

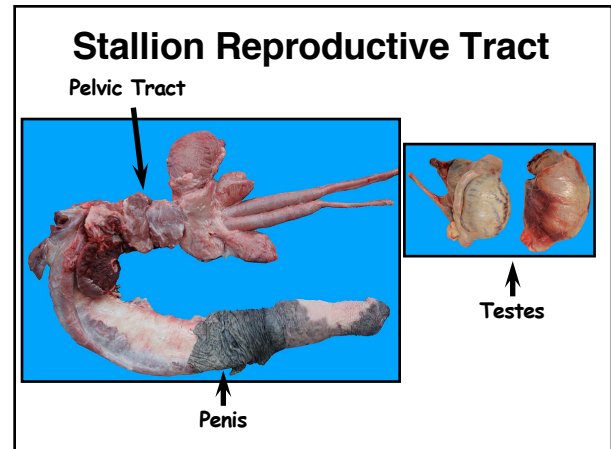
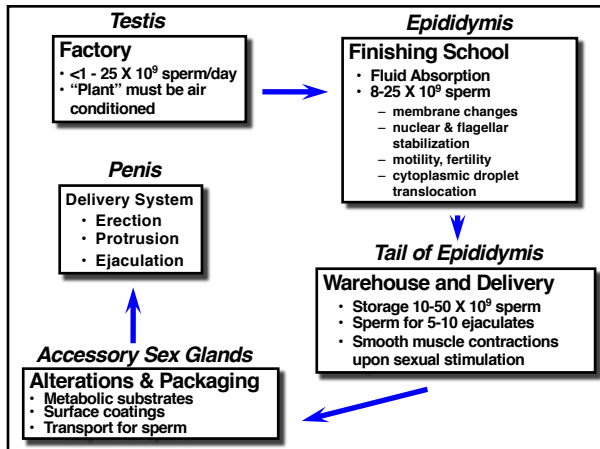
Animal/Dairy Science 434

Male Reproductive Tract Anatomy

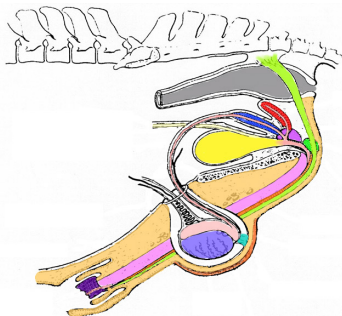


Learning Objectives

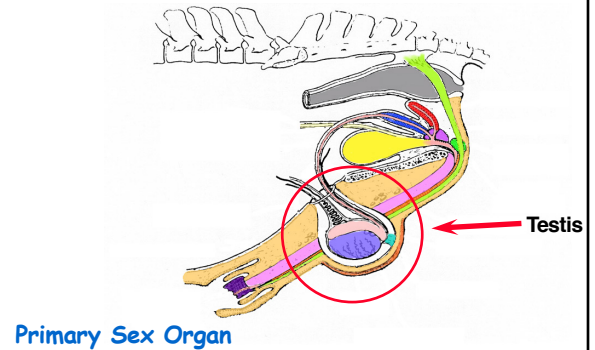
- To be able to describe the male reproductive system in the stallion.
 - Structure
 - Function

