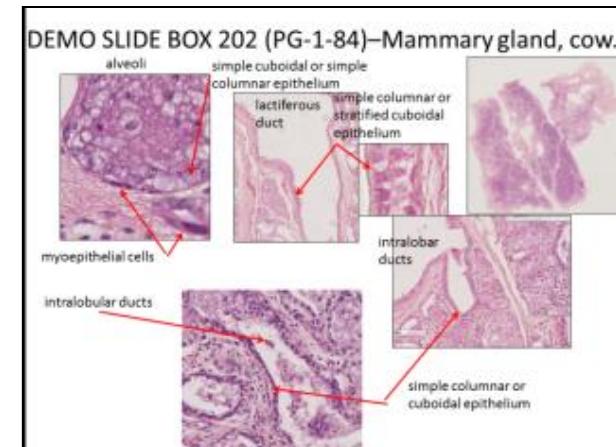
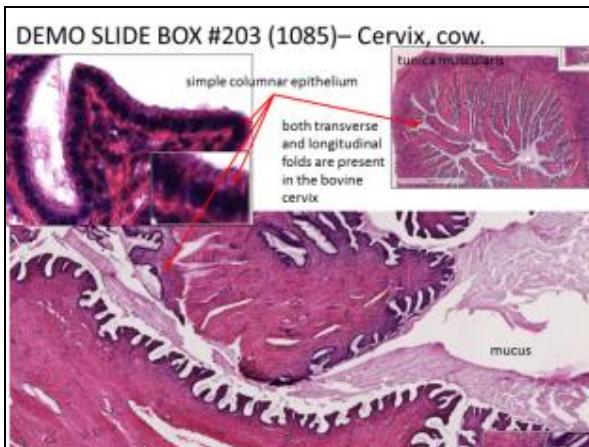
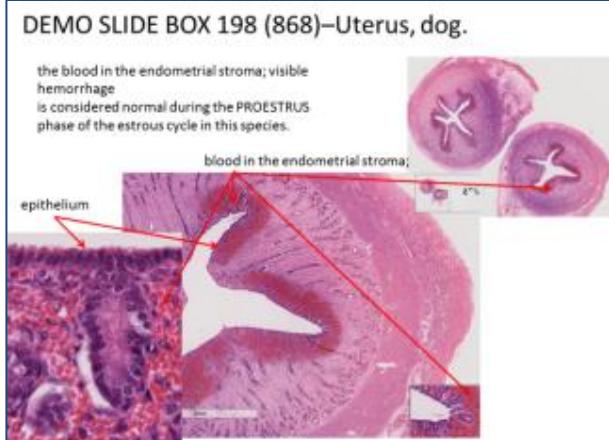
