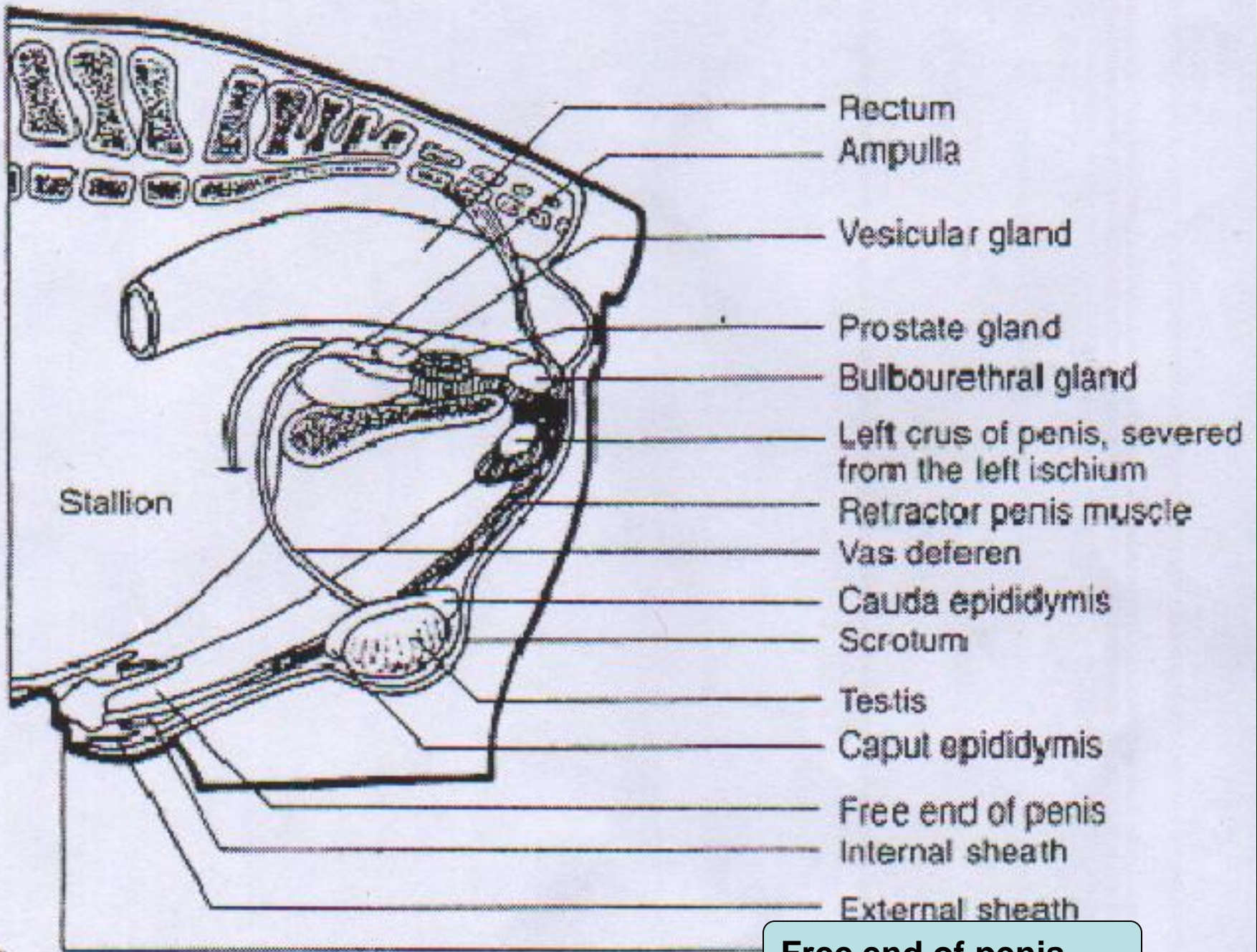


# Male reproductive system Anatomy

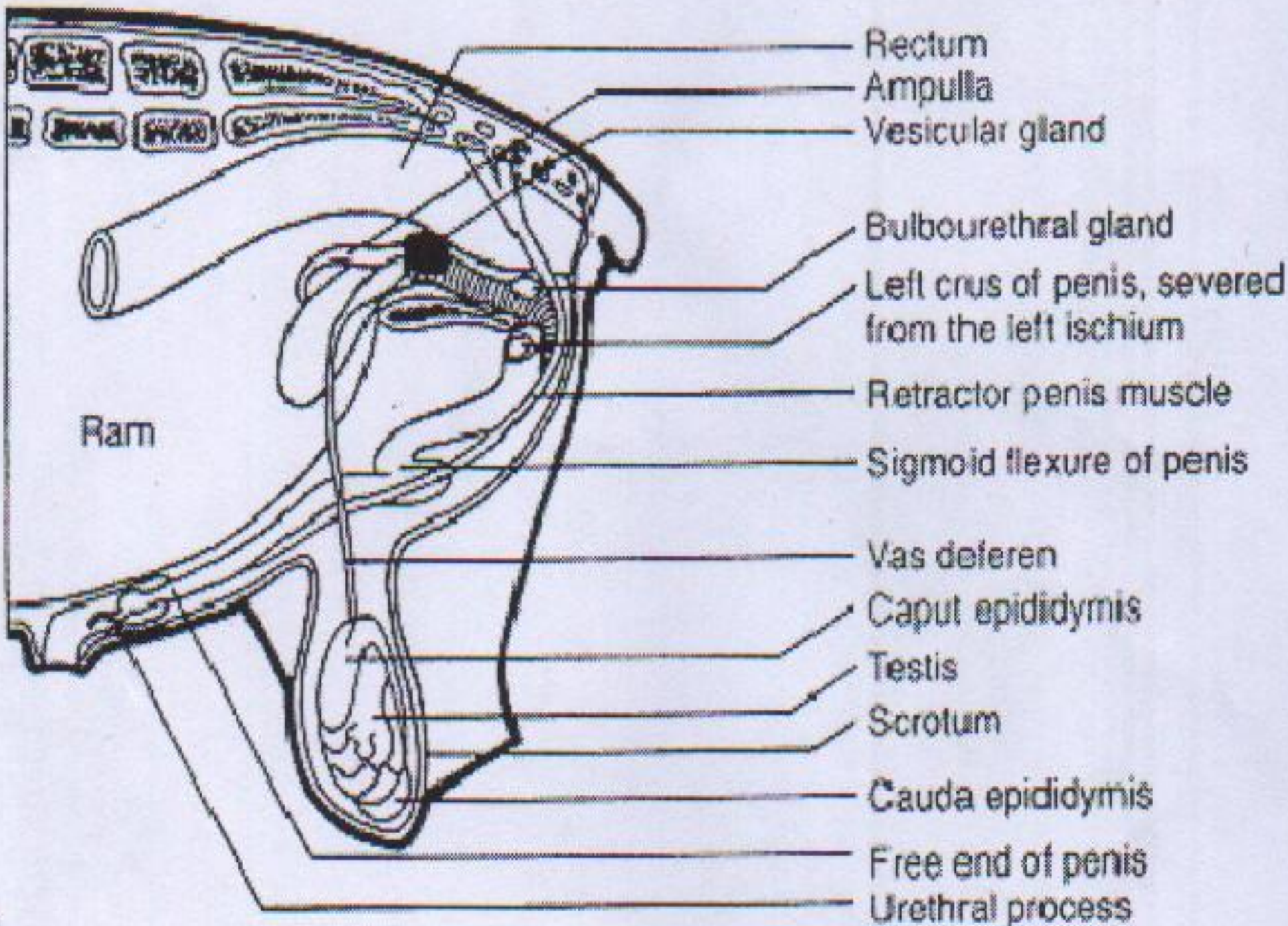
Practical lecture



d)

