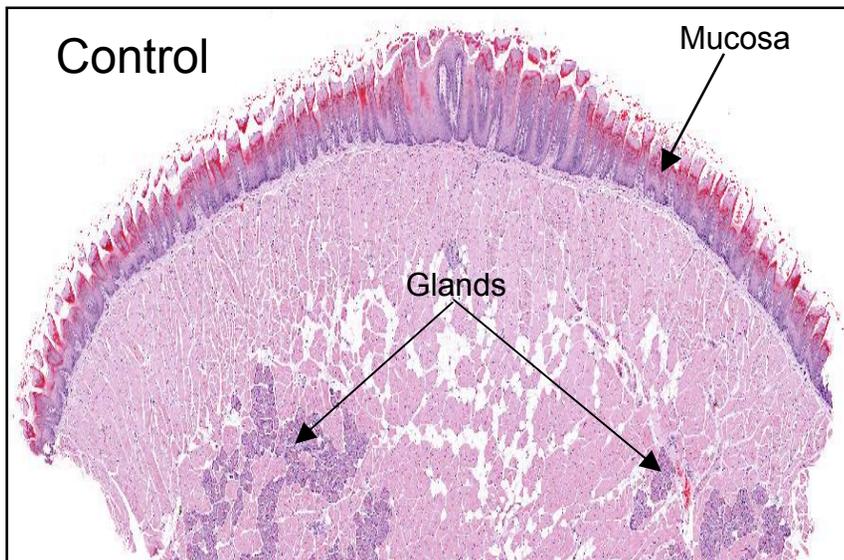


Oral Mucosa - Squamous Cell Papilloma



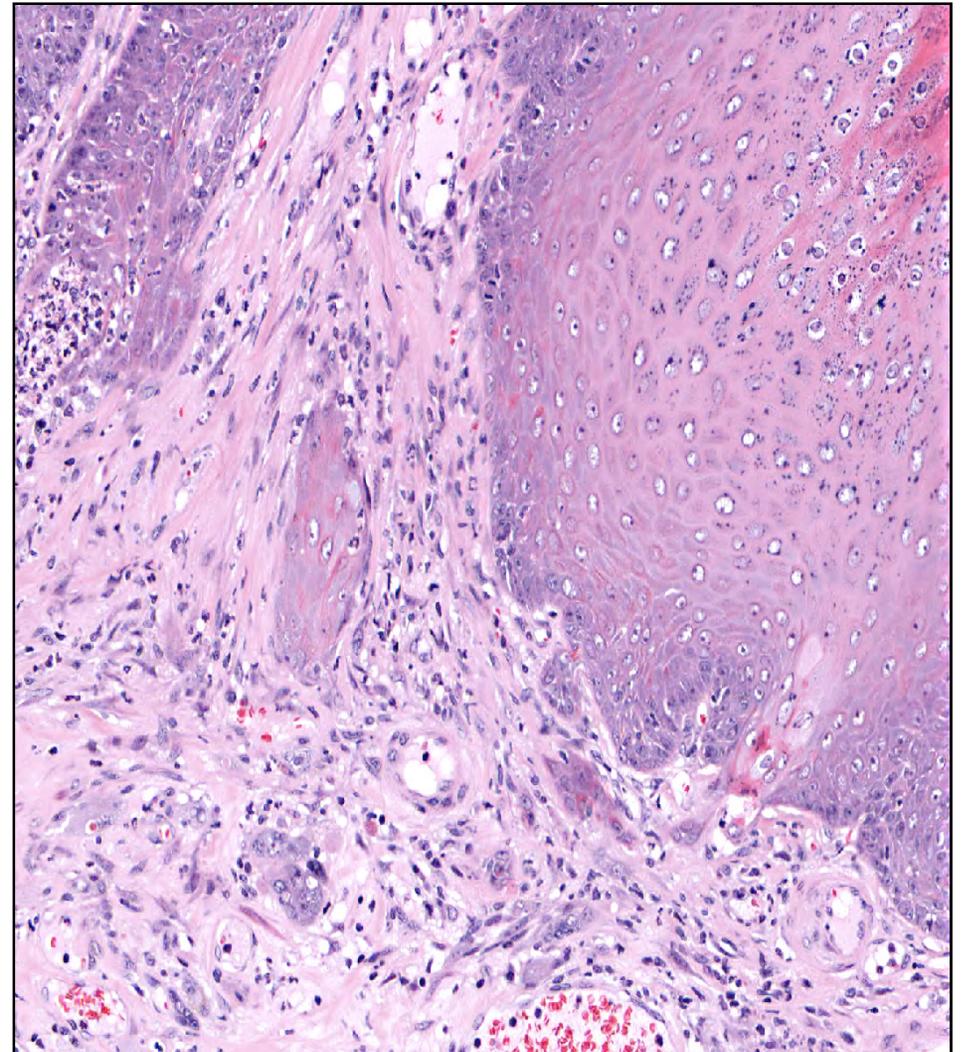
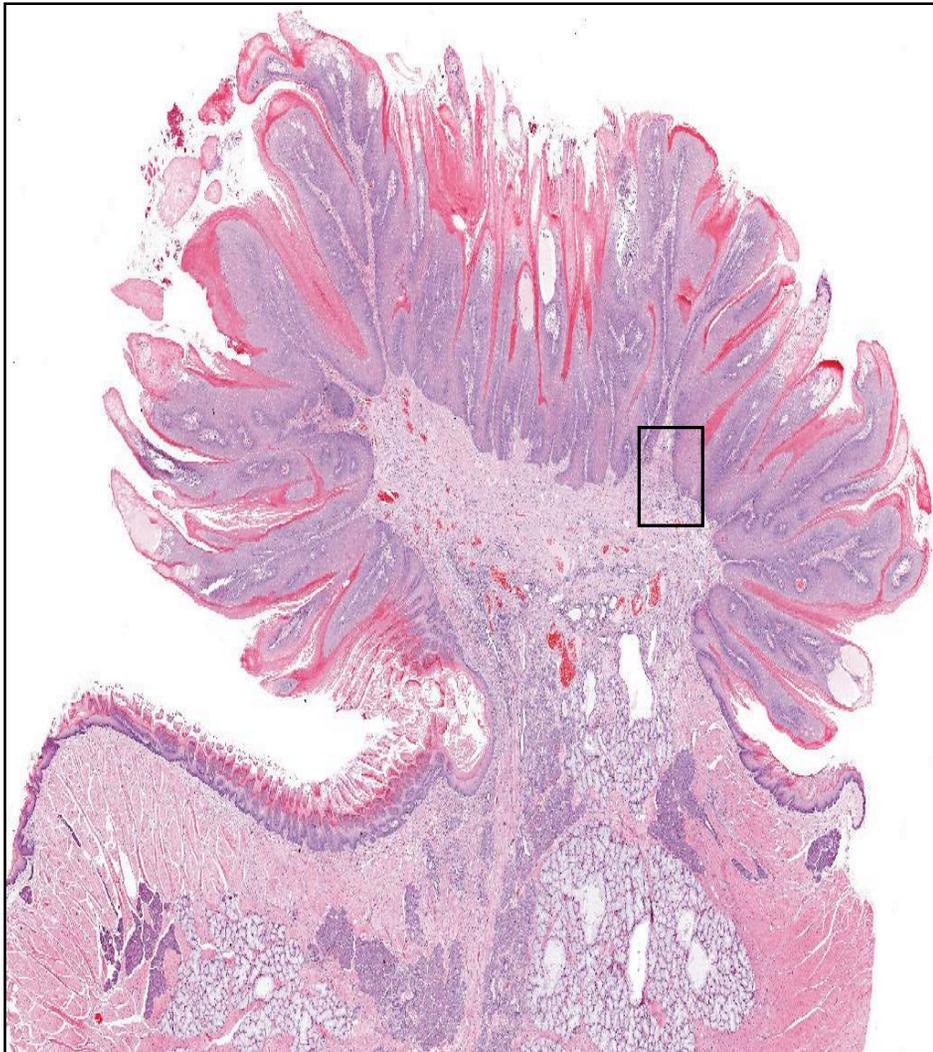


