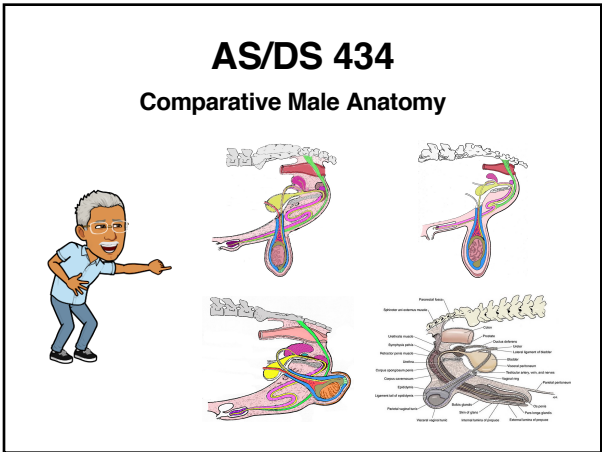
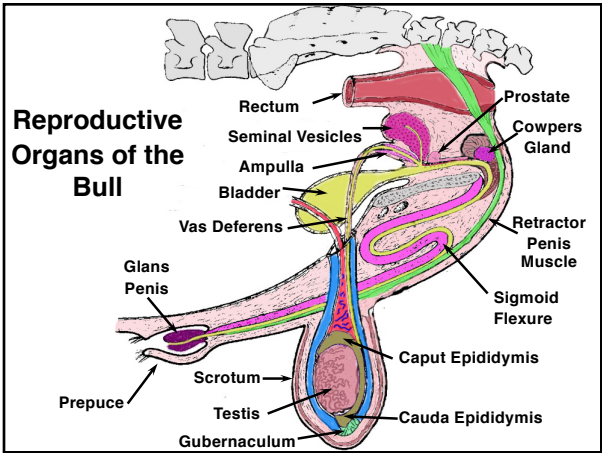




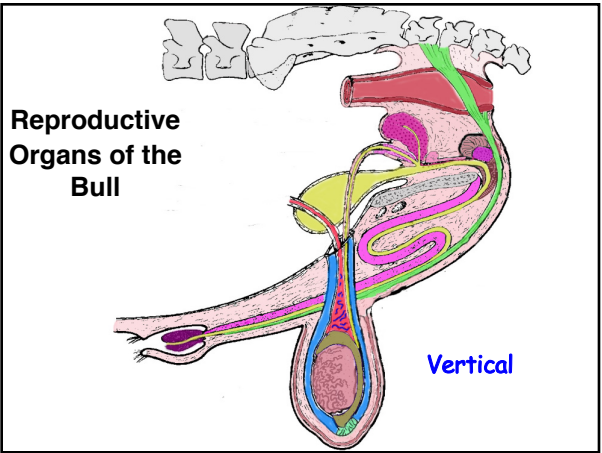
1

| Testis   |                       |                  |               |
|----------|-----------------------|------------------|---------------|
| Species  | Testis Wt.<br>(grams) | % Of<br>Body Wt. | Orientation   |
| bull     | 300+                  | .03              | vertical      |
| ram      | 250                   | .3               | vertical      |
| boar     | 350                   | .2               | oblique       |
| stallion | 200                   | .03              | horizontal    |
| dog      | 25                    | .2               | oblique/horz. |
| rabbit   | 2.5                   | .1               | vertical      |
| human    | 25                    | .03              | vertical      |

