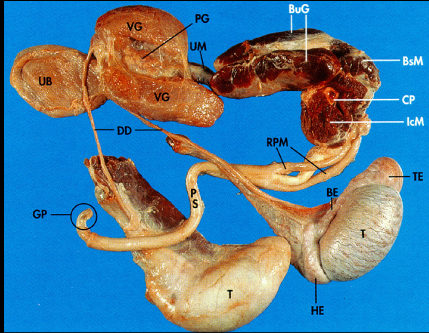


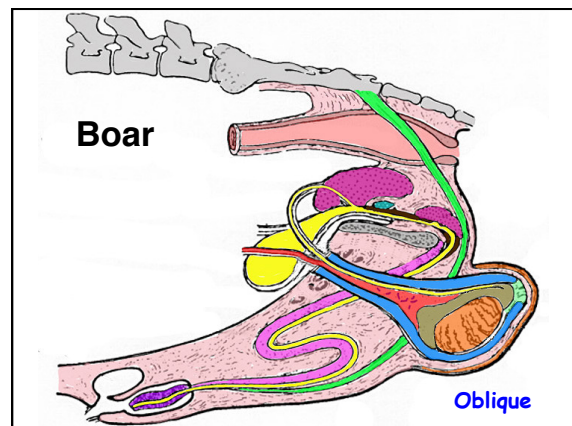
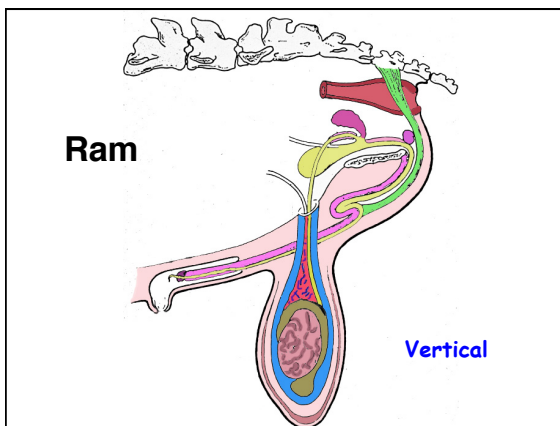
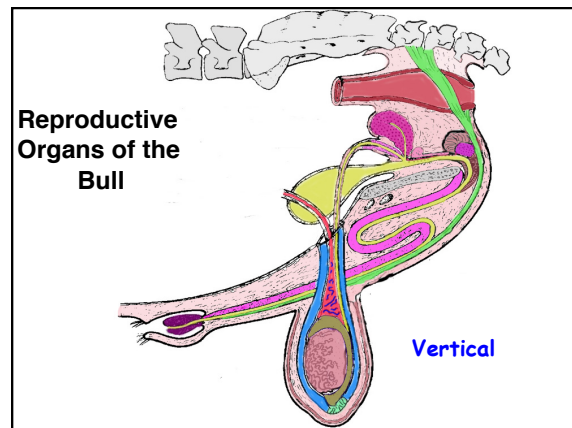
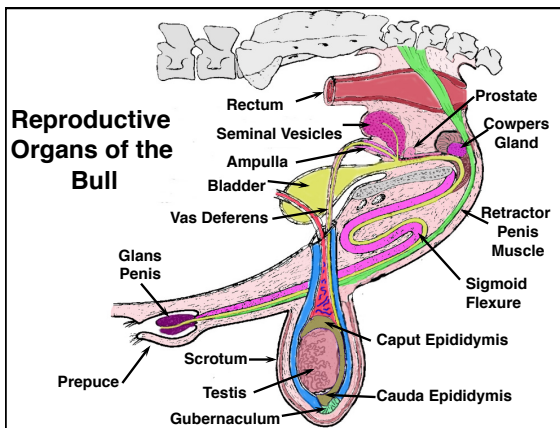
