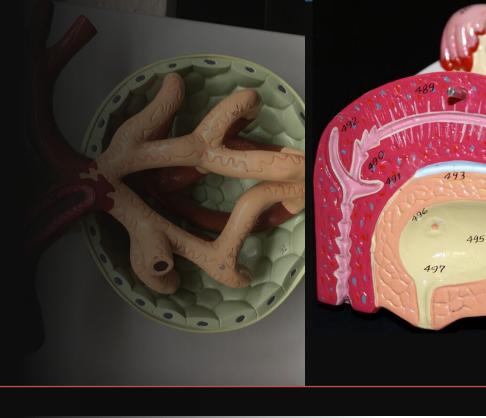
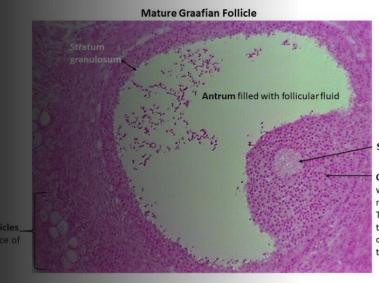
Virtual Lab Practical 5 Review Pictures



Endocrine System
Urinary System
Reproductive System



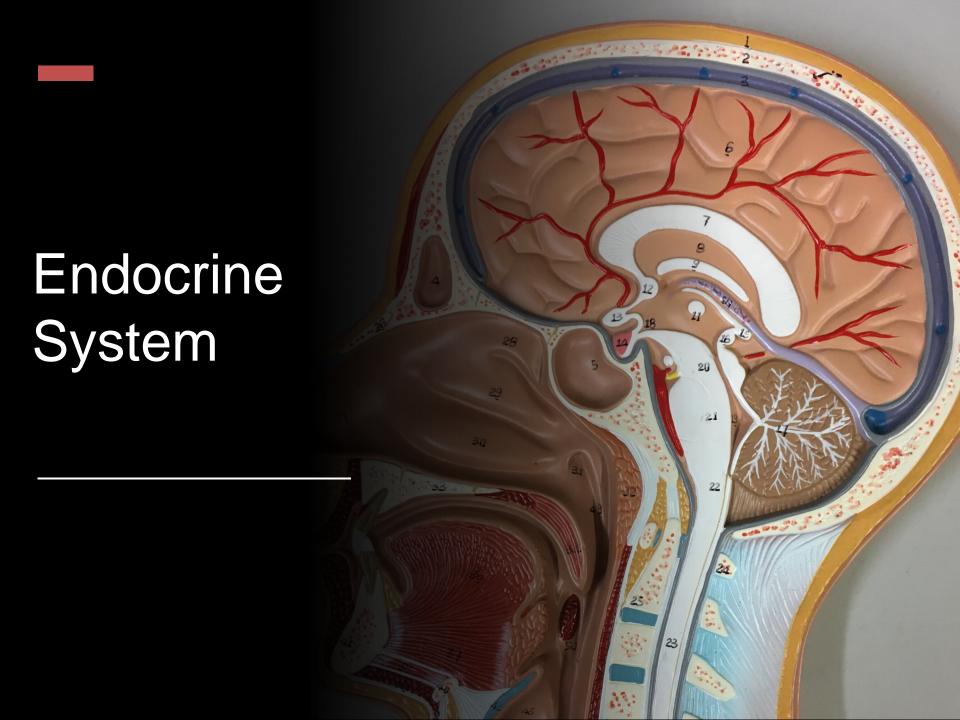
Secondary Oocyte

Cumulus oophorus, which is a thickened mound of granulosa cell These cells that surroun the oocyte and remain a ovulation are called the corona radiata.

Chapters Reviewed Endocrine System

Endocrine System
Urinary System
Reproductive System

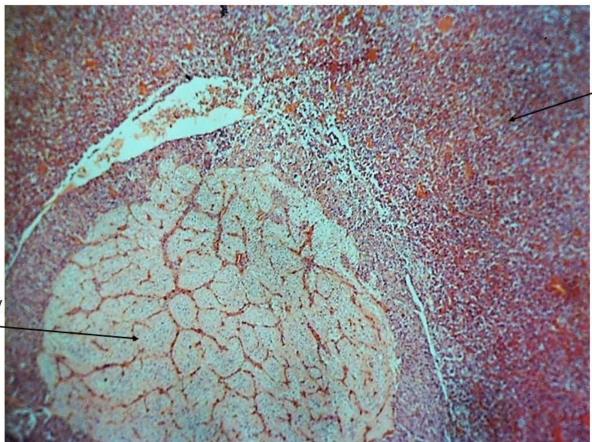
- Study the pictures of the tissues and labeled models as part of your online lab experience.
- Be familiar with the pictures and each label within this review.
 These pictures are used for your lab exam.
- Review Dr. Gannon's instructional videos over the endocrine, urinary and reproductive system. Be able to identify all the structures she covers on the models.
- Remember to use the zoom function if you need to increase or decrease the size of the image.



Pituitary Gland

Be able to identify the anterior and posterior pituitary glands

Pituitary Gland (Hypophysis)

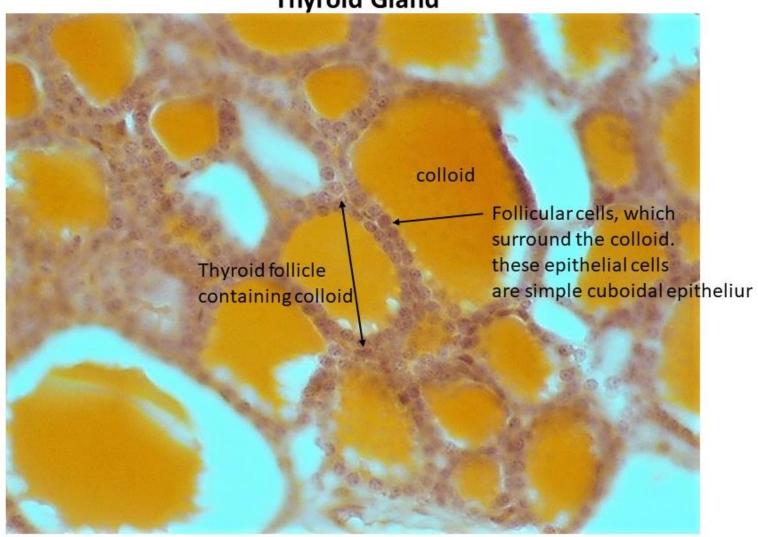


The anterior pituitary (adenohyposis) consists of glandular tissue and stains darker than the posterior pituitary.

The posterior pituitary (neurohyphysis) is — comprised of nervous tissue and stains much lighter than the anterior pituitary.