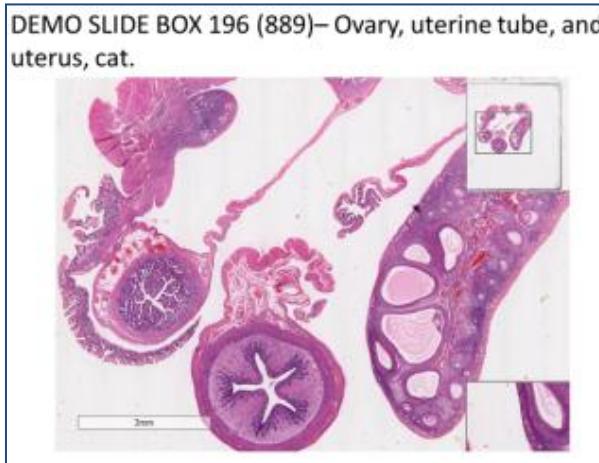
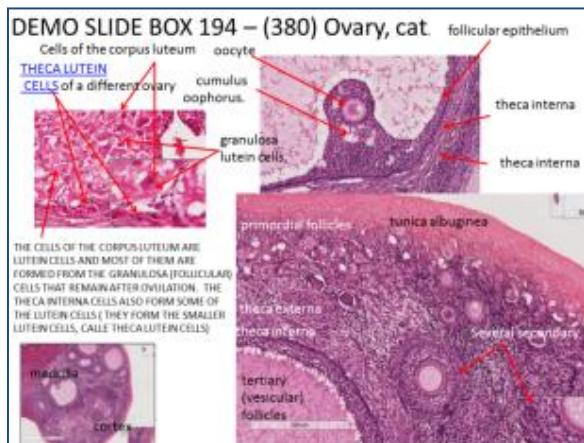
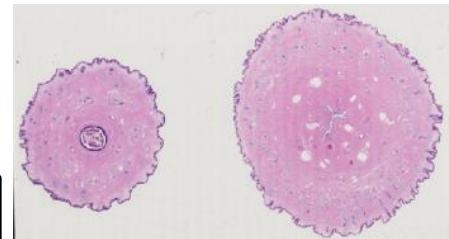
