

Test Prep 3

Male Reproductive Anatomy

What are the 6 basic components of the male reproductive tract?

Scrotum layers:

Layer	Definition
Scrotal Skin	
Tunica Dartos	
Scrotal Fascia	
Parietal Vaginal Tunic	

What are some ways that thermoregulation occurs?

Testis Layers:

Structure	Definition
Testicular Capsule	
Parenchyma	
Mediastinum	
Rete Tubules	

The Parenchyma is composed of two parts, what are they and what do they contain?

Epididymis:

Structure	Function
Caput (Head)	
Corpus (Body)	
Cauda (Tail)	

What three things make up the spermatic cord?

What are the two parts of the penis?

What are the two types of penis and what species have them?

What are the accessory sex glands?

What are the identifying qualities of a fibroelastic penis?

What is the identifying quality of a musculovascular penis?

What are the muscles associated with the penis?

How does spermatozoa travel through the male reproductive tract?

Spermatogenesis

What are the different phases that make up spermatogenesis and what occurs in each?

Compartments of the seminiferous tubules:

Basal	
Adluminal	
Luminal	

Which kind of sperm is the most sensitive to heat stress?

What is the blood-testis barrier?

Cell Type	Produce	Receptor(s)
Sertoli		
Leydig		

Phases of spermatogenesis

Phase	Sperm type in Phase
Proliferation	
Meiosis - Meiosis 1 & 2	
Differentiation - Golgi Phase - Cap Phase - Acrosomal Phase - Maturation Phase	

What 4 phases make up the differentiation phase?

Reproductive Behavior

What is the ultimate goal of reproduction?

Why is it important to expose young males to mating?

Phase	What happens?
Precopulatory	
Copulatory	
Postcopulatory	

What is the difference between satiation and exhaustion?

What is the refractory period influenced by?

Sperm in the FRT

What are the two types of sperm transport?

What are two ways we 'lose' sperm?

Do sperm have catabolic or anabolic metabolism?

What is capacitation?

What is the true acrosome reaction?

What enzymes are used during the acrosome reaction and what do they do?

Where does the acrosome reaction occur?

What is polyspermy?

What Happens After Ejaculation?