Thyroid Gland

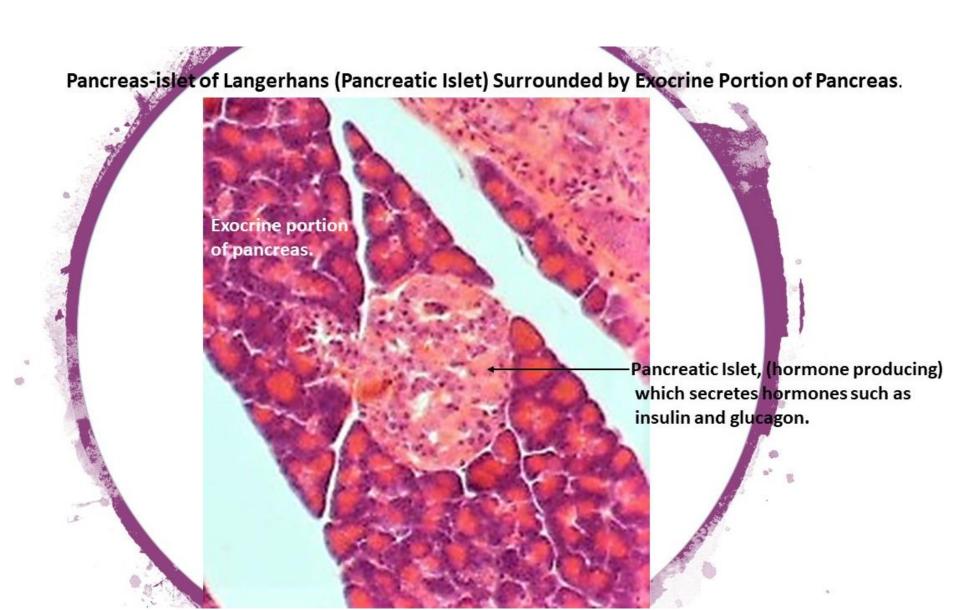
Thyroid Gland



Parathyroid Gland



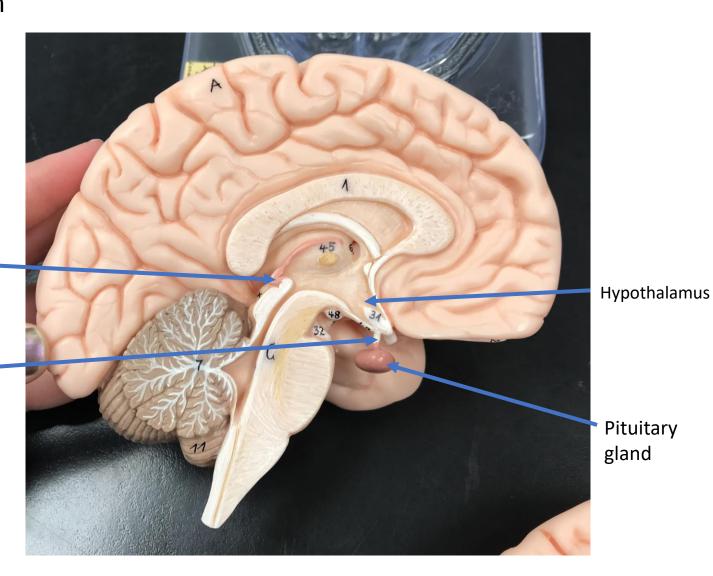
Pancreas- Pancreatic Islet

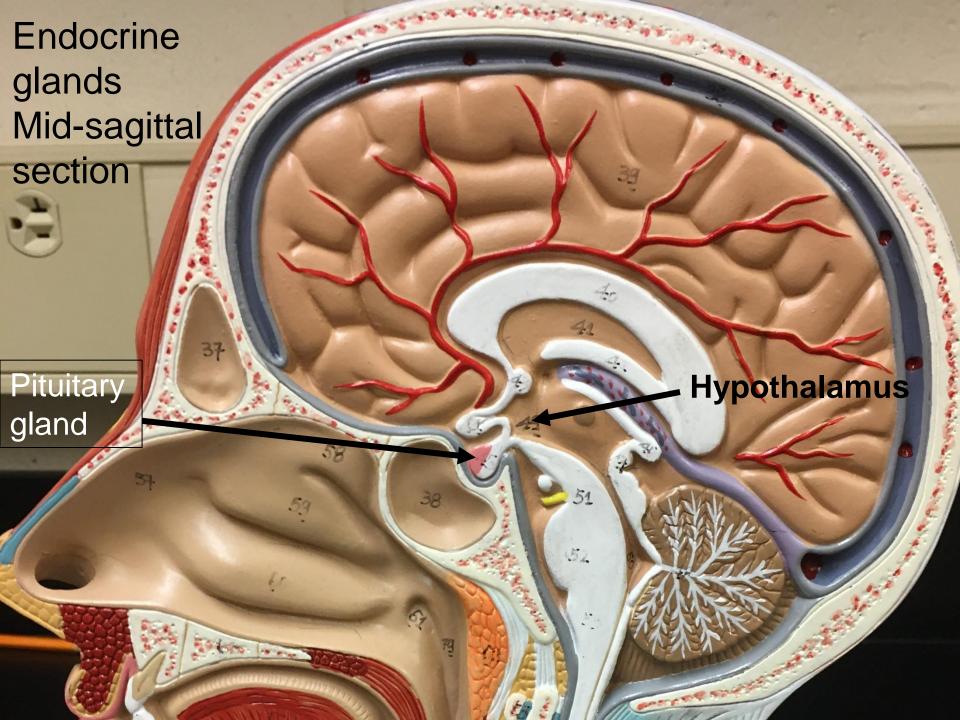


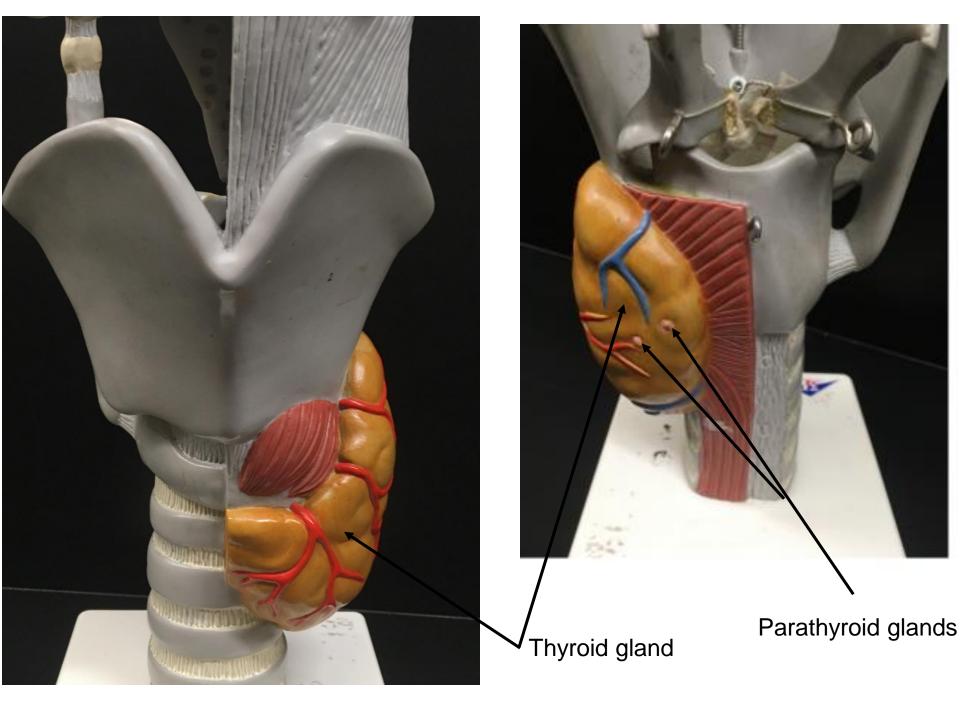
Identify the endocrine glands in the brain:
Hypothalamus
Pituitary gland
Pineal gland
Be able to identify the Infundibulum

