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MALE GENITAL SYSTEM

Assist prof

Dr. Adnan Ali Hasso



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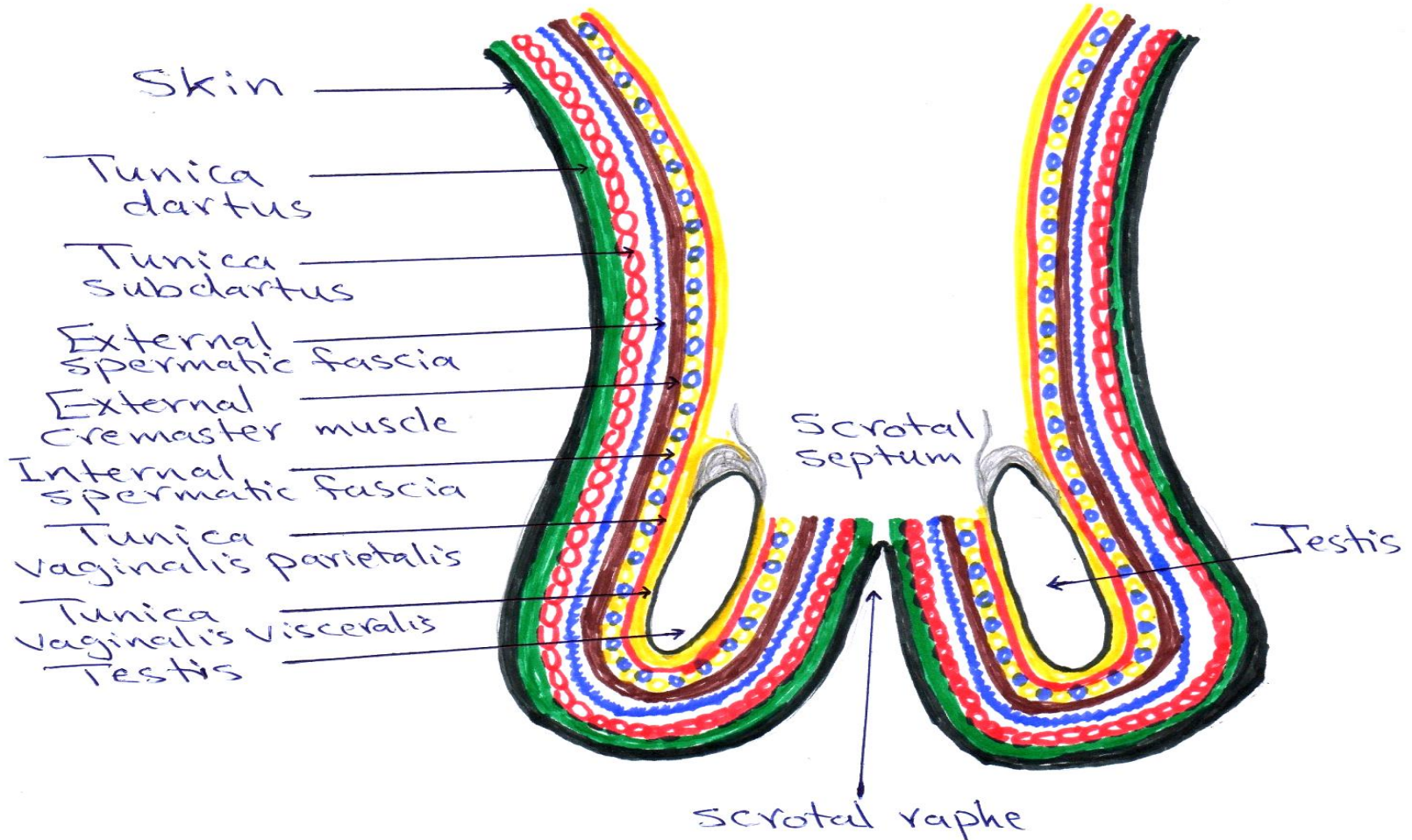
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The male genital system consists of :-

- 1) scrotum .
- 2) testicle (testis).
- 3) epididymis .
- 4) ductus deferens (vas deferens).
- 5) spermatic cord .
- 6) urethra .
- 7) accessory genital gland .
- 8) penis .

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« Sagittal section in scrotum »



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position of scrotum

1) stallion ,bull,ram and billy goat the position in the inguinal region .

2)dog and boar the position in the perineum region .



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TESTIS OF HORSE

The testis of horse situated in the inguinal (prepubic) region between the thighs.

Function of testis :-

- 1)production spermatozoa .
- 2)production testosterone hormone .



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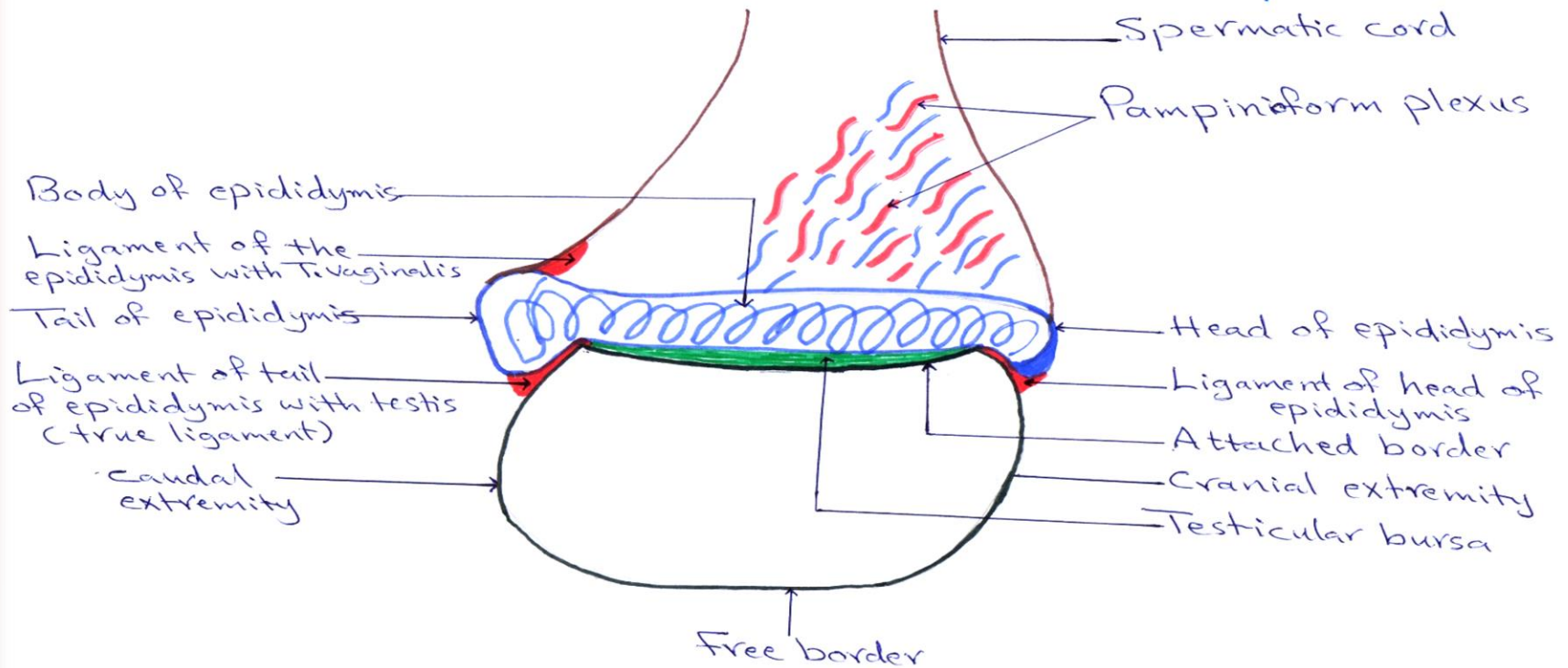
layers of testis

