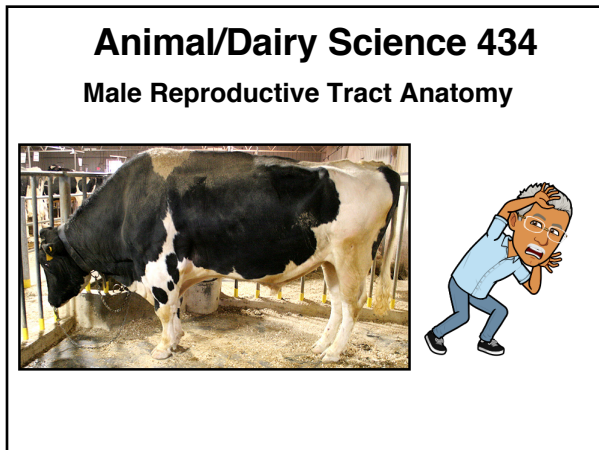
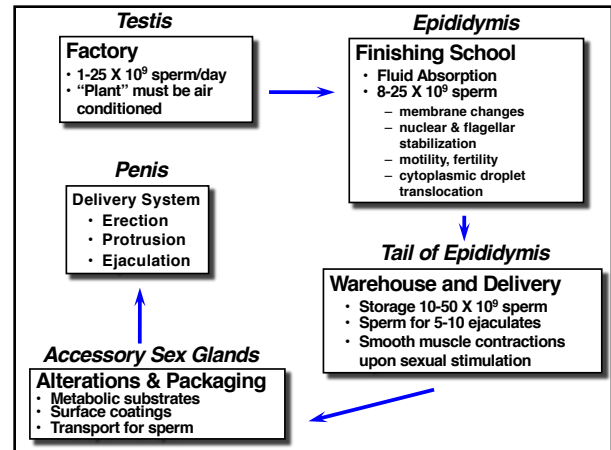
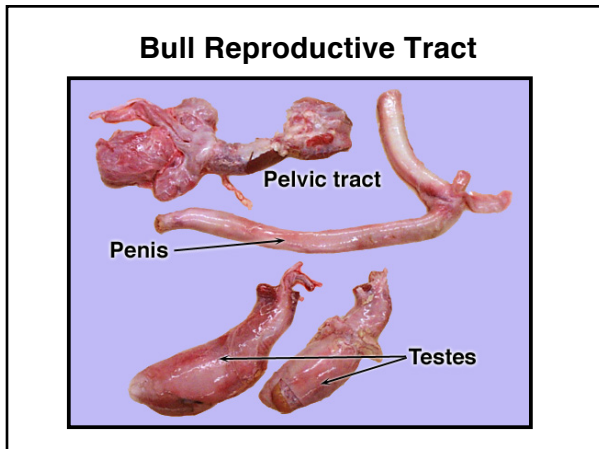




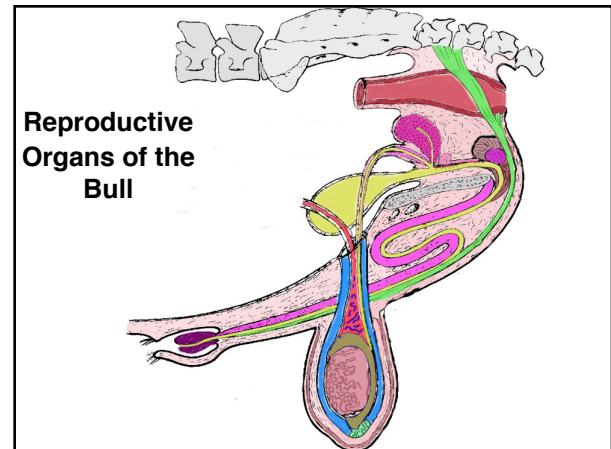
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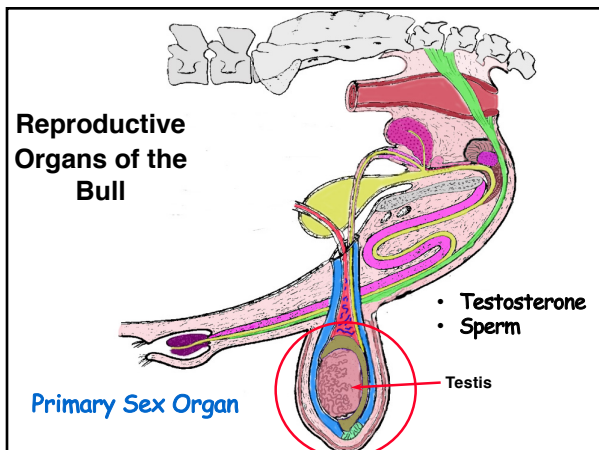
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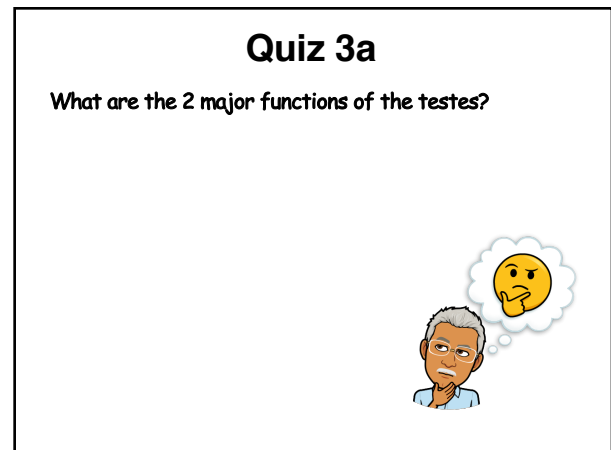
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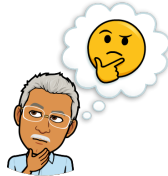