Pineal gland

Infundibulum



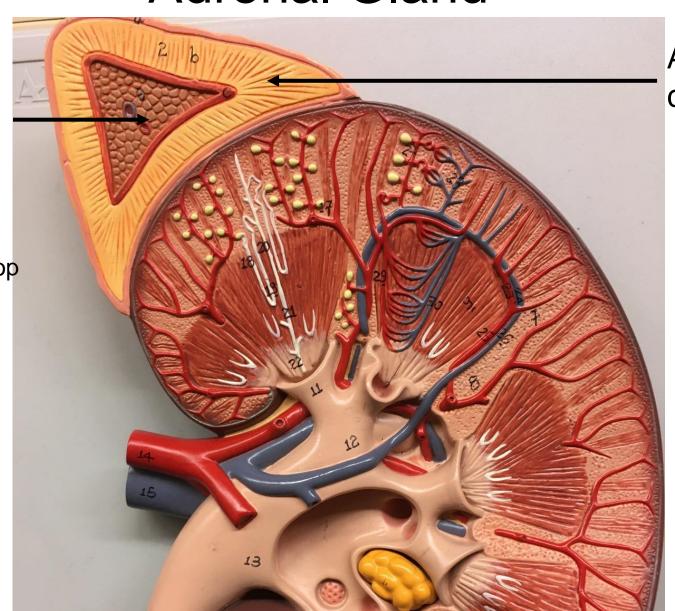




Adrenal Gland

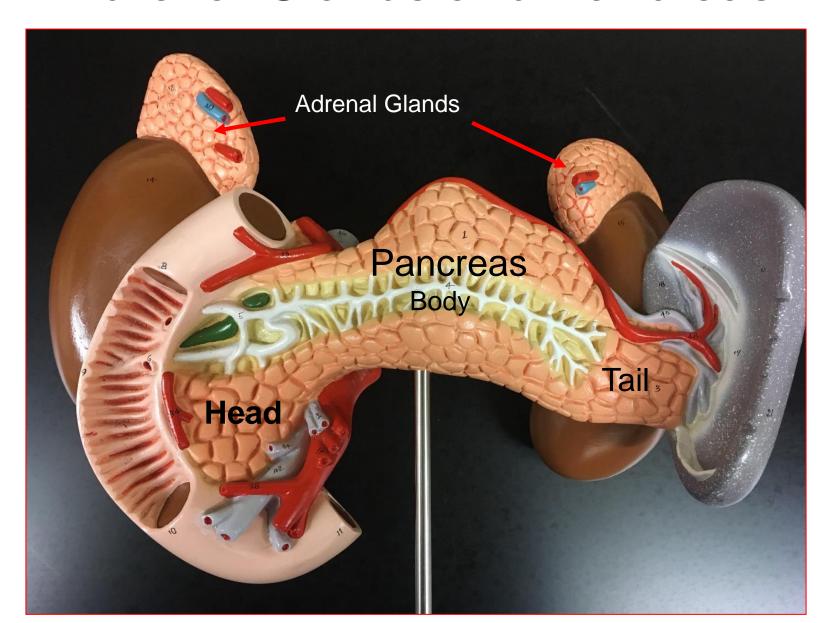
Adrenal medulla

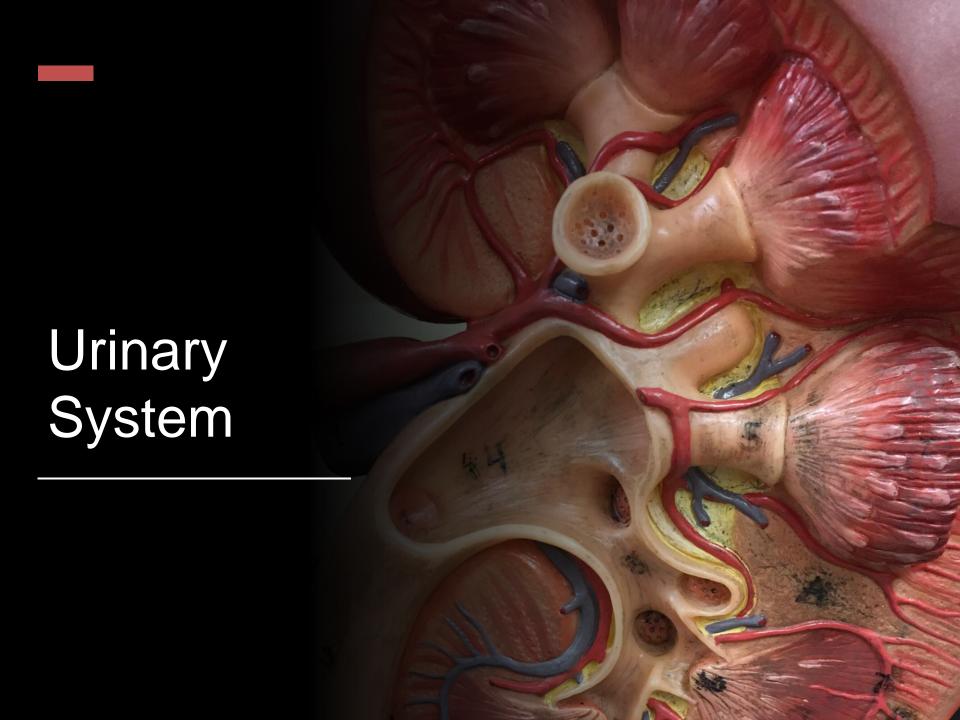
The adrenal gland sits on top of the kidney



Adrenal cortex

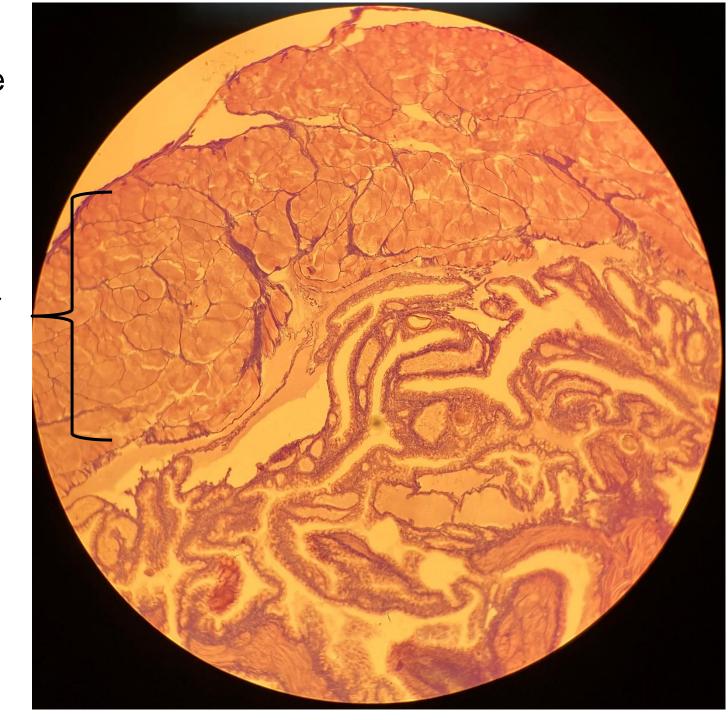
Adrenal Glands and Pancreas



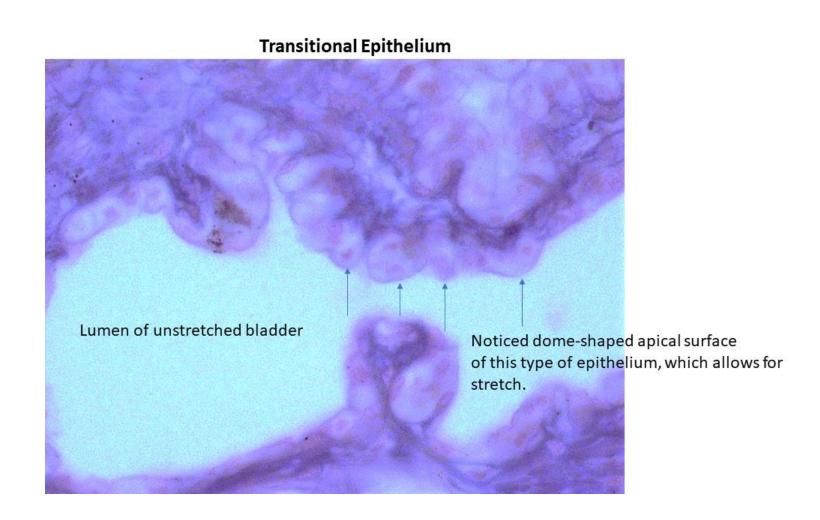


Identify the detrusor muscle in the urinary bladder

Detrusor Muscle



Transitional Epithelium



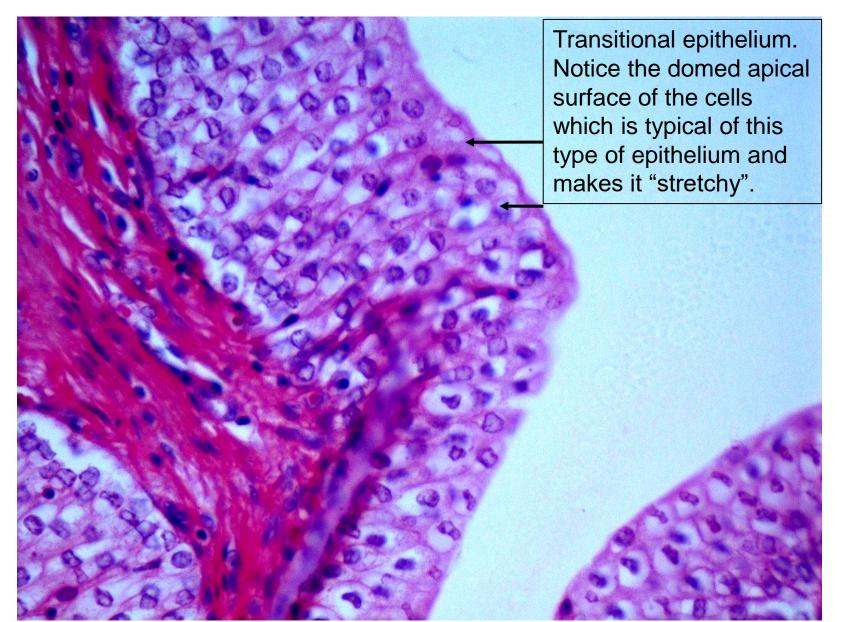
Transitional Epithelium Higher Magnification