Tongue





Tongue - Squamous Cell Carcinoma

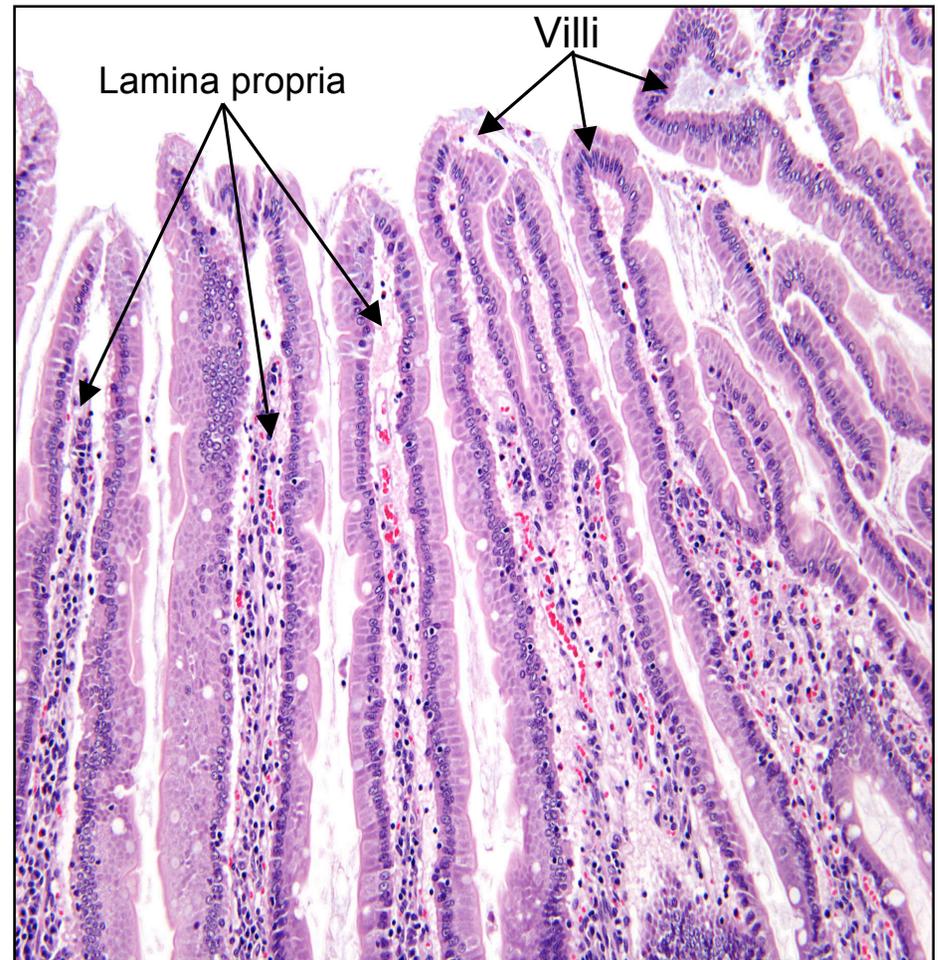
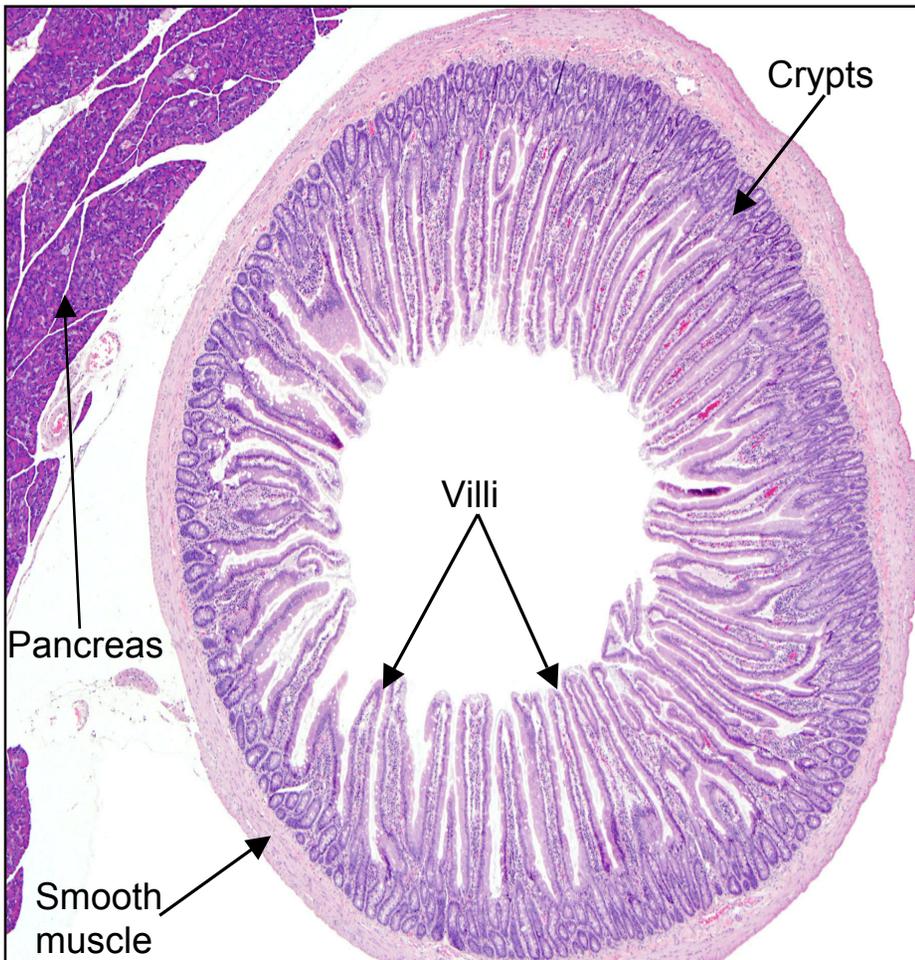




- **Histiocytic Infiltration**
 - Duodenum
 - Pancreatic Lymph Node
 - Mesenteric Lymph Node
 - Liver

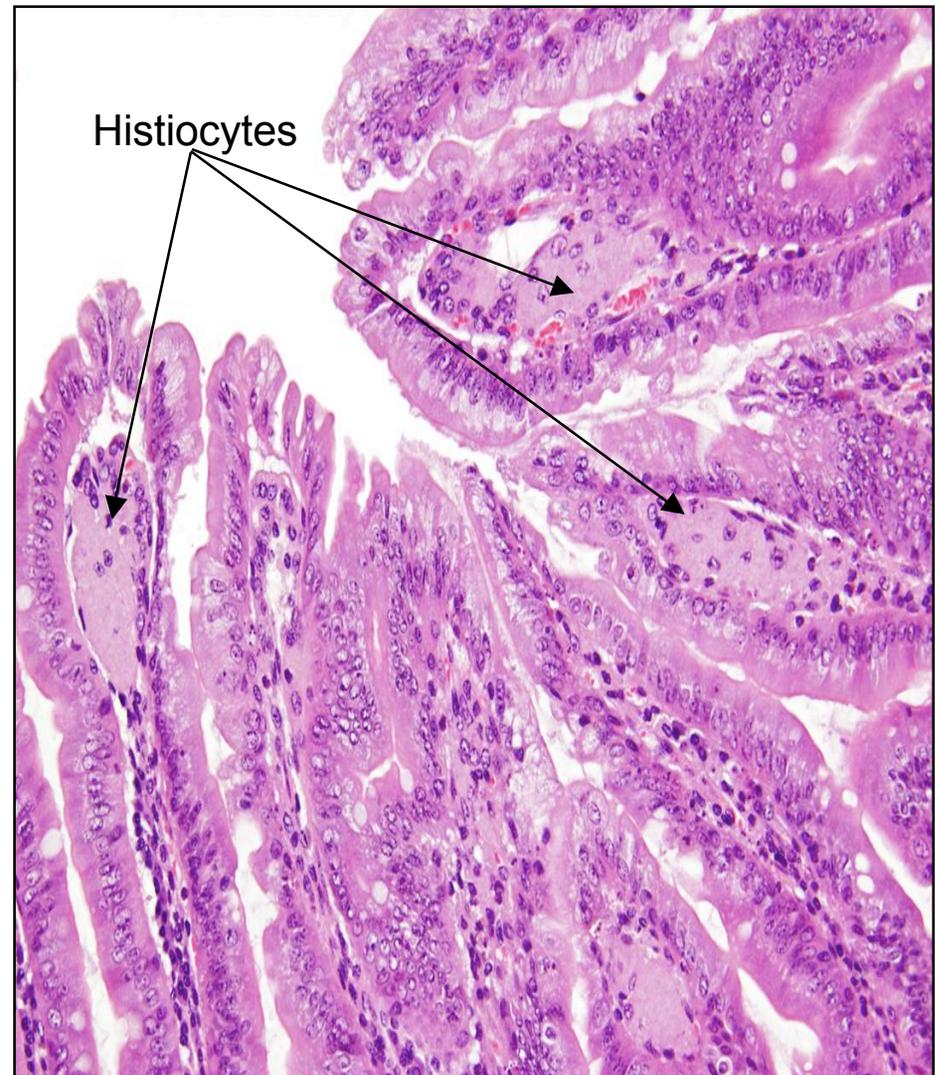
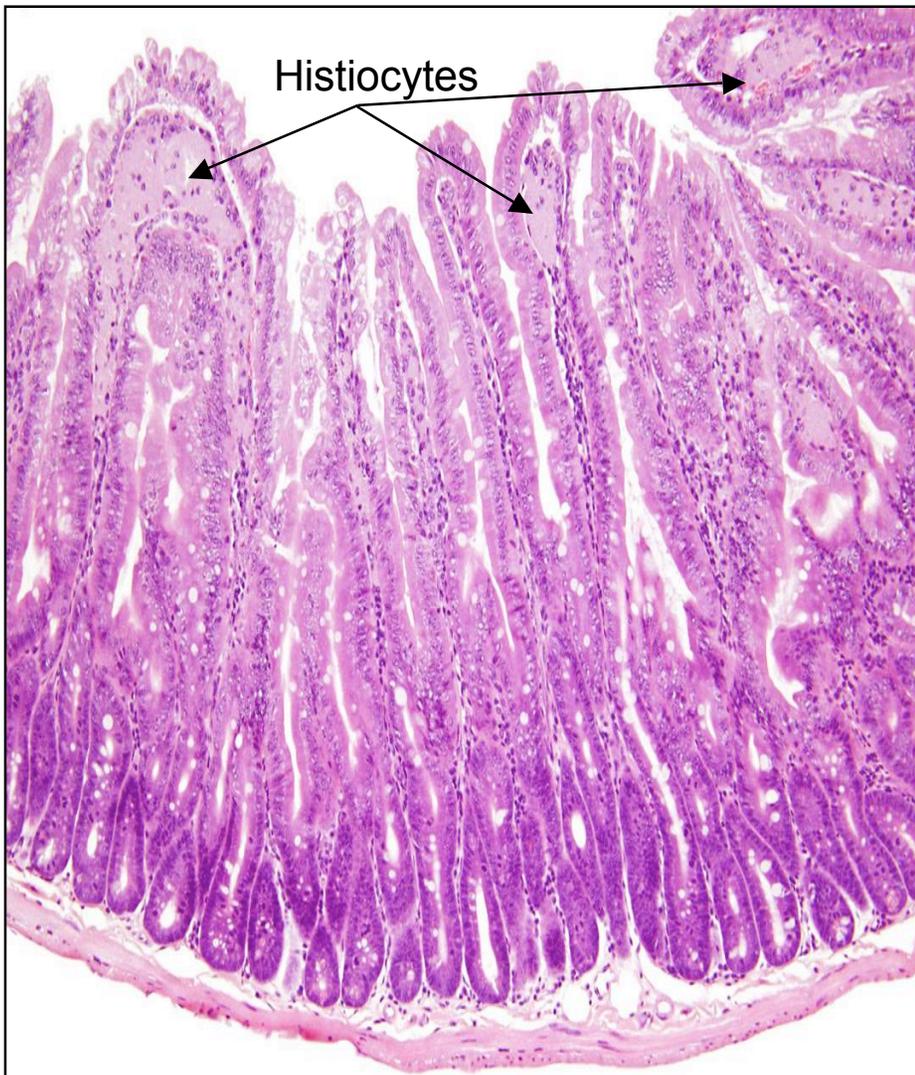


