

## URINARY ANATOMY STUDY GUIDE

### GROSS ANATOMY

#### Kidney (Diagram / Model)

- Fibrous capsule
- Renal hilum
- Renal cortex
- Renal medulla
  - Medullary pyramid
  - Renal column
  - Renal papilla
- Renal pelvis
  - Major calyx
  - Minor calyx

#### Ureters (Diagram / Model)

#### Urinary Bladder (Figure / Model)

- Trigone
- Ureteric orifice

#### Urethra (Figure / Model)

- External / Internal urethral sphincter

#### Renal Blood Supply (Diagram / Model)

- Renal artery / vein
- Segmental artery
- Interlobar artery / vein
- Arcuate artery / vein
- Cortical radiate artery / vein
- Afferent / efferent arteriole
- Peritubular capillaries
- Vasa recta

#### Nephron (Diagram / Model)

- Glomerulus
- Glomerular (Bowman's) capsule
- Proximal convoluted tubule
- Loop of Henle
  - Thin / Thick segment
- Distal convoluted tubule
- Collecting duct

#### Nephron Types (Diagram / Model)

- Cortical nephron
- Juxtaglomerular nephron

## URINARY ANATOMY STUDY GUIDE

### HISTOLOGY

#### Kidney

- Cortex
  - Renal corpuscle
    - Glomerulus
    - Glomerular capsule (simple squamous epithelium)
    - Podocyte
  - Proximal convoluted tubule
  - Distal convoluted tubule
- Medulla
  - Loop of Henle (thick / thin segments)

#### Ureter

- Lumen
- Mucosa
  - Transitional epithelium
- Muscularis
- Adventitia

#### Urinary Bladder

- Lumen
- Mucosa
  - Transitional epithelium
- Detrusor muscle
- Adventitia

#### Urethra

- Lumen
- Mucosa
  - Transitional / pseudostratified / stratified squamous epithelium (which does your slide show?)
- Muscularis
- Adventitia