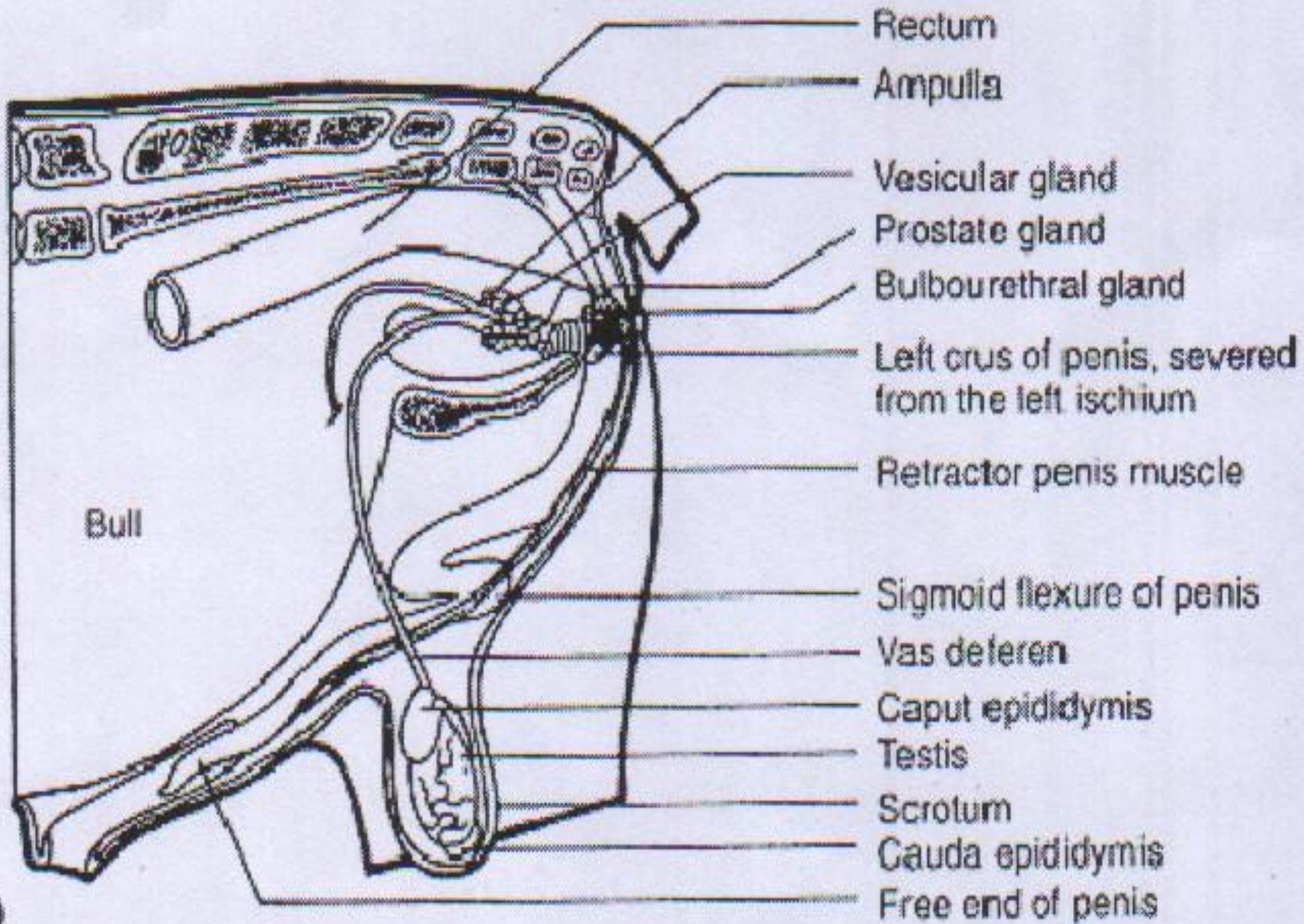
Free end of penis

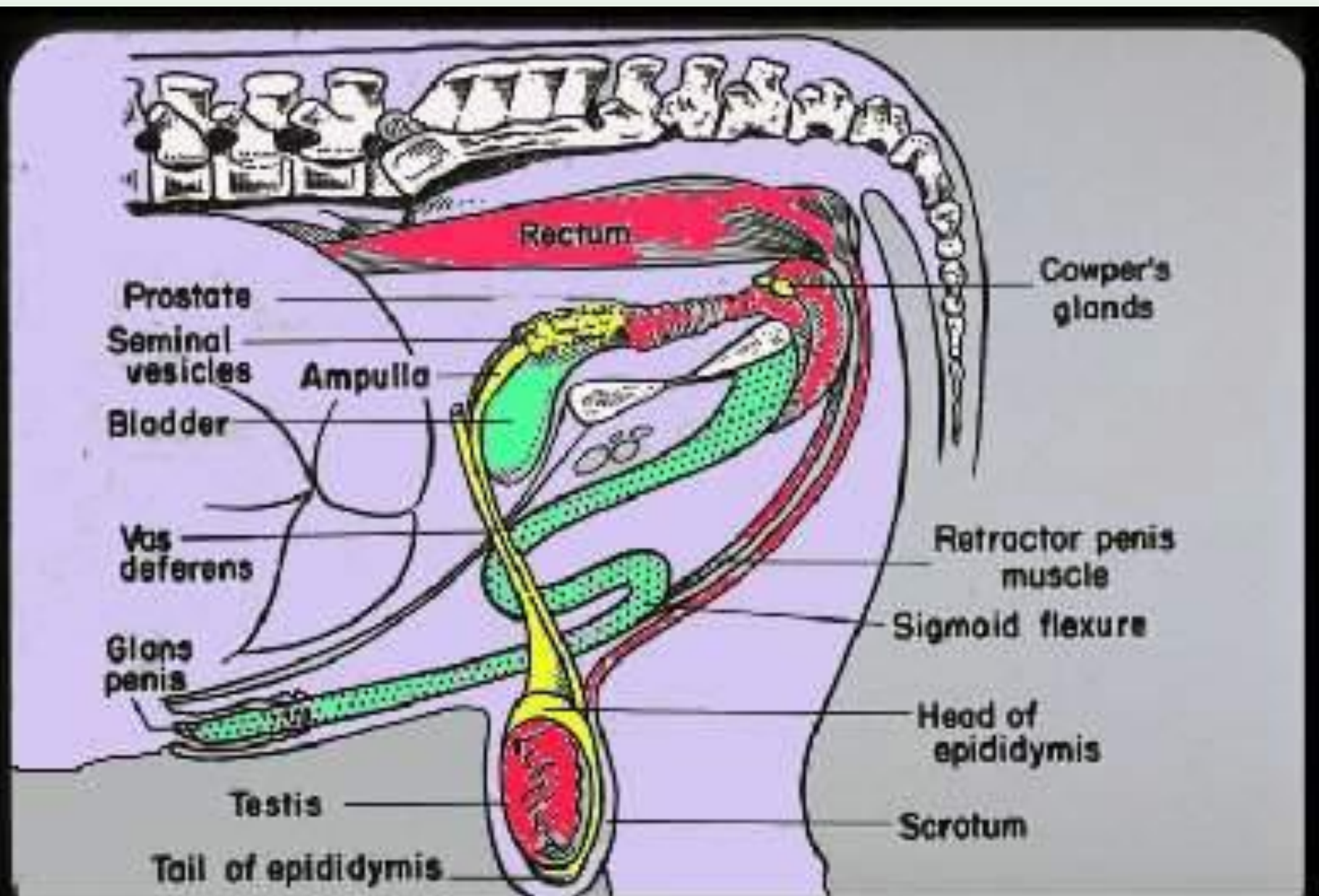




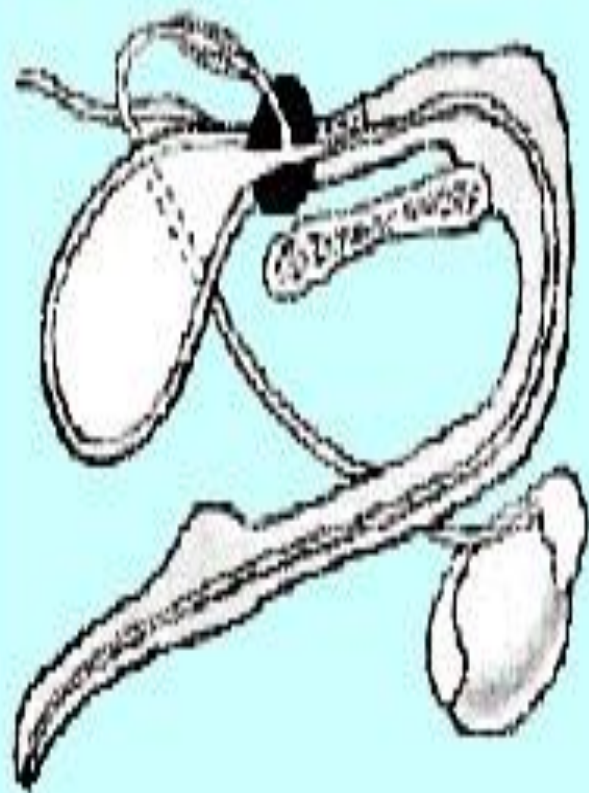
- Rectum
- Ampulla
- Vesicular gland
- Bulbourethral gland
- Left crus of penis, severed from the left ischium
- Retractor penis muscle
- Sigmoid flexure of penis
- Vas deferens
- Caput epididymis
- Testis
- Scrotum
- Cauda epididymis
- Free end of penis
- Urethral process