It consists of 3 layers of tunics :

- 1) tunica vaginalis visceralis (serous layer).
- 2) tunica albuginea testis .
- 3) tunica vasculosa testis.

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« Right testis of horse »



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***Testicular bursa :-**

Is the space or recess located between lateral surface of testis and body of epididymis .



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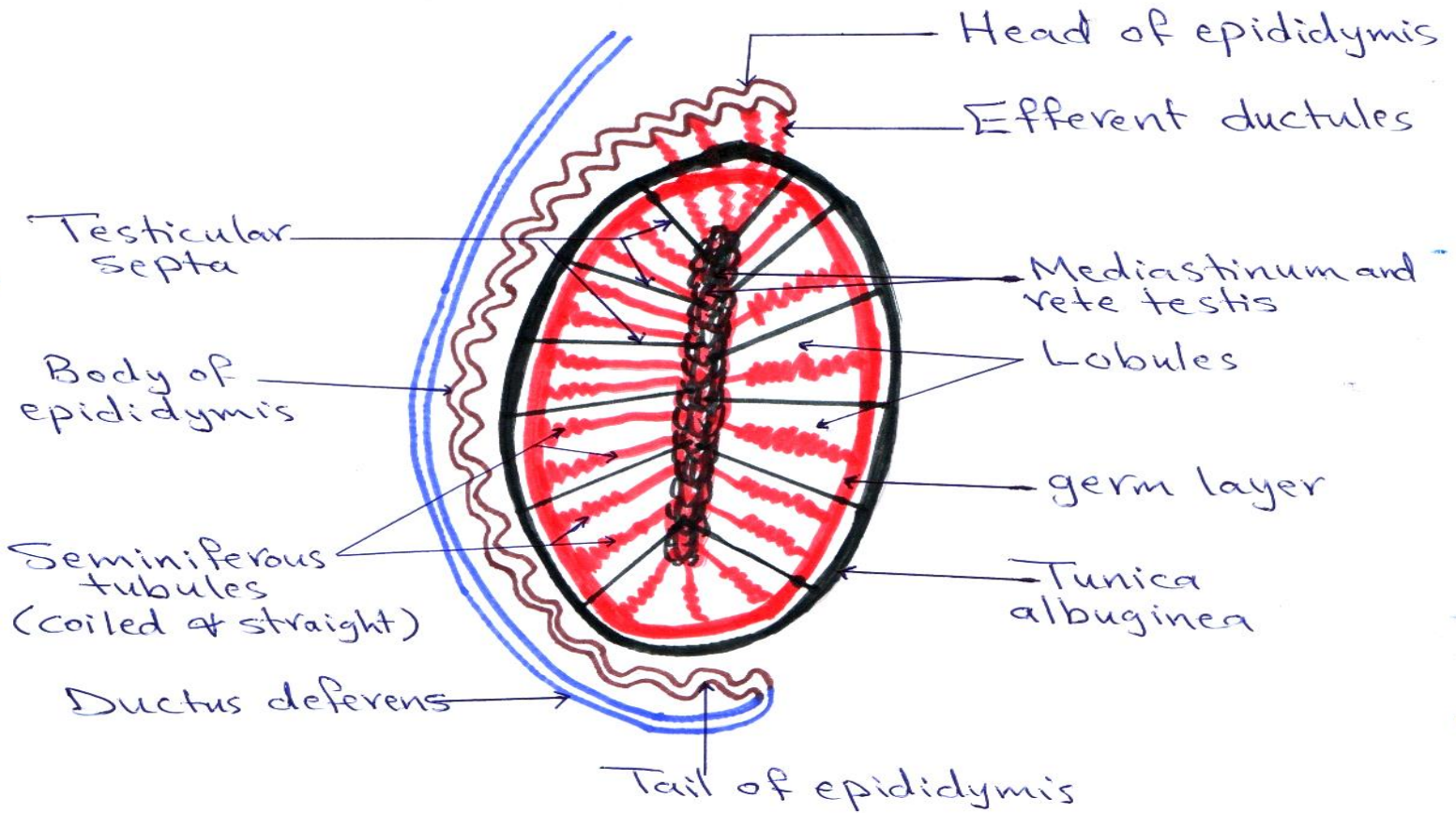


Structure of testis

When make sagittal section in testis will be clear the following :-

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“ Sagittal section of testis ”



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Epididymis

It consist of three parts:-

1)head or caput:-

2)body or corpus:-

3)tail or cauda:-



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Fixation of epididymis

a)head :-by efferent ductules .

b)body:-by meso epididymis .

c)tail :-

1)proper ligament of testis

2)scrotal ligament



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Ductus deferens (vas deferens)

Fixation of ductus deferens :-

- 1) mesoductus deferens (serosal fold of peritonum) .
- 2) urogenital fold (in the pelvic) .



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Termination of ductus deferens

In all domestic animals except the pig ,the ductus deferens ending by thikend part called **ampulla of ductus deferens** .

