**Items to Identify: Urinary System**

**Slides to Identify**

* Slide 160: Urinary bladder, monkey
  + Transitional epithelium
* Slide 254: Kidney medulla (Lee’s stain)
  + Renal capsule dense irregular connective tissue, cortex, medulla, hilus, cortex
  + Glomerulus, capillary nuclei and lumen, endothelial cells, visceral epithelium of Bowman’s capsule, podocytes, Bowman’s capsule, parietal epithelium
  + Arterioles, vascular pole, fenestrated endothelium
  + Urinary pole, parietal epithelium transition to taller columnar cells of proximal convoluted tubule
  + Proximal convoluted tubules, filtrate, descending loops of Henle, medullary rays, ascending loops of Henle, vasa recta, macula densa, juxtaglomerular cells, mesangial cells, juxtaglomerular apparatus, distal convoluted tubules, collecting tubules
* Slide 258: Kidney (PAS)
  + Glomerular basal laminae,
  + Renal capsule dense irregular connective tissue, cortex, medulla, hilus, cortex
  + Glomerulus, capillary nuclei and lumen, endothelial cells, visceral epithelium of Bowman’s capsule, podocytes, Bowman’s capsule, parietal epithelium
  + Arterioles, vascular pole, fenestrated endothelium
  + Urinary pole, parietal epithelium transition to taller columnar cells of proximal convoluted tubule
  + Proximal convoluted tubules, filtrate, descending loops of Henle, medullary rays, ascending loops of Henle, vasa recta, macula densa, juxtaglomerular cells, mesangial cells, juxtaglomerular apparatus, distal convoluted tubules, collecting tubules
* Slide 259: Kidney, cortex & Slide 260: Kidney
  + Renal capsule dense irregular connective tissue, cortex, medulla, hilus, cortex
  + Glomerulus, capillary nuclei and lumen, endothelial cells, visceral epithelium of Bowman’s capsule, podocytes, Bowman’s capsule, parietal epithelium
  + Arterioles, vascular pole, fenestrated endothelium
  + Urinary pole, parietal epithelium transition to taller columnar cells of proximal convoluted tubule
  + Proximal convoluted tubules, filtrate, descending loops of Henle, medullary rays, ascending loops of Henle, vasa recta, macula densa, juxtaglomerular cells, mesangial cells, juxtaglomerular apparatus, distal convoluted tubules, collecting tubules
* Slide 262: Ureter & HISTO034: Ureter
  + Mucous membrane, transitional epithelium, lamina propria, muscle coat, adventitia
* Slide 277: Penis
  + Transitional epithelium of urethra
* Slide 458: Kidney& Slide 19713: Kidney & Slide 34400: Rat- kidney & Slide 36748: Rat- kidney
  + Renal capsule dense irregular connective tissue, cortex, medulla, hilus, cortex
  + Glomerulus, capillary nuclei and lumen, endothelial cells, visceral epithelium of Bowman’s capsule, podocytes, Bowman’s capsule, parietal epithelium
  + Arterioles, vascular pole, fenestrated endothelium
  + Urinary pole, parietal epithelium transition to taller columnar cells of proximal convoluted tubule
  + Proximal convoluted tubules, filtrate, descending loops of Henle, medullary rays, ascending loops of Henle, vasa recta, macula densa, juxtaglomerular cells, mesangial cells, juxtaglomerular apparatus, distal convoluted tubules, collecting tubules
  + Medullary papilla, minor calyces, major calyces

**EMs to Identify**

* EM 18a: Kidney Podocyte; 17,333x
  + Fenestrated endothelium of glomerular capillaries
  + Glomerular basal lamina, visceral epithelium, podocytes- cell body, trabeculae, secondary processes, pedicels, filtration slits, mesangial cells
* EM 18b: Kidney (scanning); 950x
  + Urinary pole of glomerulus