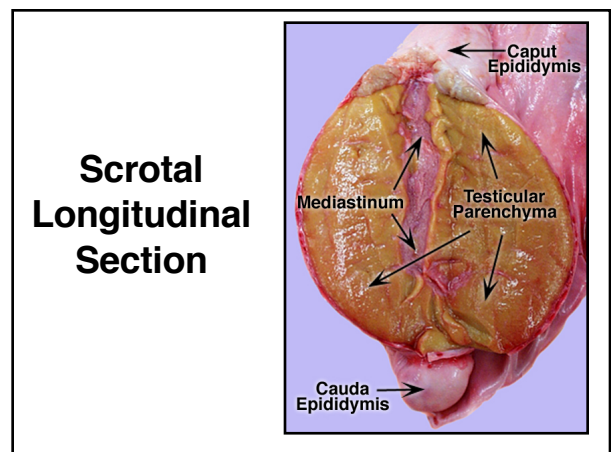
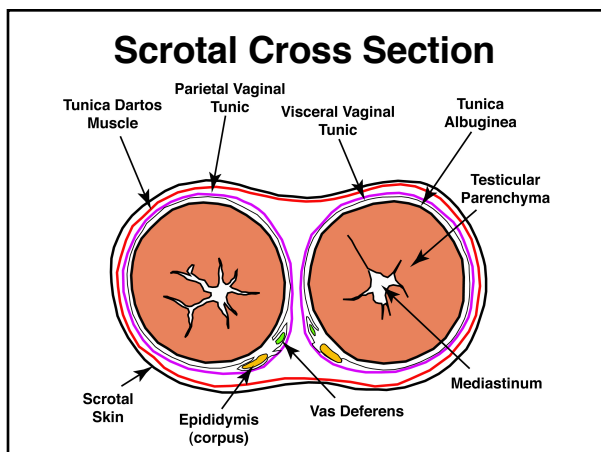
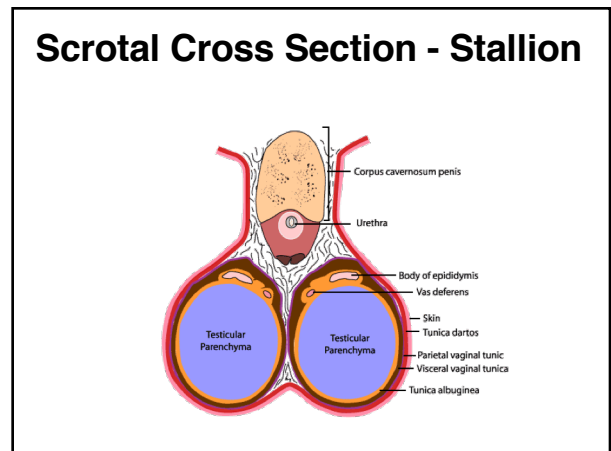
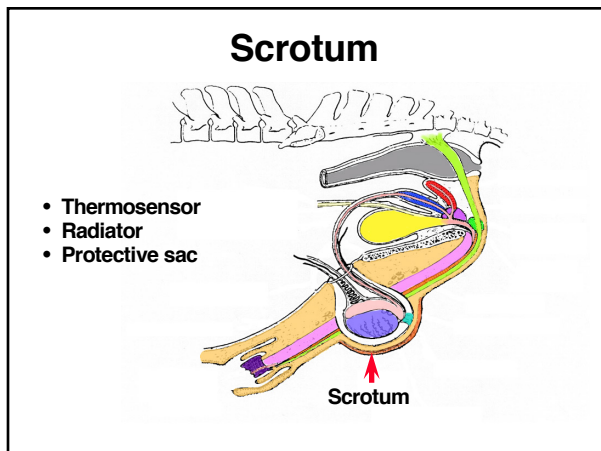
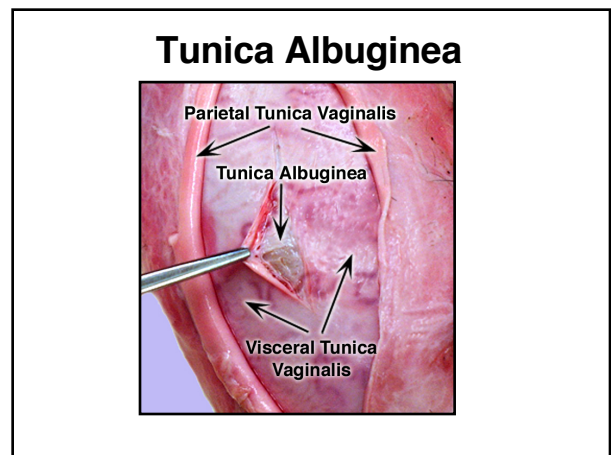
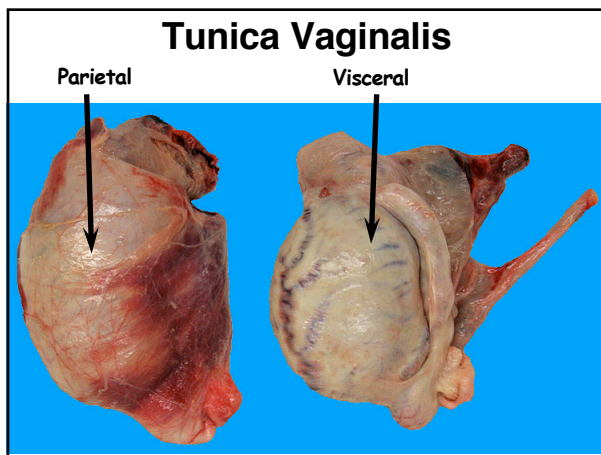