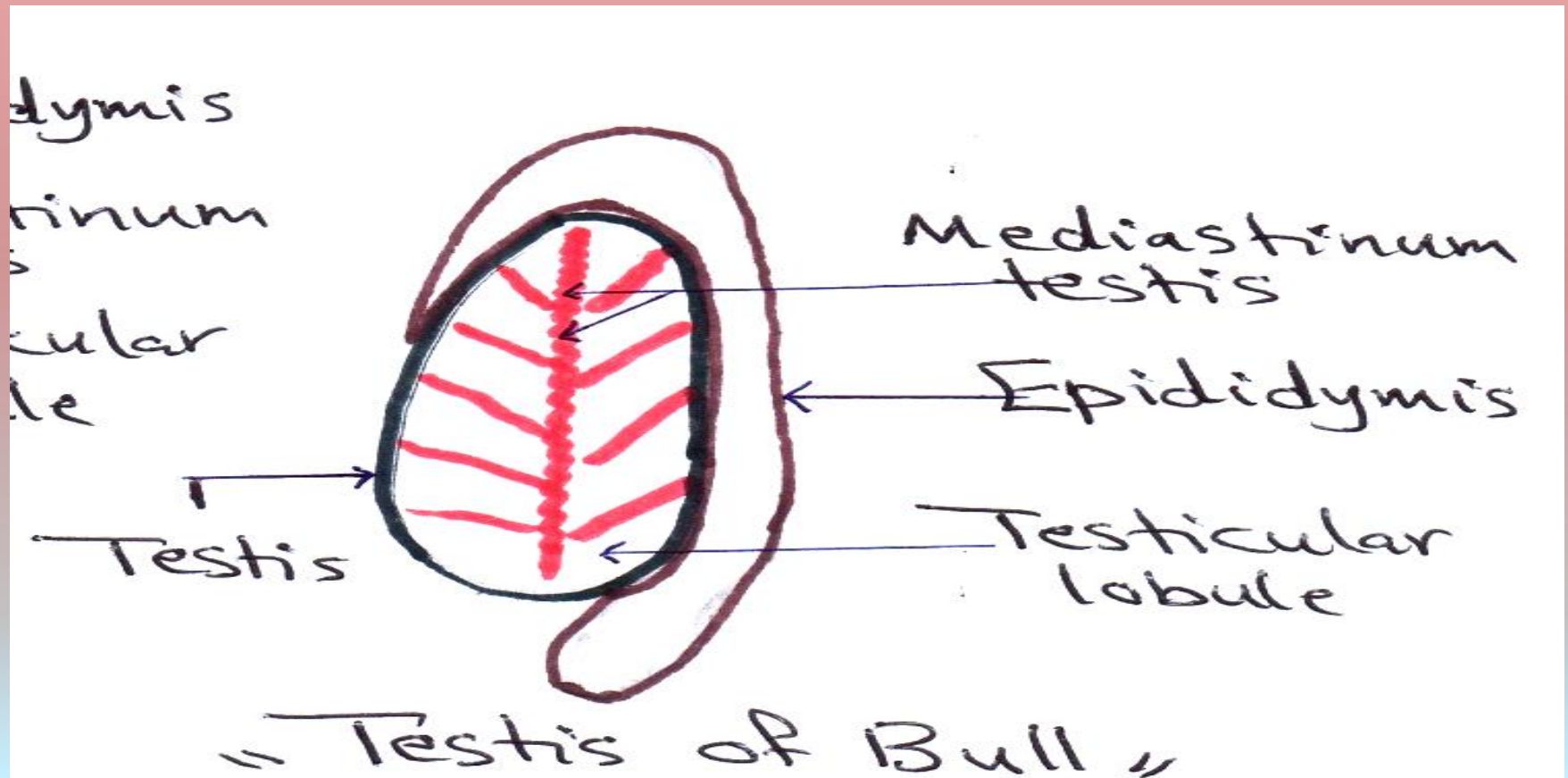
Each ampulla open in the urethra beneath the body of seminal vesicle gland



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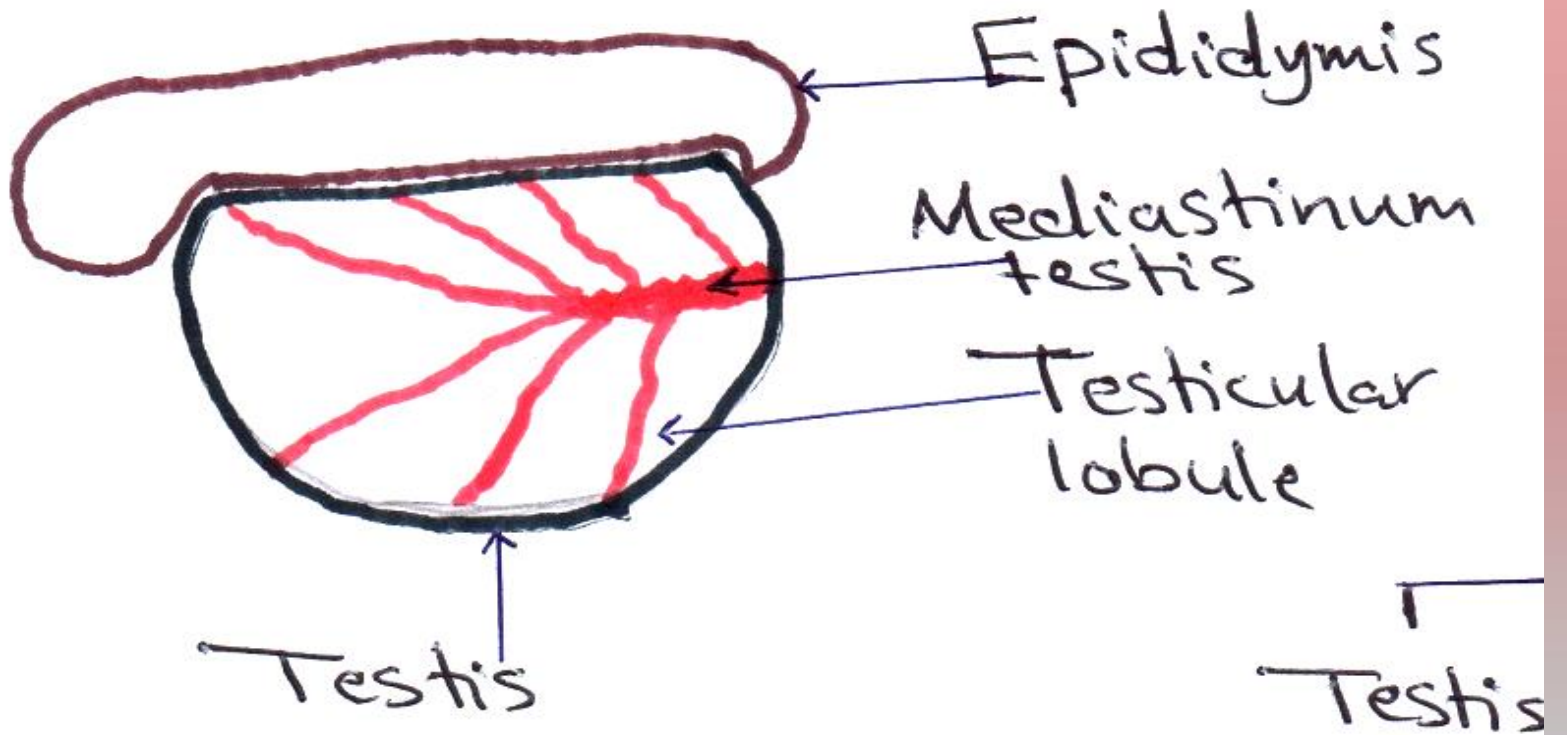
Comparative of the testis and epididymis