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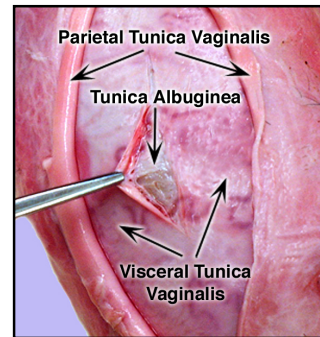
Quiz 3a

What are the 2 major functions of the testes?

The formation of sperm and production of the hormone testosterone.



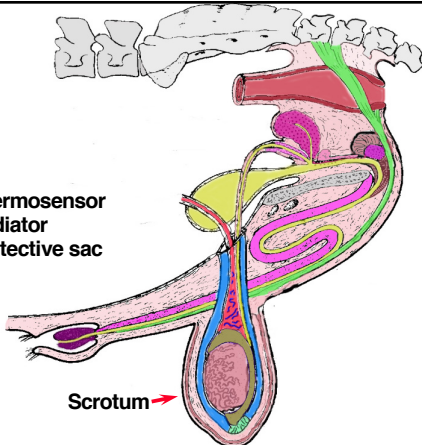
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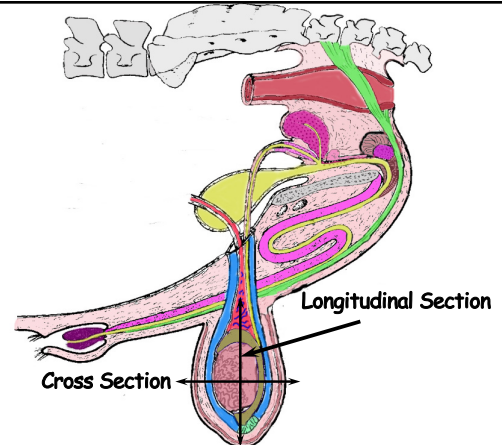
Bull Testis

8

- Thermosensor
- Radiator
- Protective sac

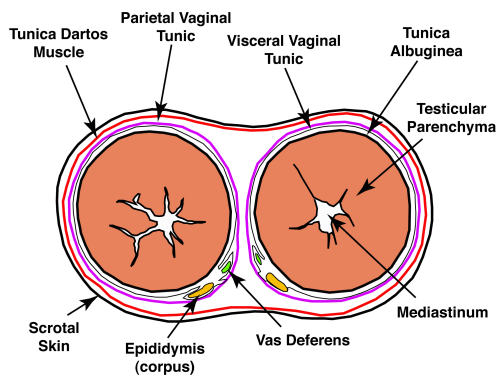


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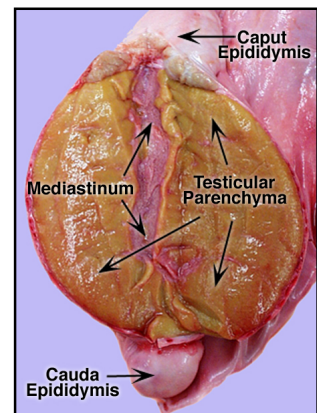
10