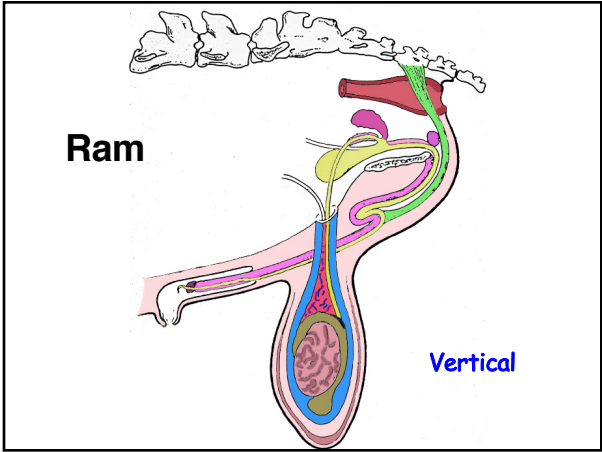
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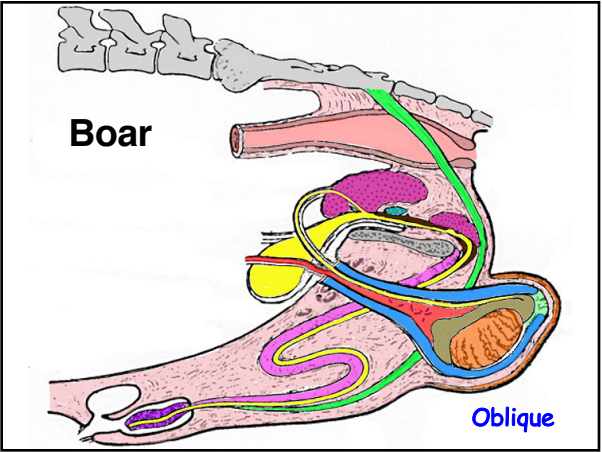
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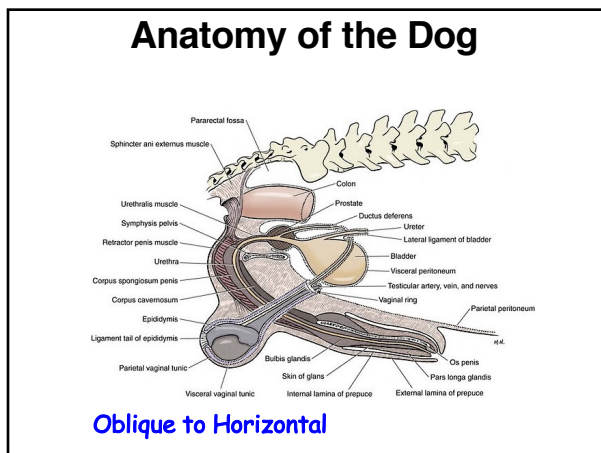
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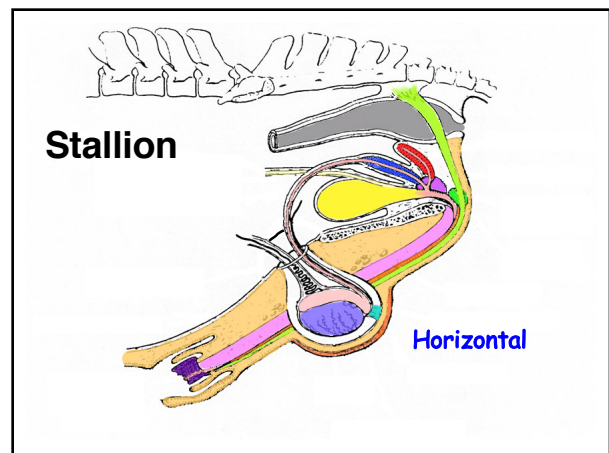
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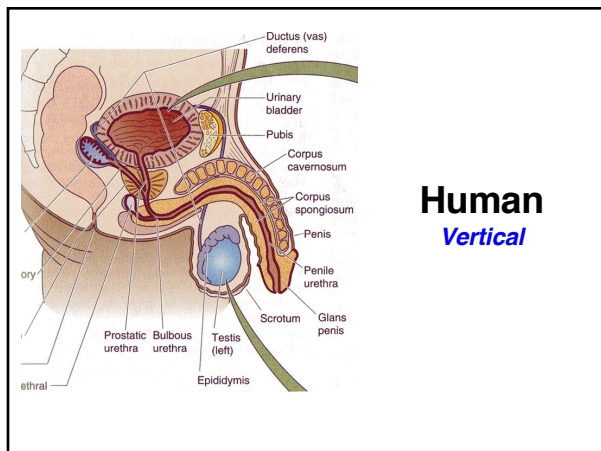
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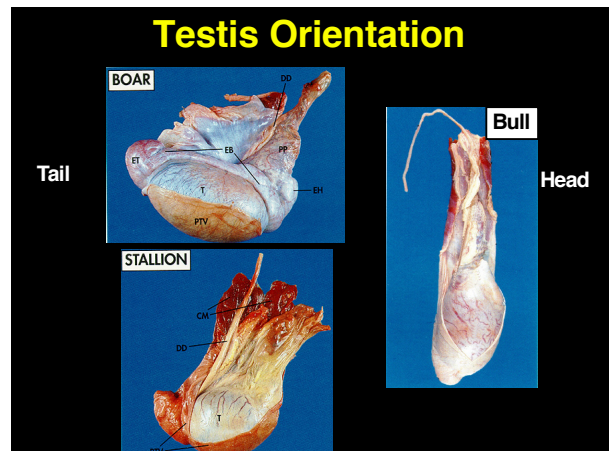
7