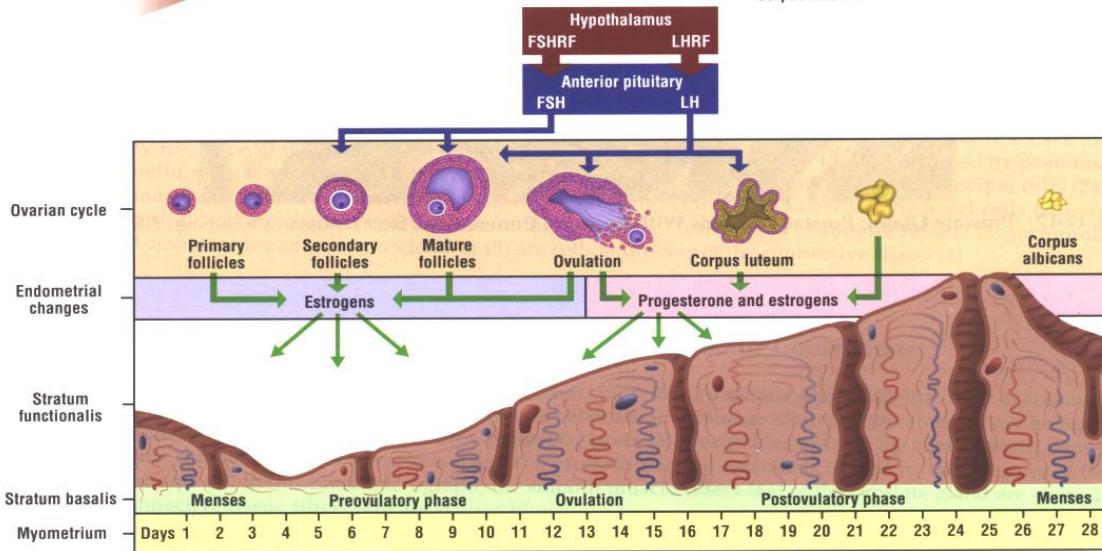
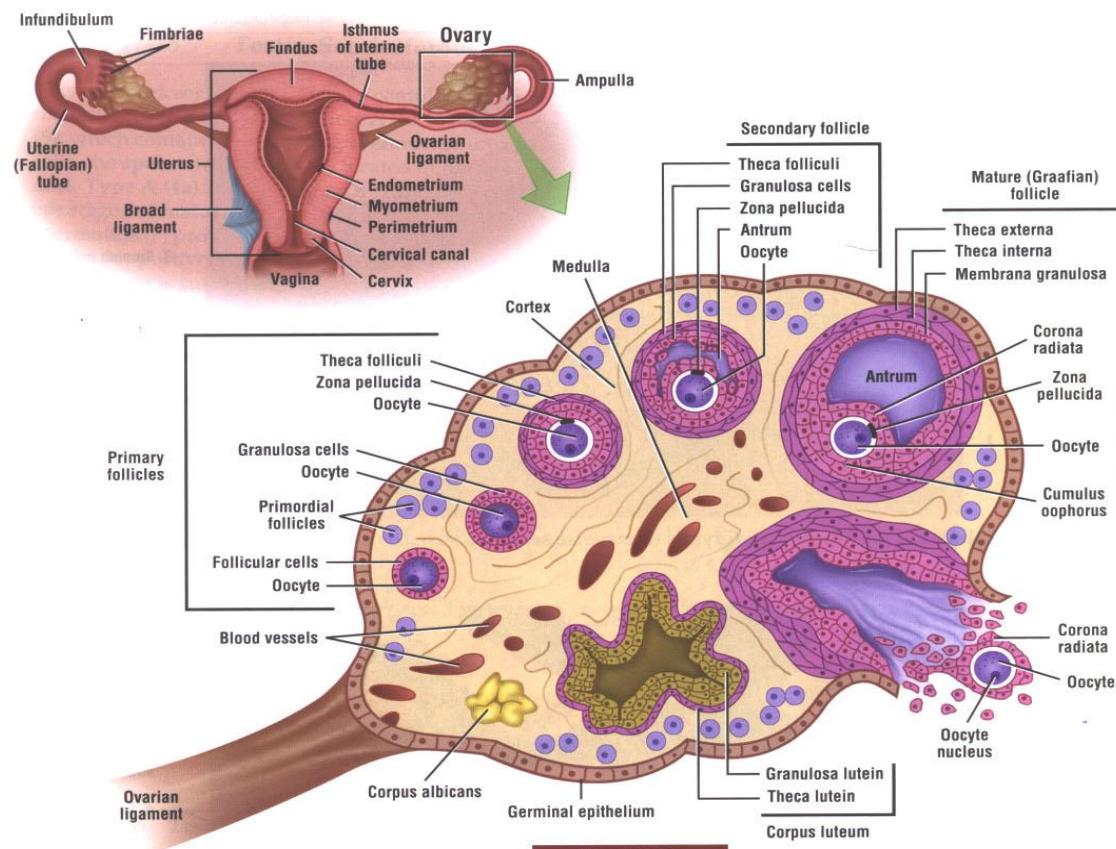
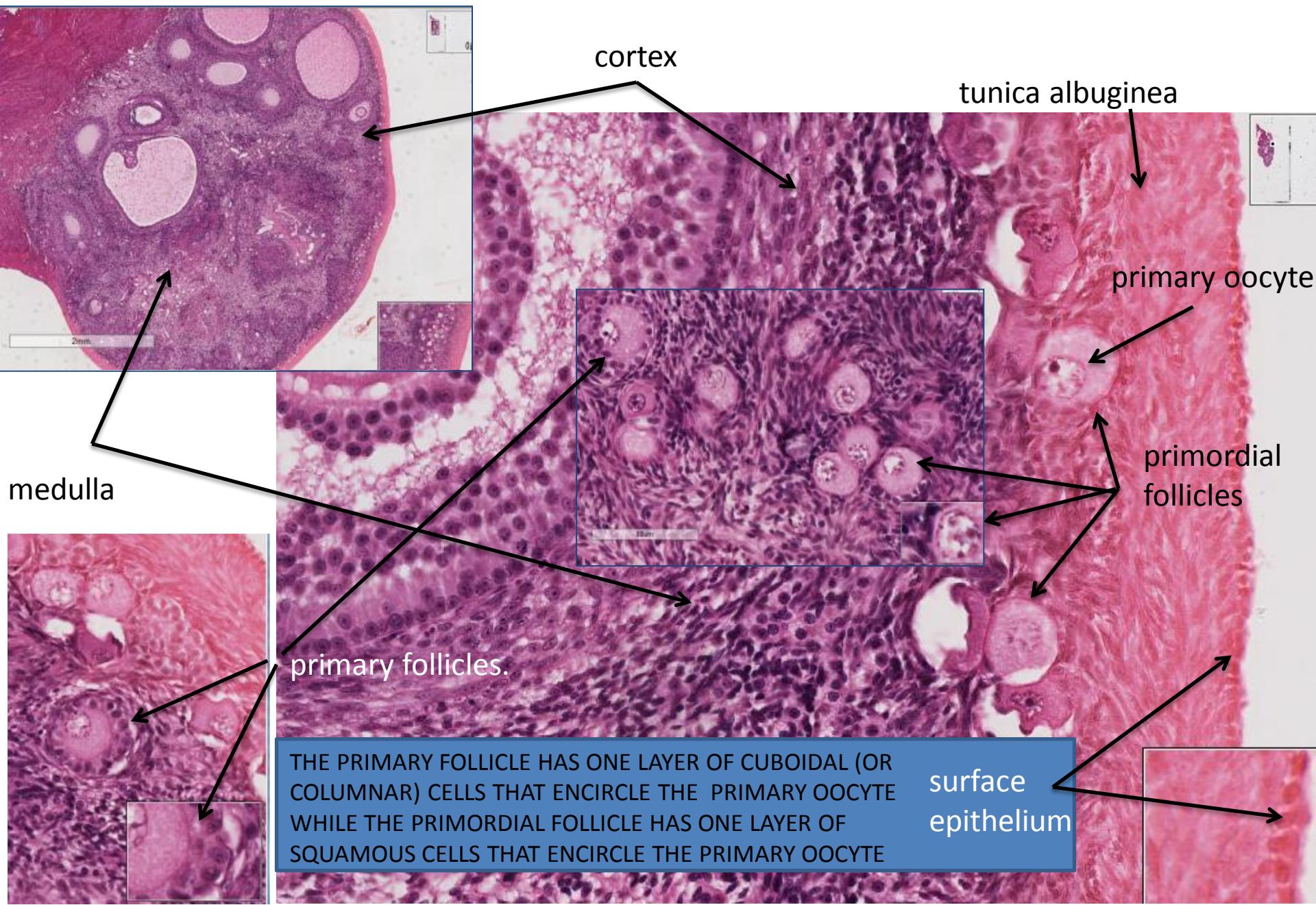