Scrotal Cross Section

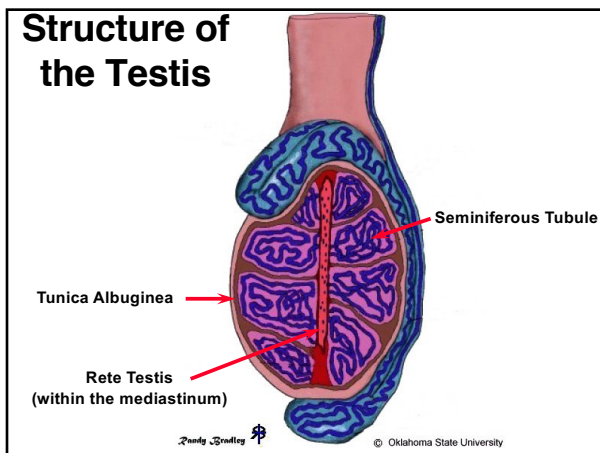


11

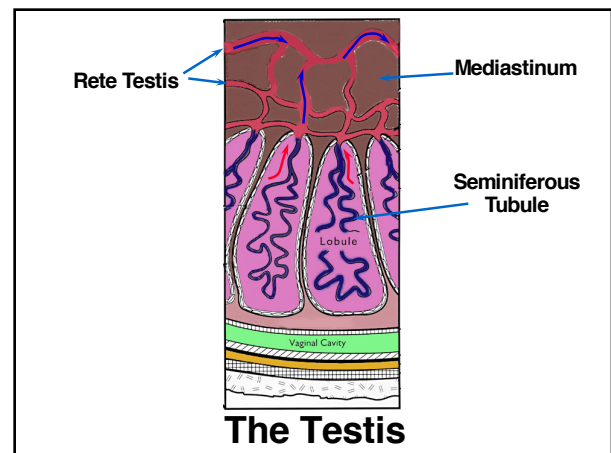
Scrotal Longitudinal Section



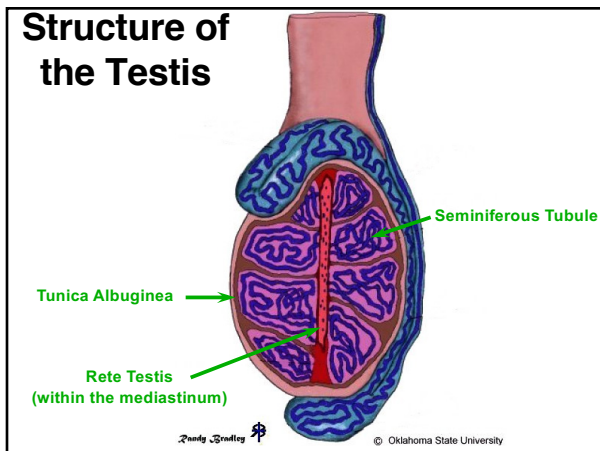
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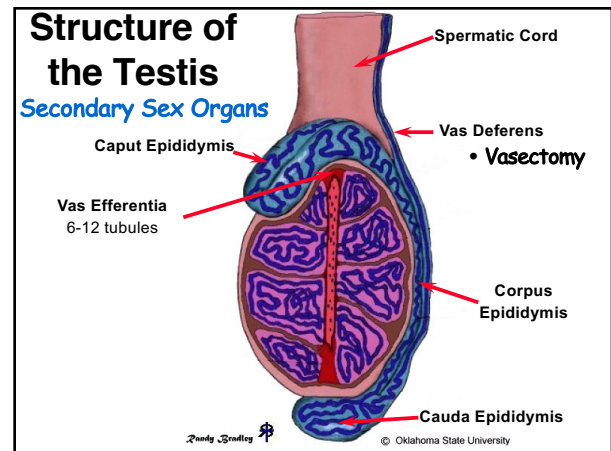
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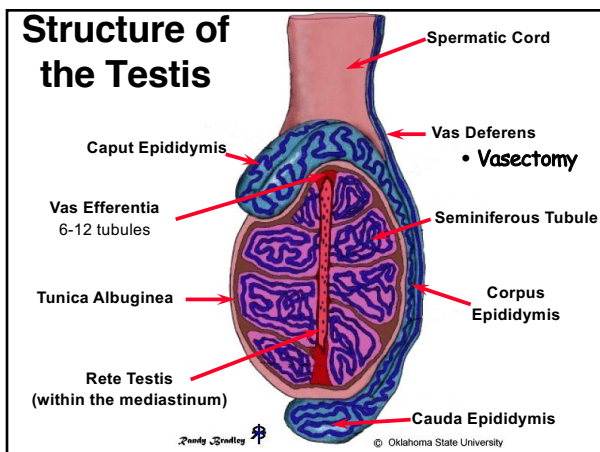
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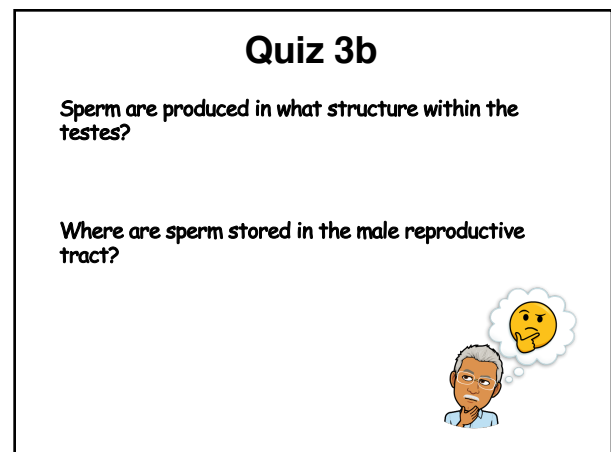
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16