8



9



10

| Testis   |                    |               |                    |
|----------|--------------------|---------------|--------------------|
| Species  | Testis Wt. (grams) | % Of Body Wt. | Orientation        |
| bull     | 300+               | .03           | vertical           |
| ram      | 250                | .3            | vertical           |
| boar     | 350                | .2            | oblique            |
| stallion | 200                | .03           | horizontal         |
| dog      | 25                 | .2            | oblique/horizontal |
| rabbit   | 2.5                | .1            | vertical           |
| human    | 25                 | .03           | vertical           |

11

### Quiz 4a

Remember to pause while you consider the answer to this question.

List the males with the following orientation to the testes:

Vertical –  
Horizontal –  
Oblique –

12

## Quiz 4a

Remember to pause while you consider the answer to this question.

List the males with the following orientation to the testes:

Vertical – **Bull, Ram, Human, Rabbit (Buck)**

Horizontal – **Stallion, Dog**

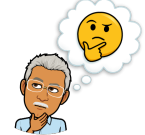
Oblique – **Boar, Dog**



13

## Quiz 4b

Which male has the largest testes by weight?



14

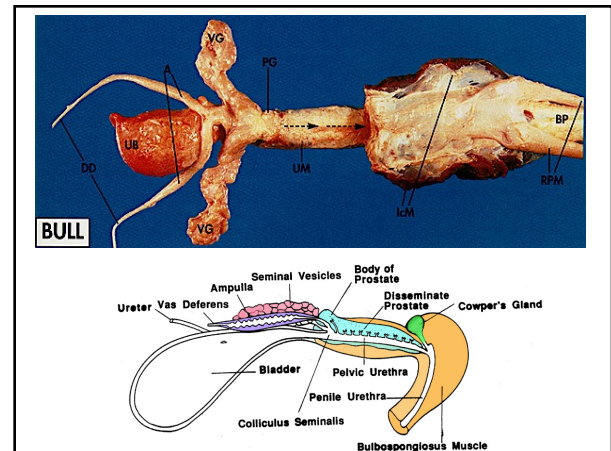
## Quiz 4b

Which male has the largest testes by weight?