Reproductive Organs of the Stallion

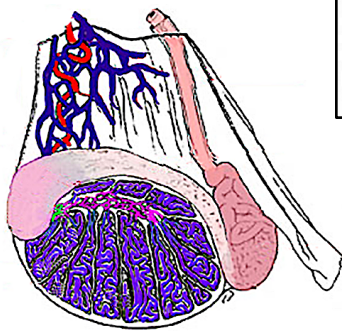


Reproductive Organs of the Stallion

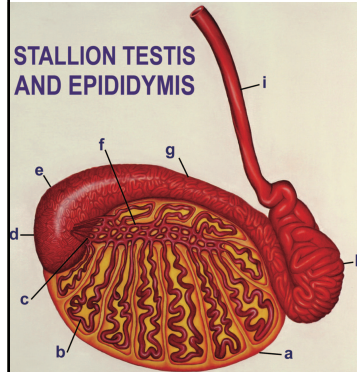




Equine Testis and Spermatic Chord

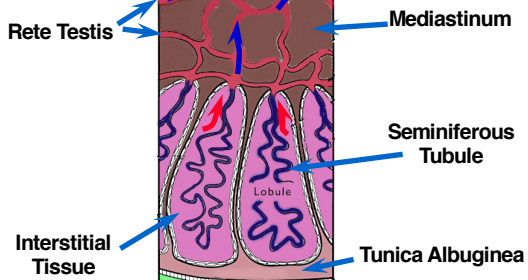


STALLION TESTIS AND EPIDIDYMIS



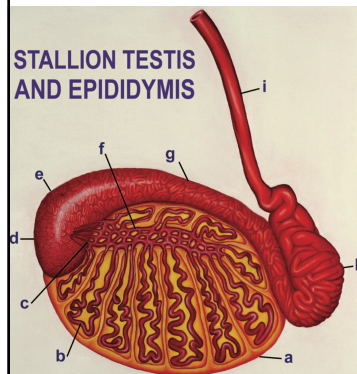
- a. Tunica Albuginea
- b. Seminiferous tubule
- c. Efferent Ducts
- d. Initial Segment
- e. Caput (head)
- f. Rete testis
- g. Corpus (body)
- h. Cauda (Tail)
- i. Vas Deferens