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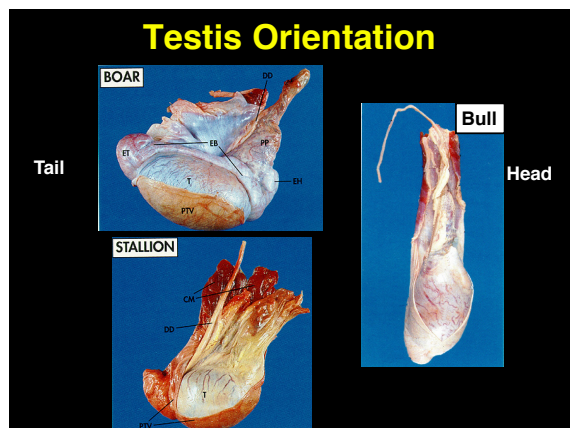
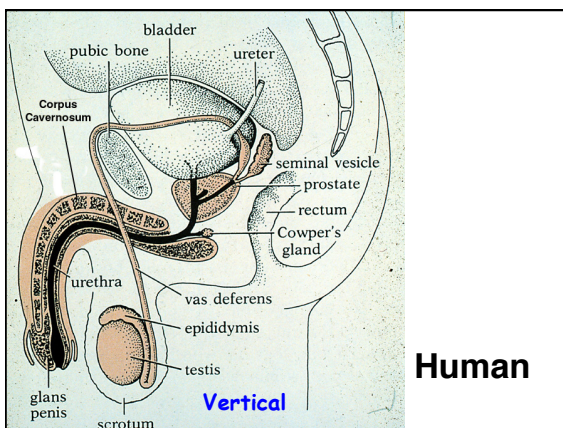
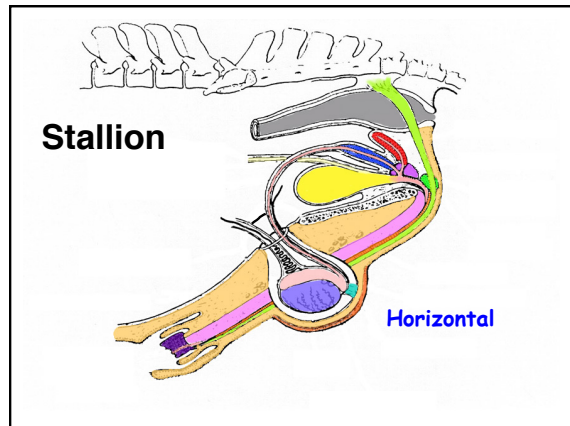
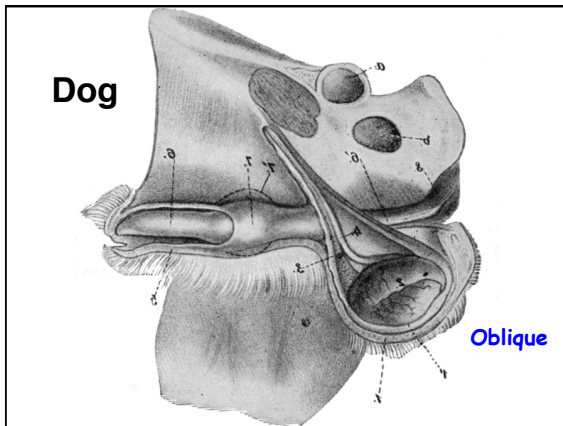
Lec 4: Comparative Male Anatomy



