**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