# LABORATORY EXERCISES FOR FEMALE REPRODUCTIVE SYSTEM





# DEMO SLIDE BOX 194– (380) Ovary, cat.

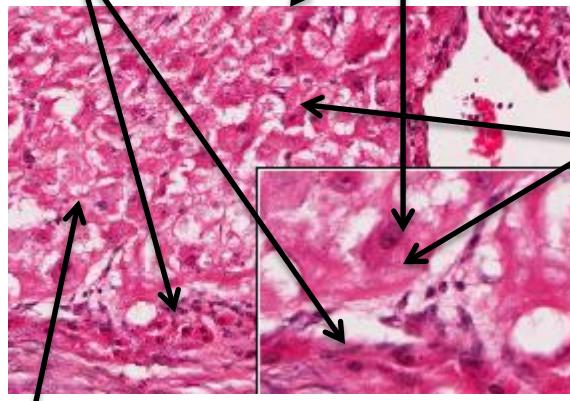


# DEMO SLIDE BOX 194 – (380) Ovary, cat.

Cells of the corpus luteum

THECA LUTEIN

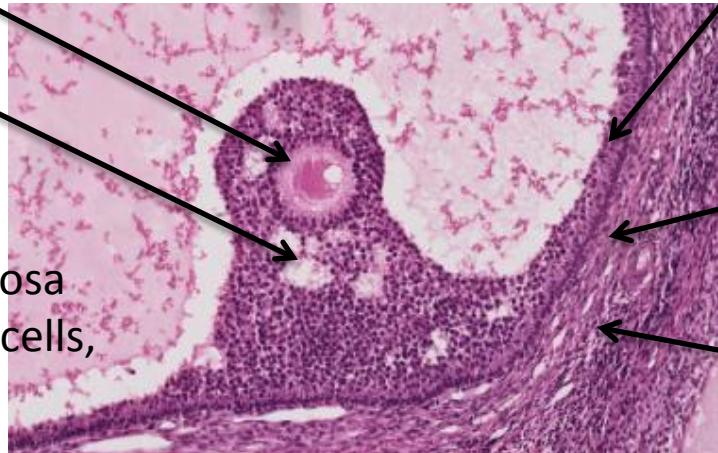
CELLS of a different ovary



oocyte

cumulus oophorus.