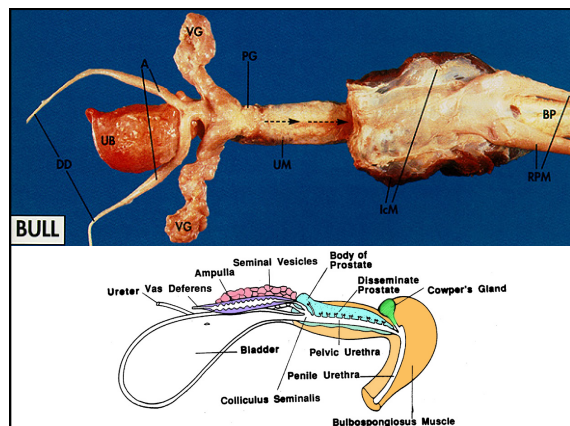
Testis

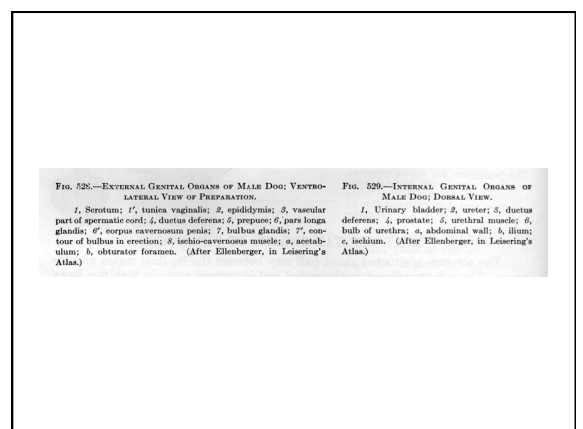
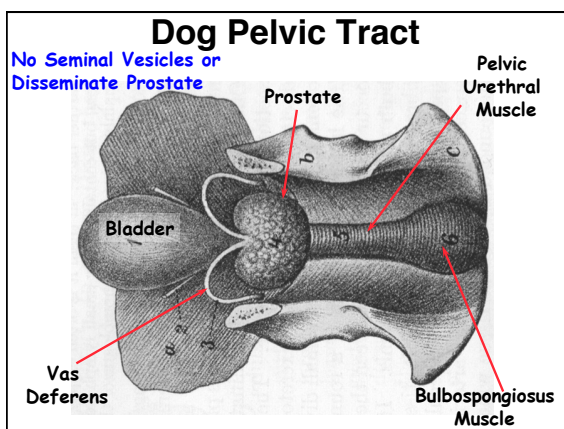
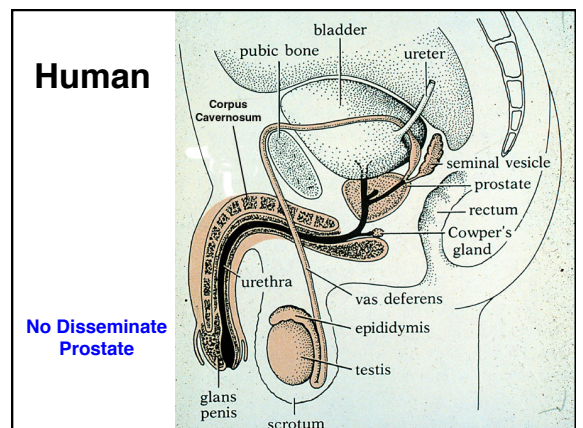
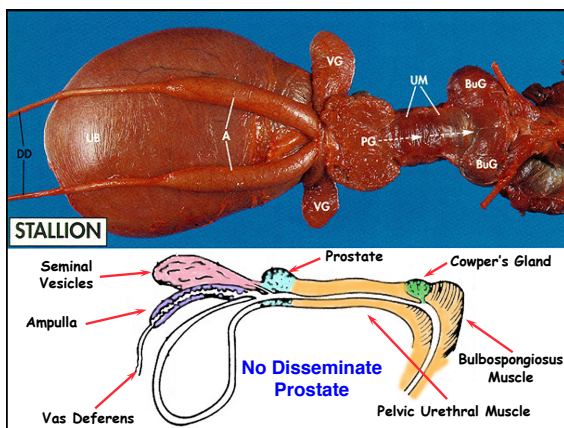
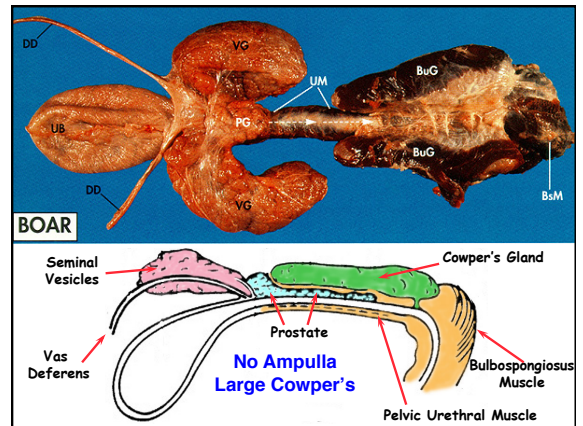
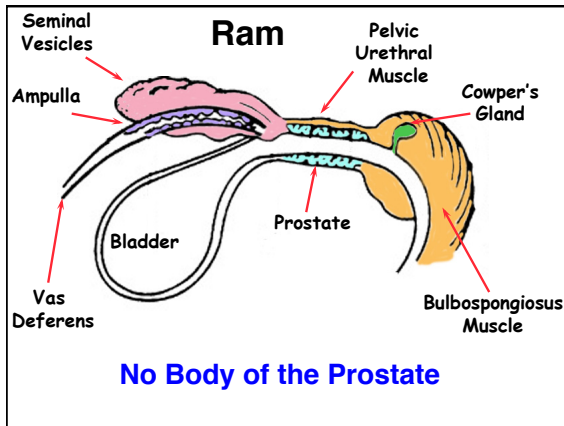
Species	Testis Wt. (grams)	% Of Body Wt.	Orientation
bull	300+	.03	vertical
ram	250	.3	vertical
boar	350	.2	oblique
stallion	200	.03	horizontal
dog	25	.2	oblique
rabbit	2.5	.1	vertical
human	25	.03	vertical