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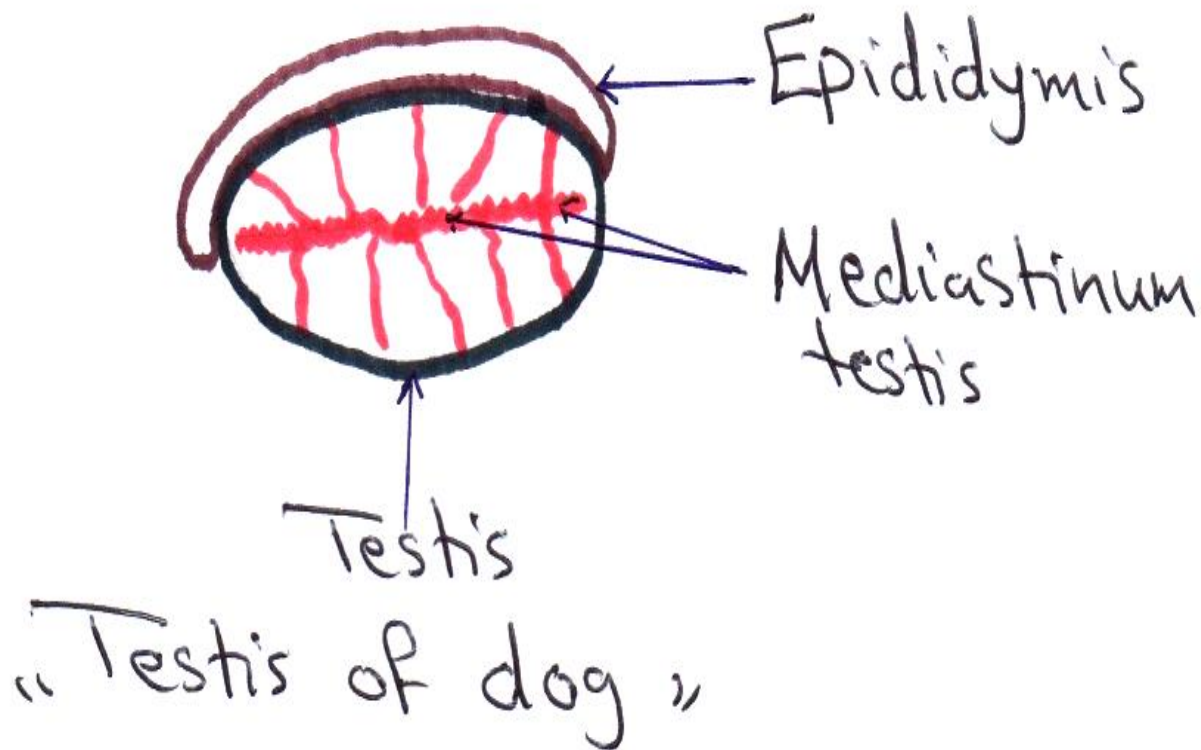


“ Testis of Horse ”



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Contents of spermatic cord:-

- 1) ductus deferens .
- 2) testicular artery .
- 3) testicular vein .
- 4) lymph vessels .
- 5) sympathetic nerve .
- 6) mesorchium .
- 7) internal cremaster muscle (smooth muscle) .
- 8) external cremaster muscle .



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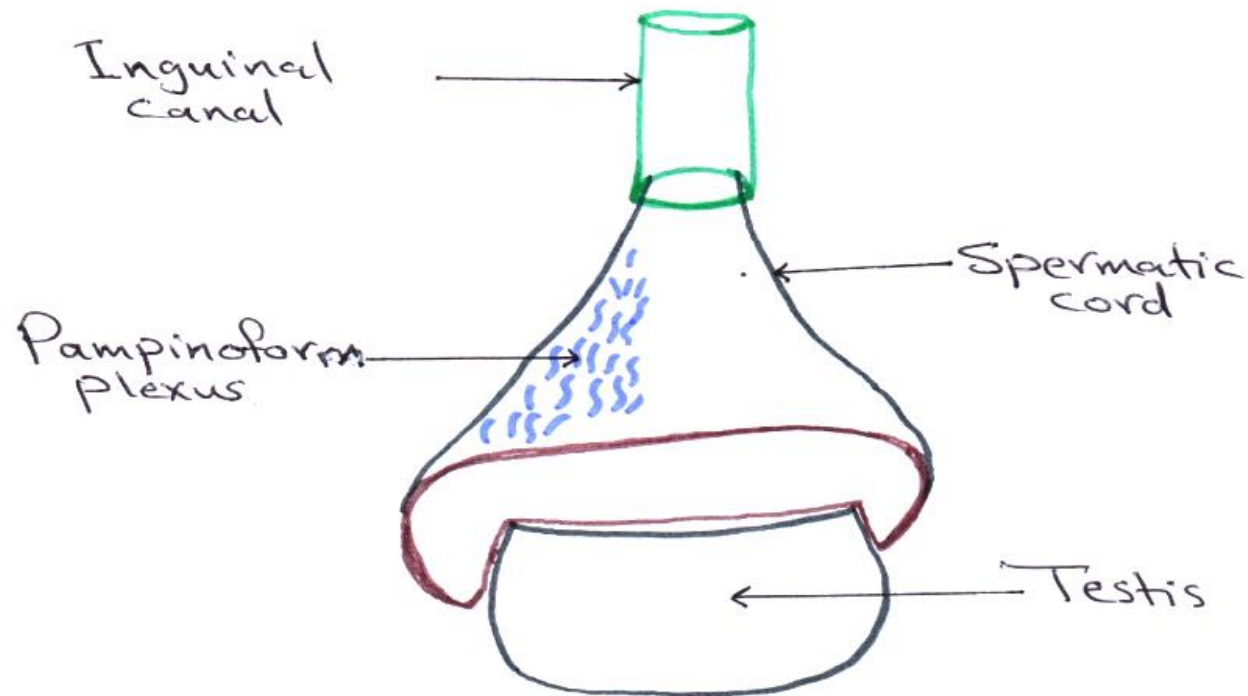
***pampiniform plexus:-**

its coils of testicular vein located at beginning of inguinal canal on spermatic cord .