Varner and Johnson, 2007



The Testis

STALLION TESTIS AND EPIDIDYMIS



Primary Sex Organ

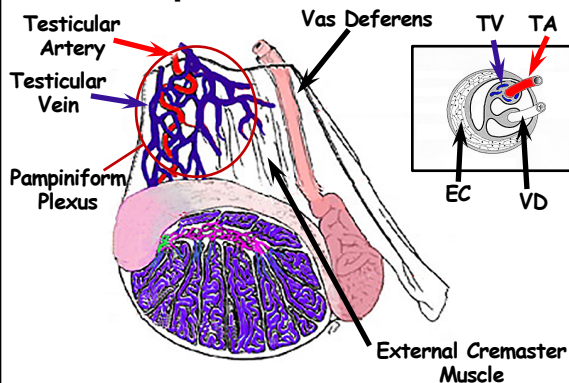
- Testes
 - Testosterone
 - Sperm

Secondary Sex Organs

- Efferent Ducts
- Epididymis
 - Caput
 - Corpus
 - Cauda
- Vas Deferens

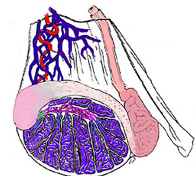
Varner and Johnson, 2007

Spermatic Chord



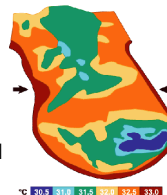
Spermatic Chord

- Vascular, lymphatic and nerves
- Heat exchanger
- Houses cremaster muscle

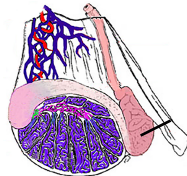
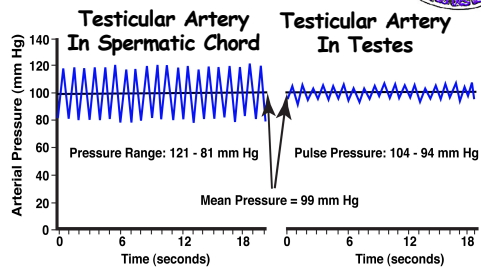


Pampiniform Plexus

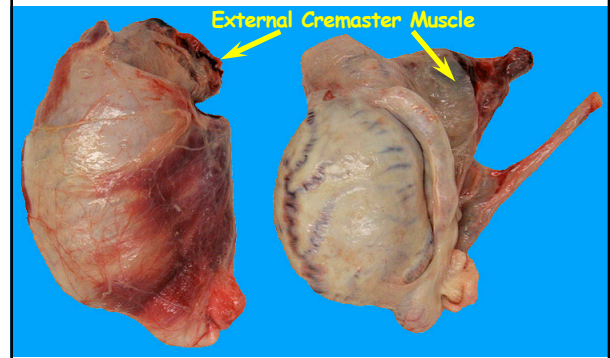
- Counter Current Exchange
 - Arterial Blood 39C, 4.8 ng T/ml
 - Venous blood 34C, 70 ng T/ml