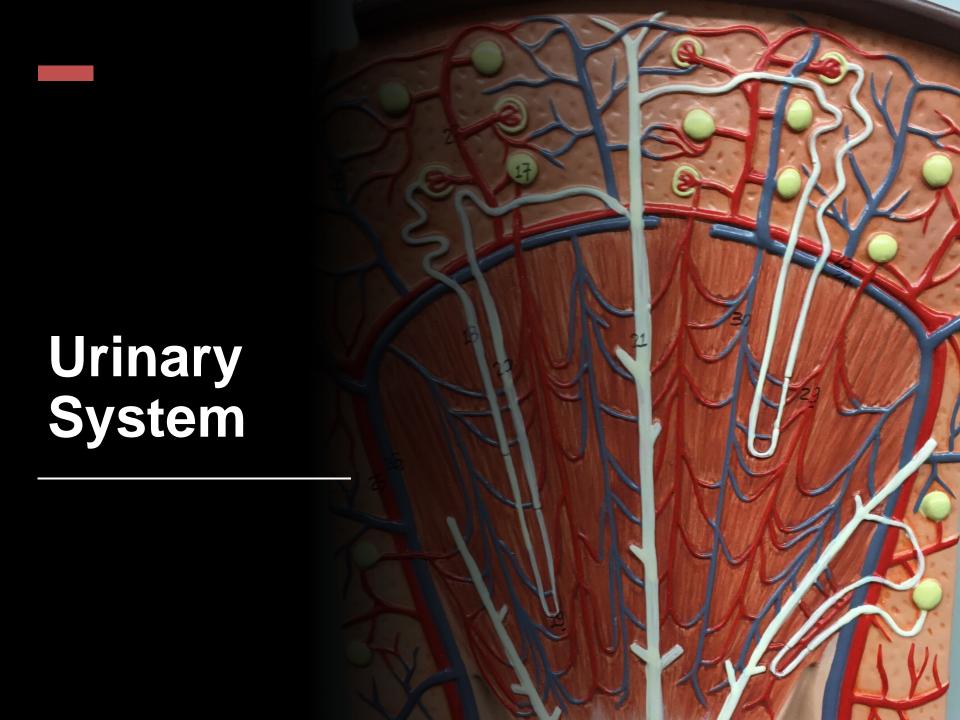
Transitional Epithelium

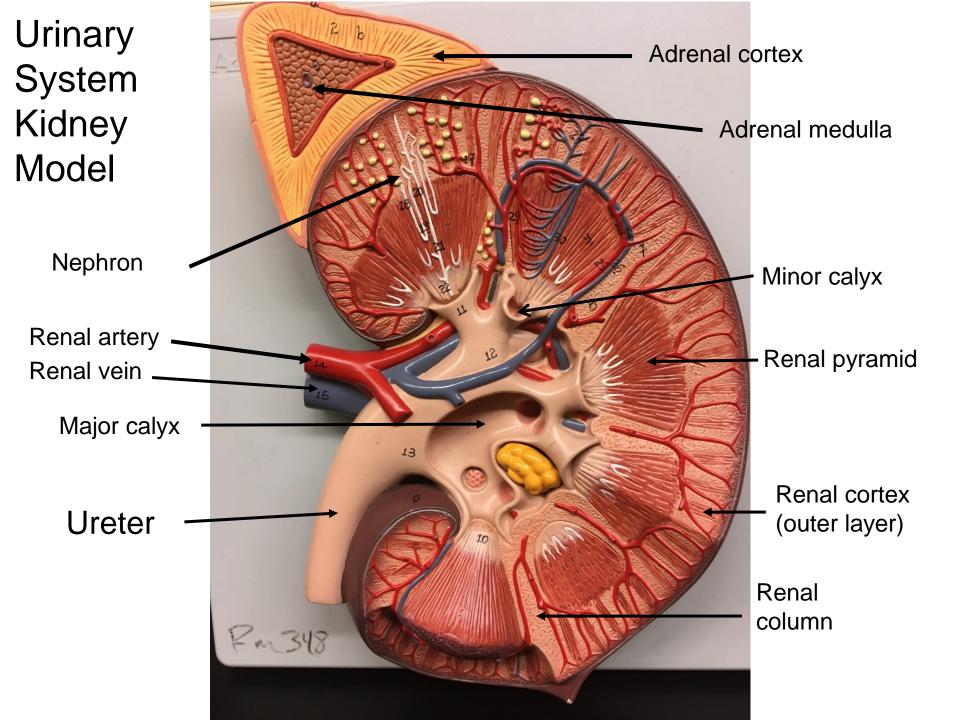
Noticed domed apical surface, which allows for stretch of this type of epithelium.

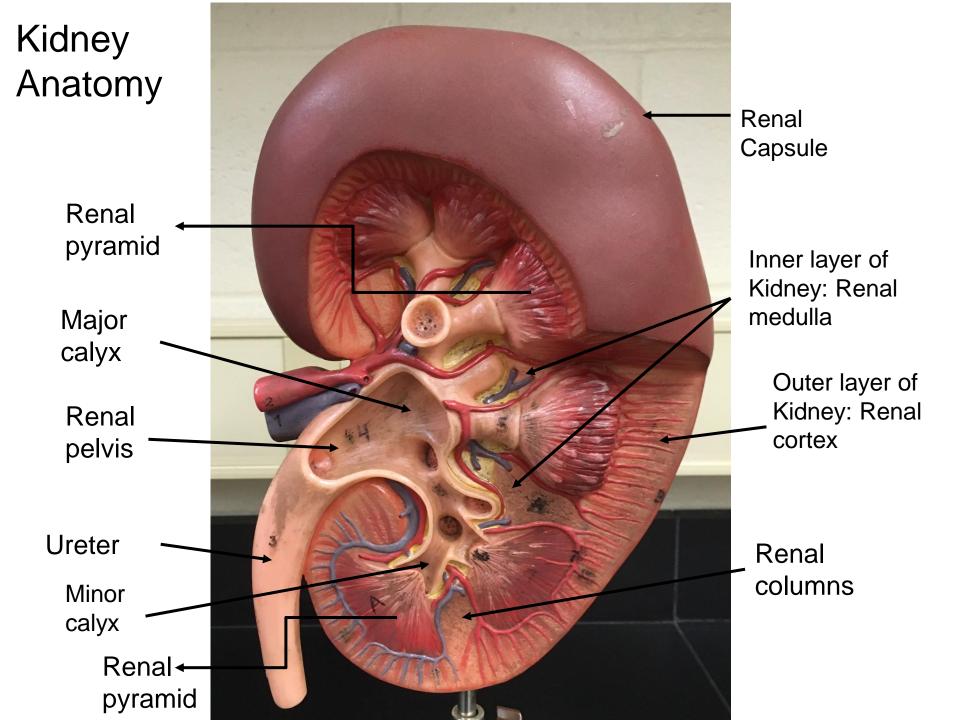
Lumen of unstretched bladder.