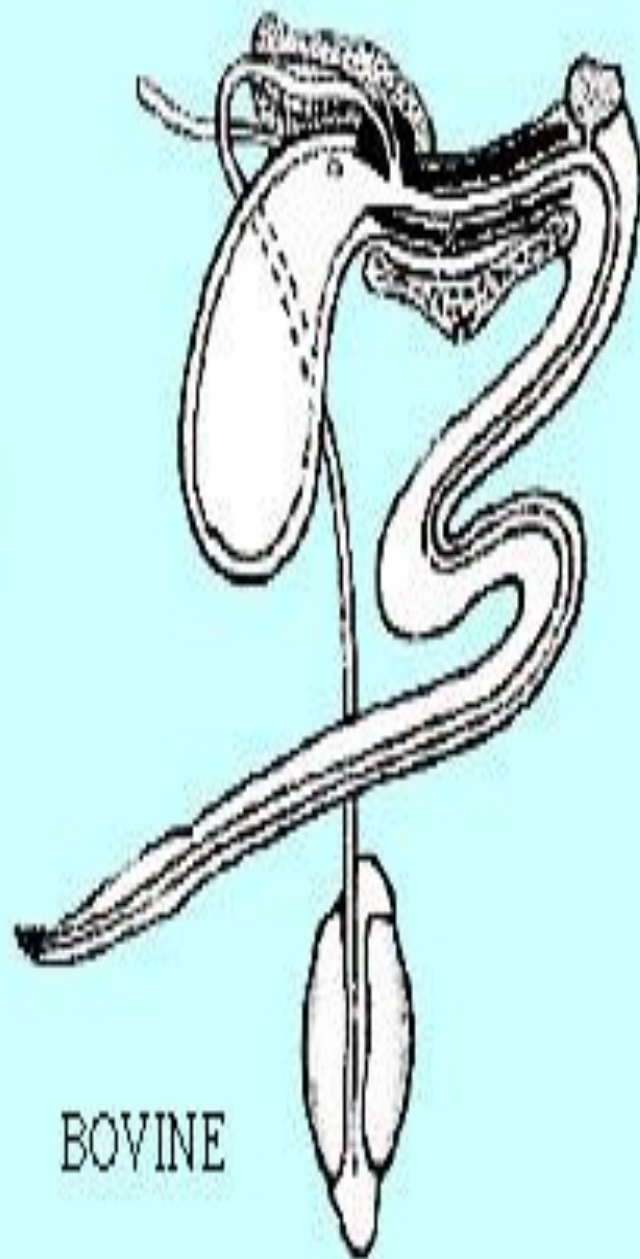




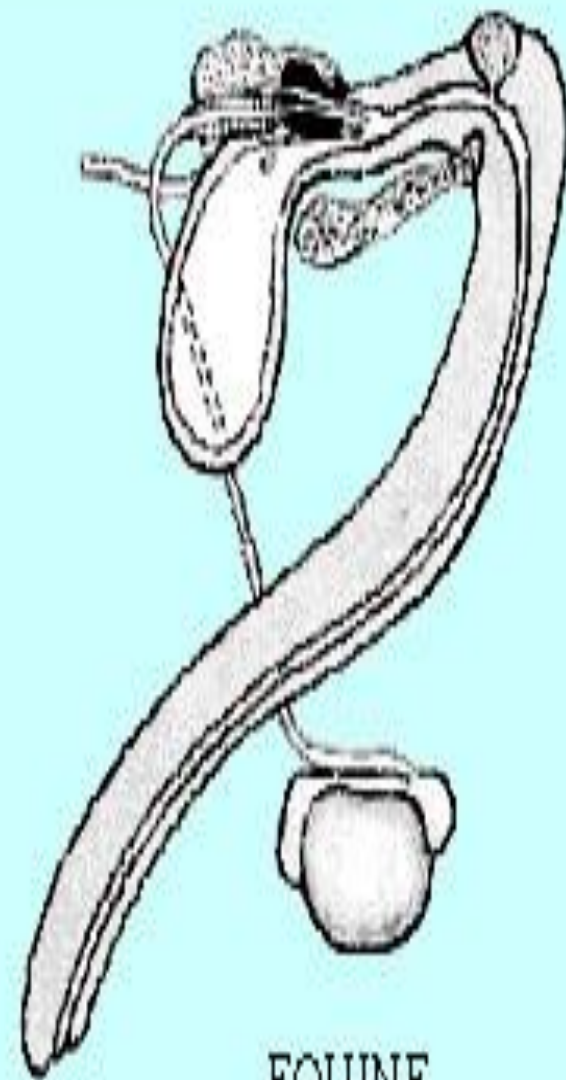




CANINE

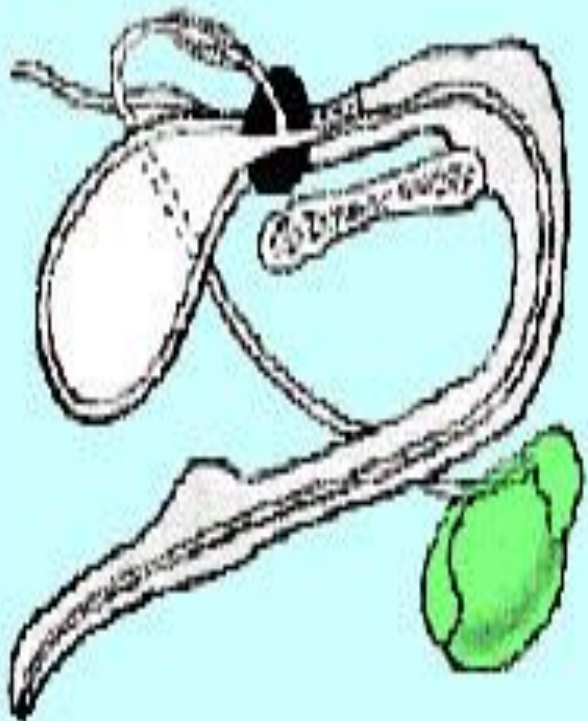


BOVINE

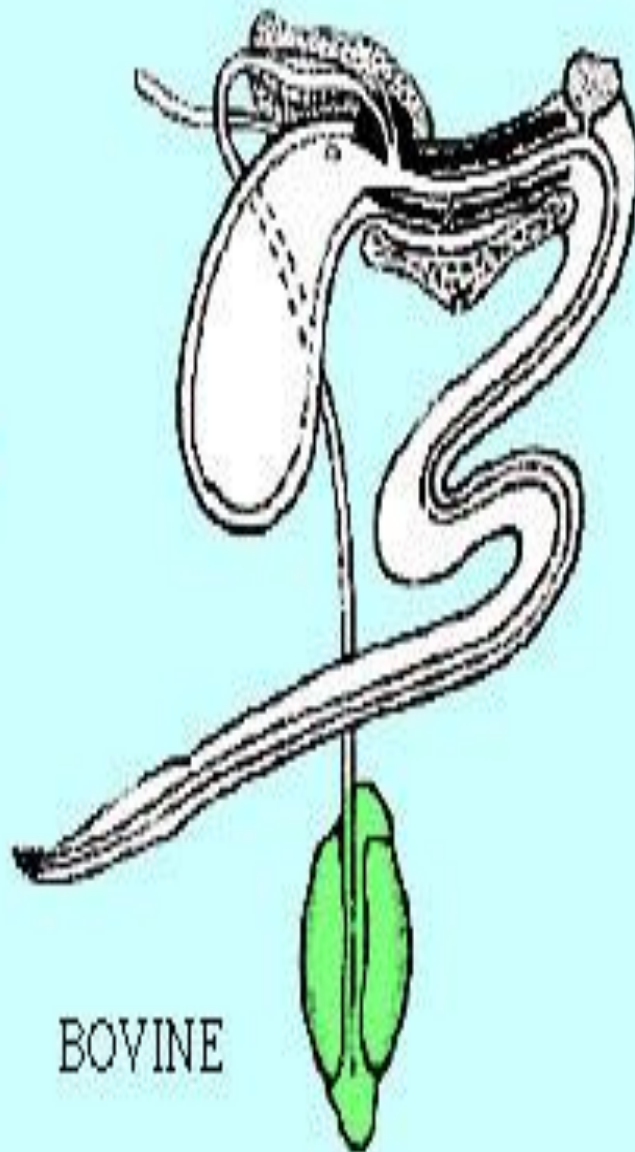


EQUINE

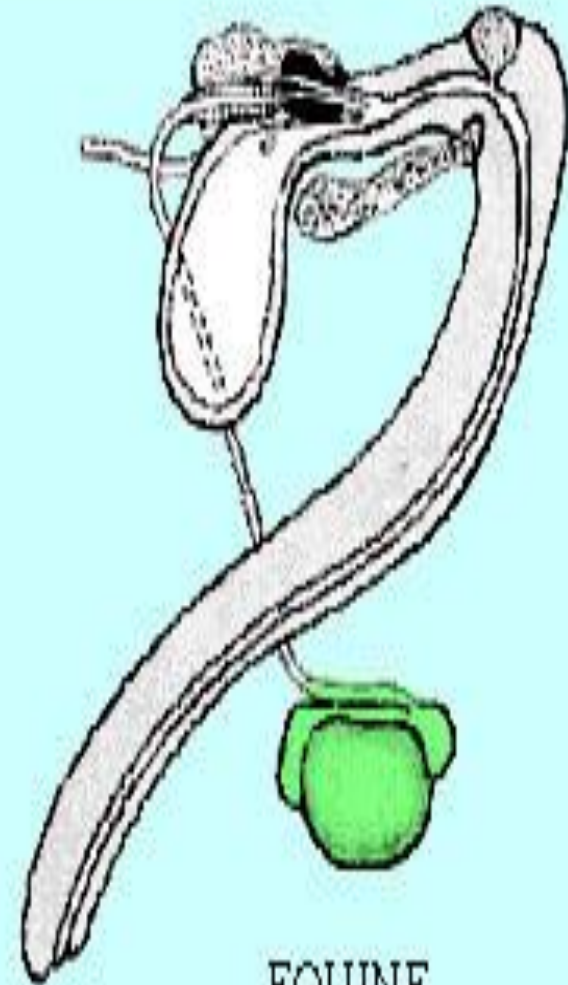
# Testis and epididymis



CANINE



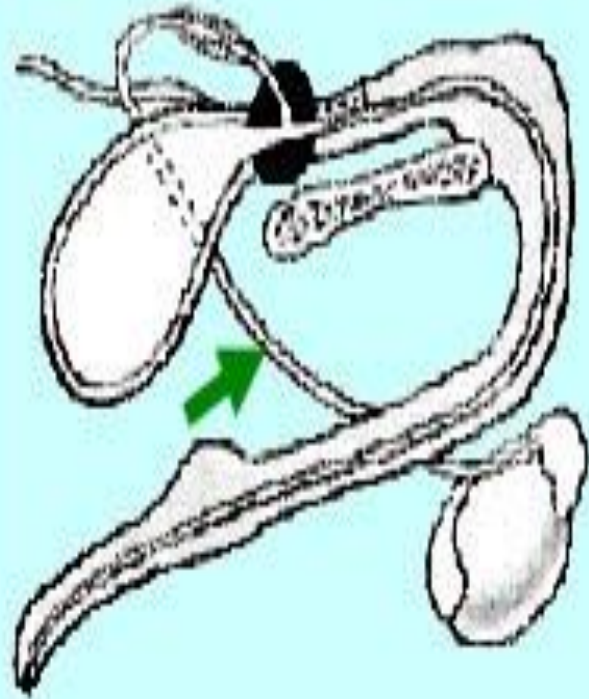
BOVINE



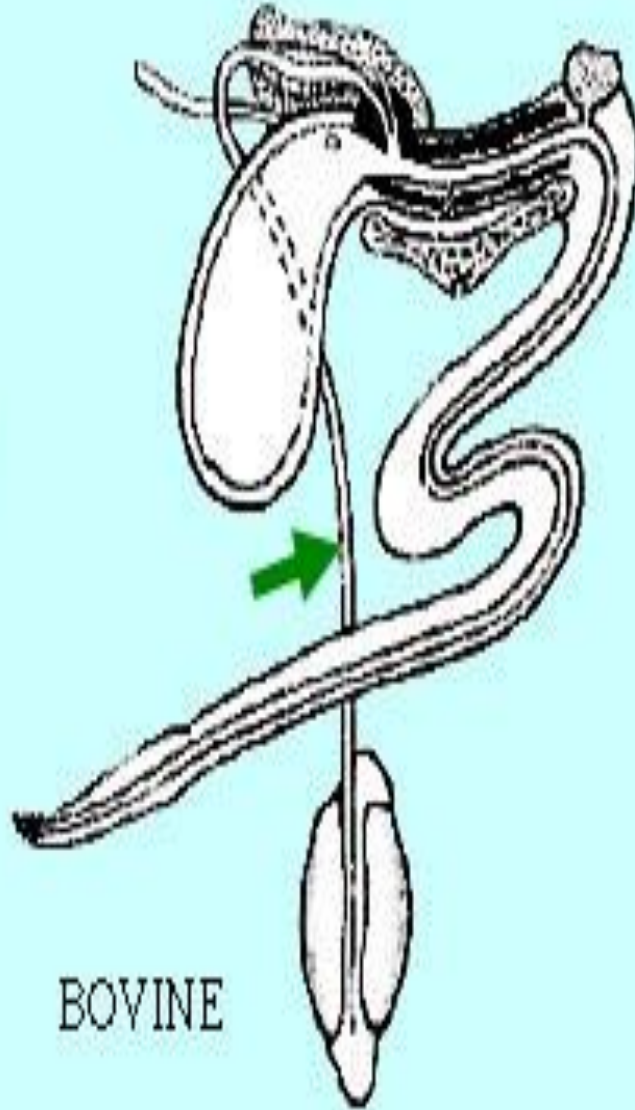
EQUINE



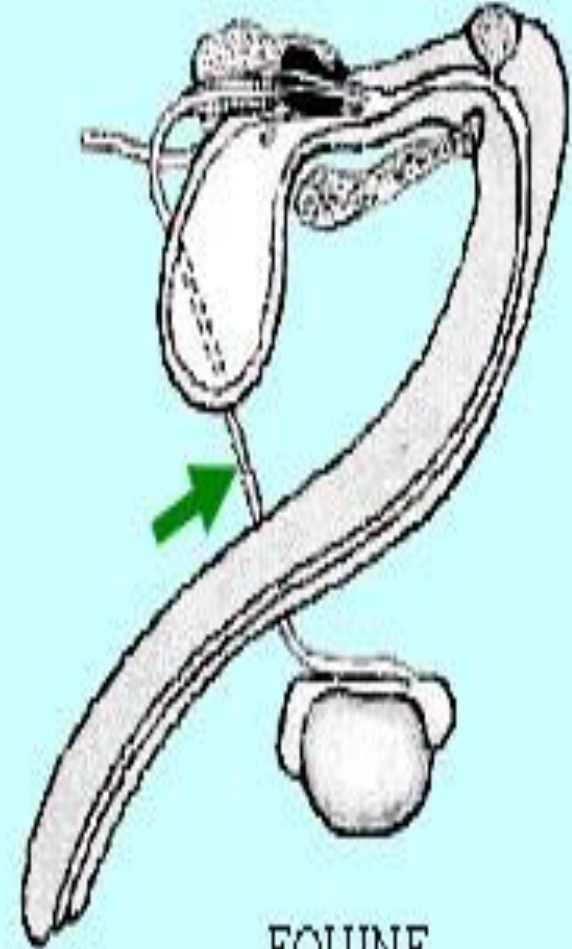
# Ductus deferens



CANINE



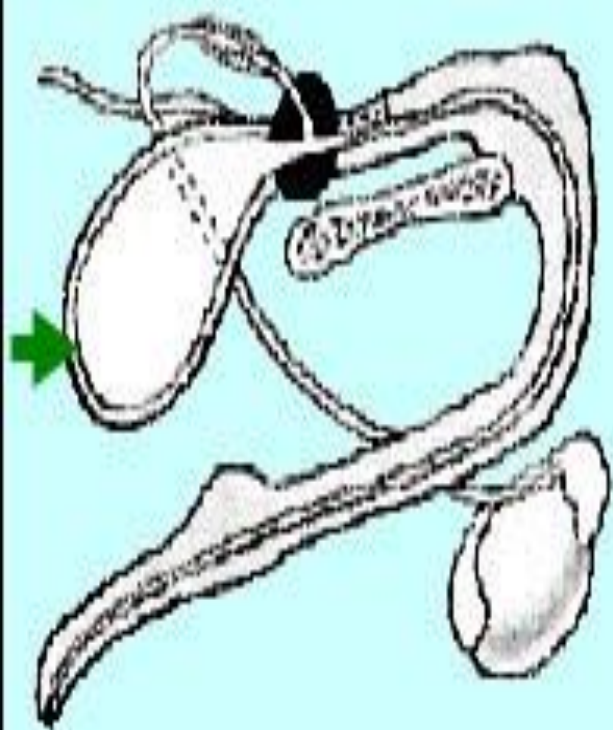
BOVINE



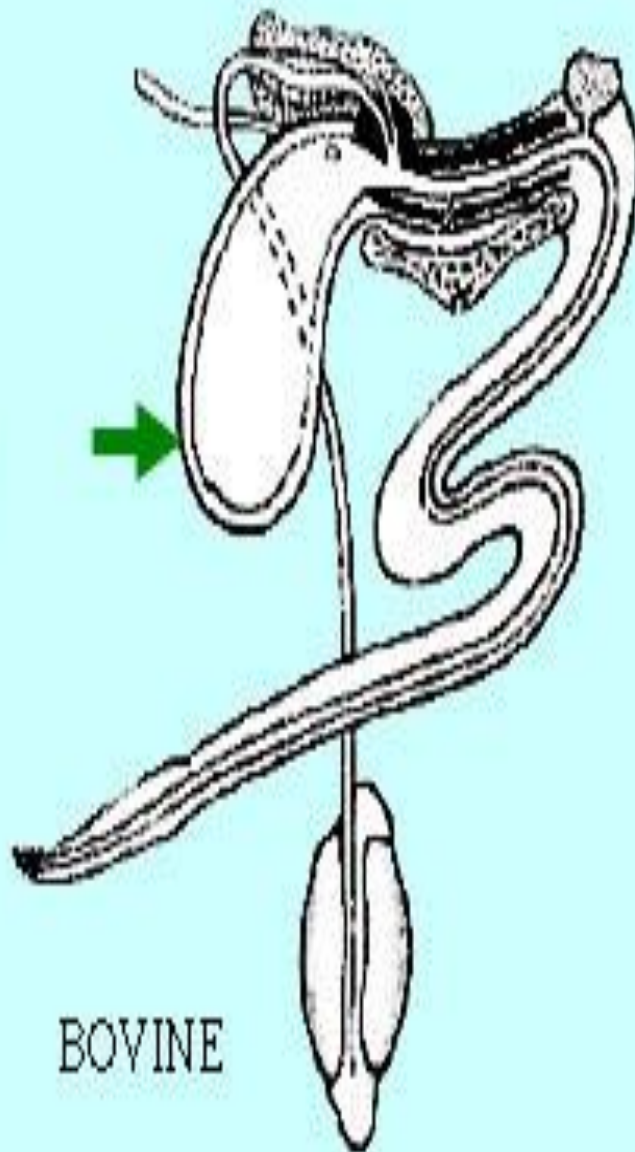
EQUINE



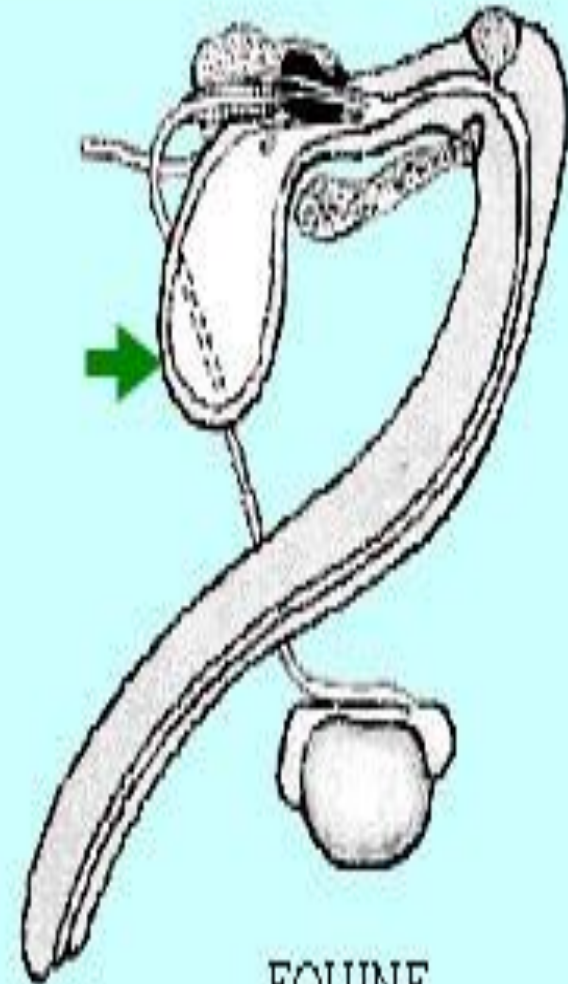
