



ANATOMY II

SYSTEMA GENITALIA

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Systema Genitalia

*** Bull, Ram, Goat, Stallion, Boar, Dog, Cat

Organa genitalia masculina

Testis, Epididymis, Ductus deferens, Gl.genitales accessoria, Urethra, Penis, Preputium

ORGANA GENITALIA MASCULINA

Partes Genitales Masculina Internae

Testis

Epididymis

Ductus deferens

Gl.genitales accessoria

Partes Genitales Masculina Externae

Penis

Urethra

Preputium

ORGANA GENITALIA MASCULINA

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Partes Genitales Masculina Externae

Penis

Urethra

Preputium

TESTIS (orchis, didymus)

- ❑ Male gonad or reproductive gland.
- ❑ Males have two testicles of similar size contained within the scrotum

FUNCTIONS:

- ❑ Production of sperm (Spermatogenesis):
in the Seminiferous tubules from **germ cells**)
- ❑ Production of androgens:
(**Leydig cells : Testosteron**)
(**Sertoli cells : Inhibin**)

TESTIS (orchis, didymus)

- Position and location of the scrotum;
- Regio inguinalis (eq, ru)
- Regio perianalis (su, car)

* Perineal vs Perianal

Testis

- Extremitas capitata
- Extremitas caudata
- Fascies lateralis
- Fascies medialis
- Margo liber
- Margo epididymalis

Testis

- Descensus testiculorum
 - * Spatium inguinale
 - * Canalis inguinalis
 - * Proc.vaginalis
 - * Canalis vaginalis
 - * Cavum vaginale
- *** orchyitis
- *** cryptorchidism
- *** inguinal hernia

Covering membrans

- Scrotum
- Tunica dartos
- Fascia spermatica ext. (m.obliq.ext.abdominis)
- Fascia cremasterca (m.obliq.int.abdominis)
- M.cremaster (m.obliq.int.abdominis)
- Fascia spermatica interna (fascia transversalis)
- Tunica vaginalis (serous)
 - Lamina parietalis (peritoneum parietale)
 - Lamina visceralis (peritoneum viscerale)
- Tunica albuginea (fibrous)
 - septula testis
 - mediastinum testis
 - lobuli testis

Paranchyma testis

- Tubuli seminiferi contorti
- Tubuli seminiferi recti
- Rete testis
- Ductuli efferentes testis
- Ductus epididymidis

EPIDIDYMIS

- Storage of sperma.
- Ductus epididymidis
 - Caput epididymidis
 - Corpus epididymidis
 - Cauda epididymidis
- Bursa testicularis
- Lig.testis proprium
- Lig.cauda epididymidis

Ductus Deferens

□ Vas deferens

□ Funiculus spermaticus

a.et v.testicularis / Plx.pampiniformis

plx.testicularis

lenf damarları

m.cremaster

ductus deferens

□ Ampulla ductus deferentis

(absent in cats)

□ Ductus ejaculatorius

□ Colliculus seminalis

Vasectomy

Gl. Genitales Accessoria

Gl. vesicularis (ru., su)

vesicula seminalis (eq.)

- Prostata (all domestic mammals)
- Gl. bulbourethralis (except dog)

PENIS

- Radix penis
 - Crus penis
- Corpus penis
 - Flexura sigmoidea (su, ru)
 - Corpus cavernosum penis
 - Corpus spongiosum penis
 - Tunica albuginea
- Glans penis
 - Pars longa glandis (car.)
 - Bulbus glandis (car.)
 - Os penis-Baculum (car)
 - ***sulcus urethralis (ca)

Penis Kasları

- ❑ **M.ischiocavernosus :**
- ❑ **M.urethralis :**
- ❑ **M.ischiourethralis:**
- ❑ **M.bulbourethralis:**
- ❑ **M.retractor penis :**
- ❑ **M.cremaster :**

PREPUTIUM

- Lamina externa
- Ostium preputiale
- Lamina interna
- Ostium urethra externum
- Cavum preputiale
- Diverticulum preputiale (sus)