**Items to Identify: Liver, Gallbladder, Pancreas, and Salivary Glands**

**Slides to Identify**

* Slide 067: Pig liver
	+ Identify lobules, connective tissue separations
* Slide 048: Gall bladder
	+ Mucosa folds, simple columnar epithelia, absence of goblet cells, lamina propria, smooth muscle, perimuscular layer, serosa
* Slide 118: Liver & spleen with colloidal carbon, rat
	+ Liver lobules, central vein, portal canals, connective tissue capsule, portal radicles
	+ Portal vein, hepatic artery, bile duct, lymphatic
	+ Sinusoids, bile canaliculi, Kupffer cells, space of Disse
* Slide 126: Bile duct with portal vein, monkey
	+ Cystic duct, common bile duct, portal vein
* Slide 130: Submandibular gland
	+ Tubuloacinar gland, serous glands, intercalated ducts, striated ducts, interlobular ducts
	+ Acini, lobules, mucous acini, demilune,, adipose cells, myoepithelial cells
* Slide 155: Gall bladder & liver, monkey
	+ Liver lobules, central vein, portal canals, connective tissue capsule, portal radicles
	+ Portal vein, hepatic artery, bile duct, lymphatic
	+ Sinusoids, bile canaliculi, Kupffer cells, space of Disse
	+ Gallbladder- Mucosa folds, simple columnar epithelia, absence of goblet cells, lamina propria, smooth muscle, perimuscular layer, serosa
* Slide 156: Pancreas, monkey (toluidine blue)
	+ Lobes, lobules, septa, islets of Langerhans, blood vessels, nerves
	+ Interlobular ducts, intercalated ducts, centroacinar cells
* Slide 157: Pancreas, monkey
	+ Lobes, lobules, septa, islets of Langerhans, blood vessels, nerves
	+ Interlobular ducts, intercalated ducts, centroacinar cells
* Slide 158: Pancreas
	+ Lobes, lobules, septa, islets of Langerhans, blood vessels, nerves
	+ Interlobular ducts, intercalated ducts, centroacinar cells, secretory granules
* Slide 440: Sublingual gland
	+ Tubuloacinar gland, serous glands, intercalated ducts, striated ducts, interlobular ducts
	+ Acini, lobules, mucous acini, demilune,, adipose cells, myoepithelial cells
* Slide 454: Liver
	+ Liver lobules, central vein, portal canals, connective tissue capsule, portal radicles
	+ Portal vein, hepatic artery, bile duct, lymphatic
	+ Sinusoids, bile canaliculi, Kupffer cells, space of Disse
* Slide 19758: Salivary gland
	+ Tubuloacinar gland, serous glands, intercalated ducts, striated ducts, interlobular ducts
	+ Acini, lobules, mucous acini, demilune,, adipose cells, myoepithelial cells
* Slide 36723: Pancreas (Toluidine blue)
	+ Lobes, lobules, septa, islets of Langerhans, blood vessels, nerves, capillaries
	+ Interlobular ducts, intercalated ducts, centroacinar cells, secretory granules
* Slide HISTO052: Tongue
	+ Identify both mucous and serous glands
* Slide HISTO067: Pig liver w/ classical lobule
	+ Connective tissue outlining classical lobule

**EMs to Identify**

* EM 1: Pancreas; 12,700x
	+ Ultrastructure of pancreatic acinar cell, intercalated ducts
* EM 2: Liver; 38,000x
	+ Bile canaliculus, tight junctions
* EM 18: Liver; 7,000x
	+ Hepatic sinusoid, parenchymal cells, microvilli, bile canaliculi, lysosomes, Space of Disse, endothelial cells, Kupffer cell