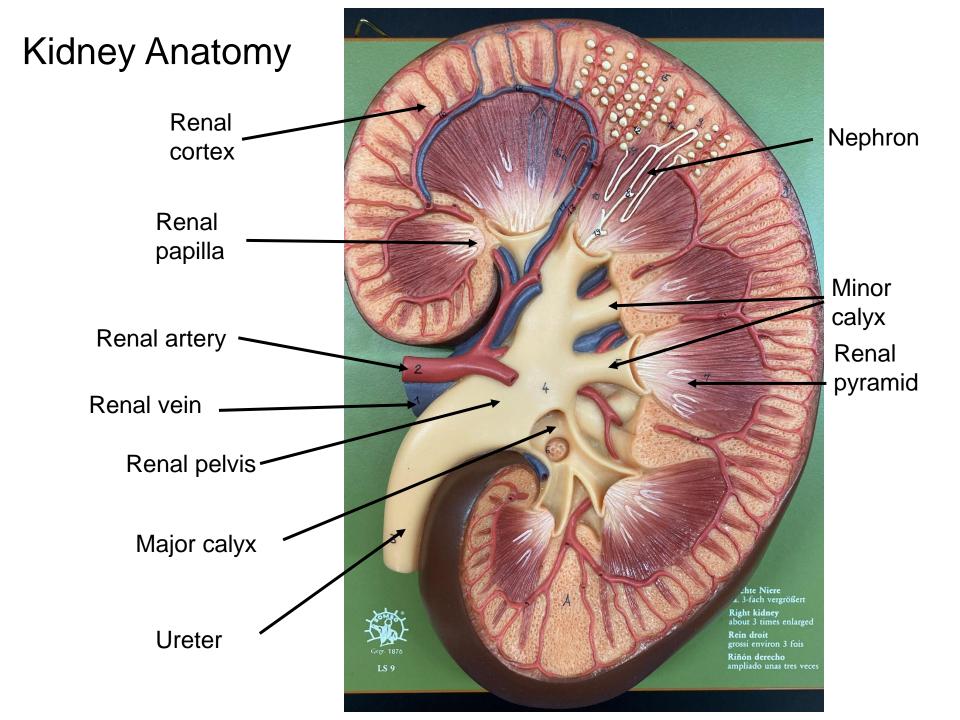
Transitional Epithelium











Nephron

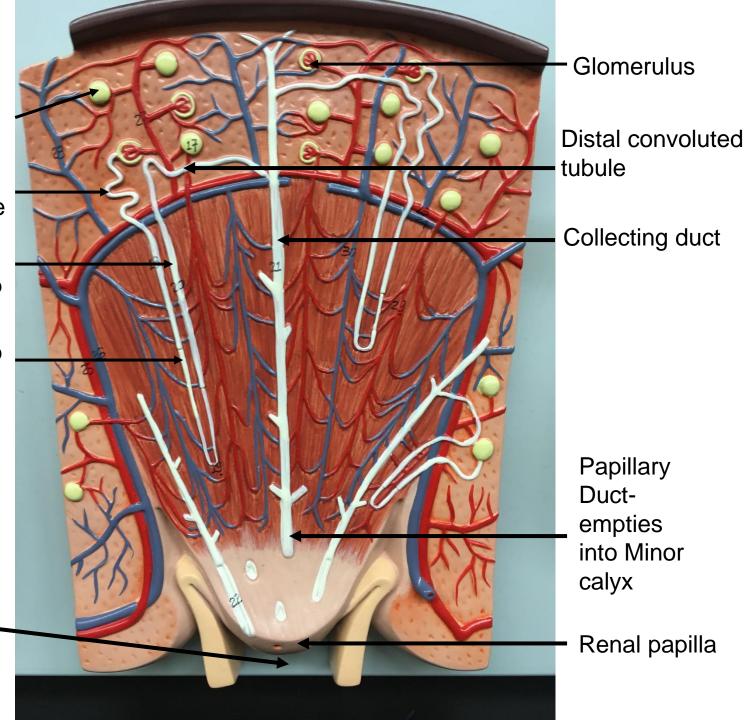
Renal corpuscle

Proximal convoluted tubule

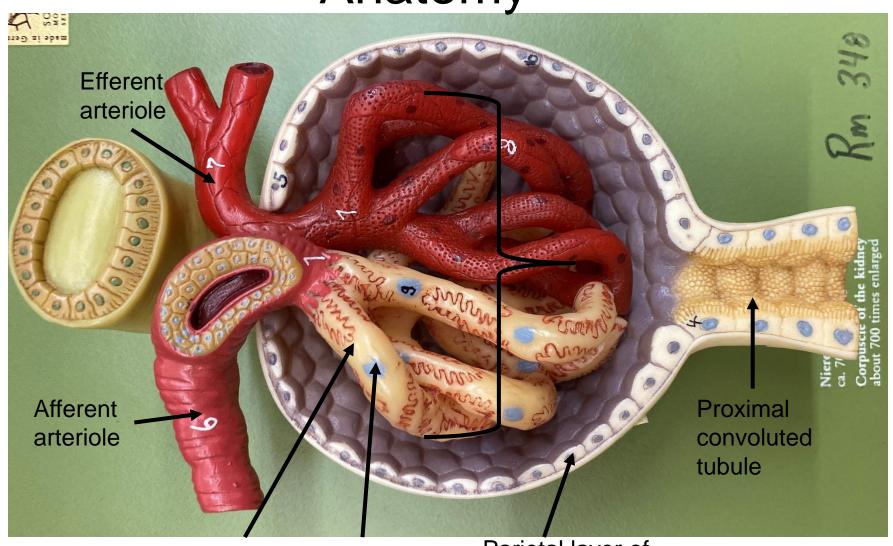
Ascending limb of nephron loop

Descending limb of nephron loop

Minor calyx



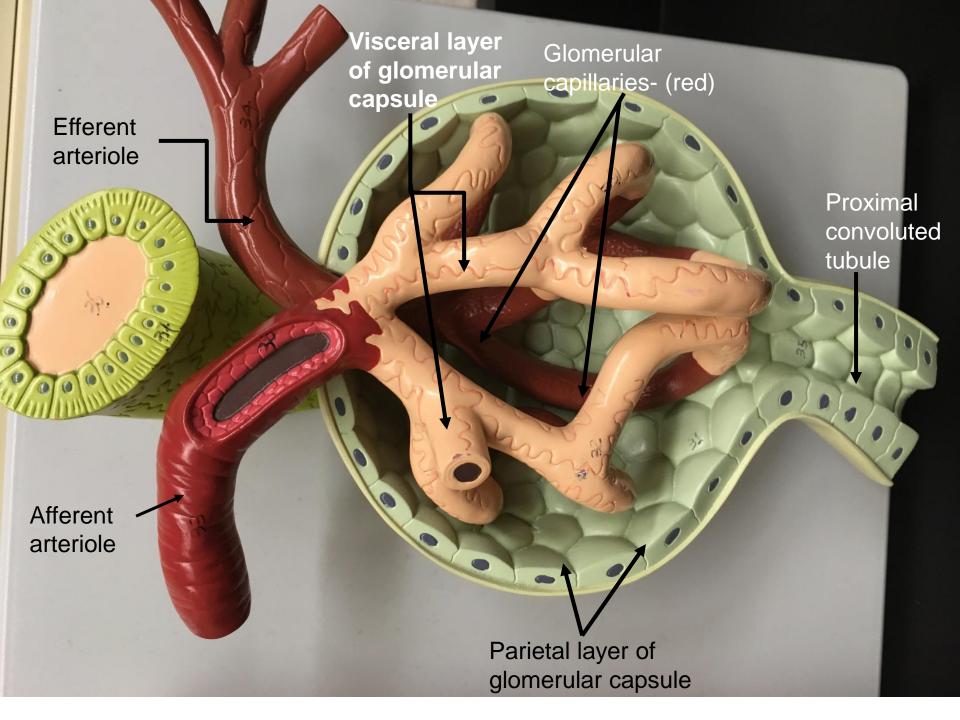
Renal Corpuscle Anatomy



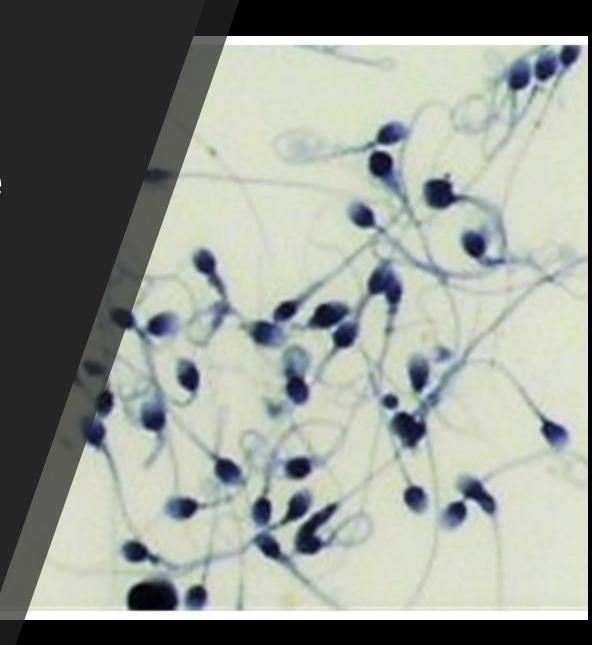
Visceral layer of glomerular capsule

Podocyte

Parietal layer of glomerular capsule



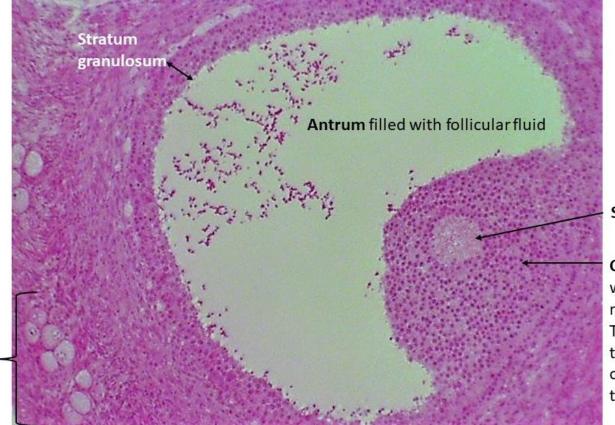
Reproductive System



Reproductive System- Female

Identify the following structures in the female Mature Graafian Follicle

Mature Graafian Follicle



Primary follicles

in the surface of the ovary.