17



18

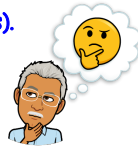
Quiz 3b

Sperm are produced in what structure within the testes?

Seminiferous Tubules

Where are sperm stored in the male reproductive tract?

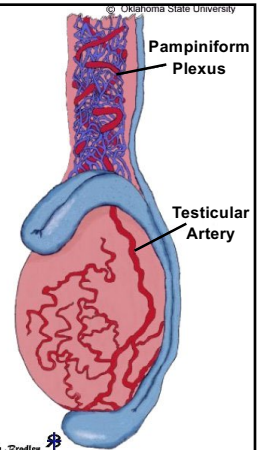
Tail of the Epididymis (Cauda Epididymis).



19

Spermatic Chord

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

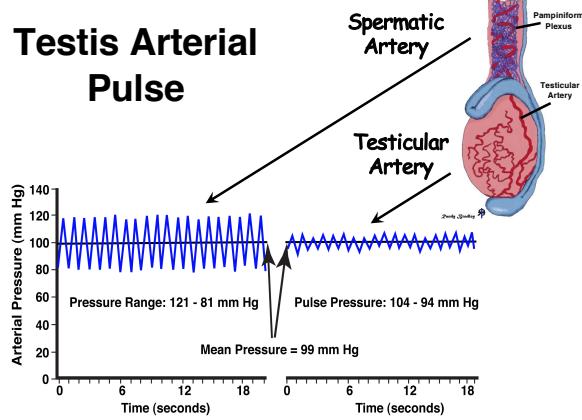


Pampiniform Plexus

- Counter Current Exchange
 - > 39° C - 34° C
 - > 70 ng T/ml - 4.8 ng T/ml

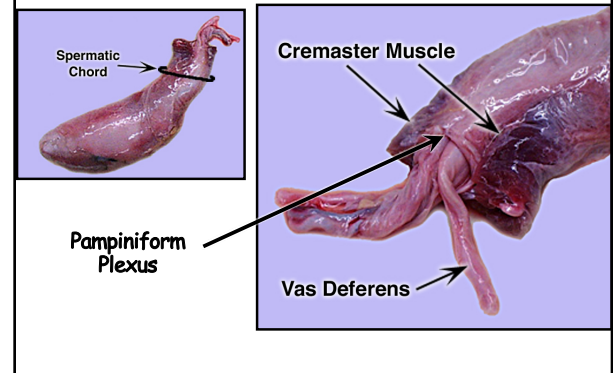
20

Testis Arterial Pulse

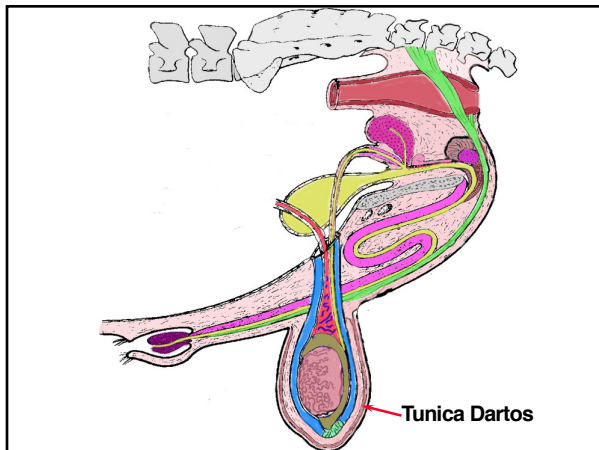