# Urinary bladder



CANINE

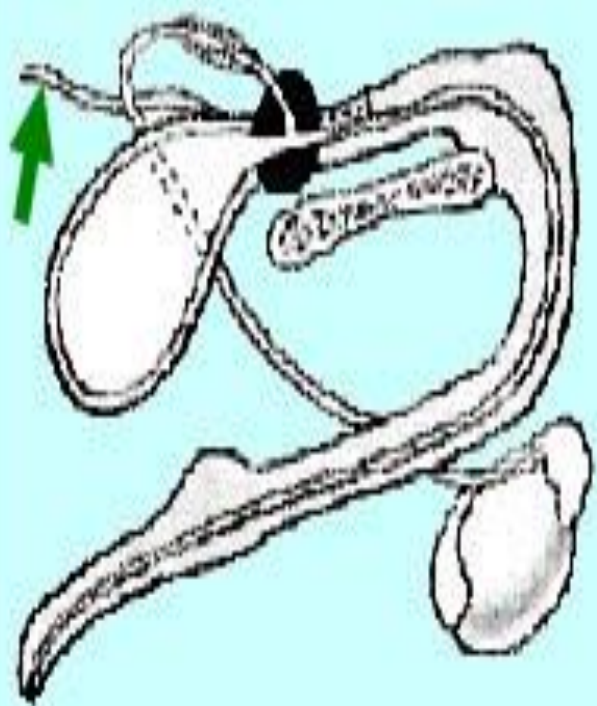


BOVINE

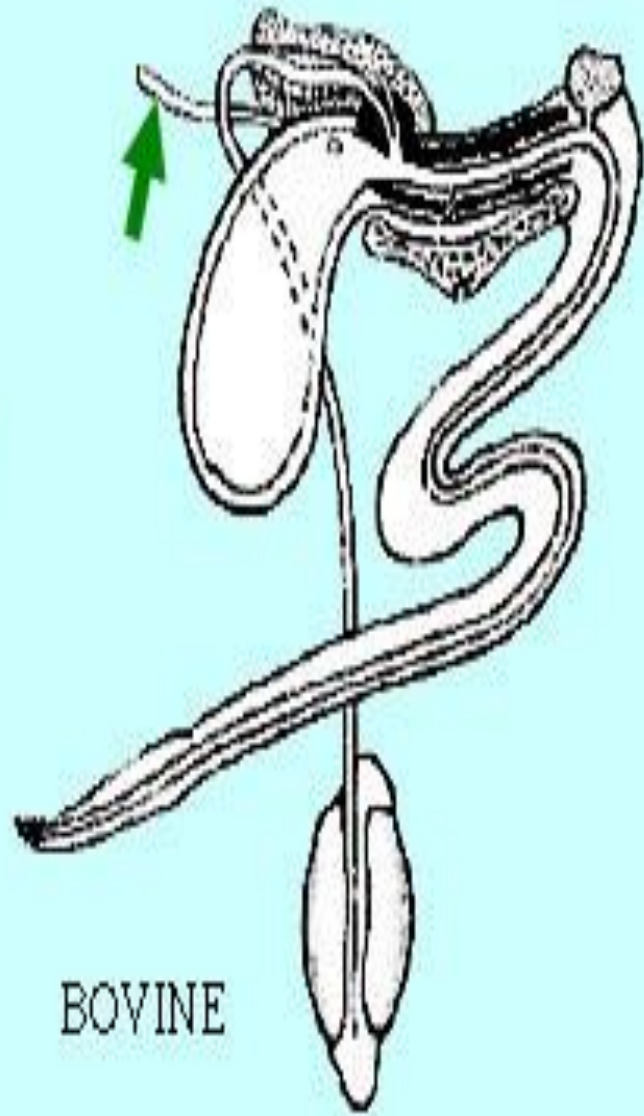


EQUINE

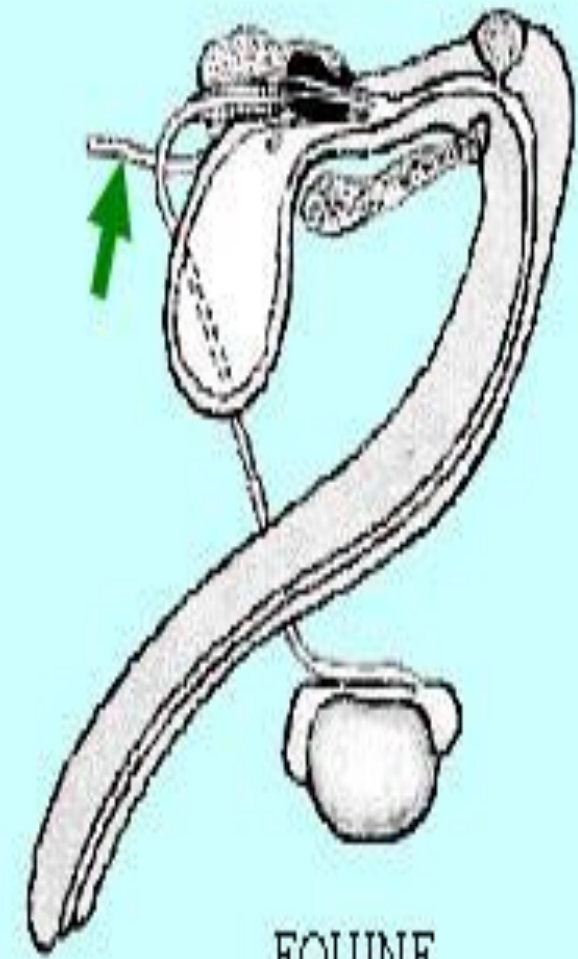
# Ureter



CANINE



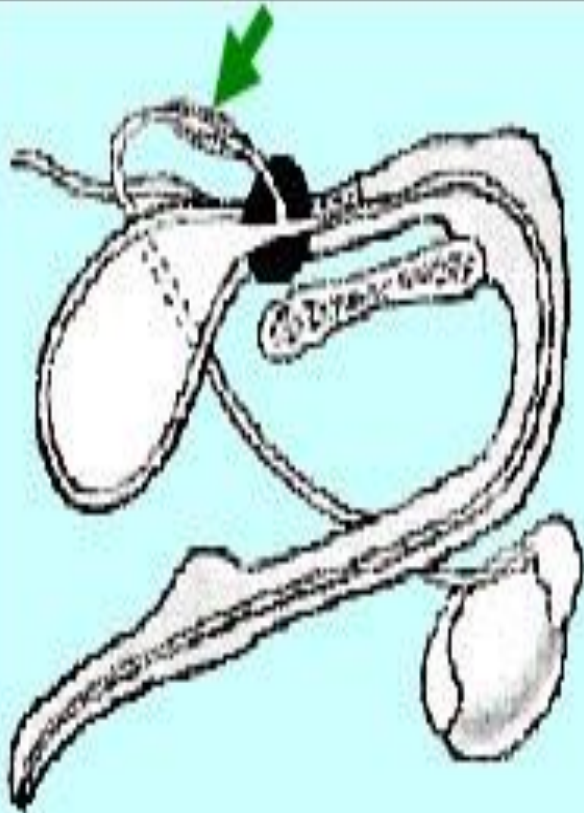
BOVINE



EQUINE



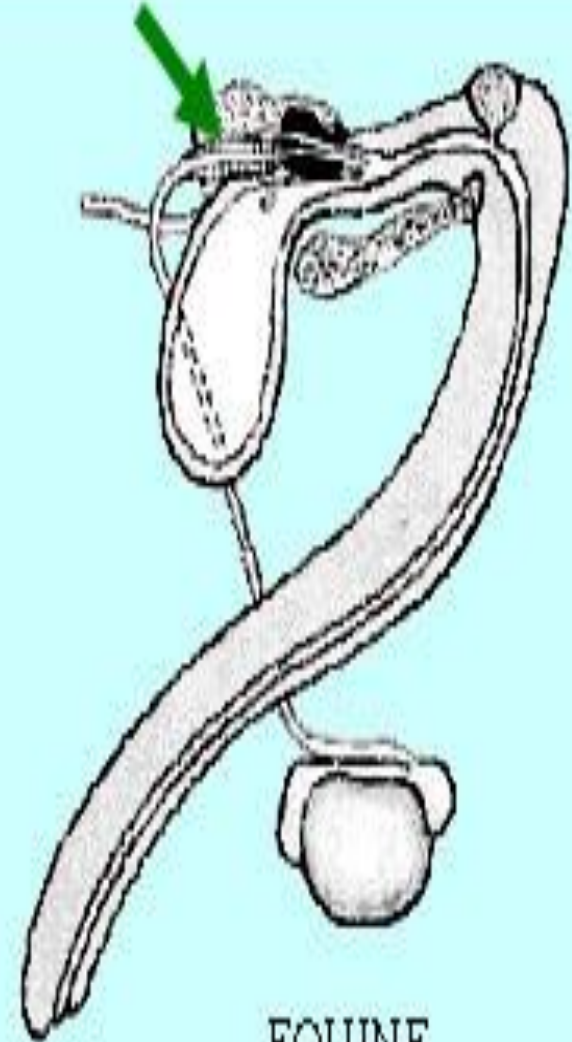
# Ampulla



CANINE

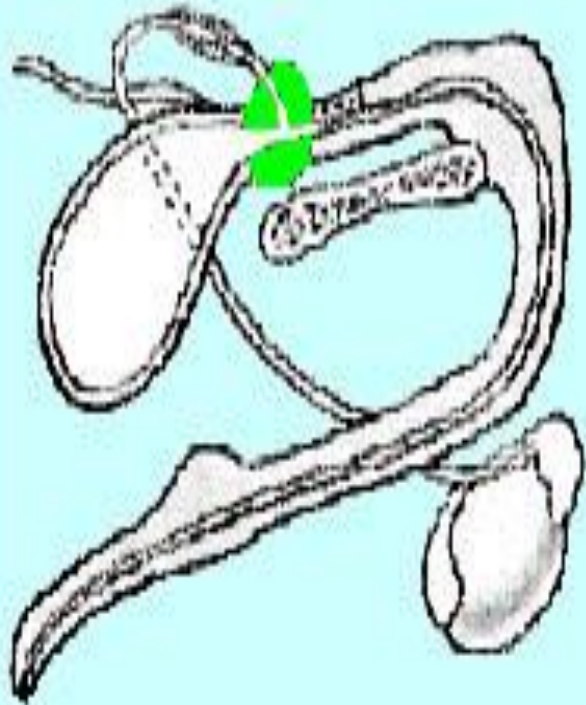


BOVINE

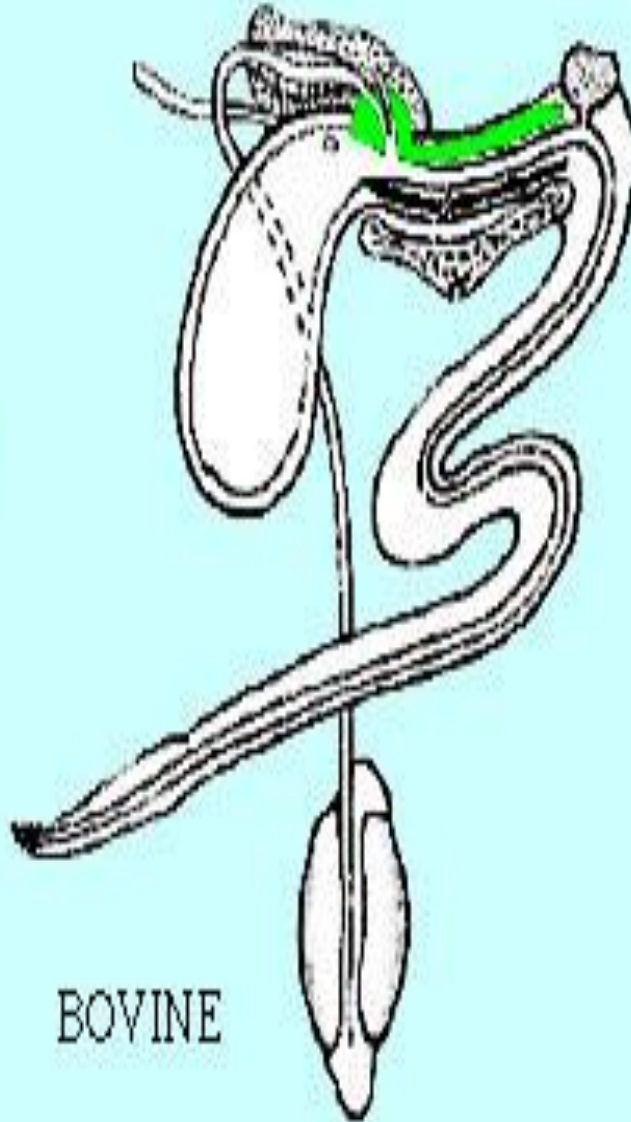


EQUINE

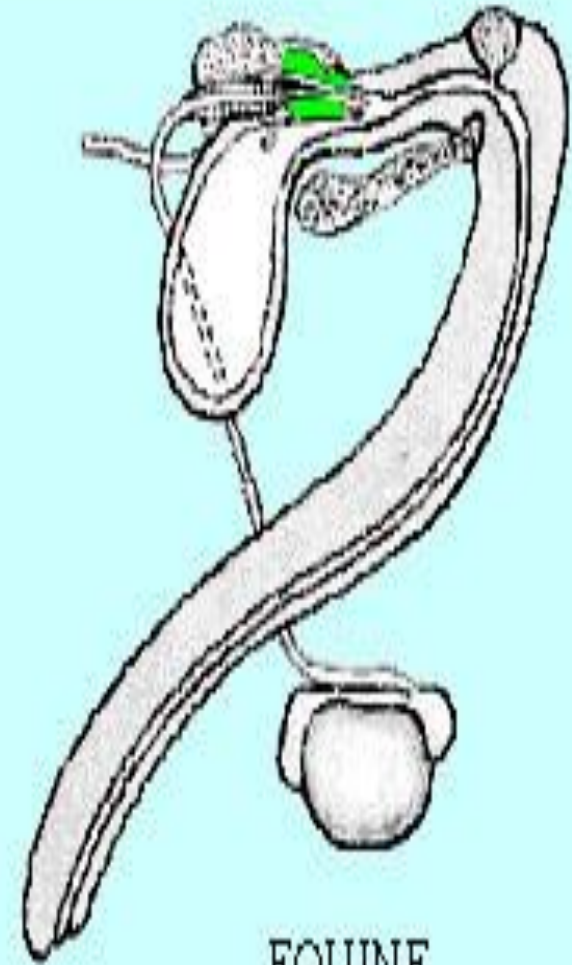
# Prostate gland



CANINE



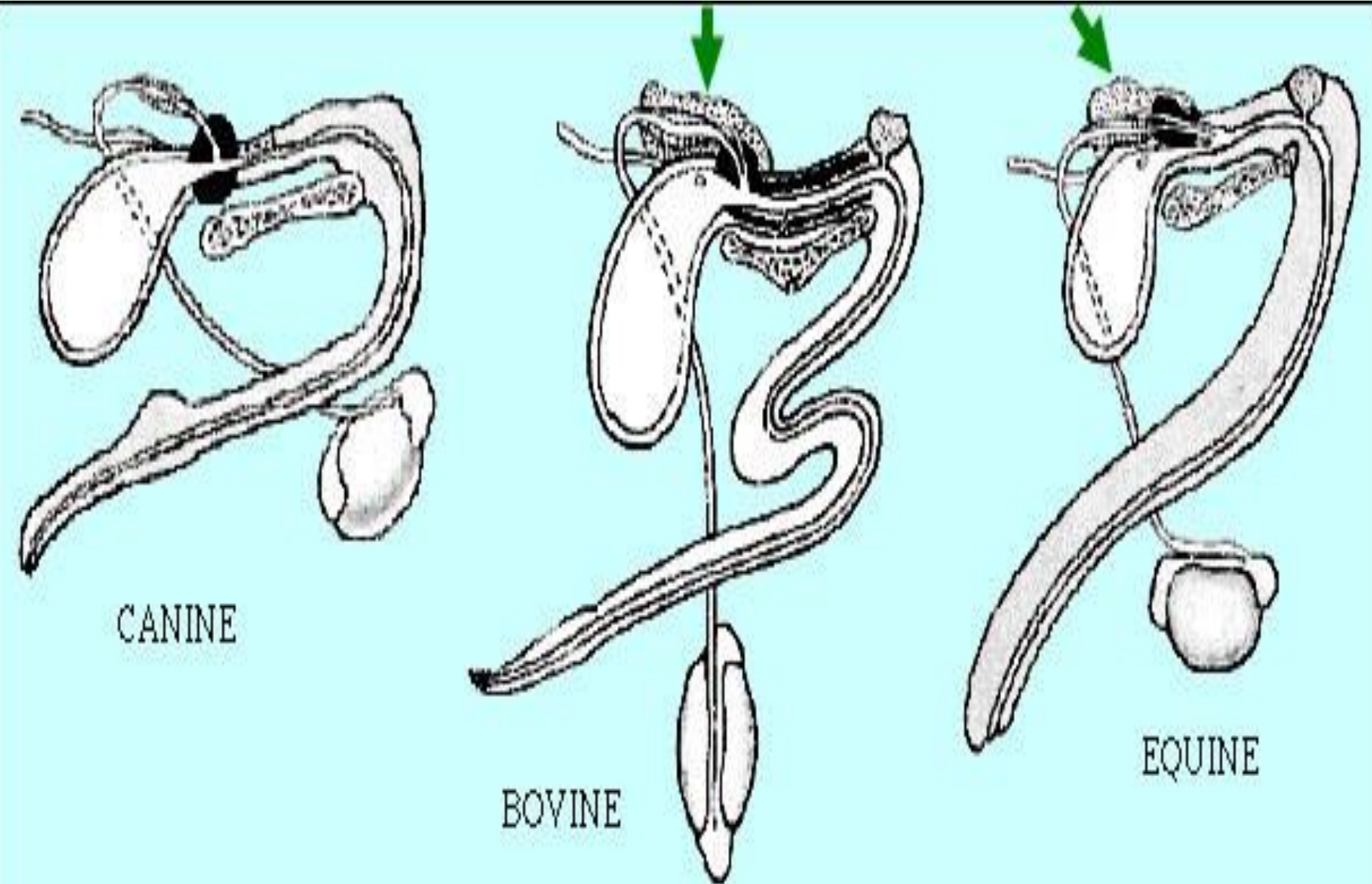
BOVINE



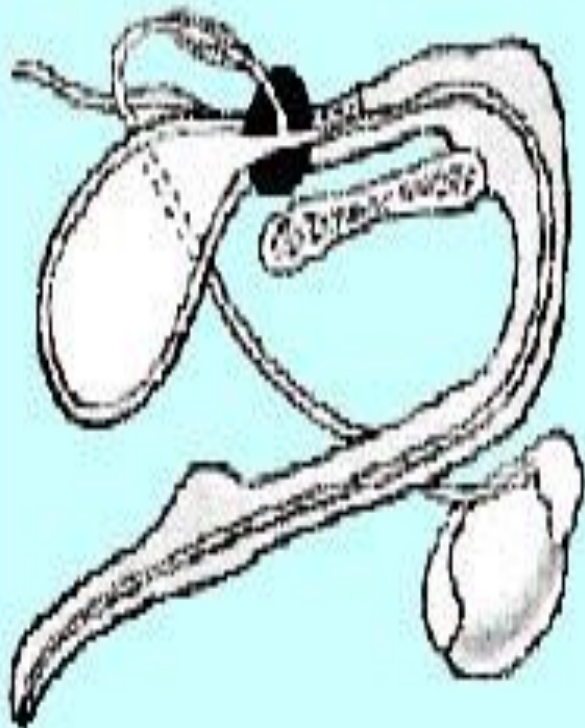