Control - Duodenum



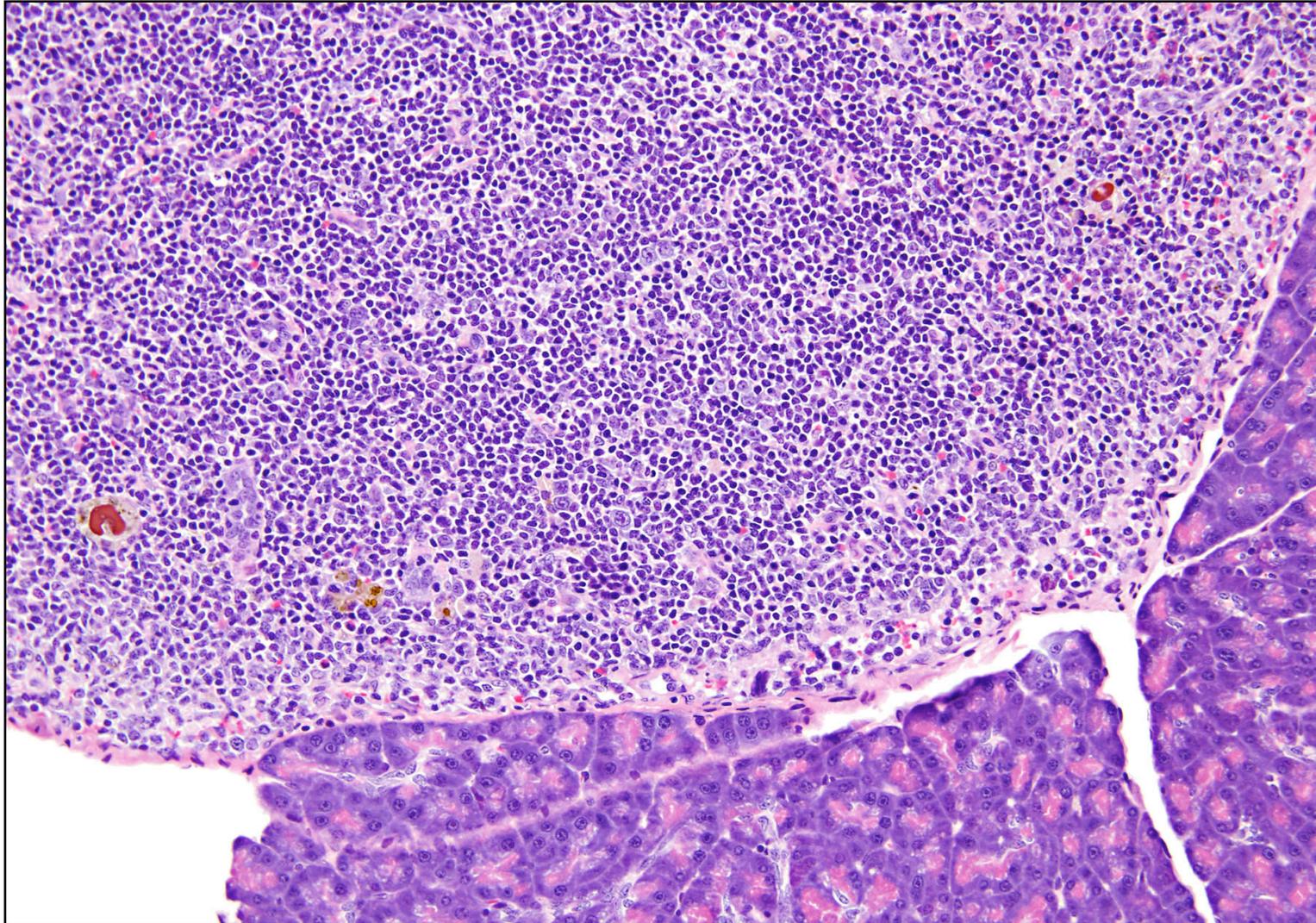


Duodenum - Histiocytic Infiltration



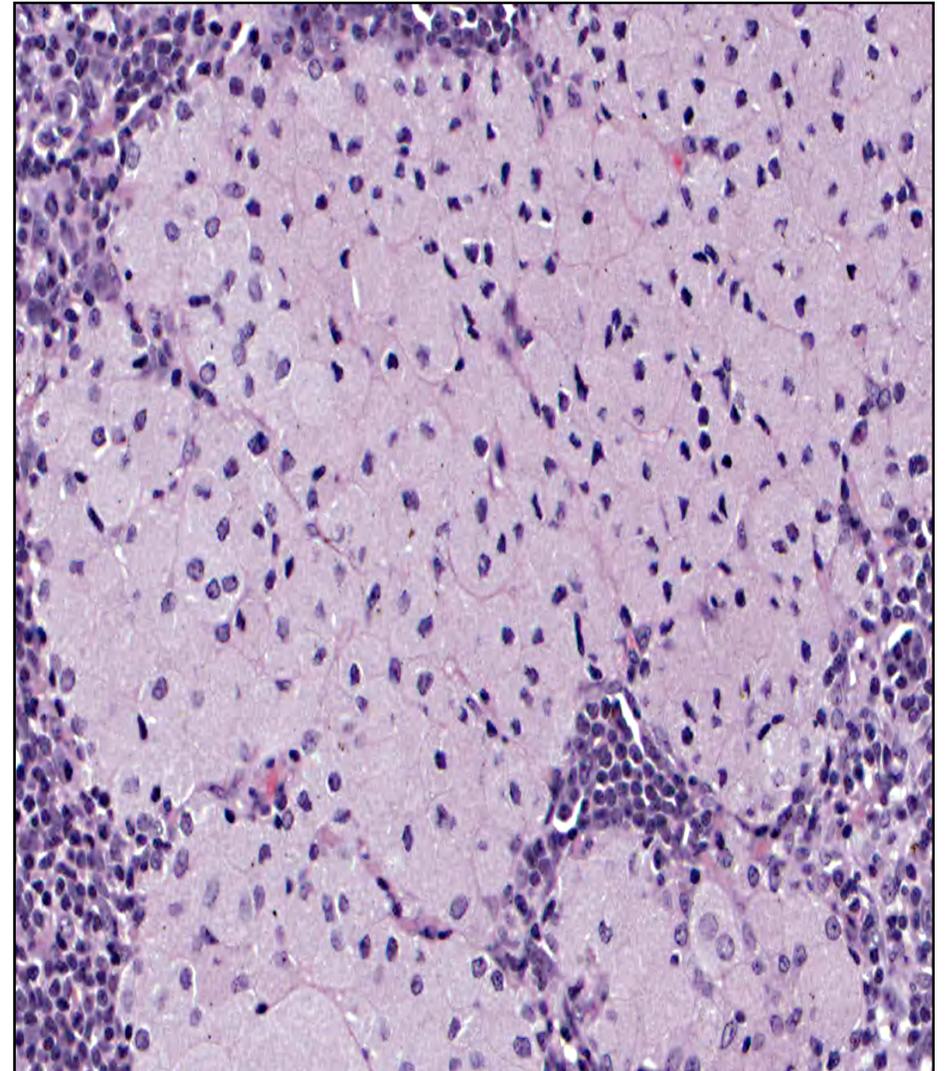