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PENIS

***parts of penis:-**

It composed of 3 parts :-

1) root of penis

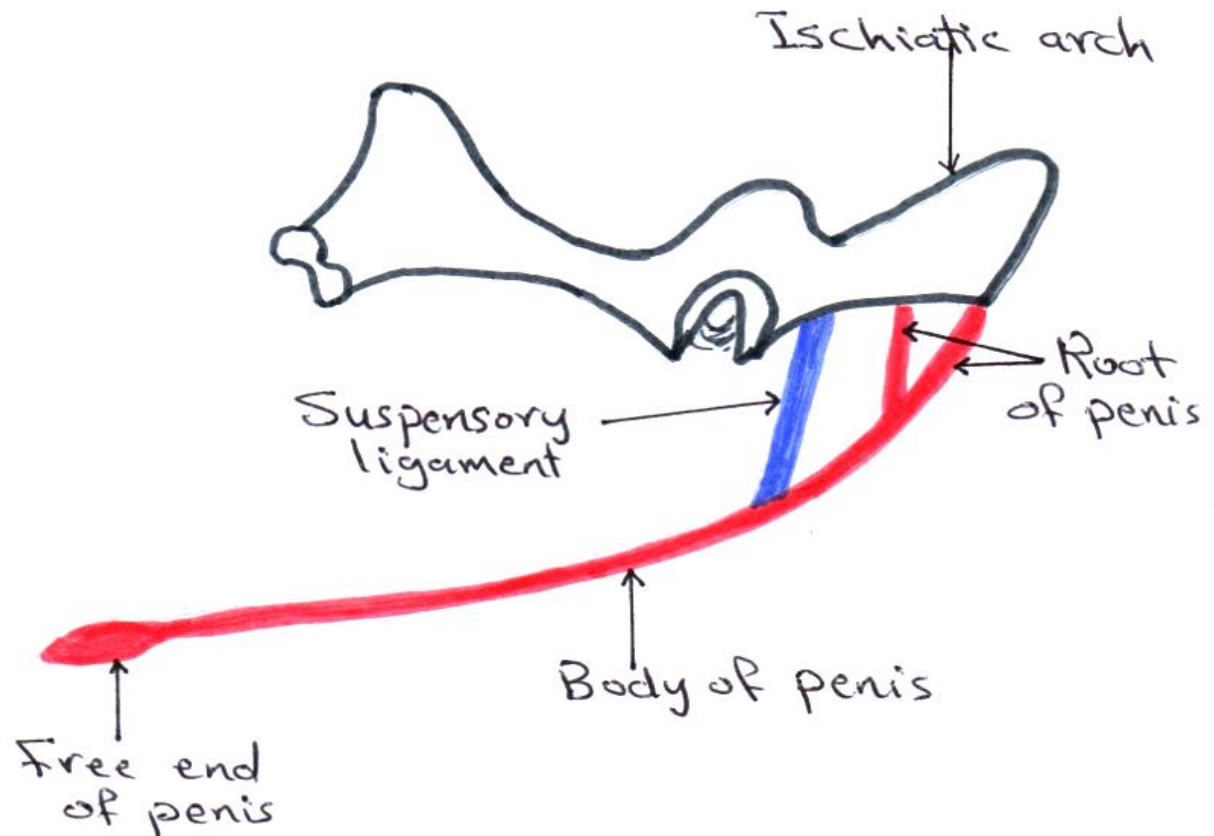
2)body or shaft

3)free end of penis (glans penis)



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« Lateral view in pelvis and penis »



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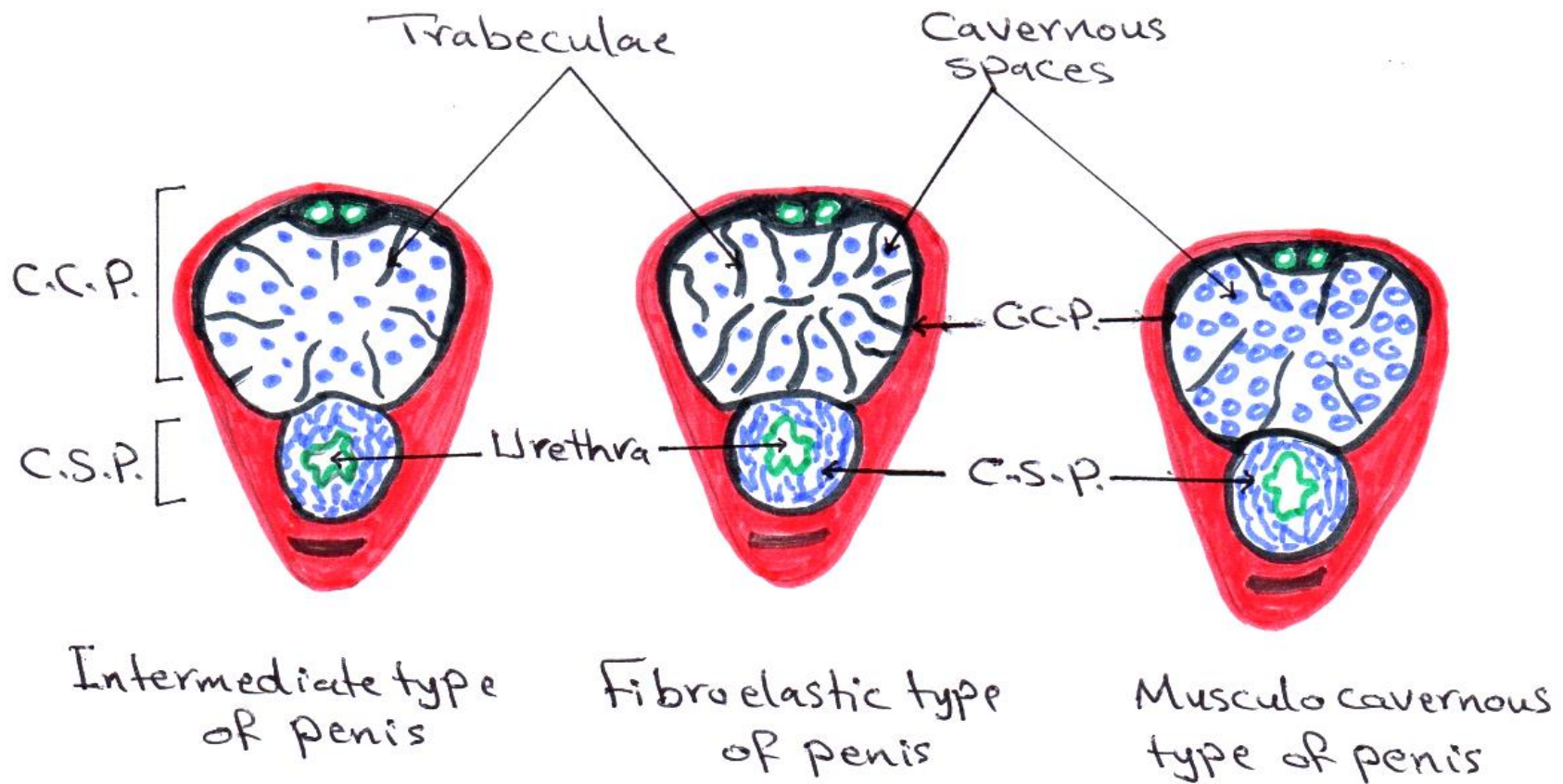
TYPES OF PENIS