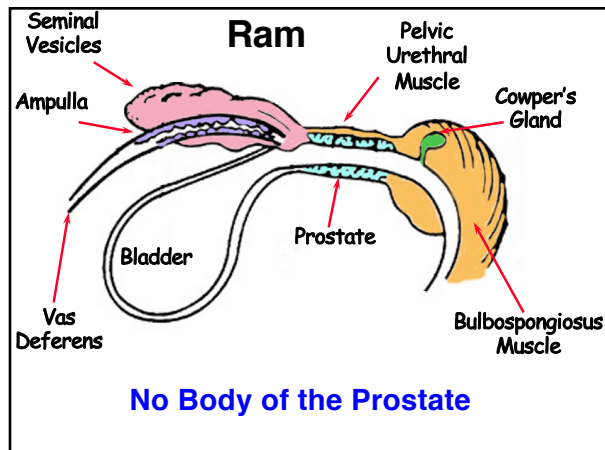
**Boar has the largest.**



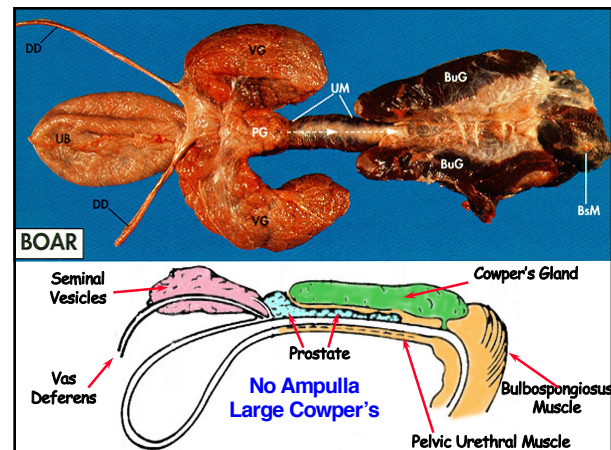
15



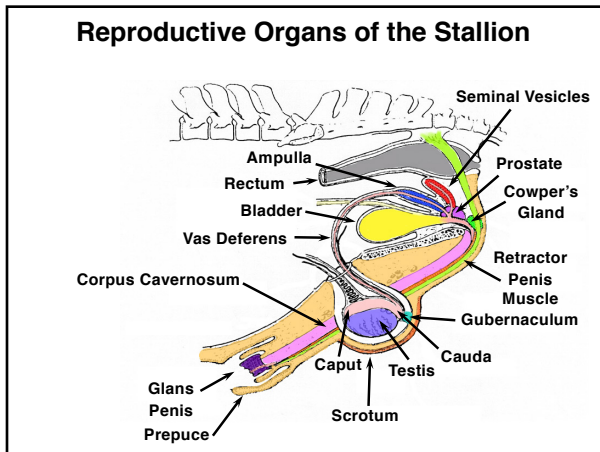
16



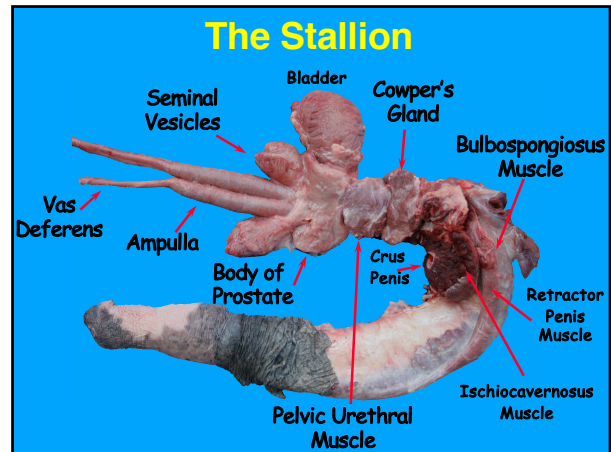
17



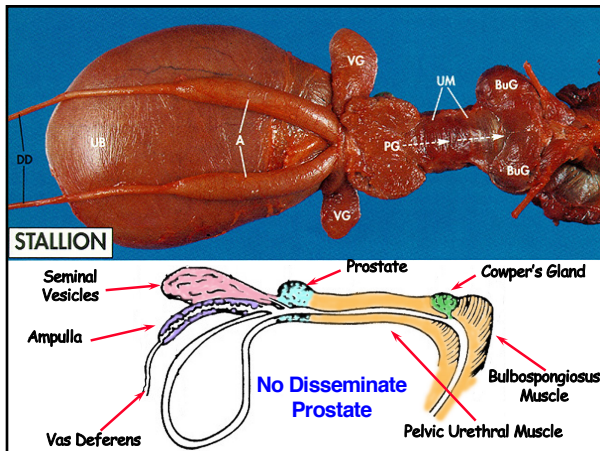
18



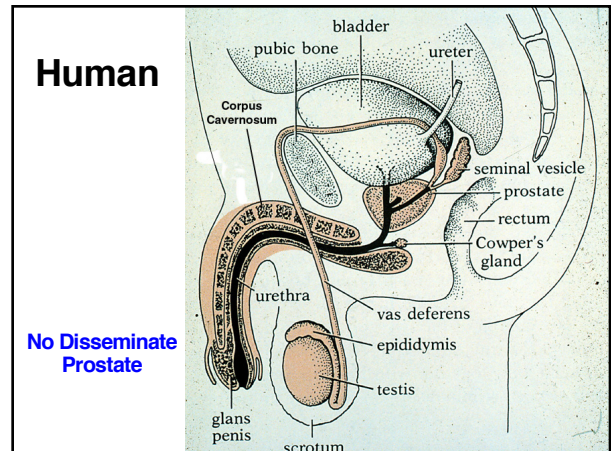