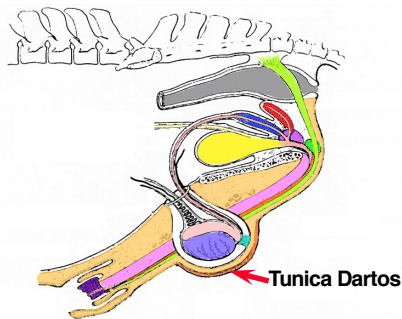
Testis Arterial Pulse



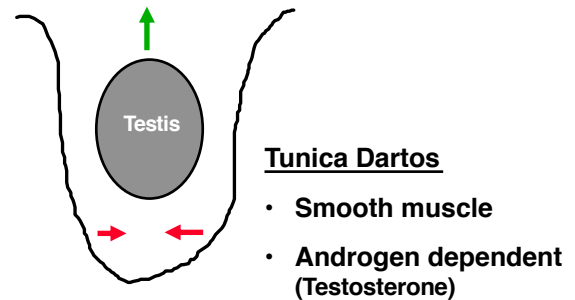
Spermatic Chord



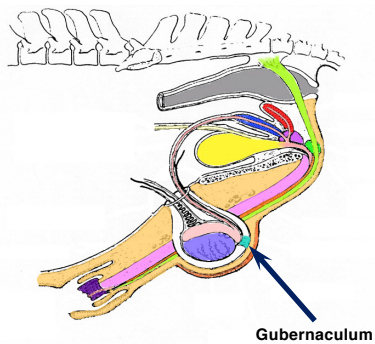
Reproductive Organs of the Stallion



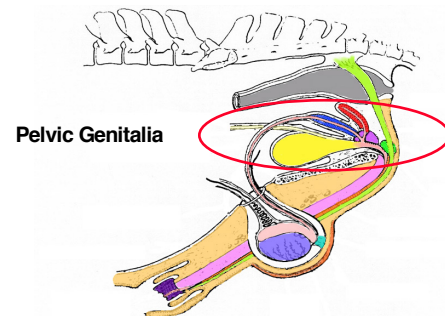
Contraction of the Tunica Dartos



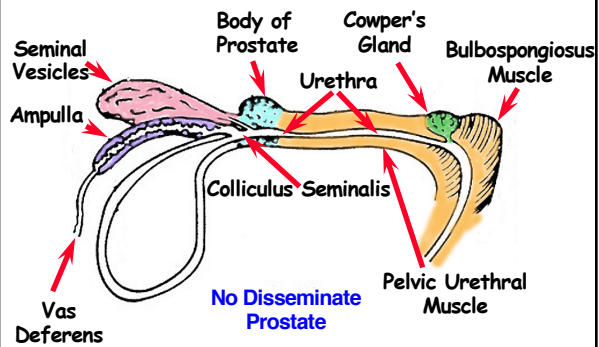
Reproductive Organs of the Stallion



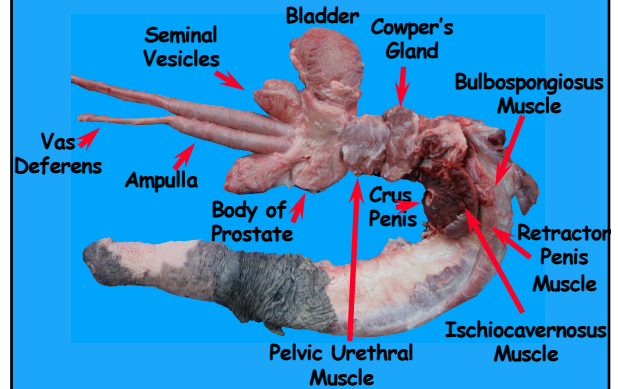
Reproductive Organs of the Stallion



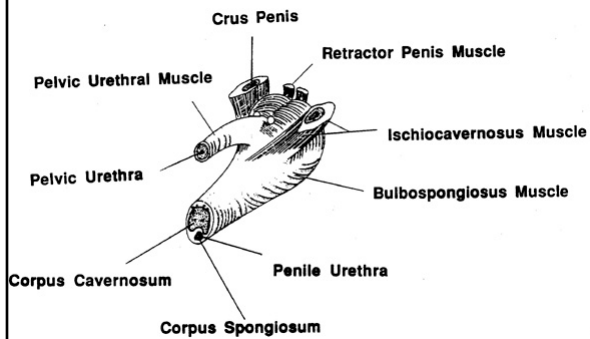
Pelvic Genitalia of the Stallion



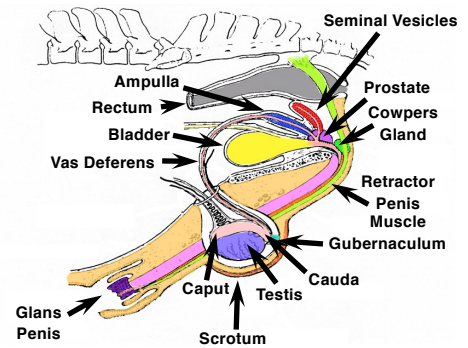
The Stallion



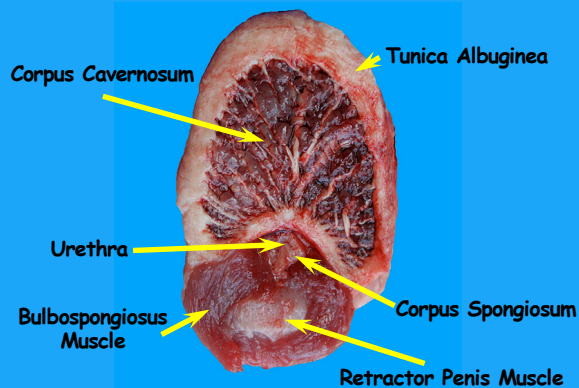
Bulb of the Penis



Reproductive Organs of the Stallion



Cross Section of Stallion Penis



Equine Penis