granulosa lutein cells,

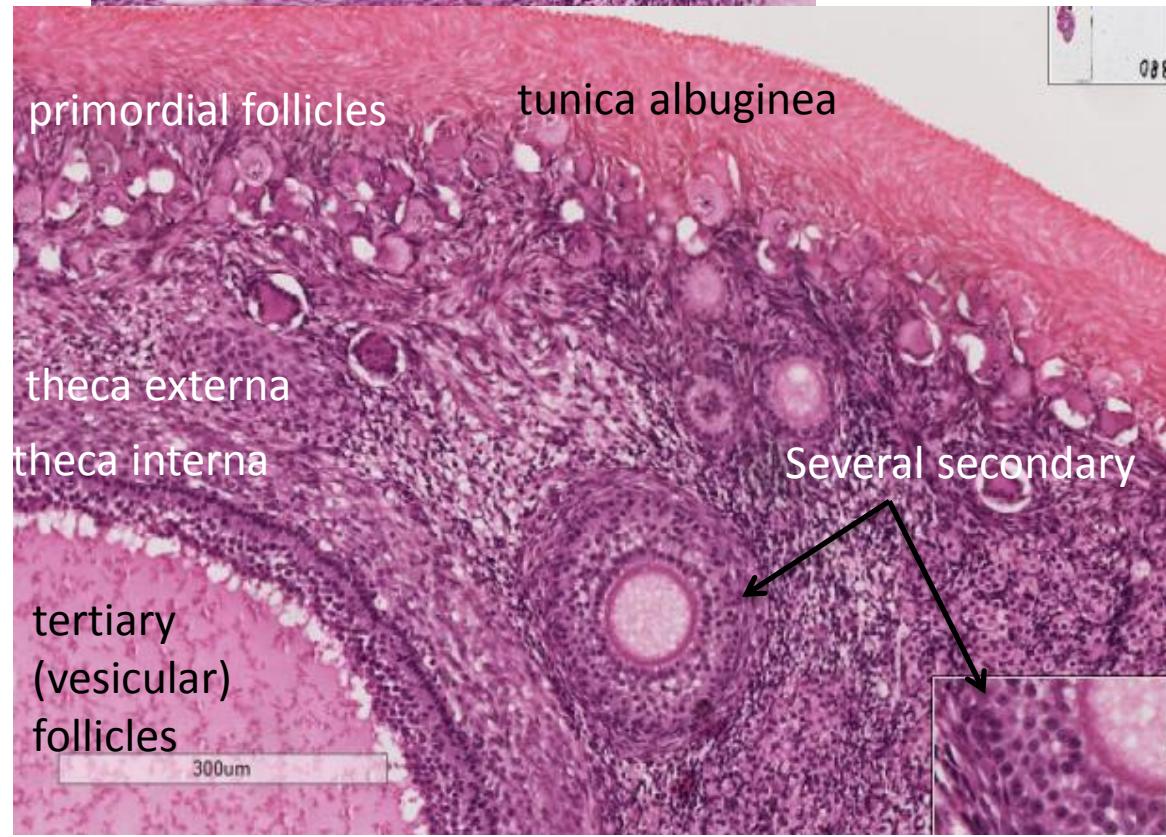
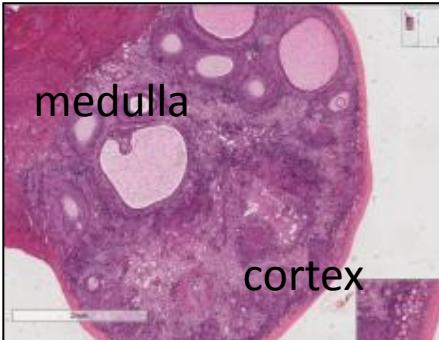