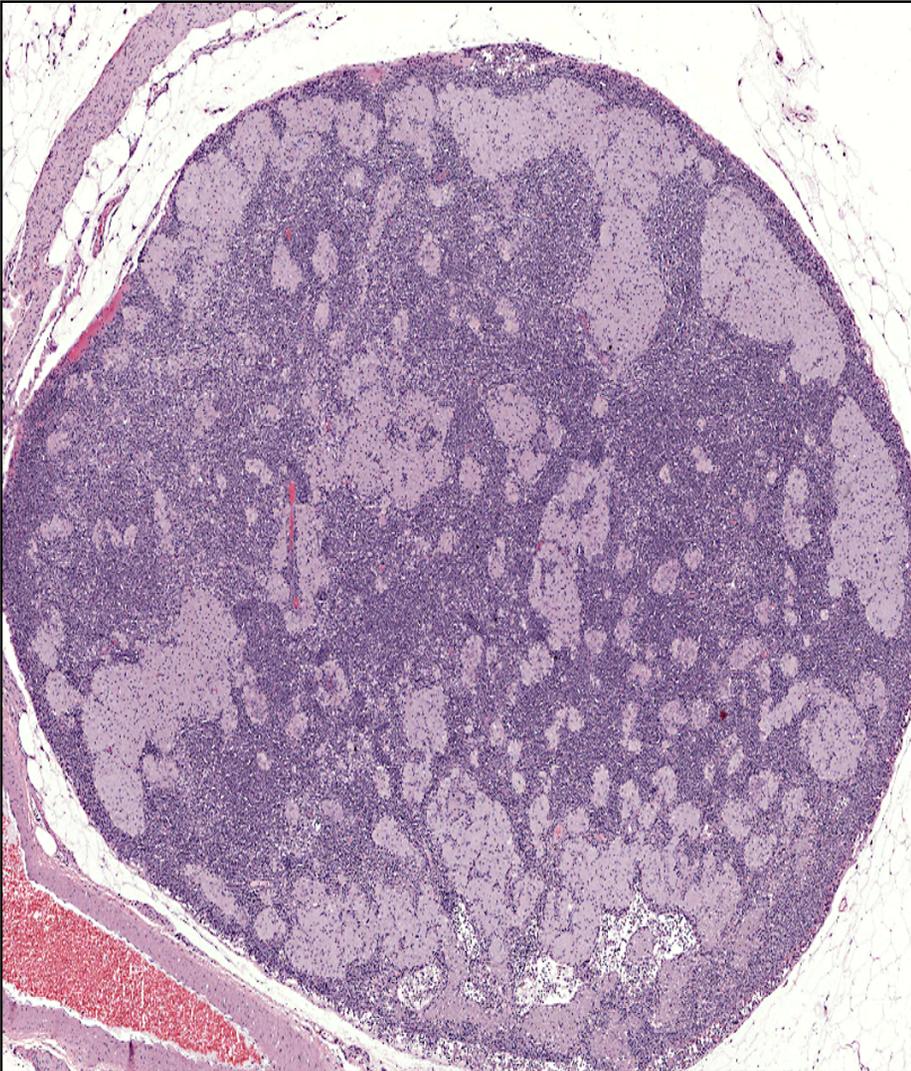


Control - Pancreatic Lymph Node



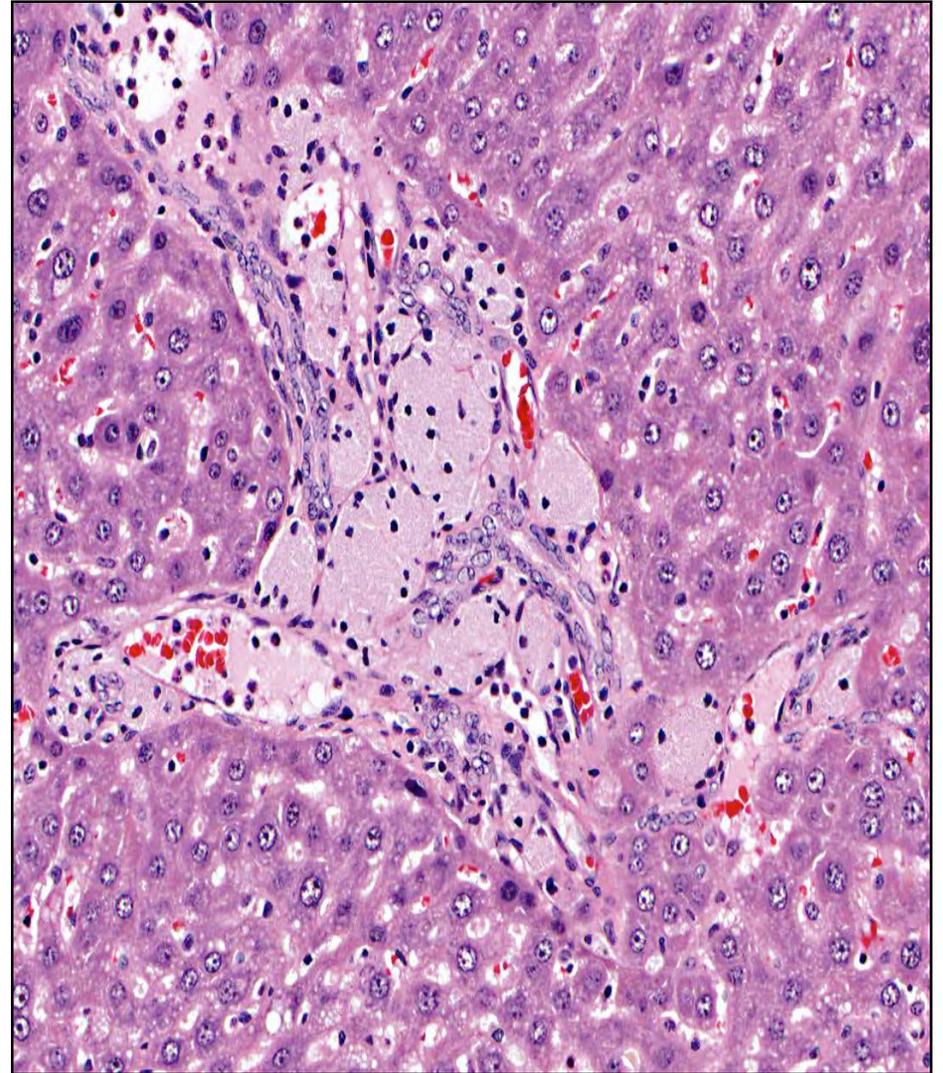
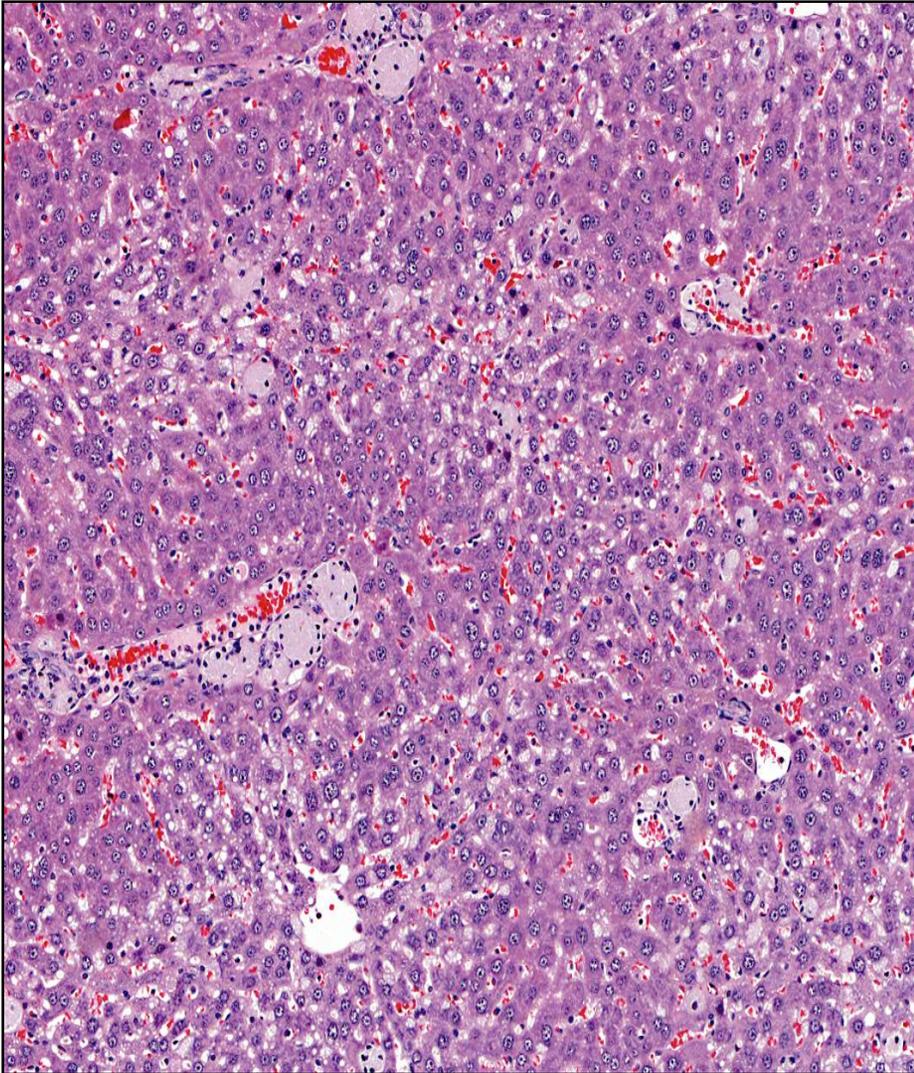