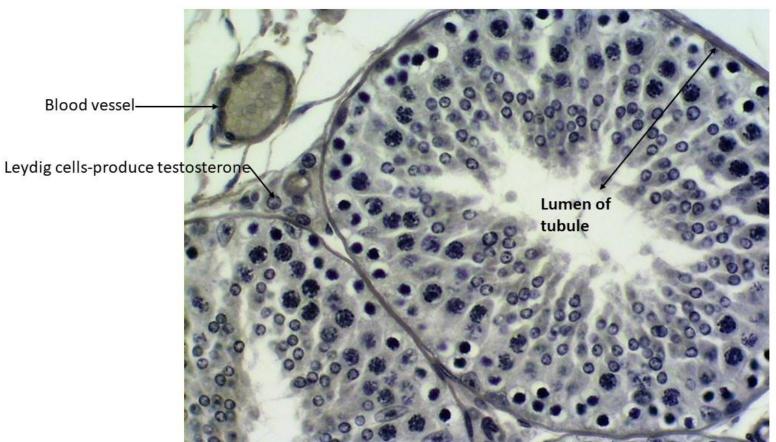
Secondary Oocyte

Cumulus oophorus, which is a thickened mound of granulosa cell: These cells that surround the oocyte and remain a ovulation are called the corona radiata.

Reproductive System- Male

Identify the following structures in the Testes

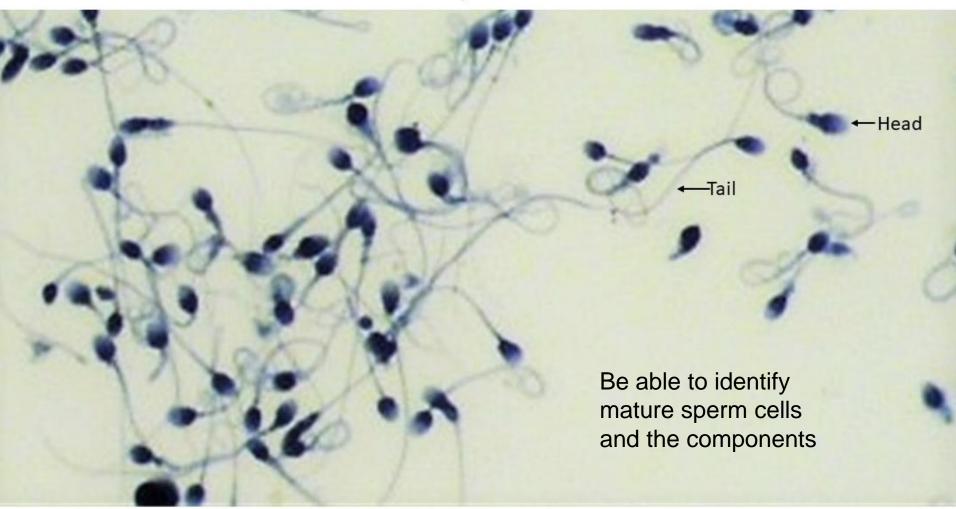
Cross-Section of Seminiferous Tubule in Testes

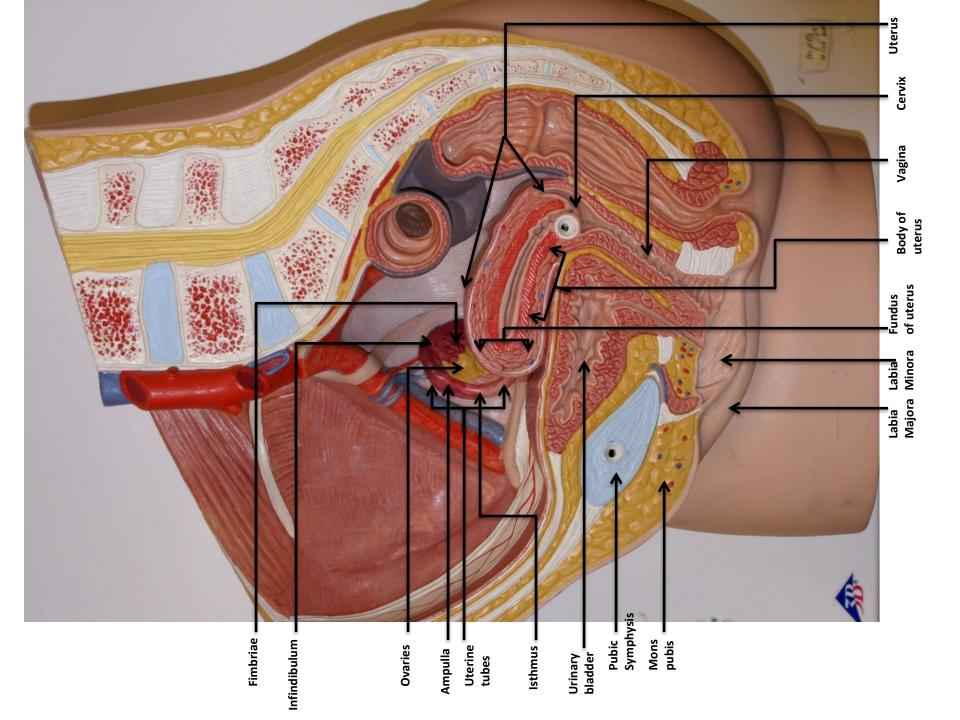


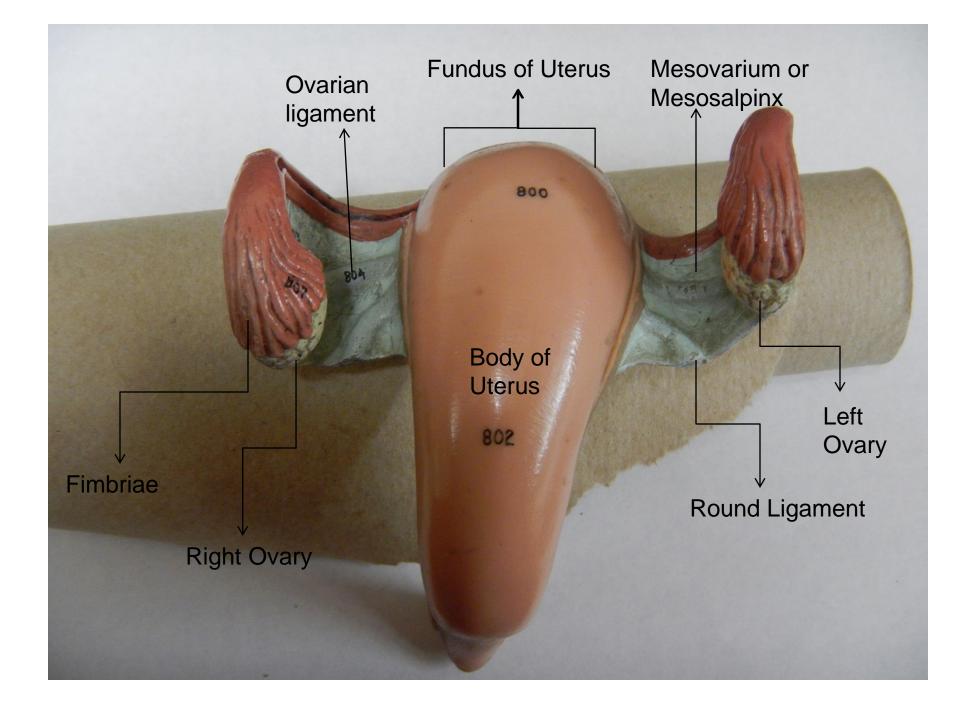
Spermatogenic cells in process of spermatogenesis.