follicular epithelium

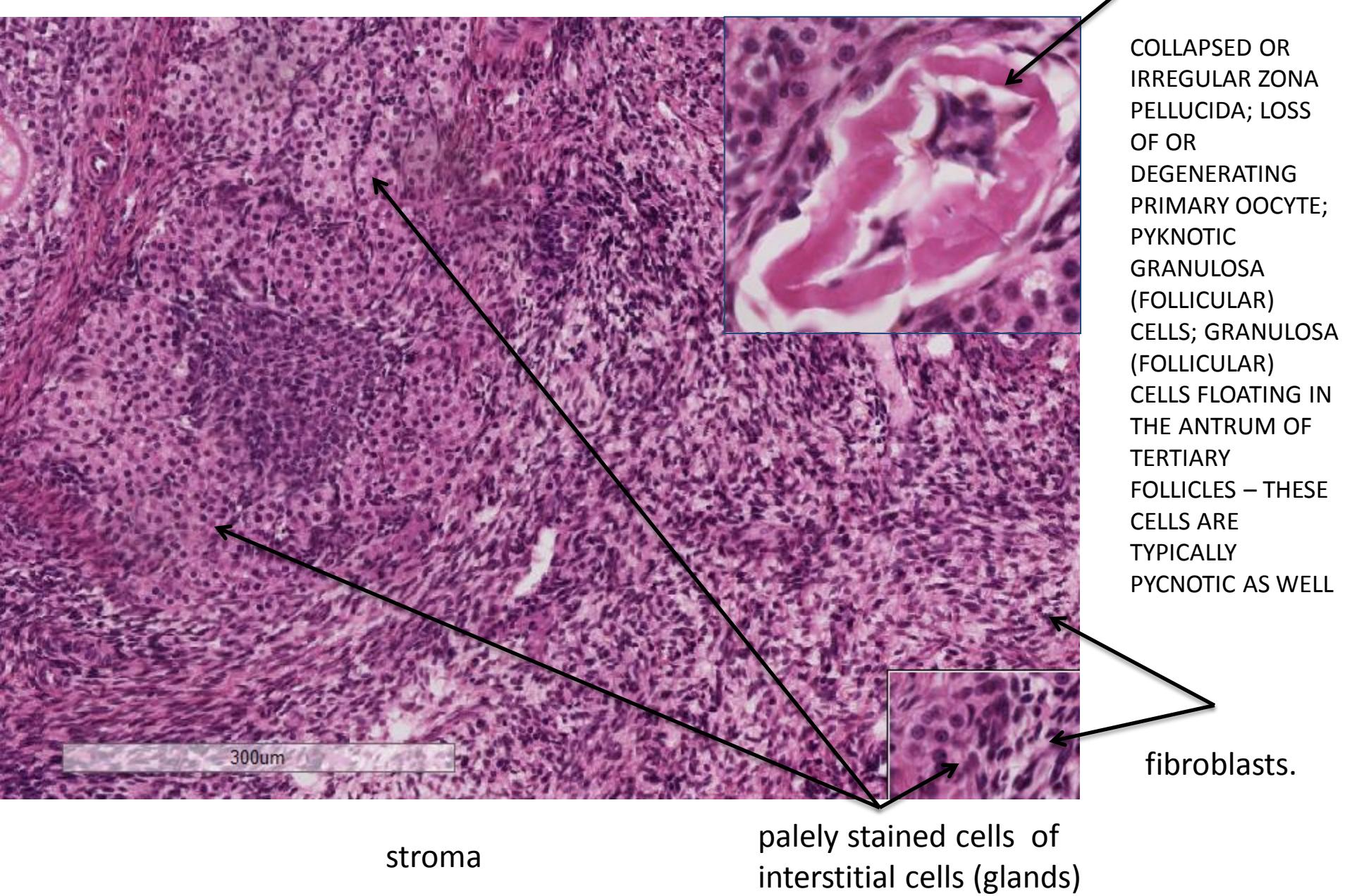
theca interna

theca interna

THE CELLS OF THE CORPUS LUTEUM ARE LUTEIN CELLS AND MOST OF THEM ARE FORMED FROM THE GRANULOSA (FOLLICULAR) CELLS THAT REMAIN AFTER OVULATION. THE THECA INTERNA CELLS ALSO FORM SOME OF THE LUTEIN CELLS ( THEY FORM THE SMALLER LUTEIN CELLS, CALLED THECA LUTEIN CELLS)