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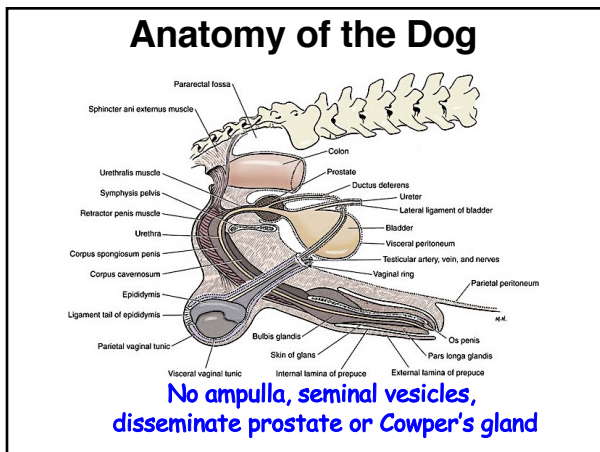
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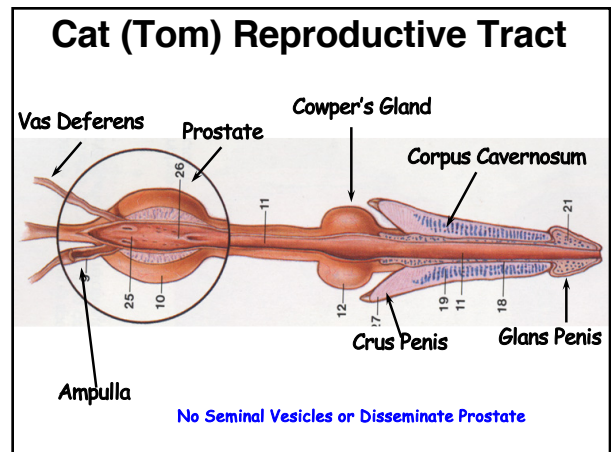
21



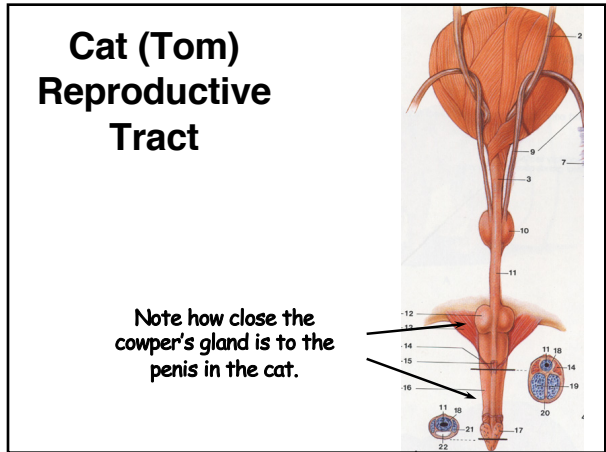
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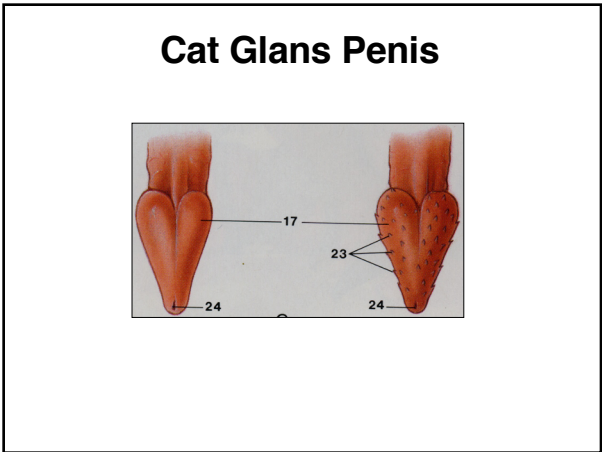
23