Pancreatic Lymph Node - Histiocytic Infiltration





Liver - Histiocytic Infiltration





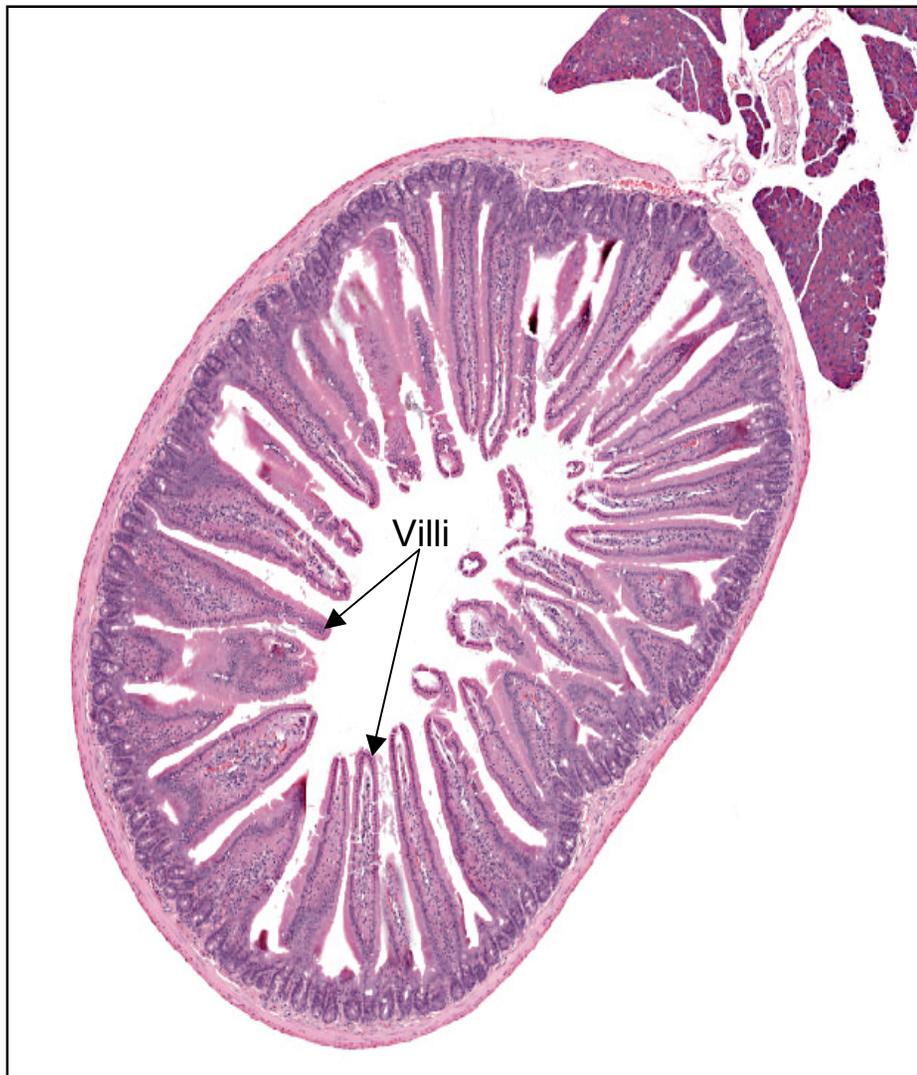
Mouse Histopathology

- Small intestine (duodenum, jejunum)
 - Diffuse epithelial hyperplasia
 - Focal epithelial hyperplasia
 - Adenoma
 - Carcinoma
- Histiocytic infiltration
 - Similar to lesion in rat study
 - Duodenum
 - Pancreatic Lymph Node
 - Mesenteric Lymph Node
 - Liver