1)musculo-cavernous type

2)fibroelastic type

3)intermediate type

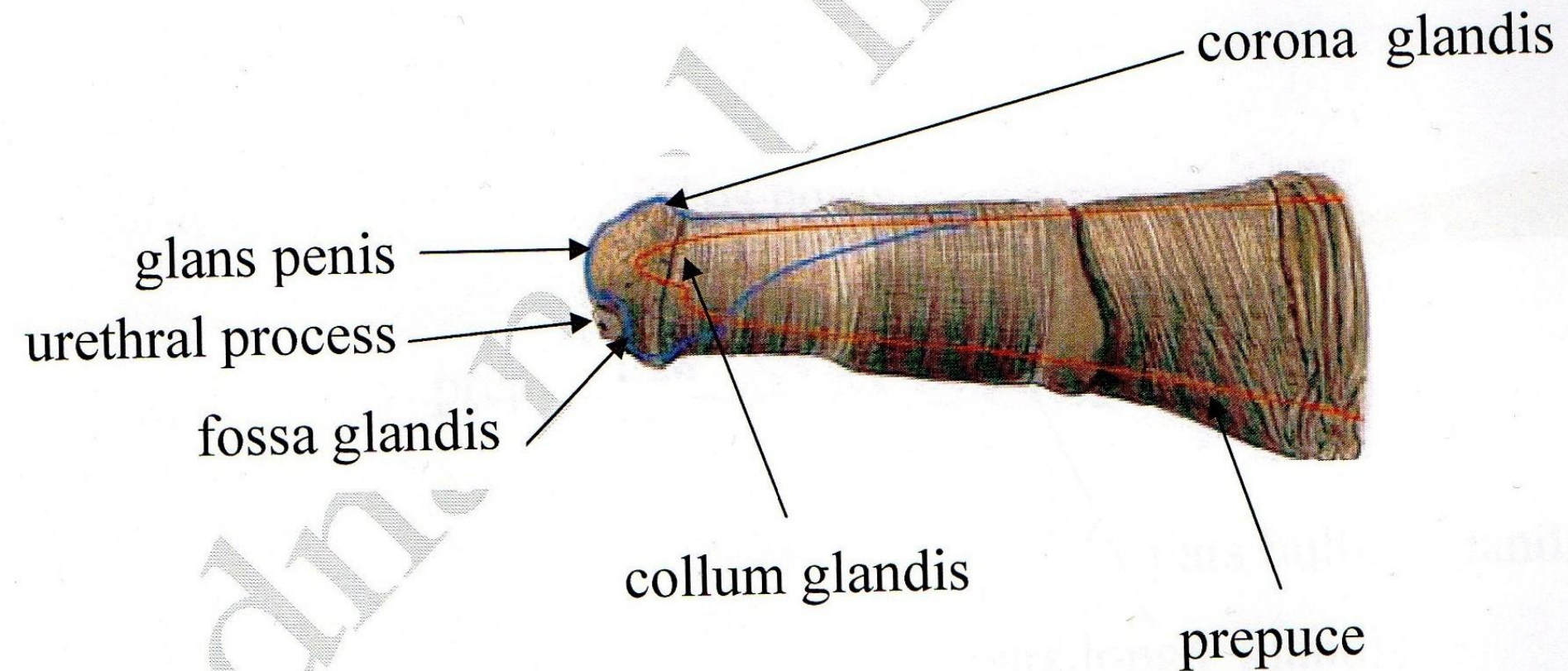
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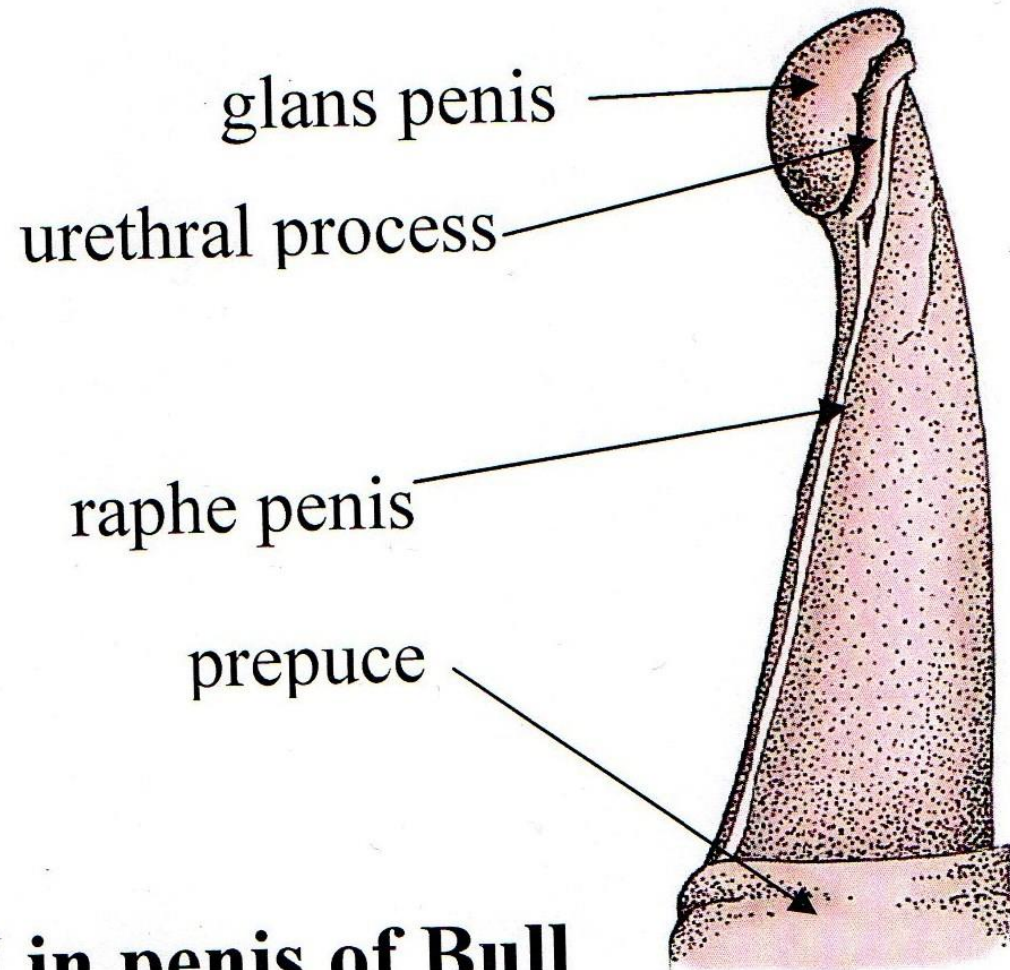
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Free end in Penis of horse