EQUINE



# Seminal vesicle Glands



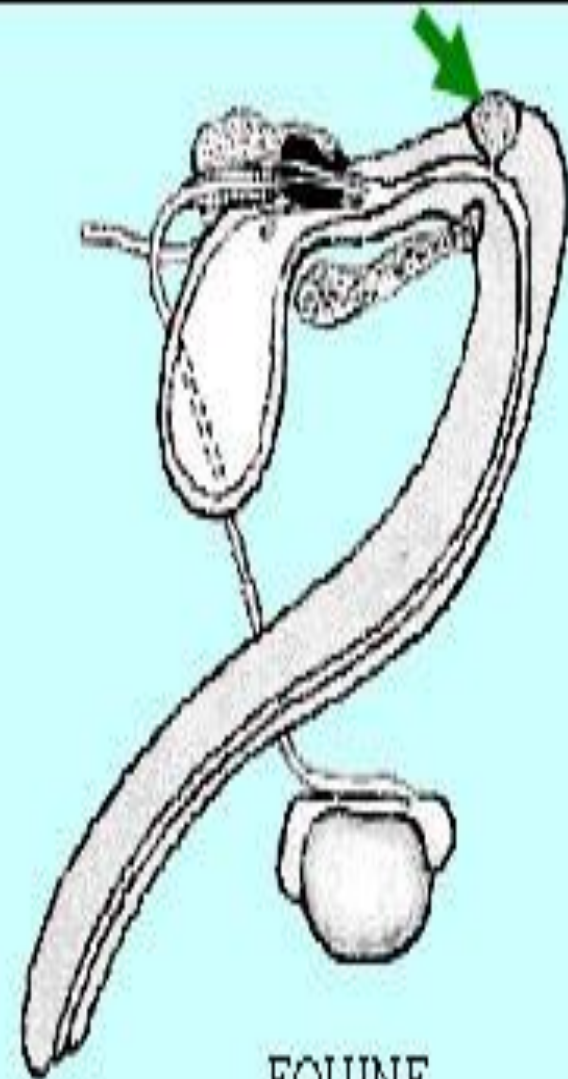
# Bulbourethral gland



CANINE



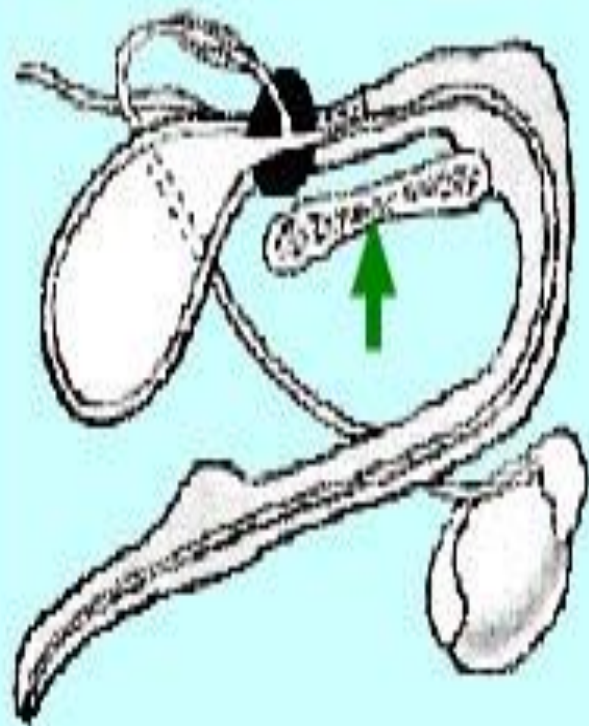
BOVINE



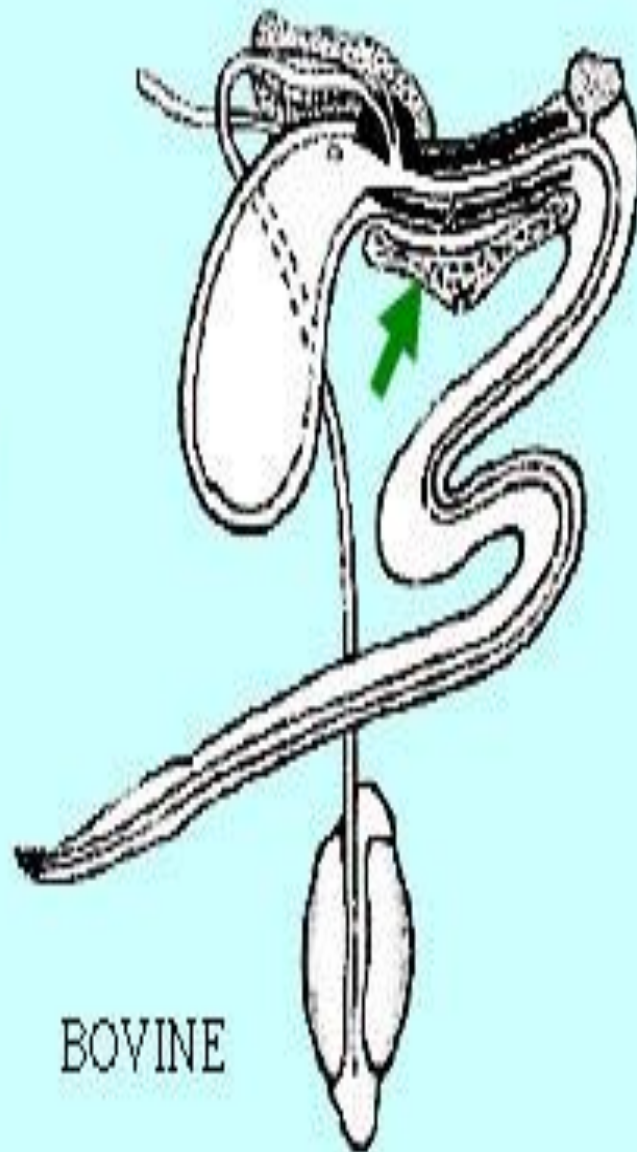
EQUINE



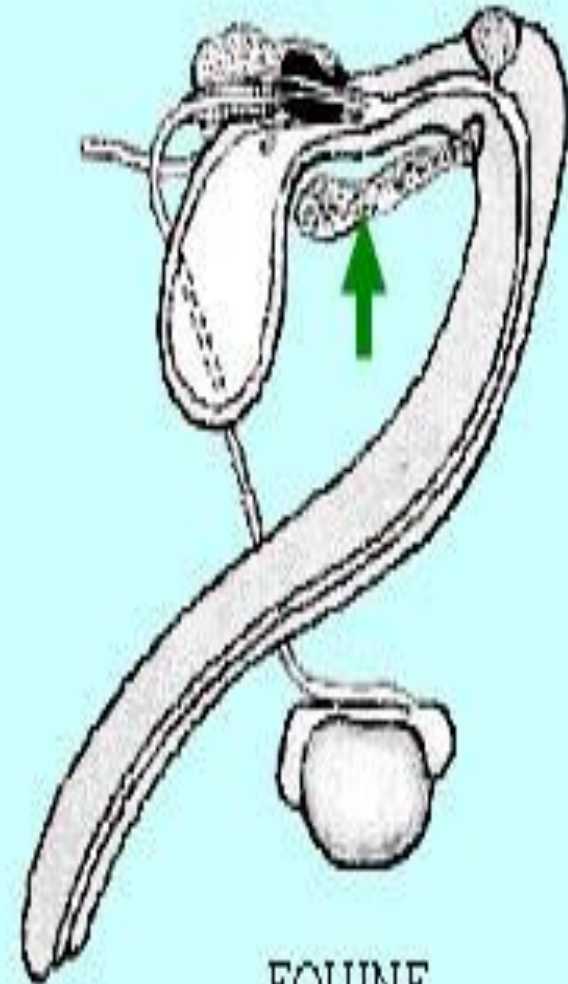
# Pelvic symphysis



CANINE

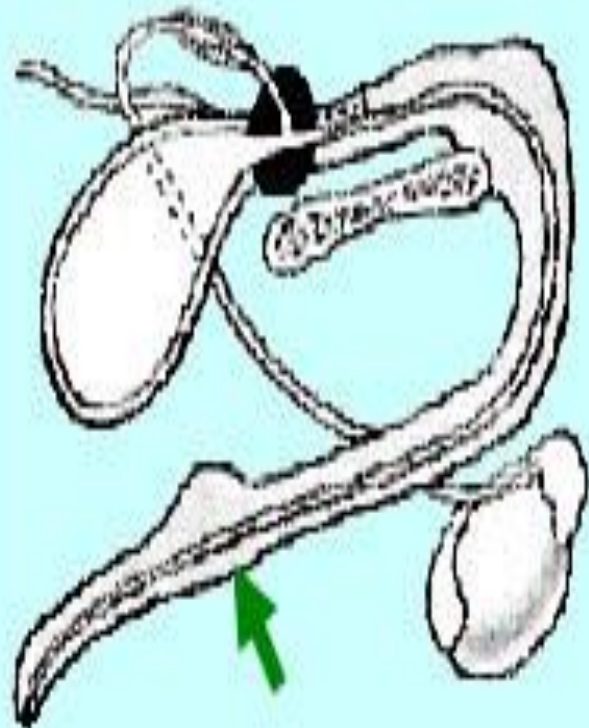


BOVINE

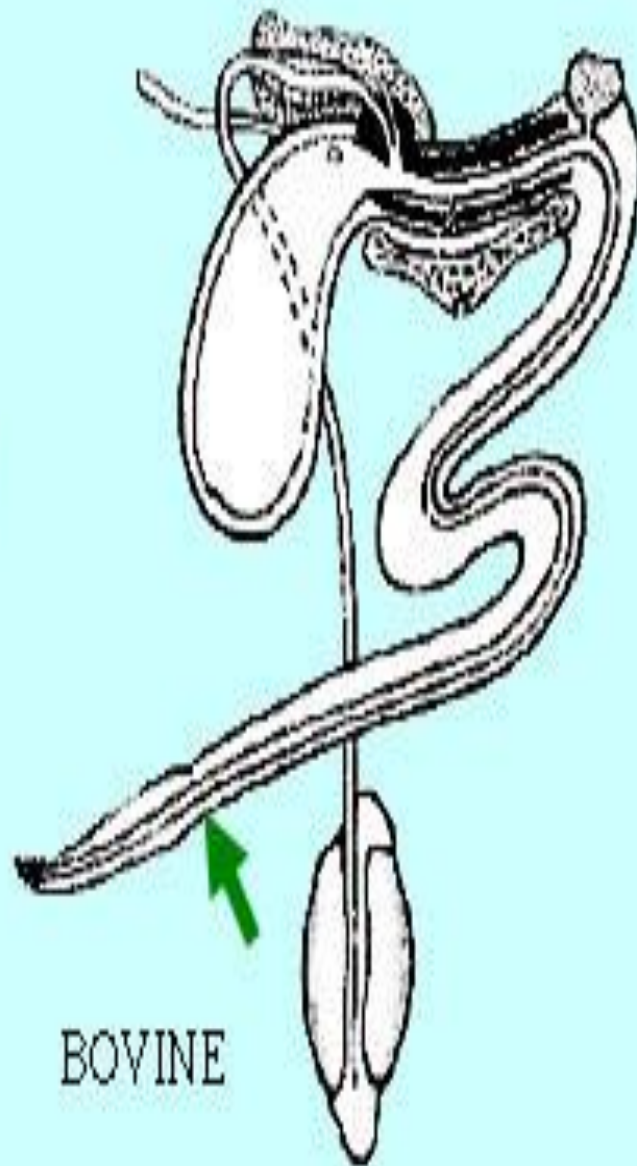


EQUINE

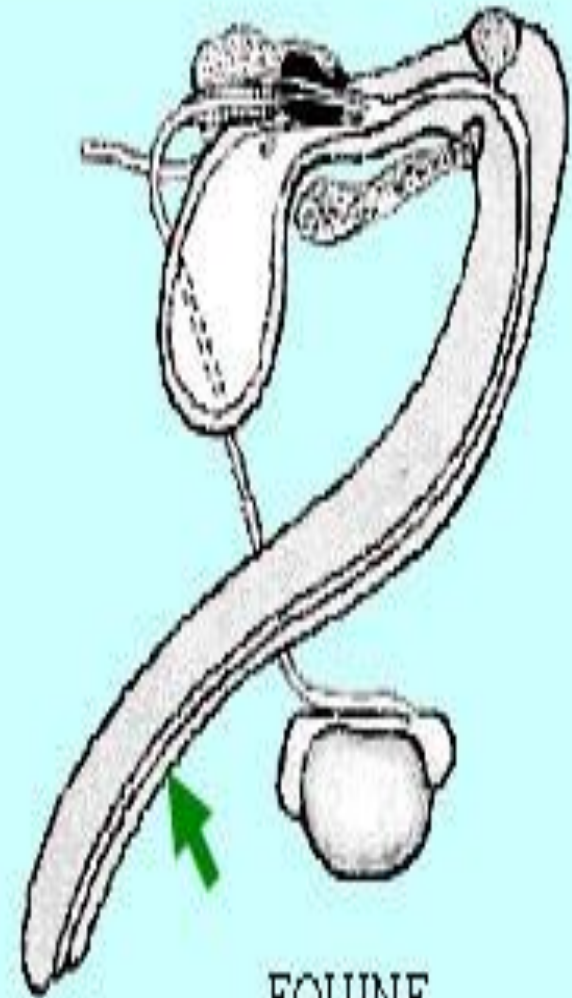
# Penis



CANINE



BOVINE



EQUINE



## Structure of the Testis

**Spermatic Cord** -  
contains vas deferens,  
pampiniform plexus,  
external cremaster muscle  