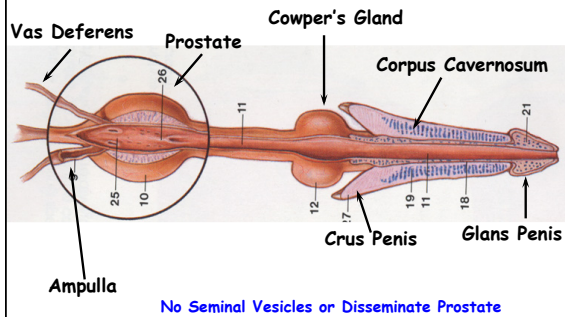


Testis			
Species	Testis Wt. (grams)	% Of Body Wt.	Orientation
bull	300+	.03	vertical
ram	250	.3	vertical
boar	350	.2	oblique
stallion	200	.03	horizontal
dog	25	.2	oblique
rabbit	2.5	.1	vertical
human	25	.03	vertical



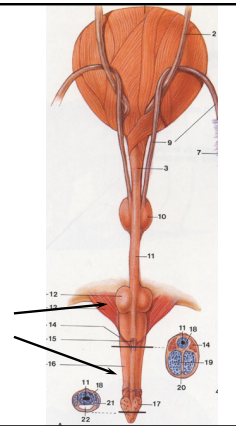


Cat (Tom) Reproductive Tract

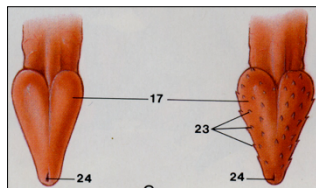


Cat (Tom) Reproductive Tract

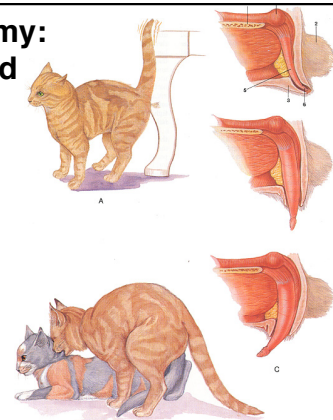
Note how close the cowper's gland is to the penis in the cat.