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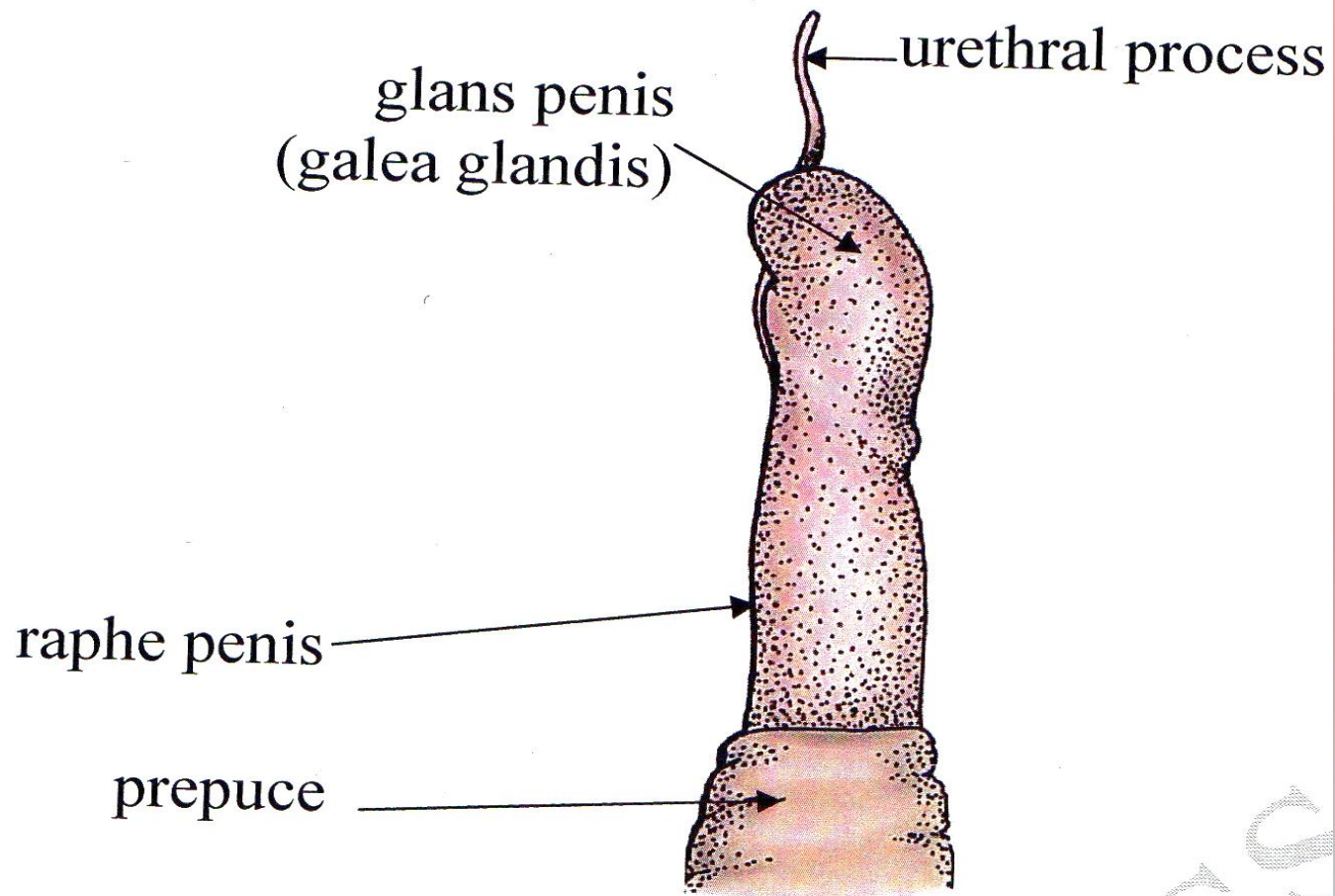