nerves

Function in maturation  
of spermatozoa, fluid  
absorption

Transport of sperm  
during ejaculation  
**Vas Deferens**

**Caput Epididymis**

**Efferent ductules** -  
6-12 tubes absorb  
fluids.

**Seminiferous Tubule**  
Sperm producing  
cells - true germinal  
epithelium

**Tunica Albuginea**  
- connective tissue  
which holds testis  
together

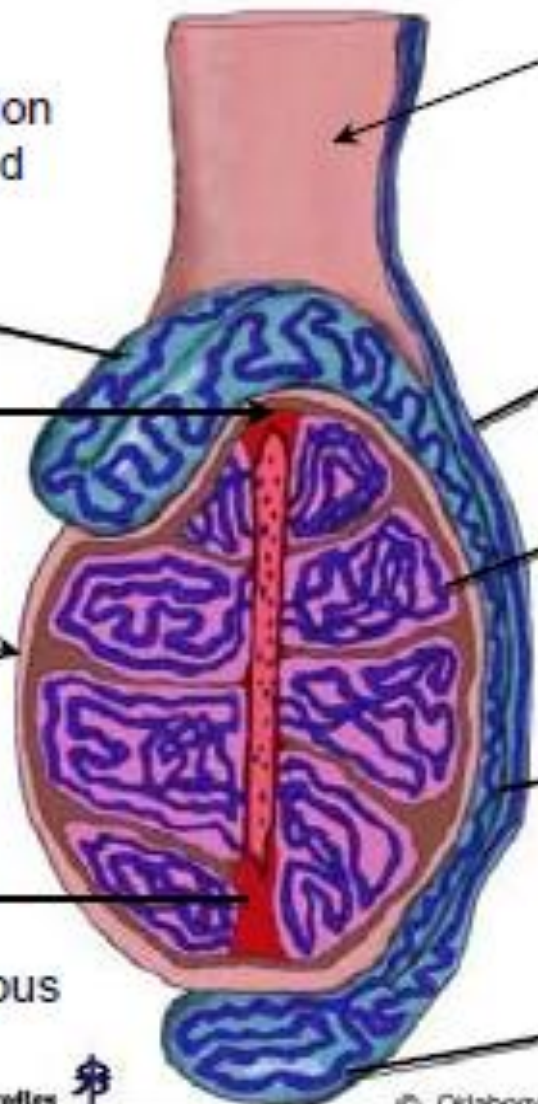
Maturation of  
spermatozoa  
**Corpus Epididymis**

**Rete Testis**

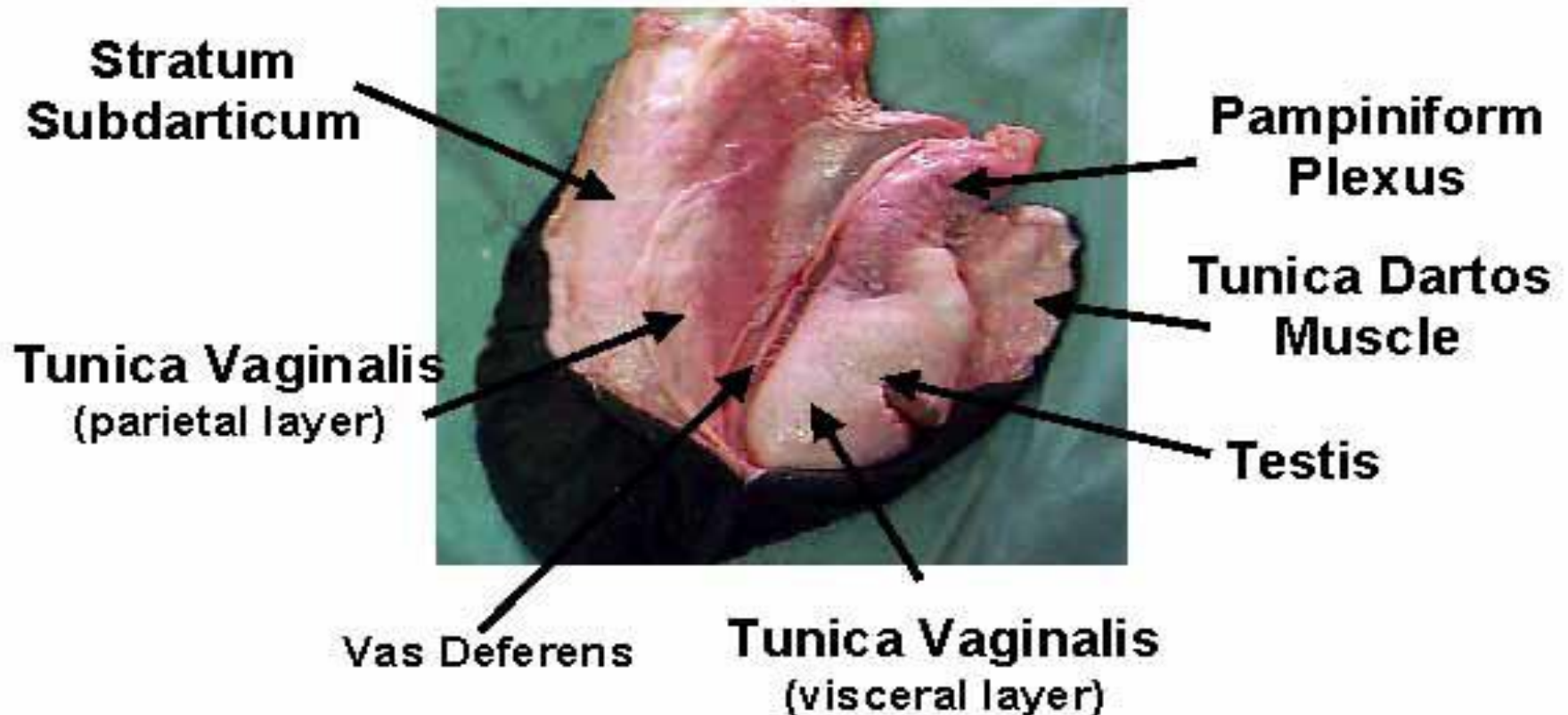
Function in sperm  
transport from seminiferous  
tubules - 100 tubules