# DEMO SLIDE BOX 194– (380) Ovary, cat



# Slide #138 (SP-1-95). Ovary, ewe.

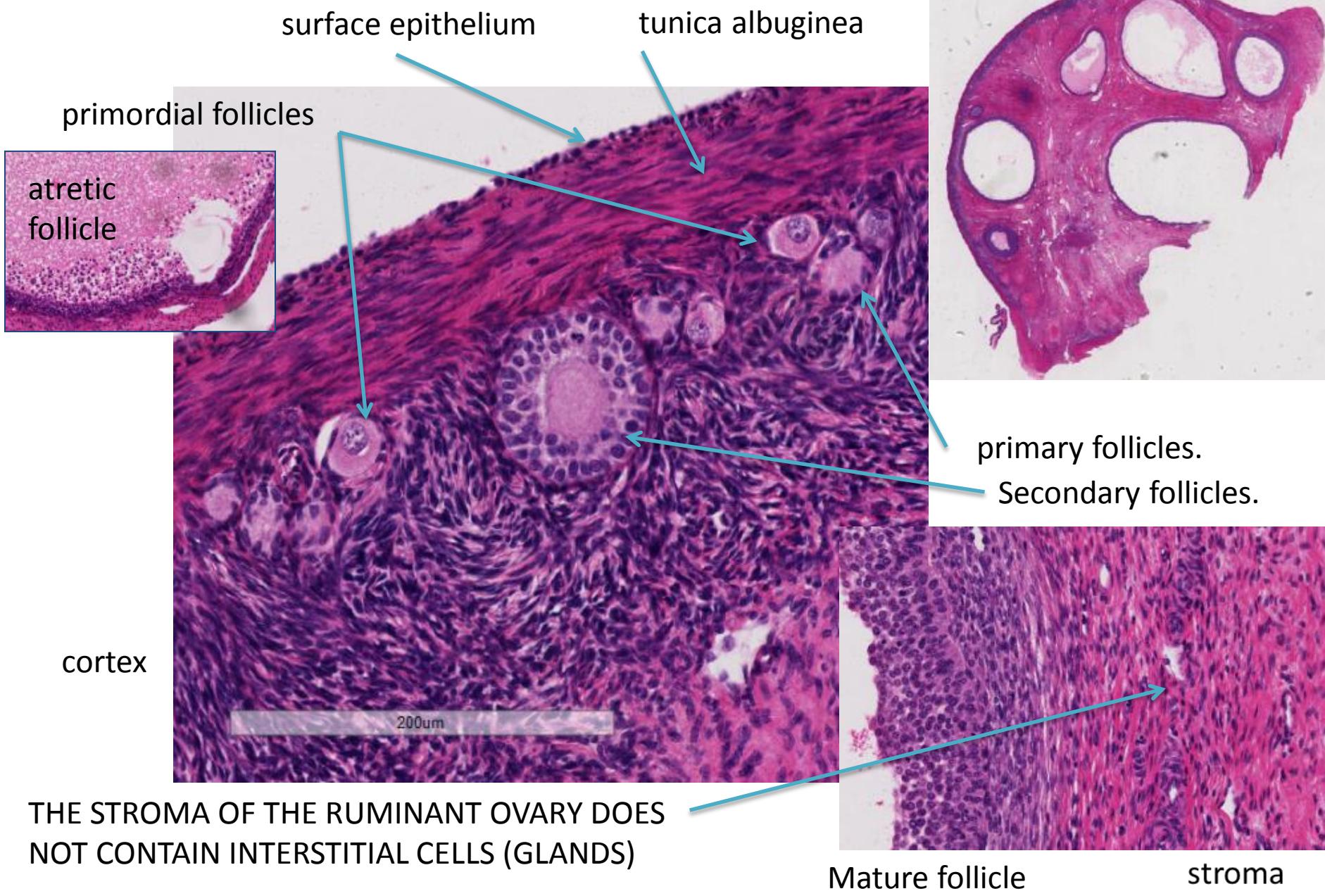




Fig. 18-5 Corpus Luteum (panoramic view). Stain: hematoxylin-eosin. Medium magnification.

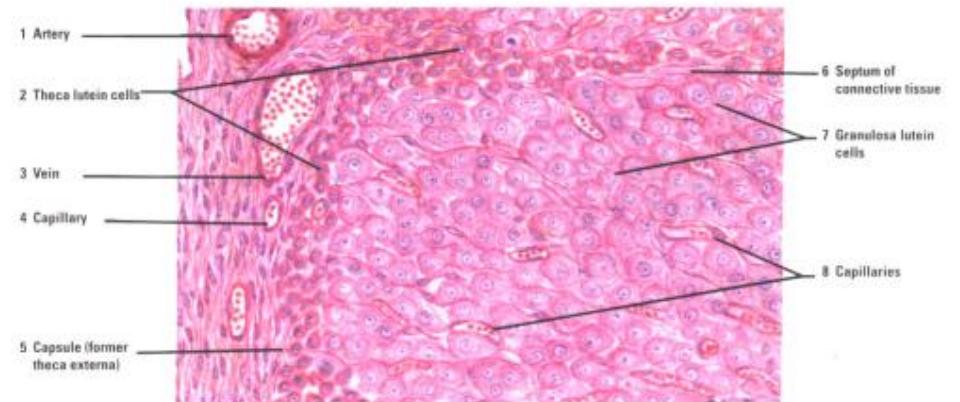
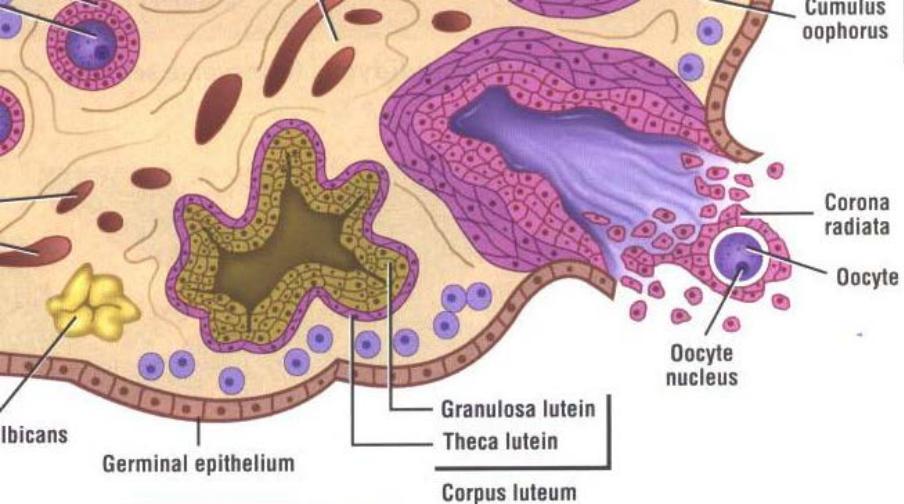


