

Urinary System Lab

Dr. J. Lim

Gross Anatomy of the Human Urinary System

Utilizing the Urinary System board and/or class notes:

Locate the urinary system organs and structures. Next describe the function of each.

- kidneys
- ureters
- urinary bladder
- internal and external urethral sphincter
- urethra

Gross Internal Anatomy of the Kidney

Utilizing a kidney model:

Locate the major internal regions of the kidney. Drawing optional.

- Cortex, medulla, pyramids, columns, calyces, pelvis

State a principal functions of the following:

- nephron
- renal pyramids
- calyx
- renal pelvis

The Nephron – Functional Microscopic Anatomy of the Kidney

Utilizing

- *the model of a bisected kidney that demonstrates the nephron*

Locate and state an important function of the following structures of the nephron.

- afferent arteriole
- efferent arteriole
- glomerulus
- glomerular (Bowman's) capsule
- proximal convoluted tubule (PCT)
- loop of Henle
- distal convoluted tubule (DCT)
- collecting duct
- peritubular capillary

FETAL PIG LAB FOUR: Urinary System