Final maturation and  
storage. Only sperm  
capable of fertilization

**Cauda Epididymis**



# Scrotal Layers

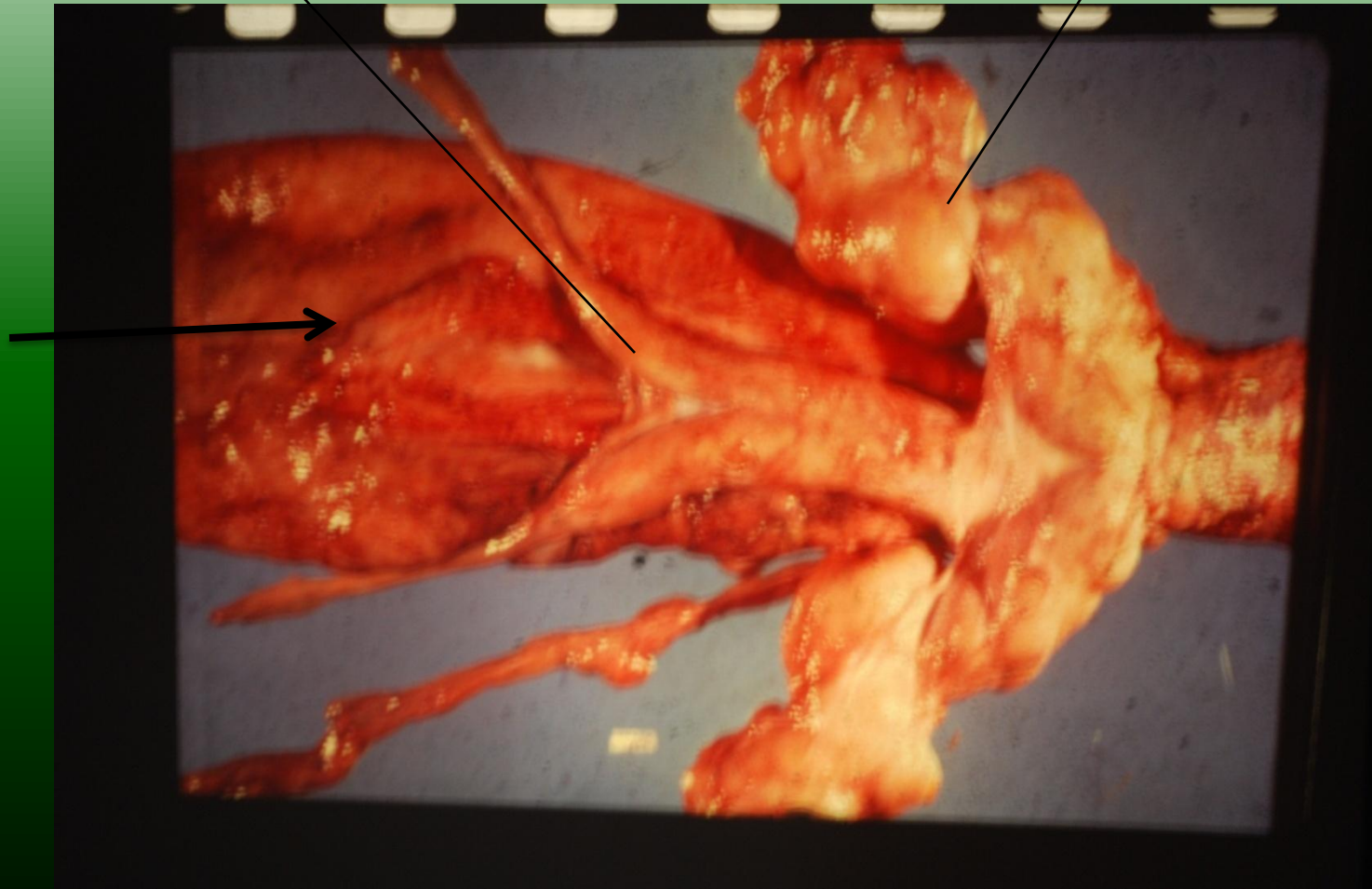


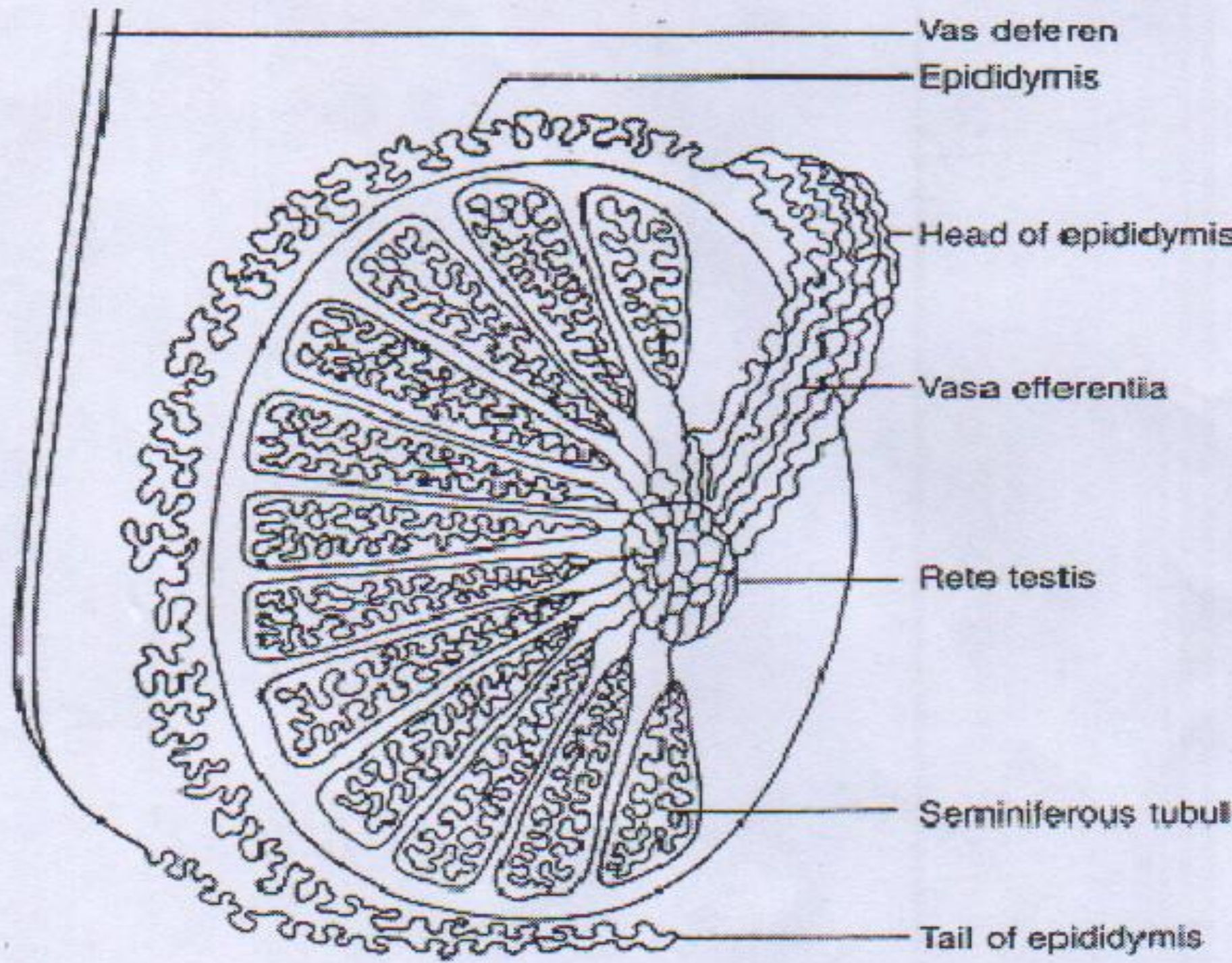


Ampulla

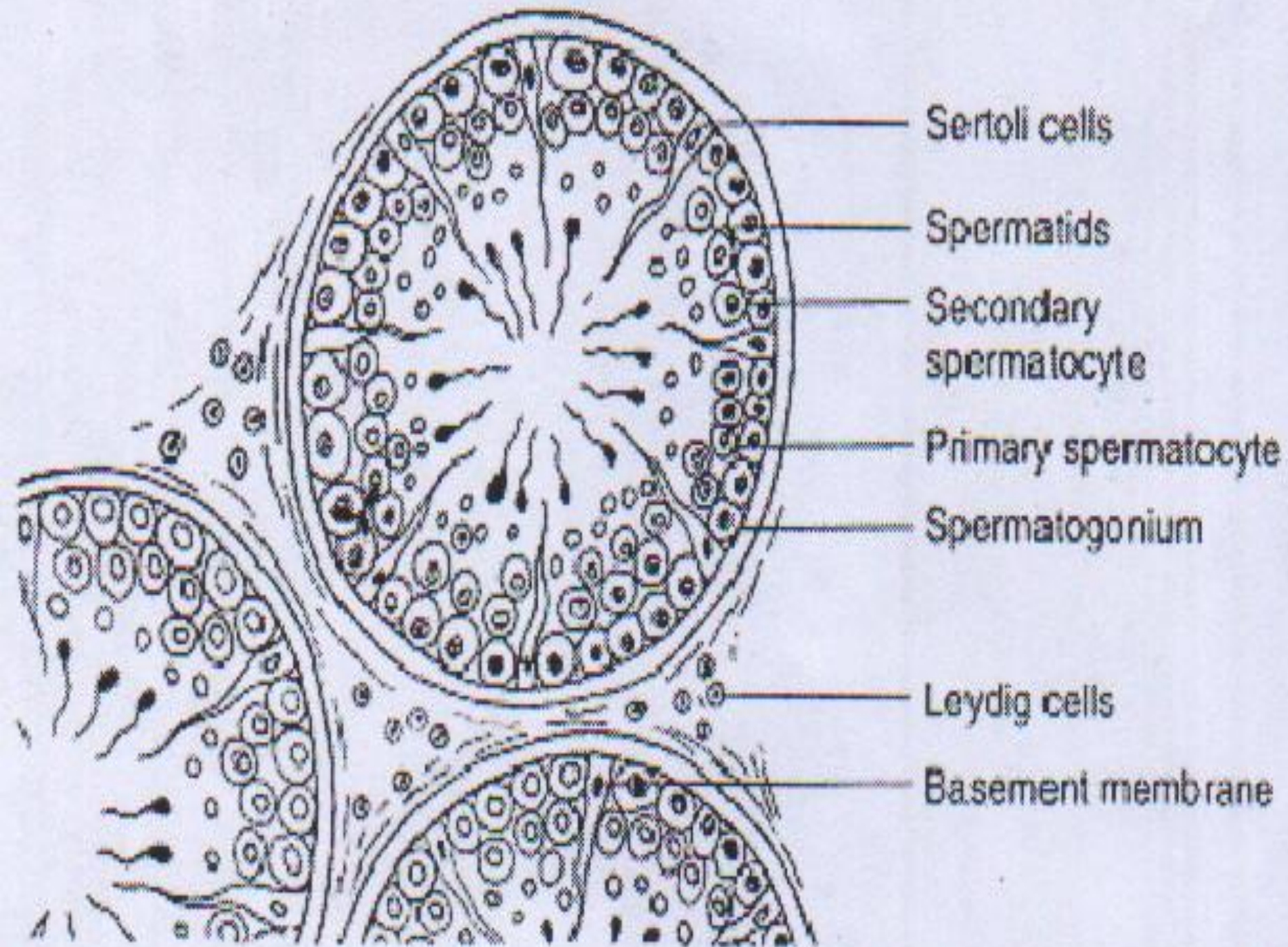
seminal vesicle

U.B

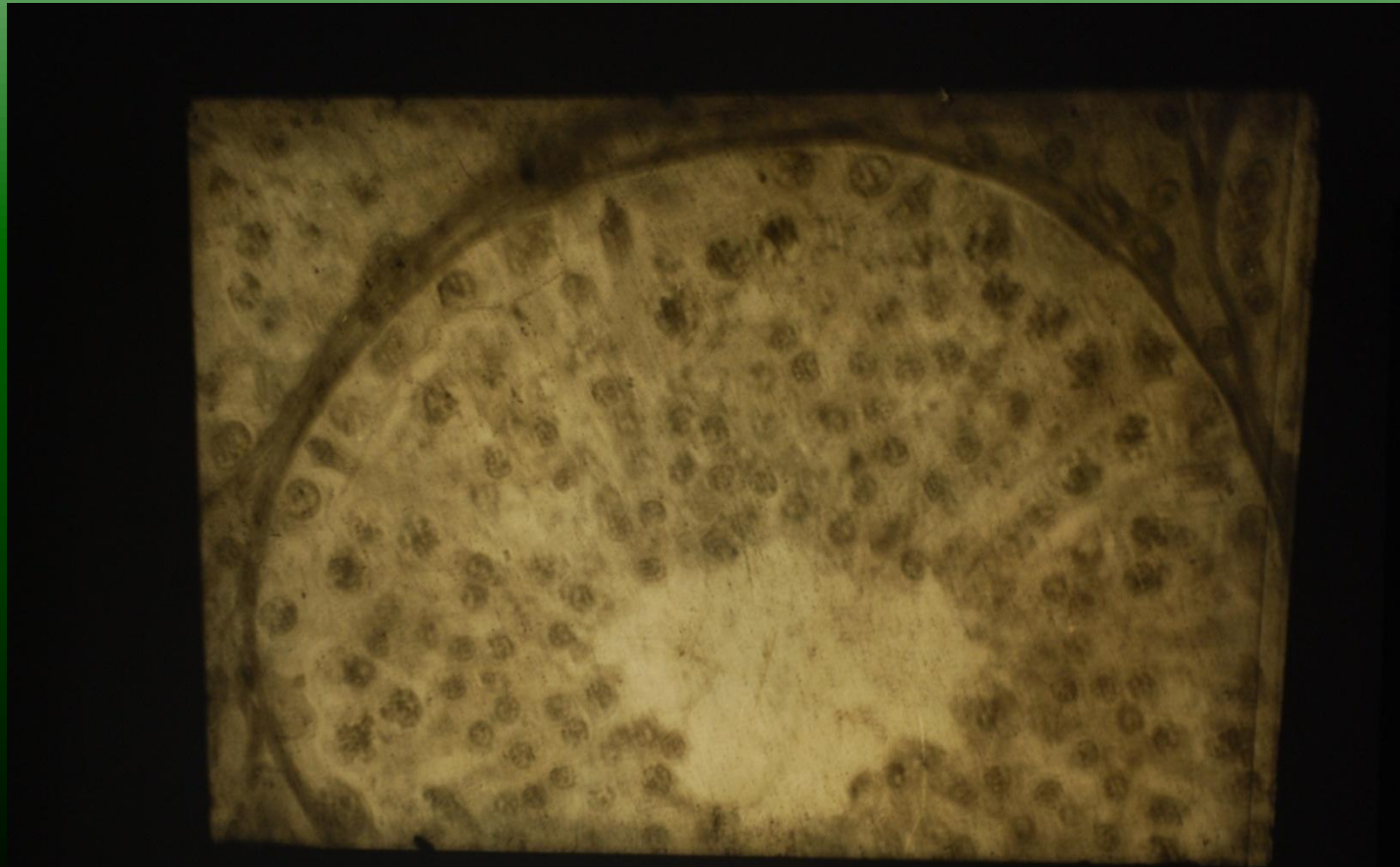






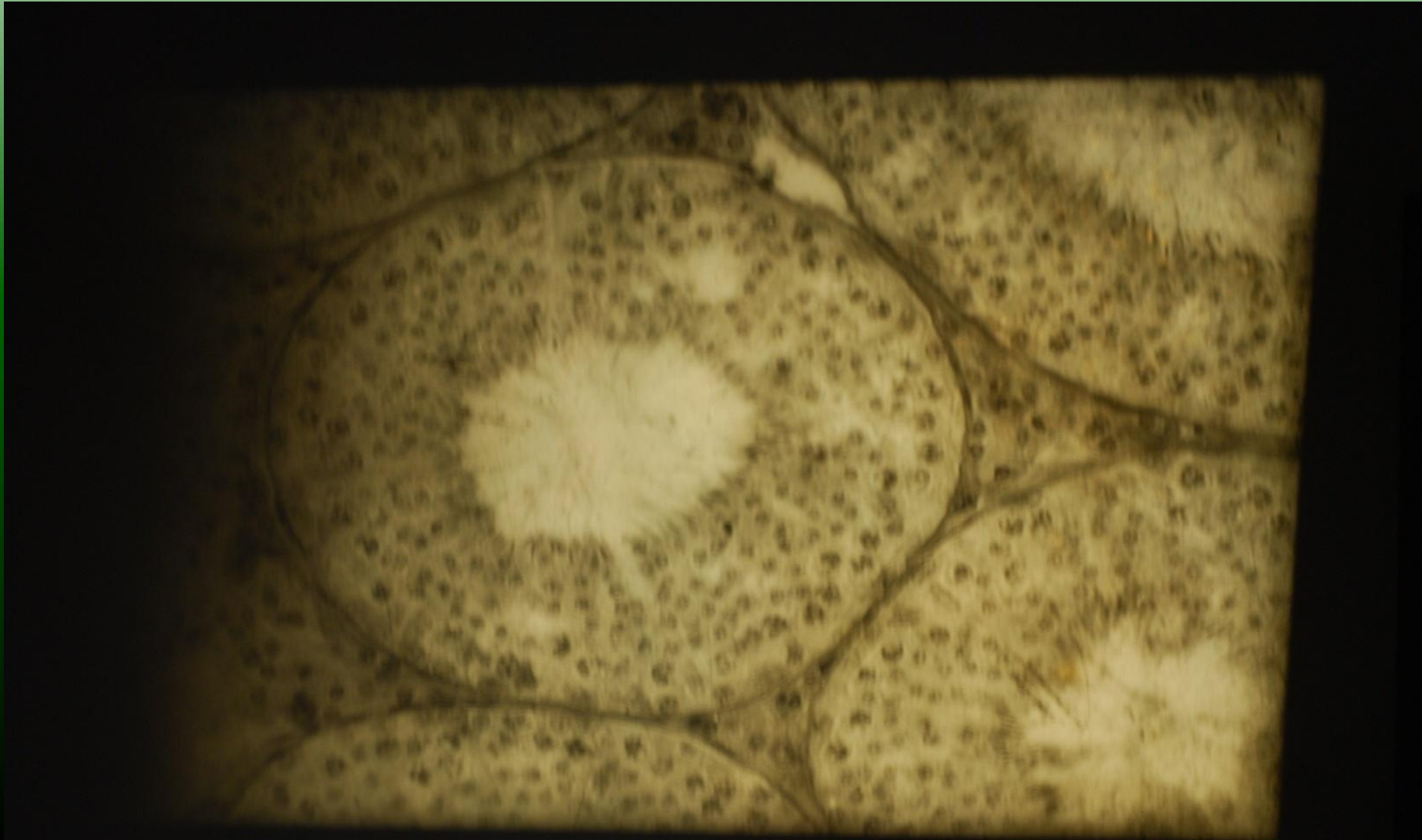


Histological section in testis shows one Seminiferous tubule (in active) and interstitial cells.





Histological section in testis shows number of Seminiferous tubule (active) and interstitial cells.



Frenulum in bull(anatomical connection between prepuce and penis)





# Persistent frenulum, penis, bull



# Clinical examination of scrotum and testis (symmetric normal)





# Clinical examination of prepuce and end of penis (normal movement of penis and normal prepuce)



**Testicular Hypoplasia &  
Epididimal Normal**



