

## **LECTURE 27: THE REPRODUCTIVE SYSTEM**

### **OVERALL GOALS**

- A. Explain the structures specific to male and reproductive systems
- B. Explain the structures (in appropriate order) involved in the route sperm and egg take beginning with site of formation

### **SPECIFIC GOALS**

#### **STRUCTURE/FUNCTION: MALE/FEMALE REPRODUCTION**

- 1) Describe basic functions of the male and female reproductive systems
- 2) Describe the gross anatomy of the scrotum, distinguishing between the dartos muscle and the cremaster muscles
- 3) Describe the location, gross anatomy, and function of the testes
- 4) Describe the location and function of the epididymis, ductus deferens, spermatic cord, and urethra
- 5) Describe the location, structure, and function of the ovaries
- 6) Describe the location, structure, and function of the uterine tubes, including how an ovulated oocyte enters the tube, as well as how it is propelled along the tube
- 7) Describe the location, anatomy, and function of the uterus
- 8) Describe the location, anatomy, and functions of the vagina

#### **PATHWAY: MOVEMENT OF GAMETES**

- 9) Describe the formation of immature sperm within the testes and the maturation of the sperm in the epididymis
- 10) Trace the route traveled by sperm cells from the testis, through the epididymis, ductus deferens, ejaculatory duct, urethra, external urethral orifice
- 11) Describe the location, structure, and function of the uterine tubes, including how an ovulated oocyte enters the tube, as well as how it is propelled along the tube

#### **Optional:**

- 13) Identify the location, structure, and functions of the accessory glands involved in semen production: the seminal vesicles, the prostate, and the bulbourethral glands
- 14) Identify examples of disorders of the reproductive system