Free end in penis of Bull



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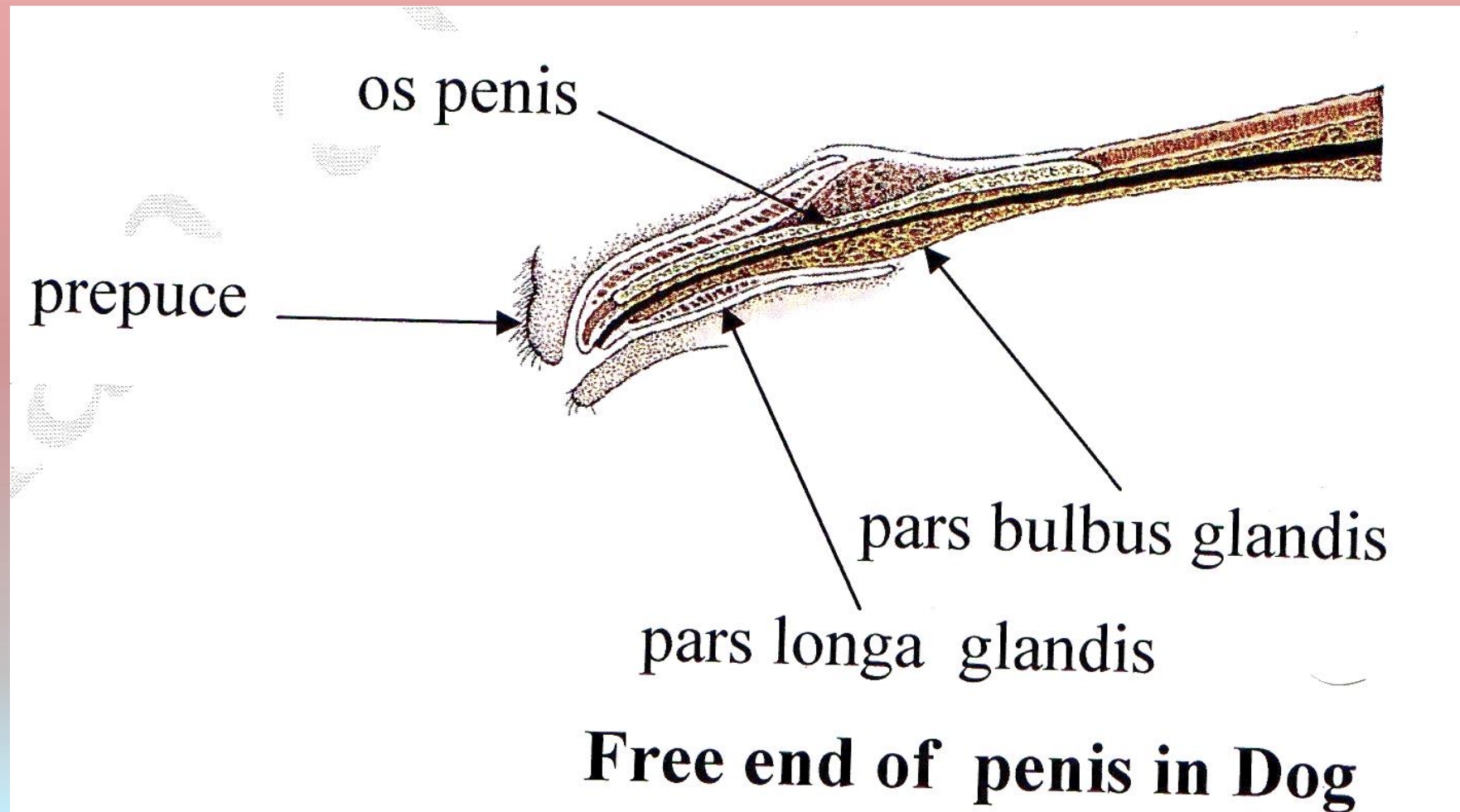


Free end of penis in Ram and billy goat



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Muscles of penis

There are 3 type of muscles:-

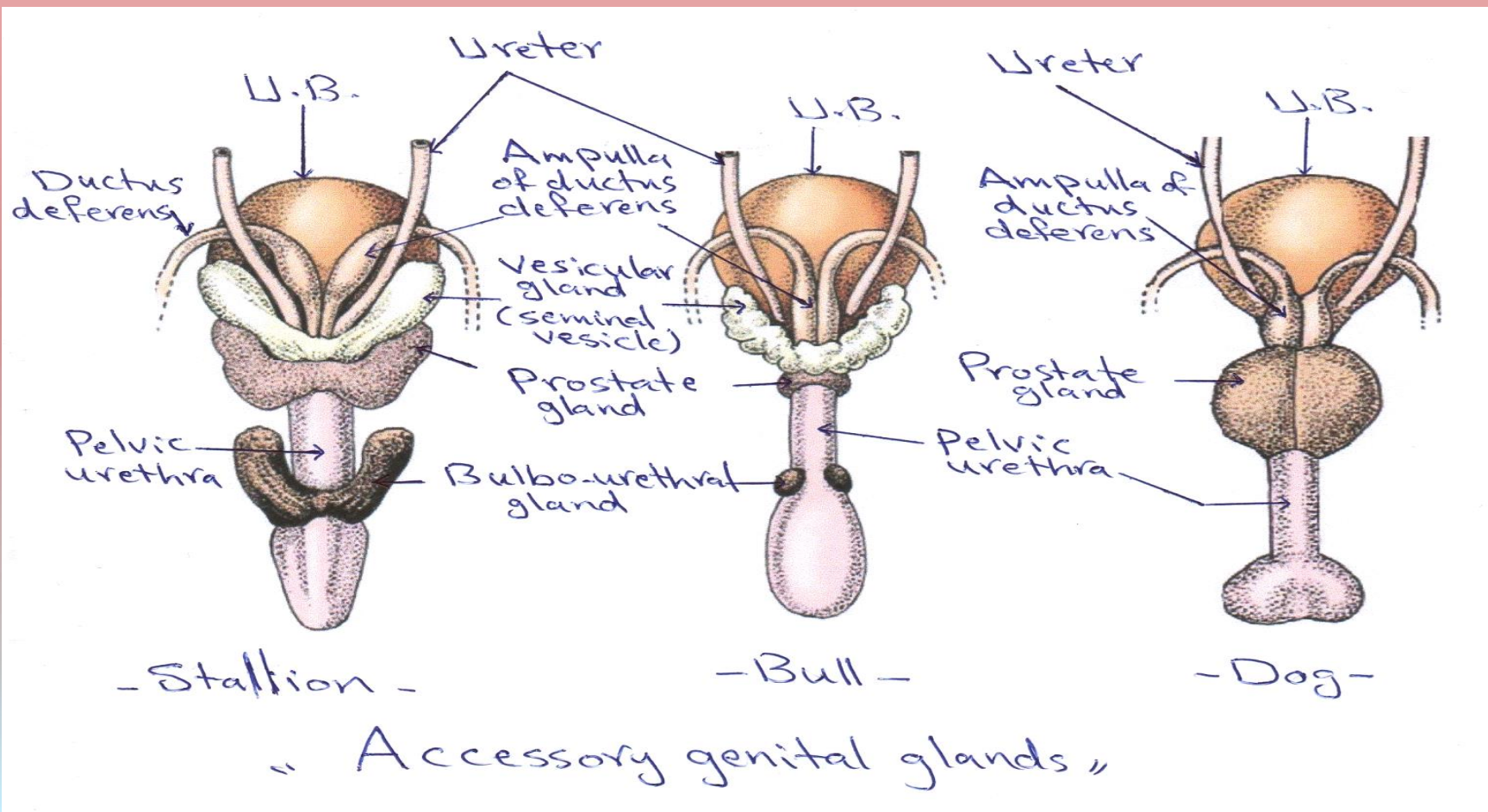
- 1) ischio cavernosus muscle .
- 2) bulbospongiosus muscle .
- 3) retractor penis muscle .



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ACCESSORY GENITAL GLANDS





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