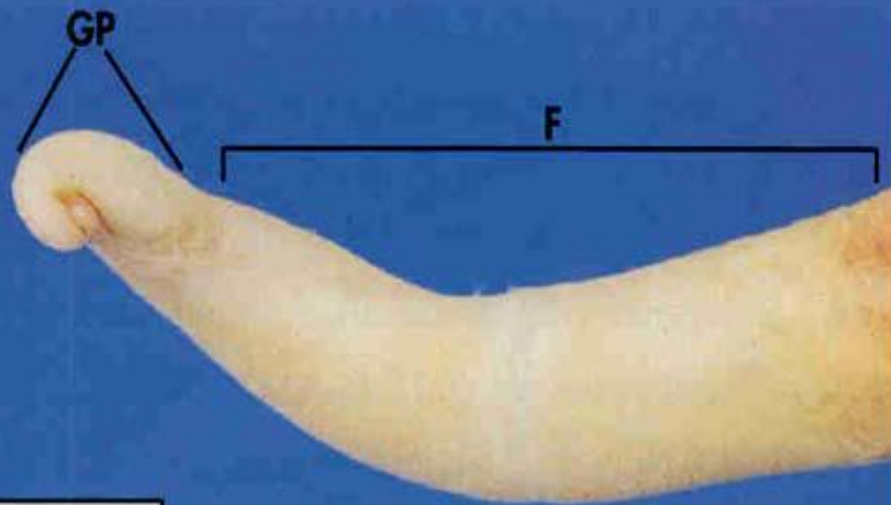
**Testicular Normal &  
epididimal hypoplasia**



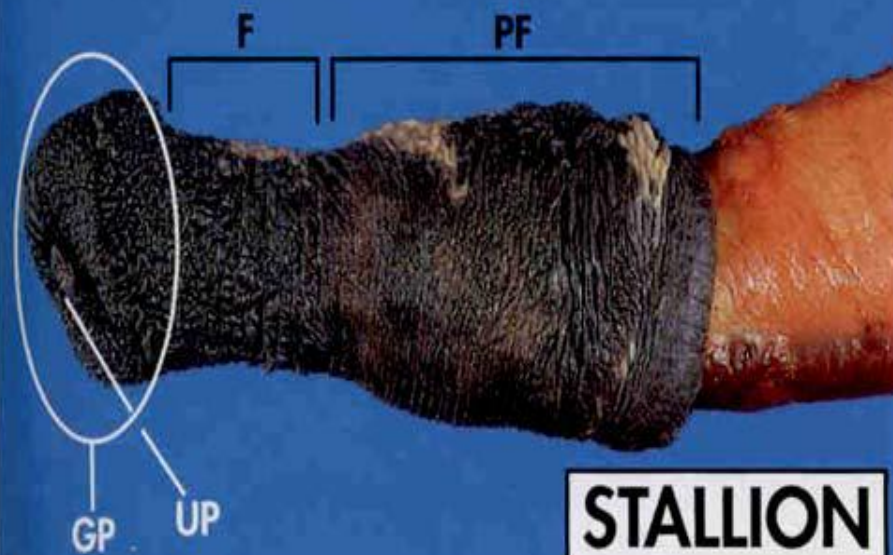




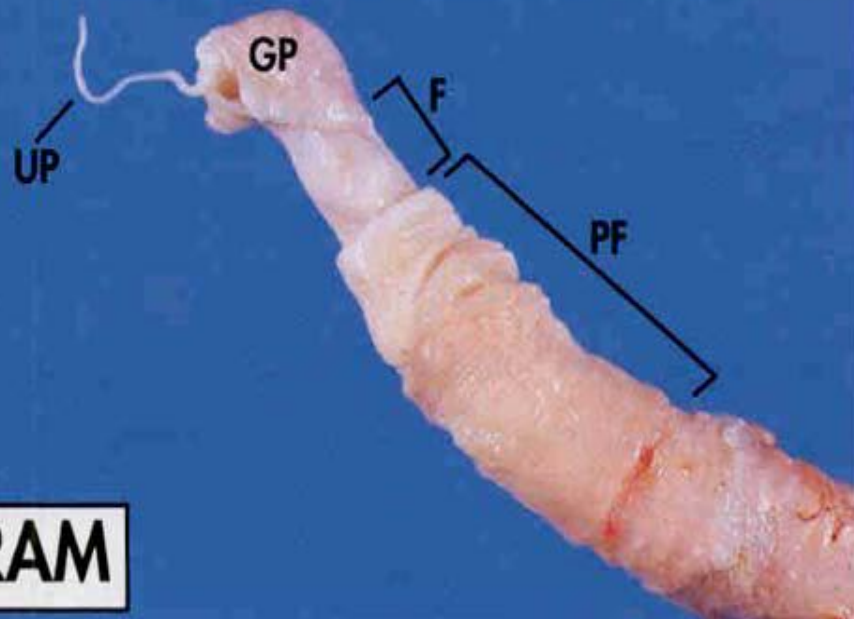
**BOAR**



**BULL**



**STALLION**



**RAM**

# Penis tom (penis spine)





Note the engorged bulbus glandis



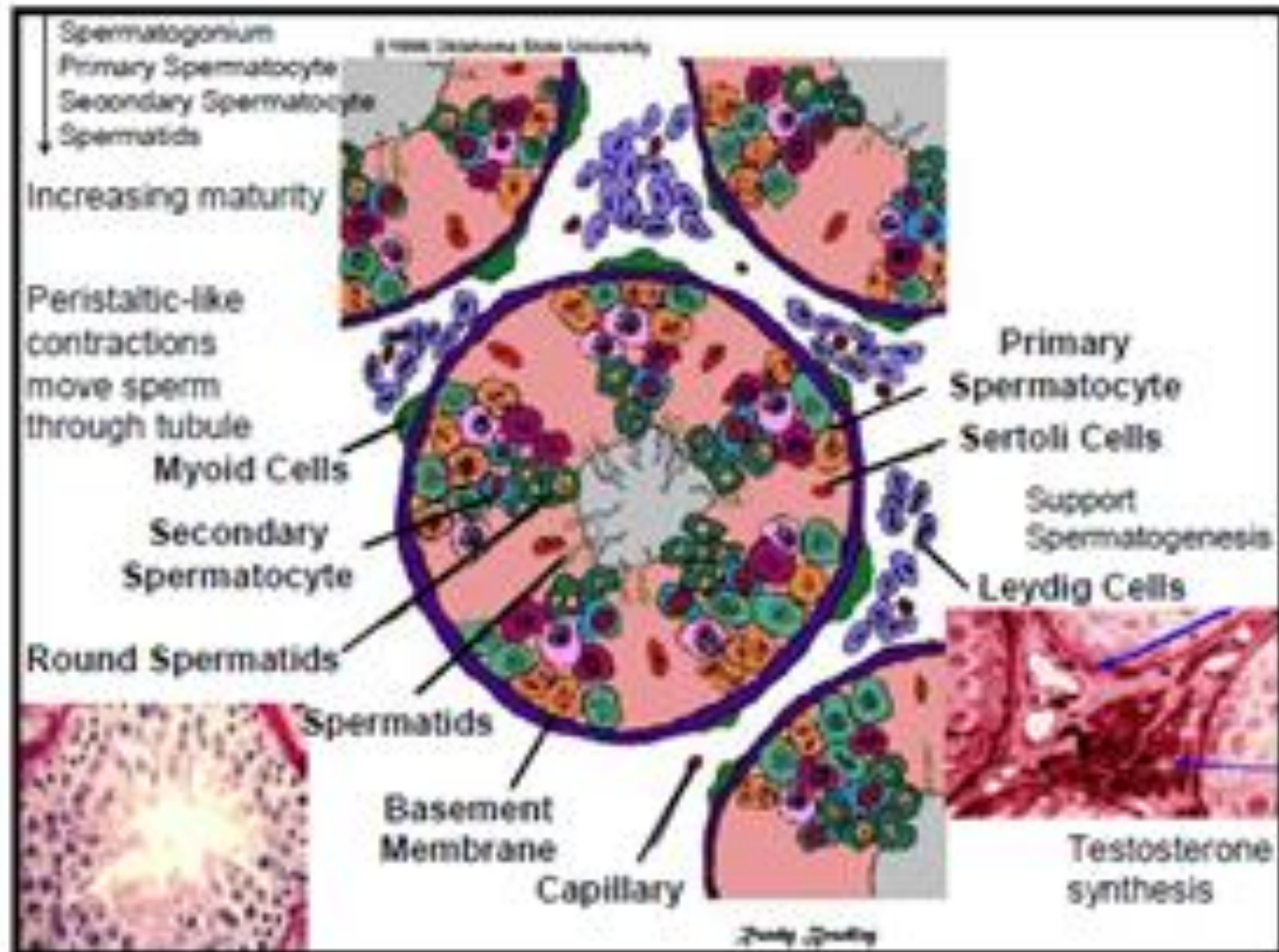
# accessory sex glands of the main domestic species

**Table 29.2** Accessory sex glands of the main domestic species

<i>Species</i>	<i>Ampulla</i>	<i>Prostate</i>	<i>Vesicular gland</i>	<i>Bulbourethral gland</i>
Cat		++		++
Dog	(+)	+++		
Horse	++	++	++	+
Cattle	(+)	++	+++	+
Sheep	(+)	++	+++	+
Pig		+	++	+++

The relative size and importance are indicated by the





# Unilateral Testicular Aplasia





Thanks