Cat Glans Penis



Feline Anatomy: Erection and Mating

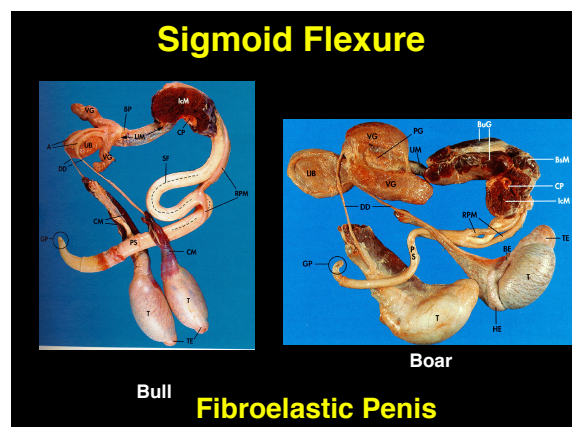
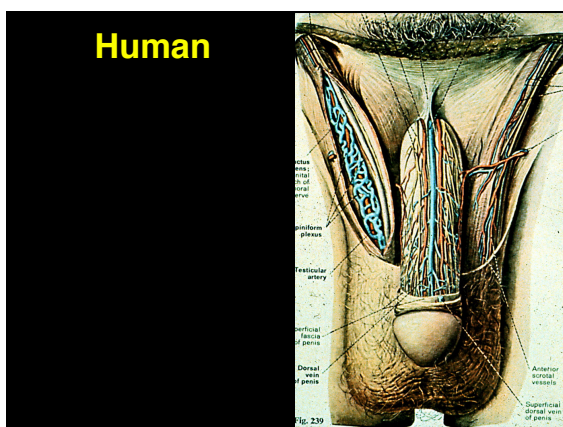
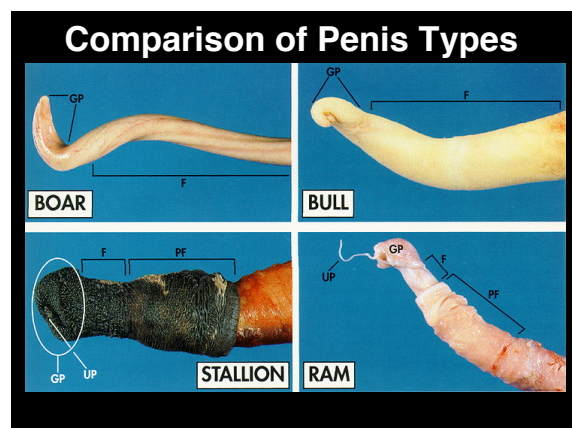
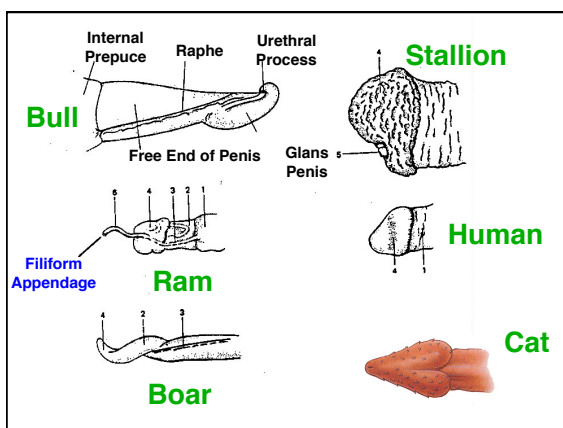
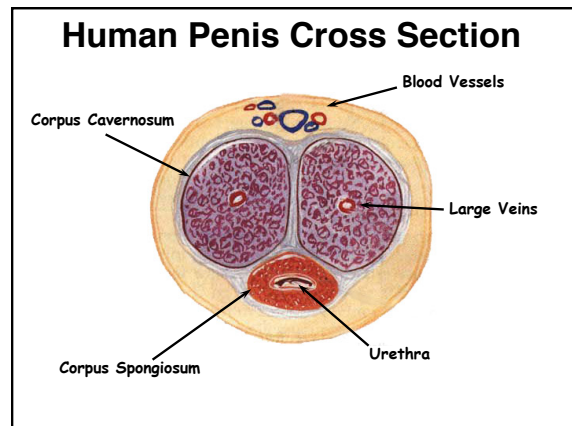
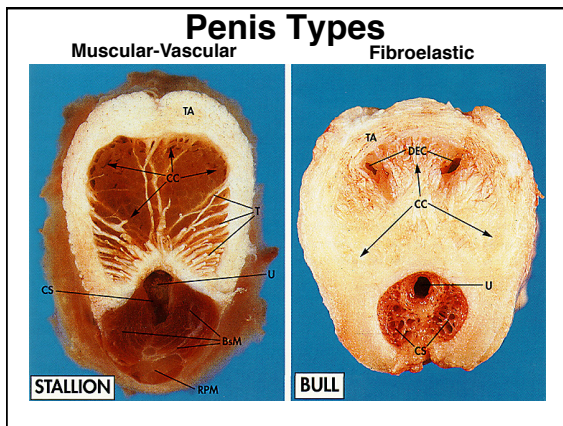


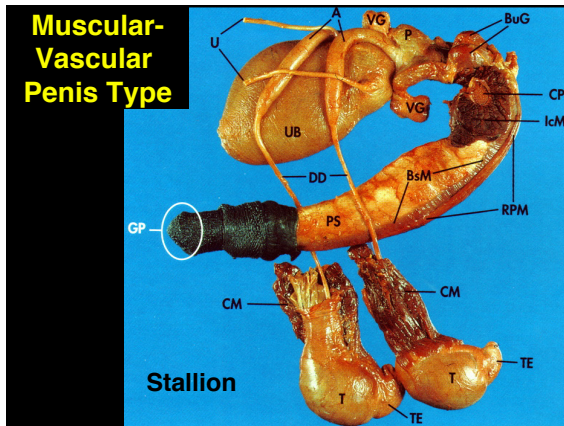
Accessory Glands

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

Accessory Gland Secretions

Species	Seminal Vesicles	Prostate		Cowper's
		Body+	Disseminate	
bull	30	6		
ram	8	6		
boar	30	40		30 Gel
stallion	Gel	30		
dog		70		
human	70 Clot	25	Clot Enzyme	





The Penis				
Species	Sigmoid Flexure	Type	Erectile Tissue	Glans
bull	yes	FE	+	Glans
ram	yes	FE	+	Glans
boar	yes	FE	+	not distinct
stallion	no	MV	+++	Large Glans
dog	no	MV	+++	Large Glans
human	no	MV	+++	Large Glans

Erection and Ejaculation Characteristics					
Species	Speed of Erection	Ejaculate Time	Semen Volume	Sperm Conc.	Sperm Number
bull	rapid	short	medium	medium-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
human	slow	moderate	medium	low	low

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