21

Spermatic Chord

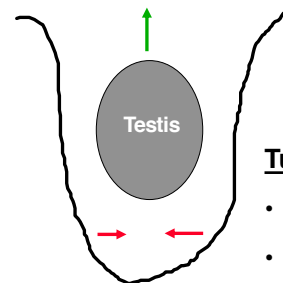


22



23

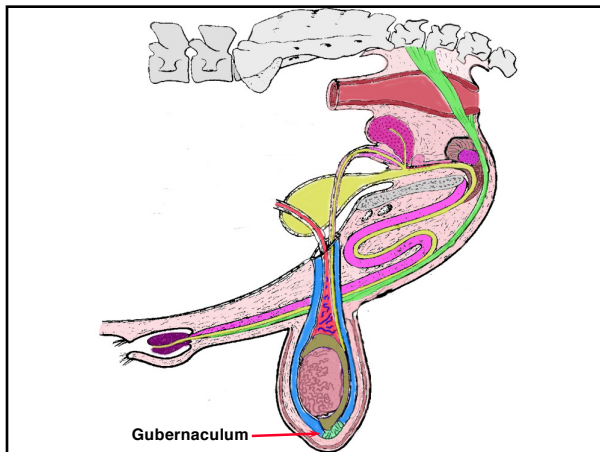
Contraction of the Tunica Dartos



Tunica Dartos

- Smooth muscle
- Androgen dependent (Testosterone)

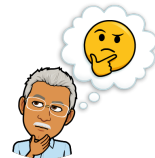
24



25

Question 3c

How is the testis cooled?



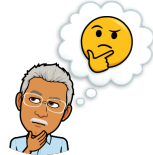
26

Question 3c

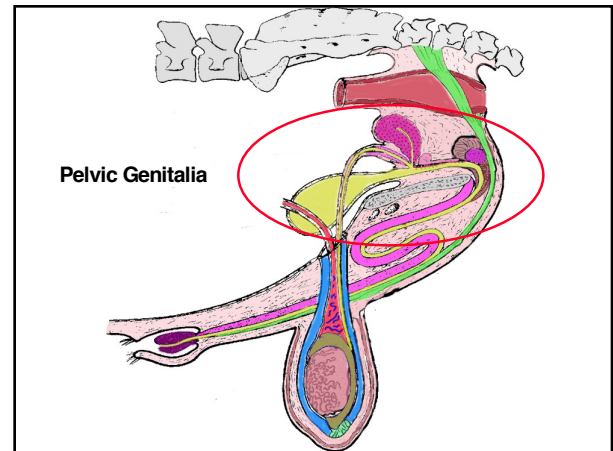
How is the testis cooled?

The blood is cooled by the pampiniform plexus and the testis can be raised or lowered by the tunica dartos.

The external cremaster functions in fight or flight events.