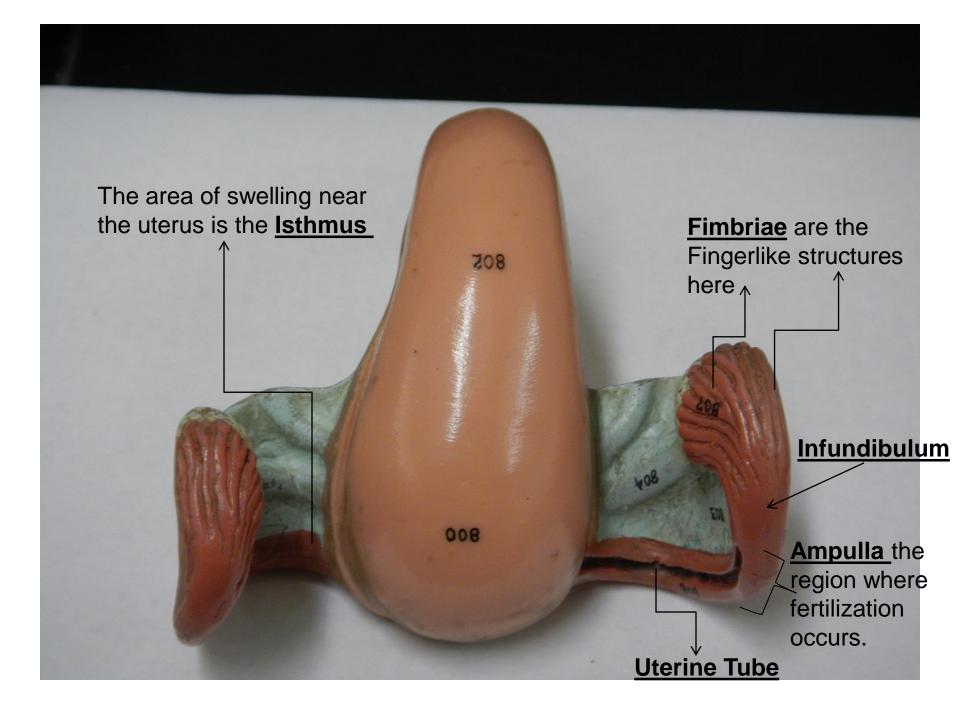
Reproductive System- Male

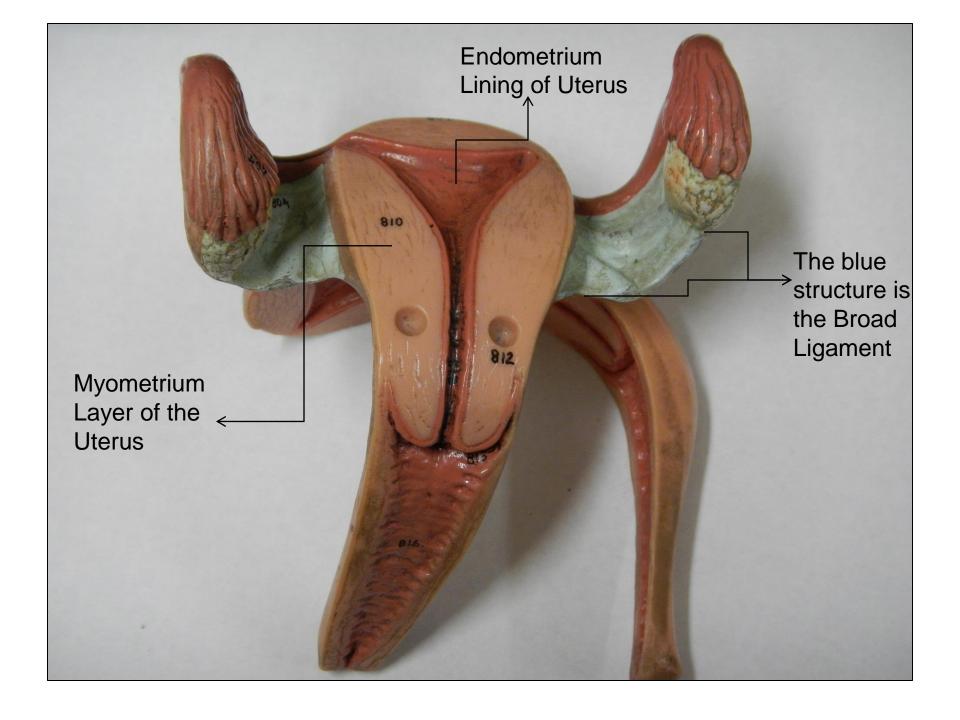
Mature Sperm Cells

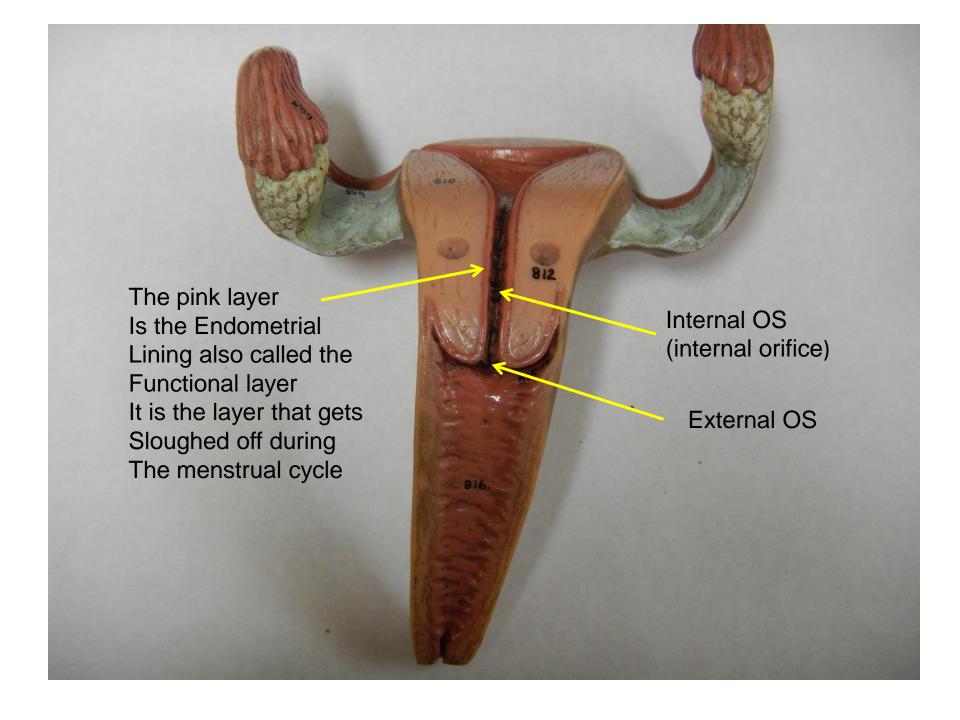


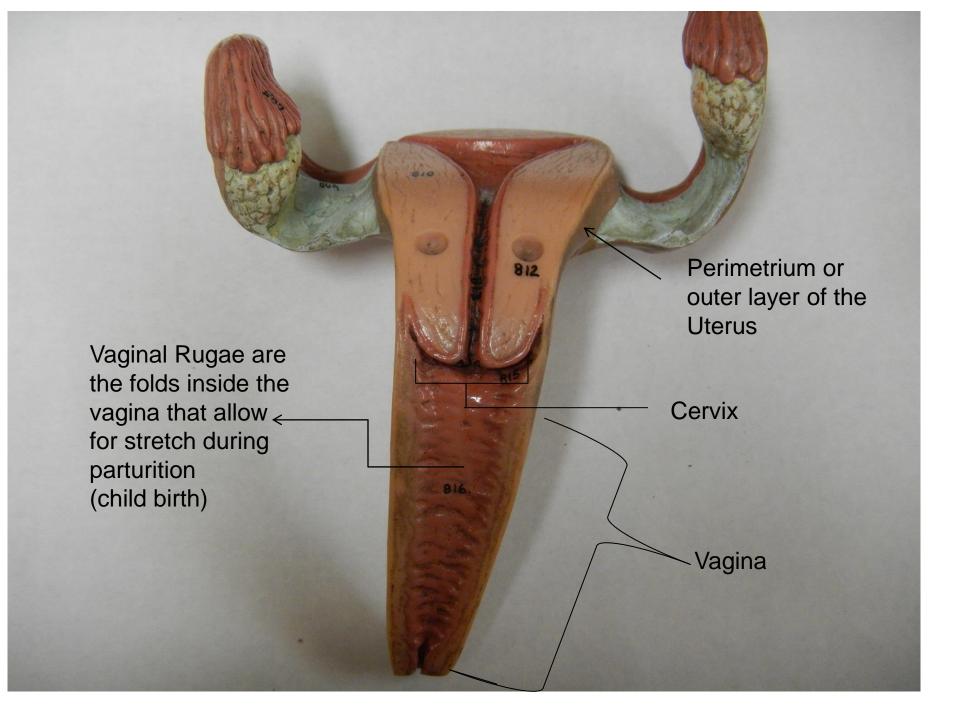




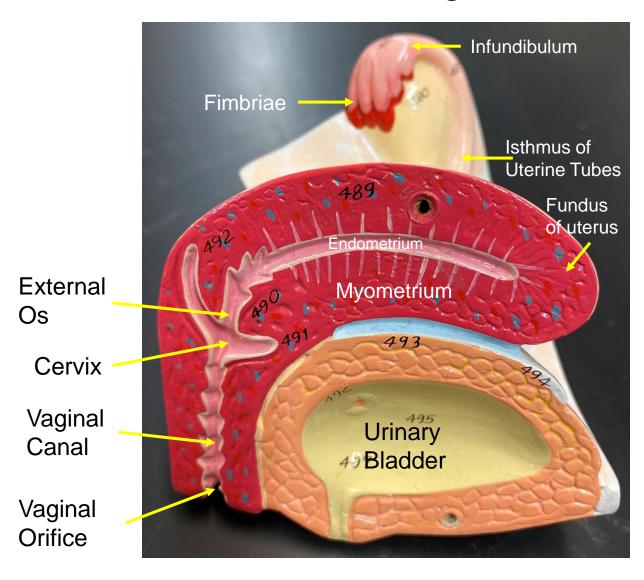


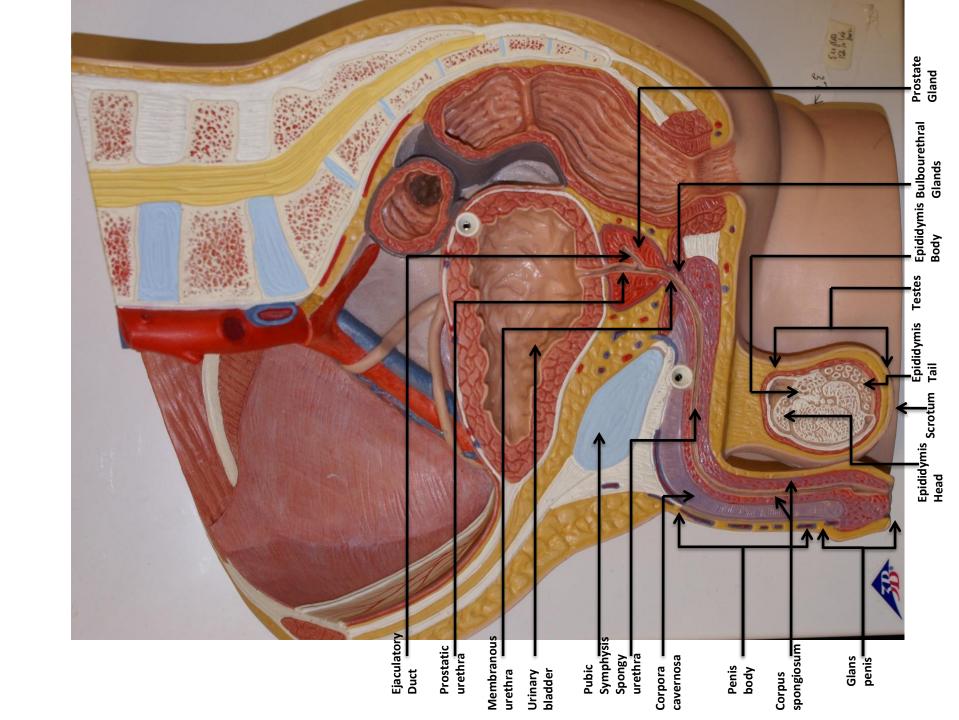






Female Reproductive System Internal Organs





Urinary System and Male Reproductive System Model

Ureters

Urinary bladder

Seminal vesicles