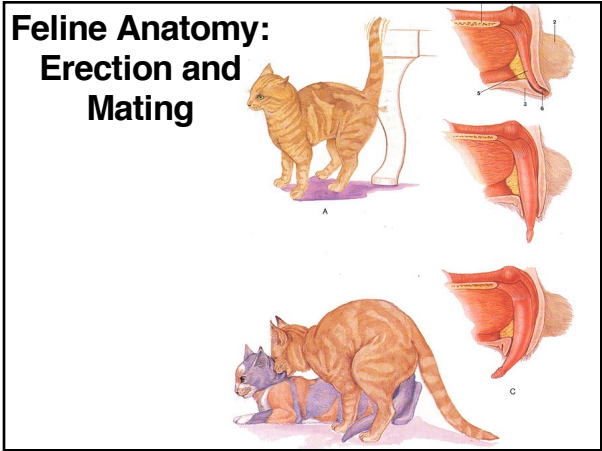
24



25



26



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# Accessory Glands

| Species  | Seminal Vesicles | Prostate |             | Cowper's |
|----------|------------------|----------|-------------|----------|
|          |                  | body     | disseminate |          |
| bull     | ++               | +        | +           | +        |
| ram      | +                | -        | +           | ++       |
| boar     | +++              | +        | +           | +++      |
| stallion | +++              | ++       | - (+)       | +        |
| dog      | -                | ++       | -           | -        |
| Cat      | -                | ++       | -           | ++       |
| human    | +                | ++       | -           | +        |

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# Accessory Gland Secretions

| Species  | Seminal Vesicles | Prostate         | Cowper's |
|----------|------------------|------------------|----------|
| Bull     |                  | No Clot Material |          |
| Ram      |                  | No Clot Material |          |
| Boar     |                  |                  | Gel      |
| Stallion | Mucous           |                  |          |
| Dog      |                  | No Clot Material |          |
| Human    | Clot             | Clot-Enzyme      |          |

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# Quiz 4c

Which accessory sex gland is present in all the species we have studied?

30

## Quiz 4c

Which accessory sex gland is present in all the species we have studied?

Prostate as either the body or disseminate portion.