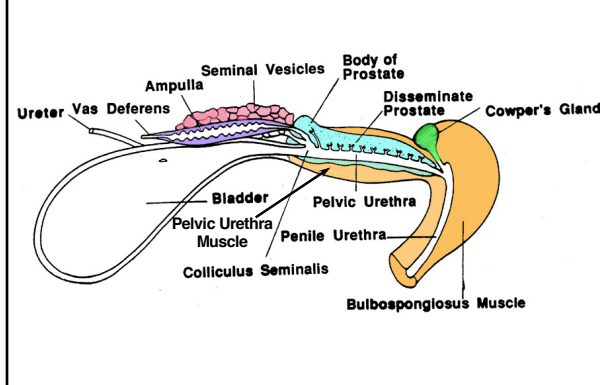


27



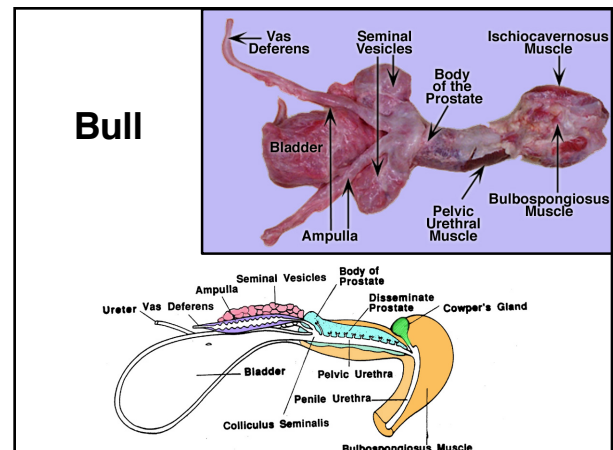
28

Pelvic Genitalia of the Bull

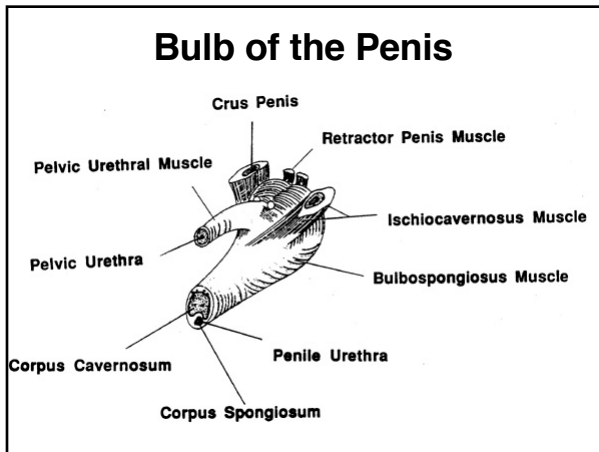


29

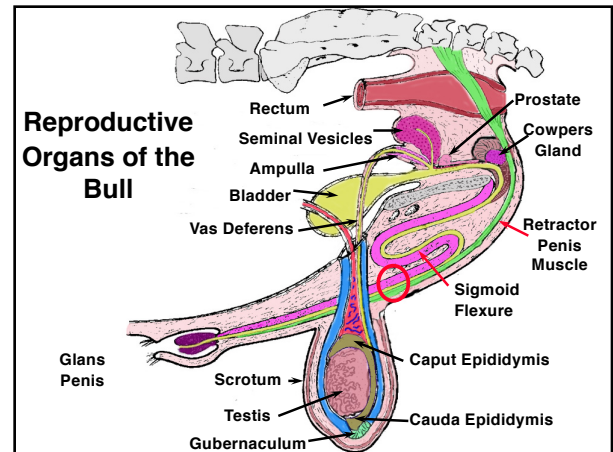
Bull



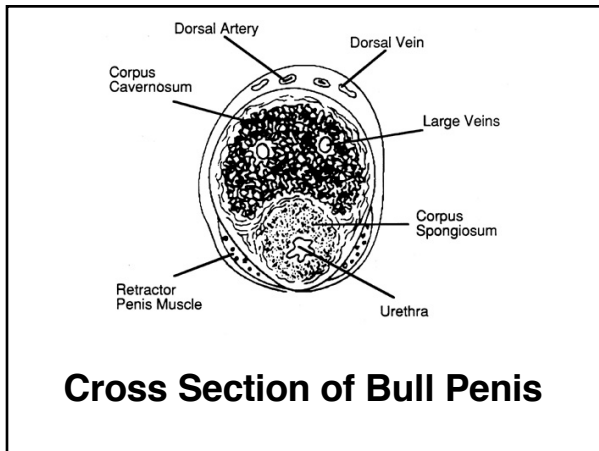
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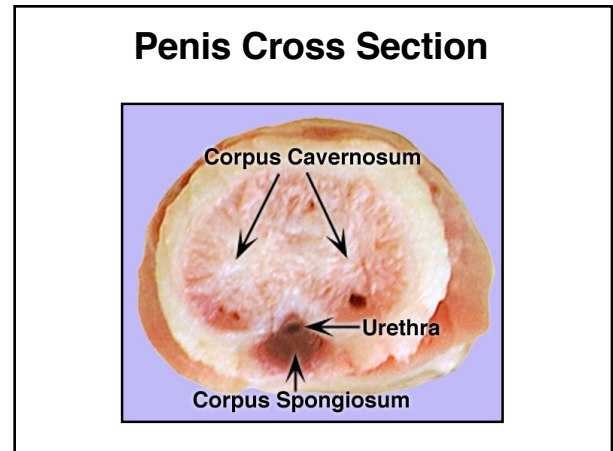
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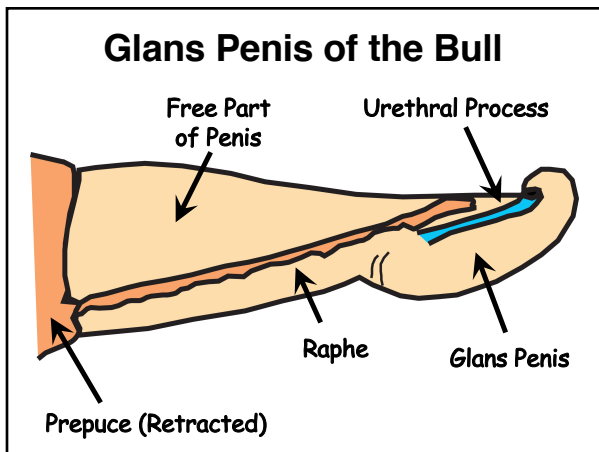
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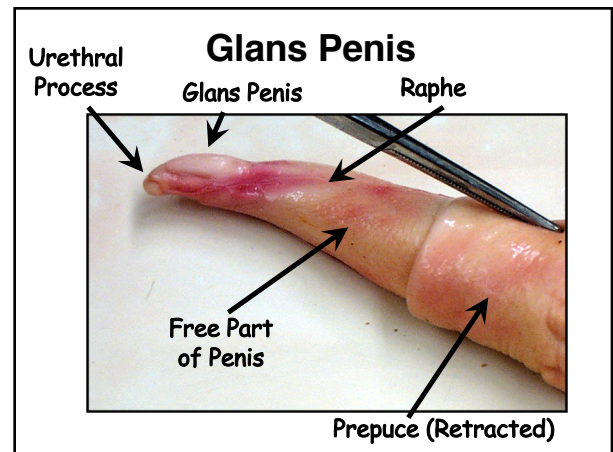