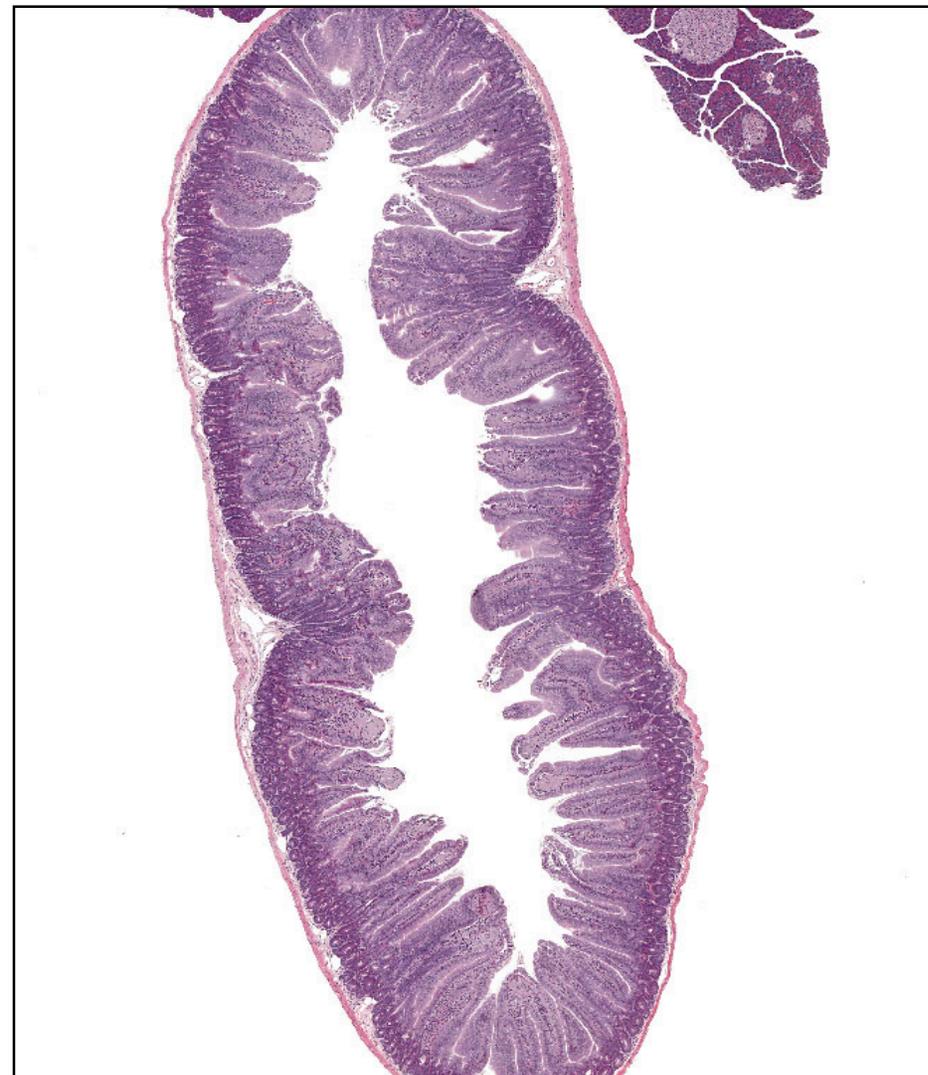


Duodenum

Control



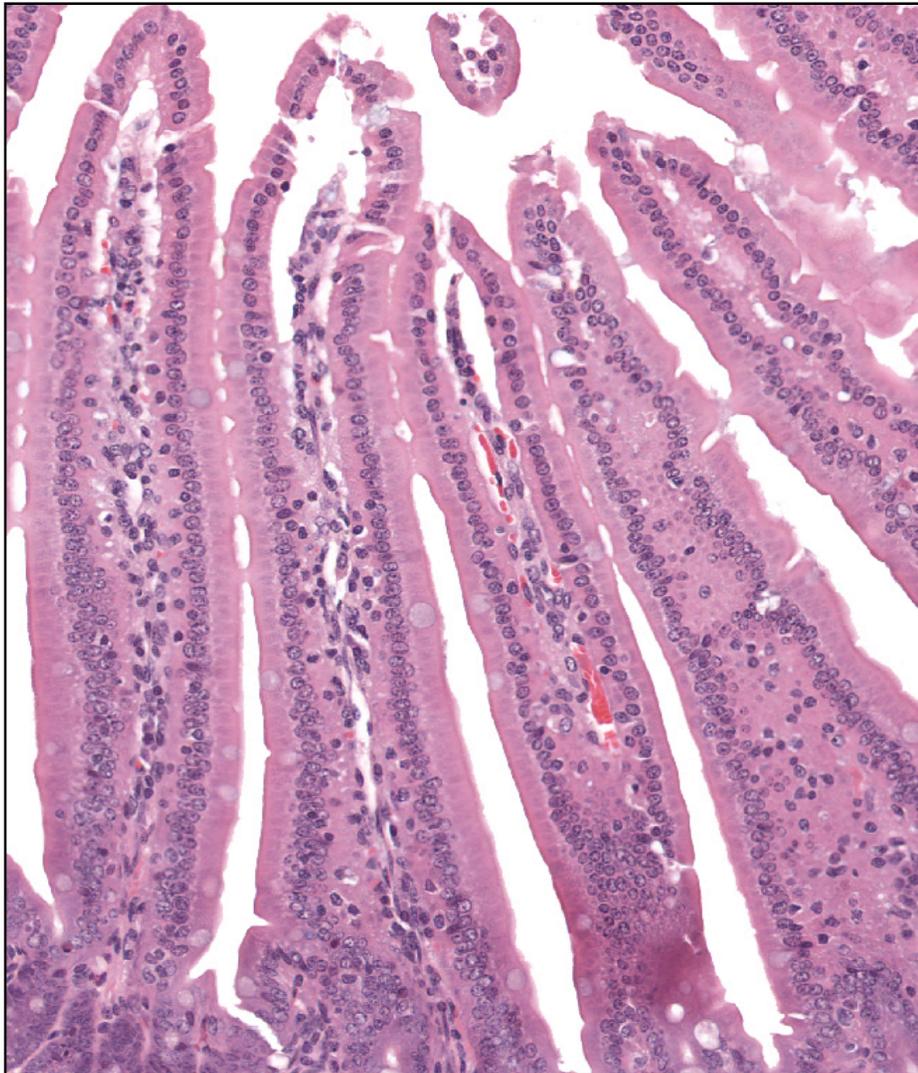
Diffuse Hyperplasia



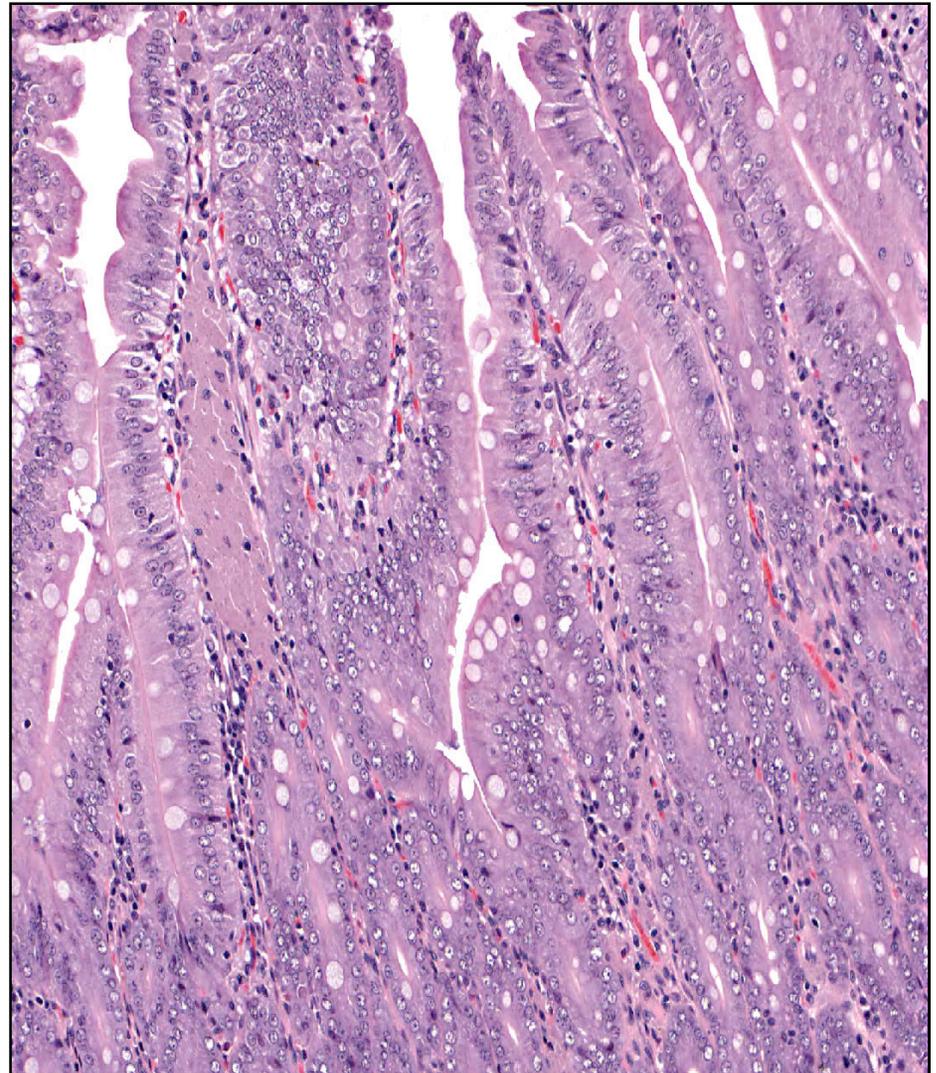


Duodenum

Control



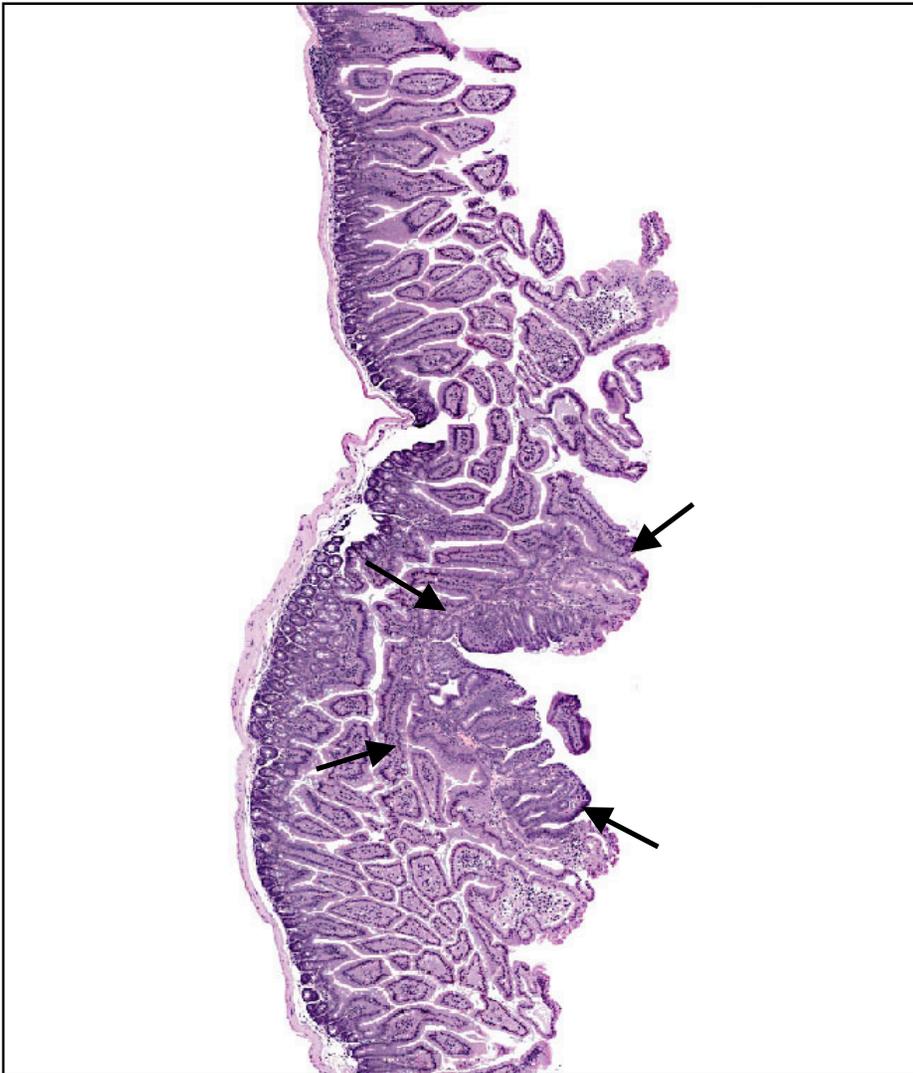
