

Match the following term with the definition:

A Bulbocavernosus/Bulbospongiosus **C** Ischiocavernosus **B** Retractor penis muscle

- a. A single muscle that functions to empty the extra-pelvic part of the urethra
- b. Paired muscles that maintains the sigmoid flexure
- c. Paired muscles that compresses the crura and stops return of the blood through veins

What holds the sigmoid flexure in fibroelastic penises?

Retractor Penis Muscle

Is the retractor penis muscle relaxed or flexed when the sigmoid flexure is present?

Flexed

What are the 3 parts of the penis?

Base (root) : attachment part

Shaft : main portion

Glans penis (tip) : homologous to the clitoris in females because it is heavily populated with nerves

How does the ram/buck ejaculate in the female?

The filiform appendage (hair-like extension) sprays the fornix vagina

What types of penile tissue are there? Give examples of animals that have that penis

Fibroelastic – the retractor penis muscles maintain the sigmoid flexure “s shape” to house the penis within the body until erection occurs

- Bull (rotates ~300 degrees counterclockwise at ejaculation)
- Boar (rotates 1 turn flaccid and 6 turns erect to interlock into the female’s cervix)
- Ram/Buck (filiform appendage sprays the semen in fornix vagina)

Musculovascular – lots of erectile tissue, little connective tissue, will engorge upon erection

- Horses, dogs, humans

The rete tubules are located within the mediastinum (CT core / elevator) of the testes and transports spermatozoa and fluid from the seminiferous tubules to the efferent ducts.

In what order, do spermatozoa get transported? (1-11)

Corpus Epididymis	6
Seminiferous Tubules	1
Urethra	11
Rete Tubules	2
Caput Epididymis	5
Vas Deferens	8
Cauda Epididymis	7
Ampulla	9 (except in boars)
Efferent Duct	4
Colliculus Seminalis	10
Mediastinum	3

Leydig cells produce what?

Testosterone

What is essential for spermatogenesis?

Testosterone

Where are Leydig cell located?

Interstitial space

What animals have a fractionated ejaculation?

Stallions and Boars

Where does the minor contribution of seminal plasma come from?

Testis, epididymis, vas deferens, ampulla

Where does the major contribution of seminal plasma come from?

Seminal vesicles, prostate, cowpers (bulbourethral)

What are the functions of seminal plasma?

Transport media, culture media, stimulates sperm motility, retards sperm capacitation, stimulates sperm transport in female