Kidney Abdominal aorta Inferior vena cava Ampulla of the Vas deferens Prostate gland

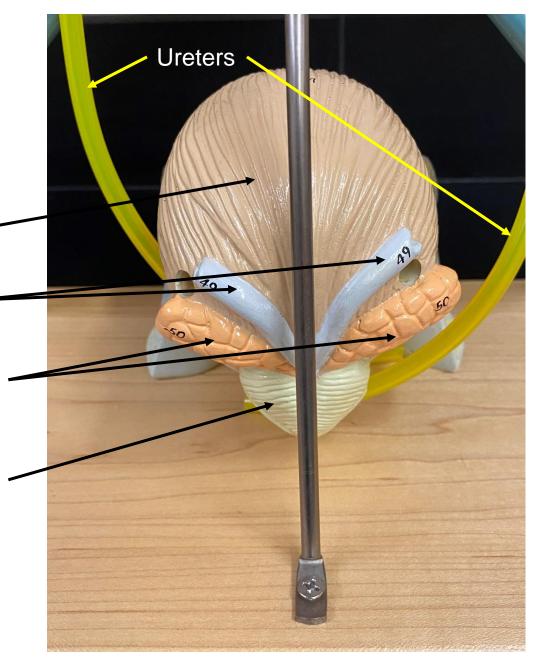
Urinary System and Male Reproductive System Model

Urinary bladder

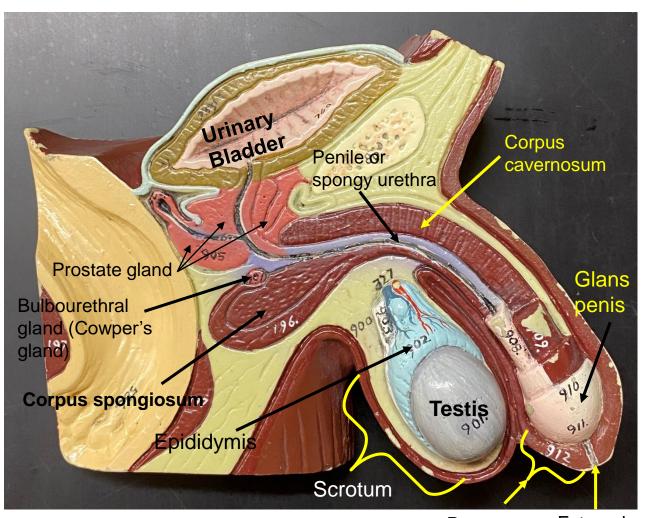
Ampulla of the Vas deferens

Seminal vesicles

Prostate gland



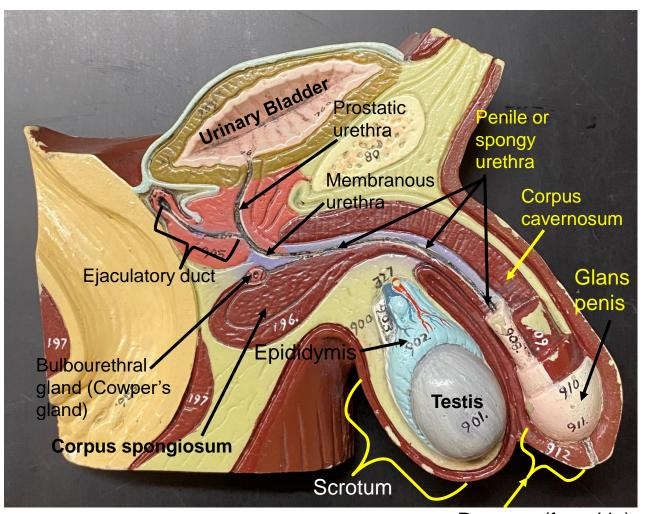
Male Reproductive System External and Internal Structures



Prepuce (foreskin)

External urethral orifice

Male Reproductive System Ducts and Urethra



Prepuce (foreskin)