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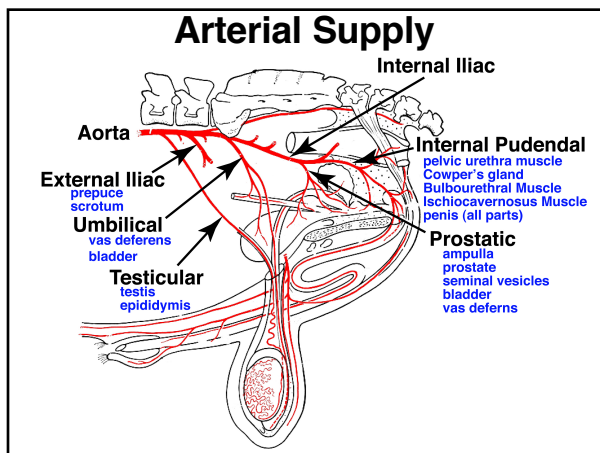
34



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Quiz 3d

What is a vasectomy and how does this differ from castration?



38

Quiz 3d

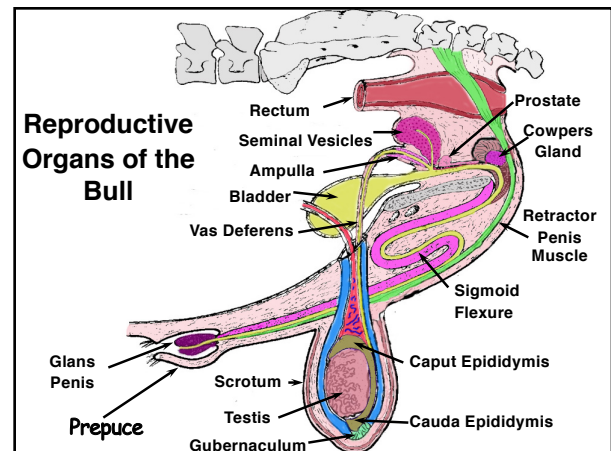
What is a vasectomy and how does this differ from castration?

Vasectomy is when the vas deferens is cut to prevent a male from getting a female pregnant.

Castration is when the testes are removed and will prevent a pregnancy but also eliminates testosterone and therefore male behavior.



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