Diffuse Hyperplasia



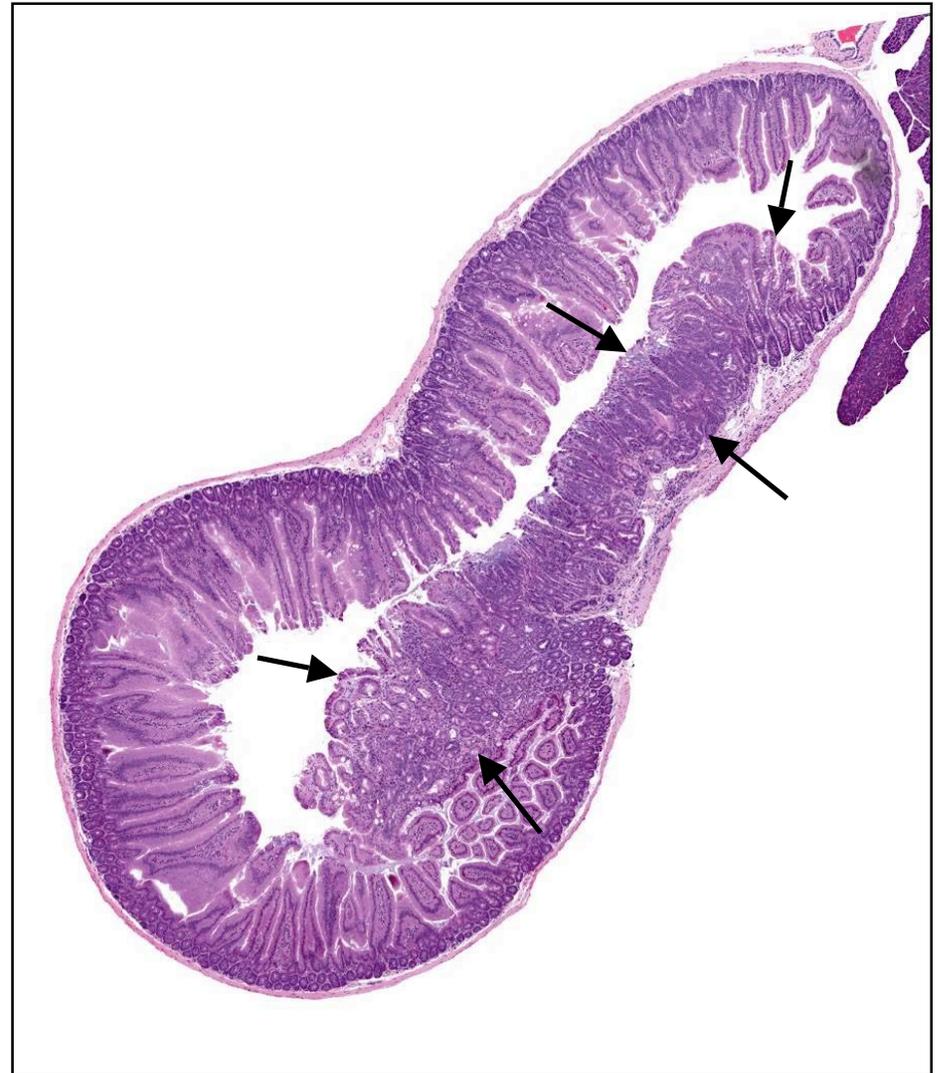


Duodenum

Focal Hyperplasia



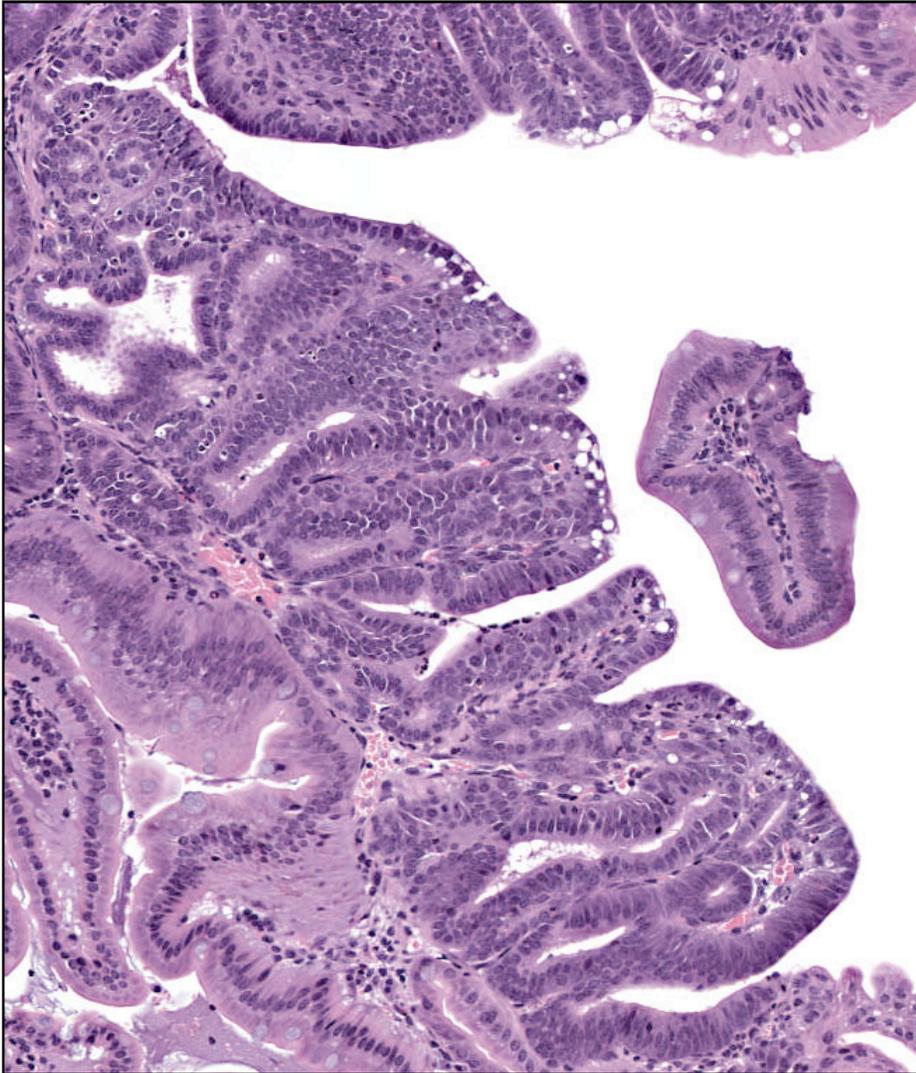
Adenoma



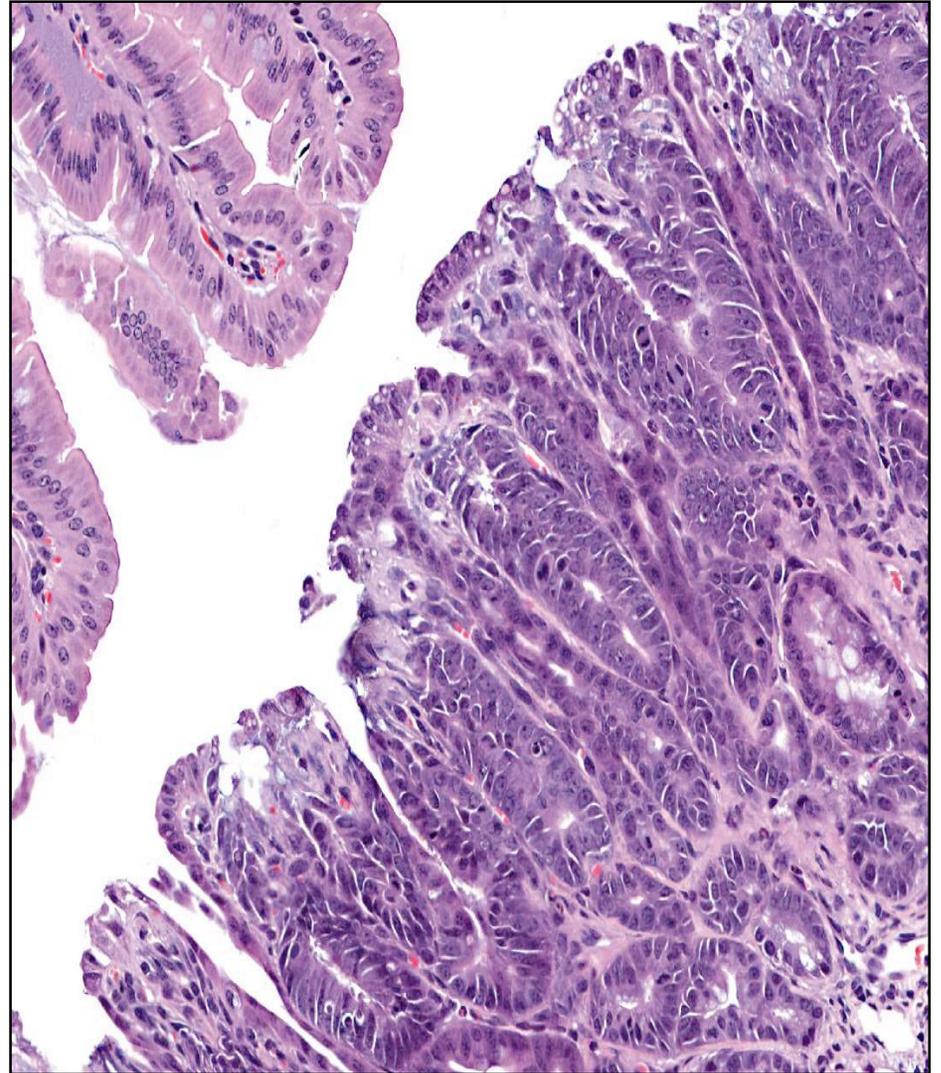


Duodenum