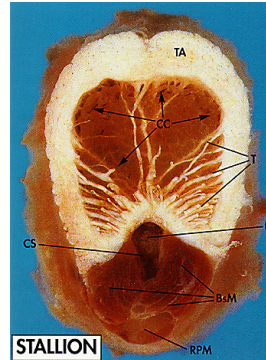


31

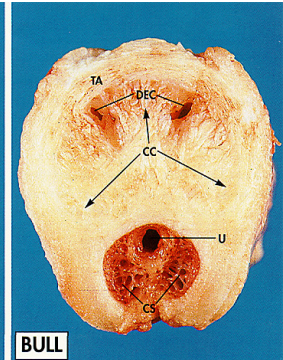
## Penis Types

Muscular-Vascular

Fibroelastic



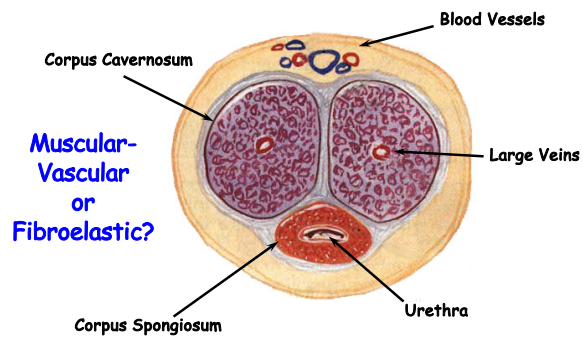
STALLION



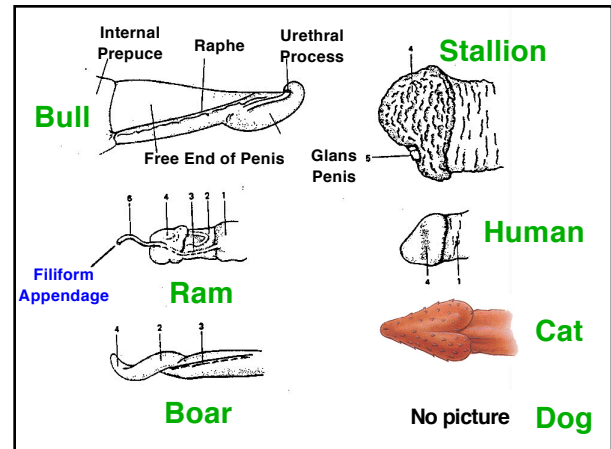
BULL

32

## Human Penis Cross Section

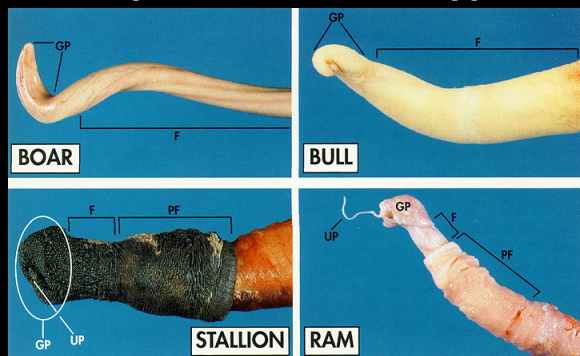


33



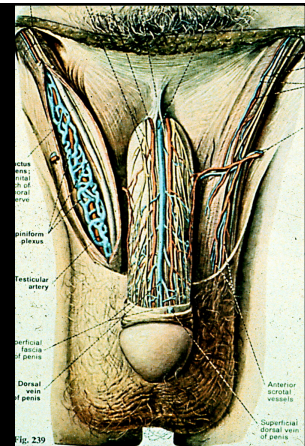
34

## Comparison of Penis Types

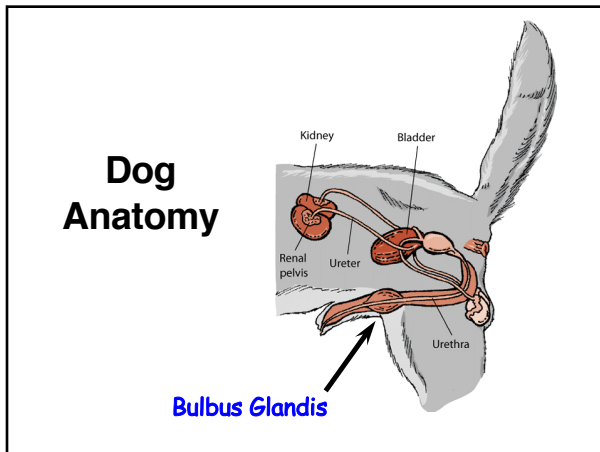


35

## Human



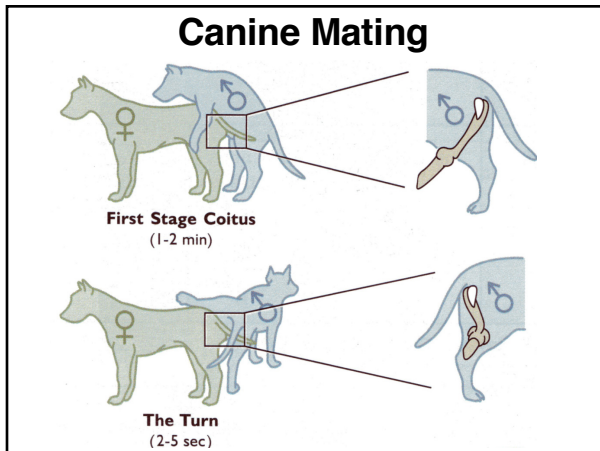
36



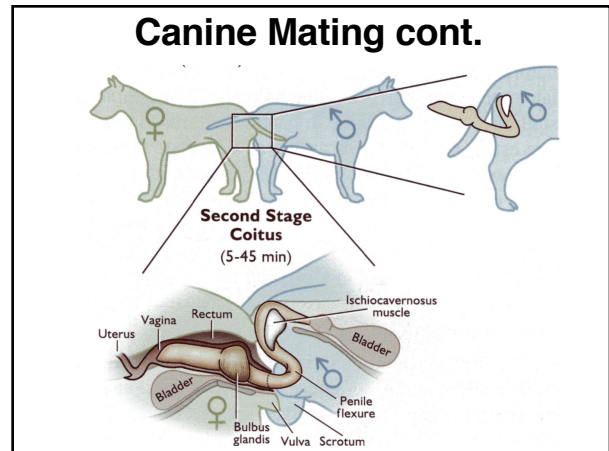
37



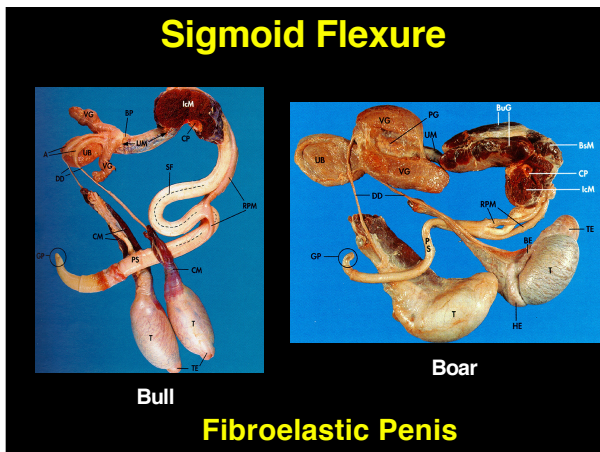
38



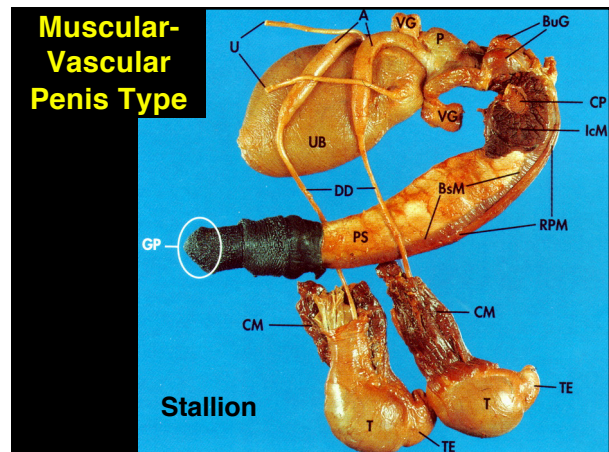
39



40



41



42

| The Penis |                      |      |          |                     |
|-----------|----------------------|------|----------|---------------------|
| Species   | Sigmoid Type Flexure | Type | Erectile | Glans Tissue        |
| Bull      | yes                  | FE   | +        | Glans               |
| Ram       | yes                  | FE   | +        | Glans               |
| Boar      | yes                  | FE   | +        | not distinct        |
| Stallion  | no                   | MV   | +++      | Large Glans         |
| Dog       | no                   | MV   | +++      | Large Glans         |
| Cat       | no                   | MV   | +++      | Large Glans+ Spines |
| Human     | no                   | MV   | +++      | Large Glans         |

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| Erection and Ejaculation Characteristics |                |            |            |             |            |
|------------------------------------------|----------------|------------|------------|-------------|------------|
| Male                                     | Speed Erection | Ejac. Time | Semen Vol. | Sperm Conc. | Sperm Num. |
| bull                                     | rapid          | short      | medium     | med.-high   | medium     |
| ram                                      | rapid          | short      | small      | high        | medium     |
| boar                                     | rapid          | long       | large      | low         | high       |
| stallion                                 | slow           | moderate   | large      | low         | medium     |
| dog                                      | slow           | long       | large      | low         | low        |
| cat                                      | slow           | moderate   | small      | high        | low        |
| human                                    | slow           | moderate   | medium     | low         | low        |

Large Testes = high sperm numbers  
Large accessory glands = large volume of the ejaculate with lower concentration of sperm

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### Quiz 4d

If a penis has a sigmoid flexure then is a vascular muscular or fibro-elastic?

45

### Quiz 4d

If a penis has a sigmoid flexure then is a vascular muscular or fibro-elastic?

Fibro-elastic

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