Focal Hyperplasia

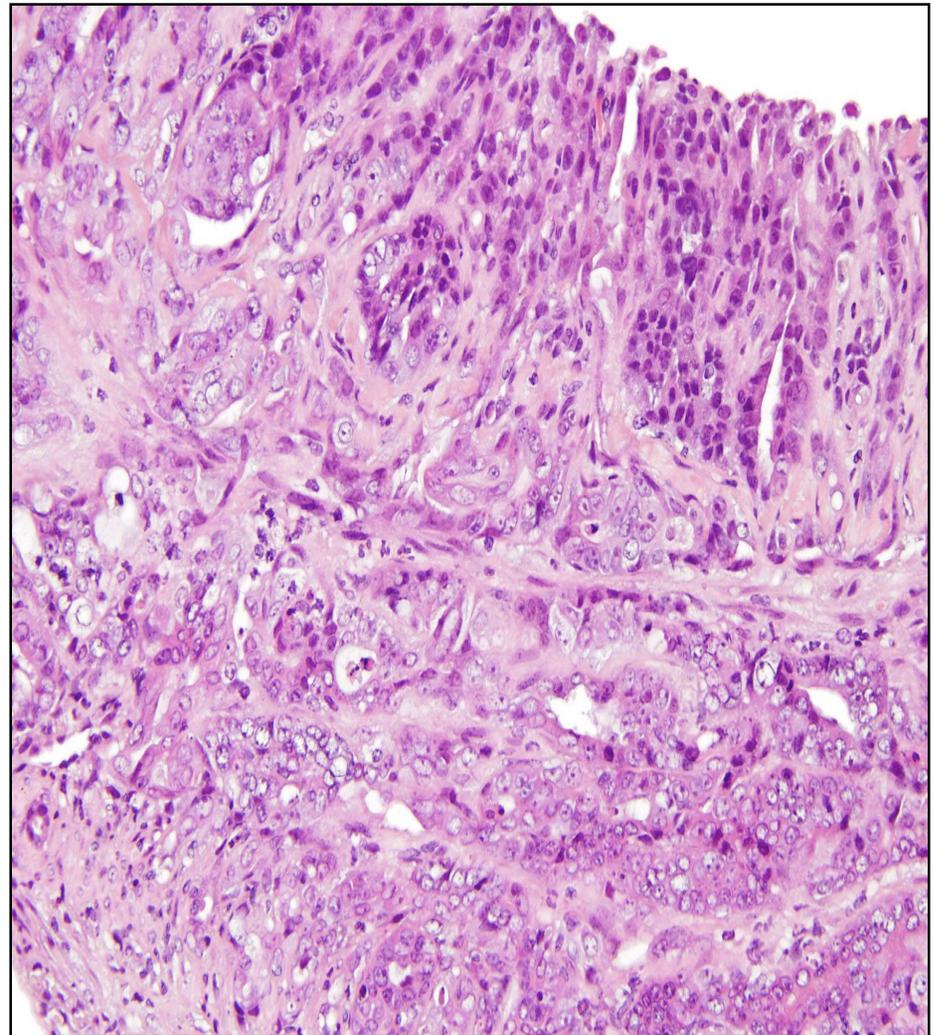
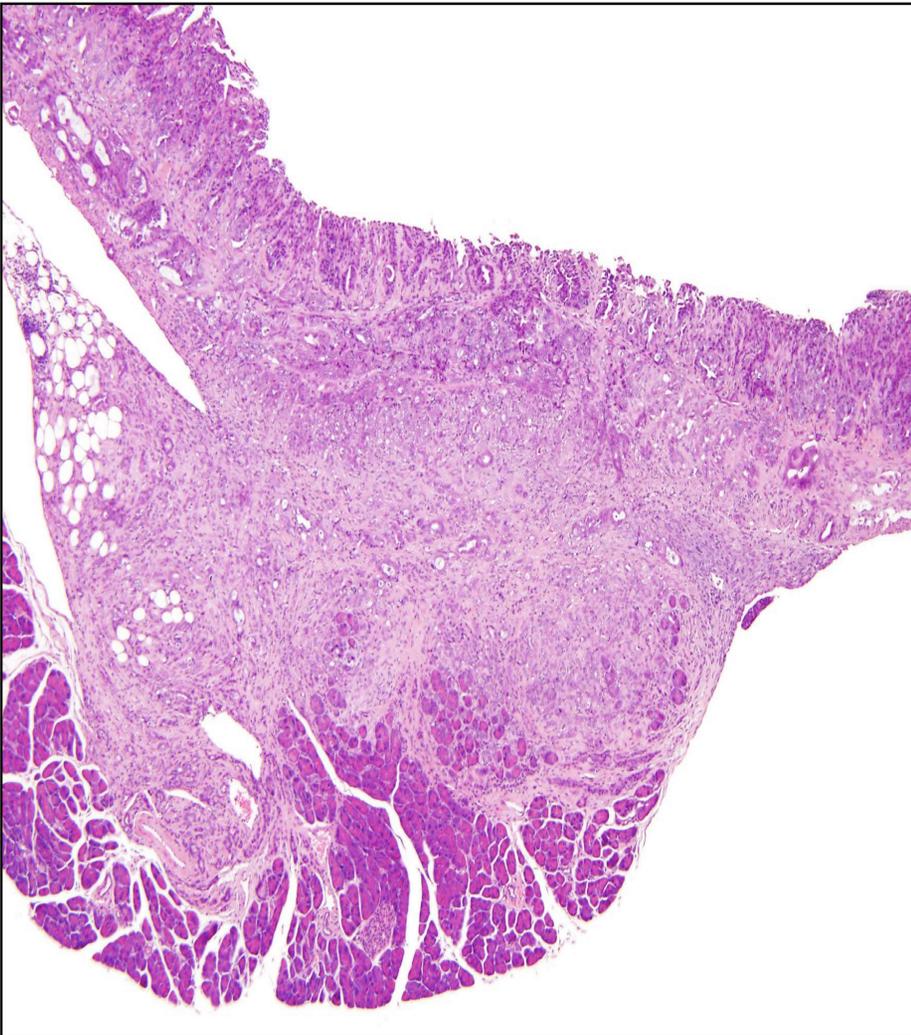


Adenoma





Duodenum - Carcinoma





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Comments and Questions