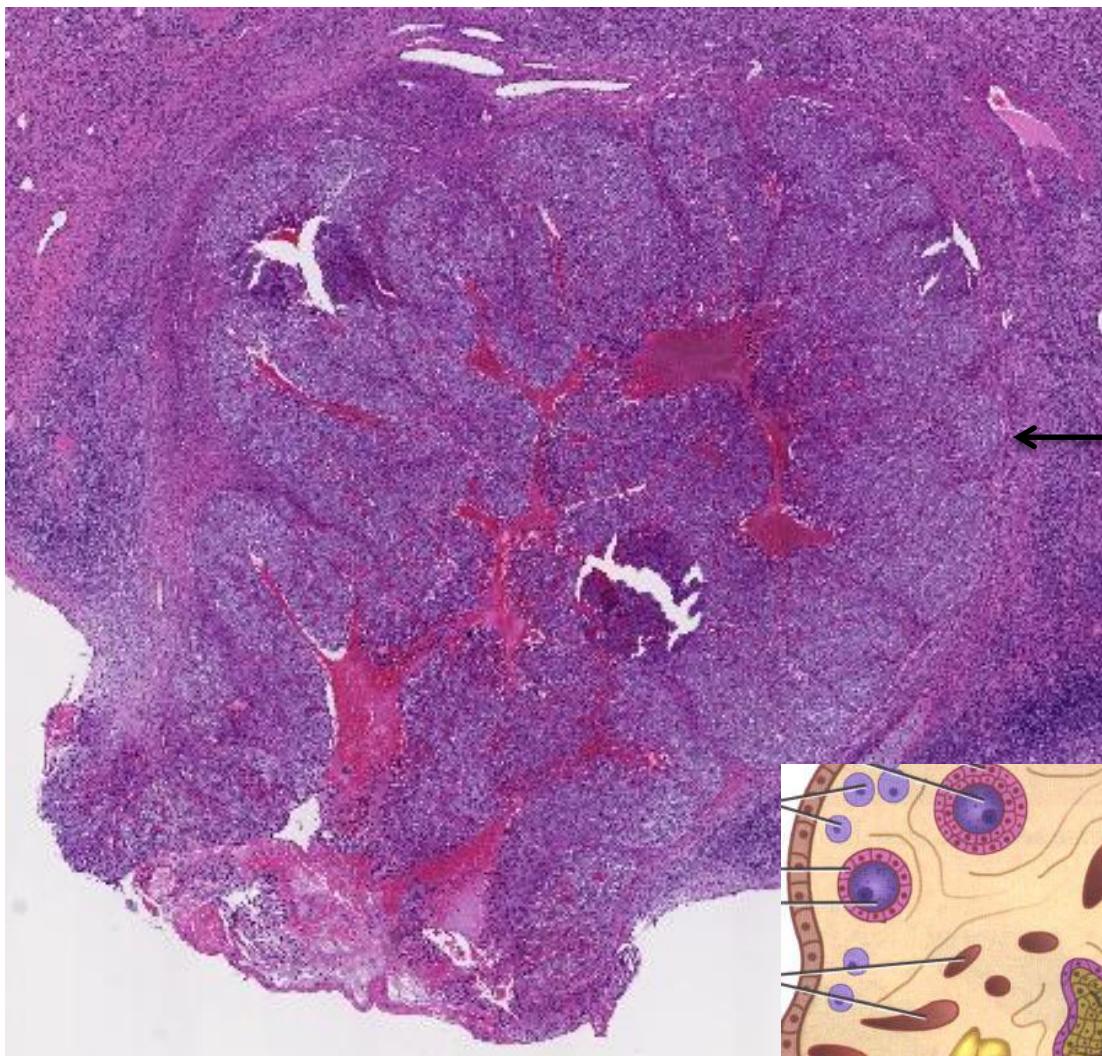
Fig. 18-6 Corpus Luteum: Peripheral Wall. Stain: hematoxylin-eosin. High magnification.



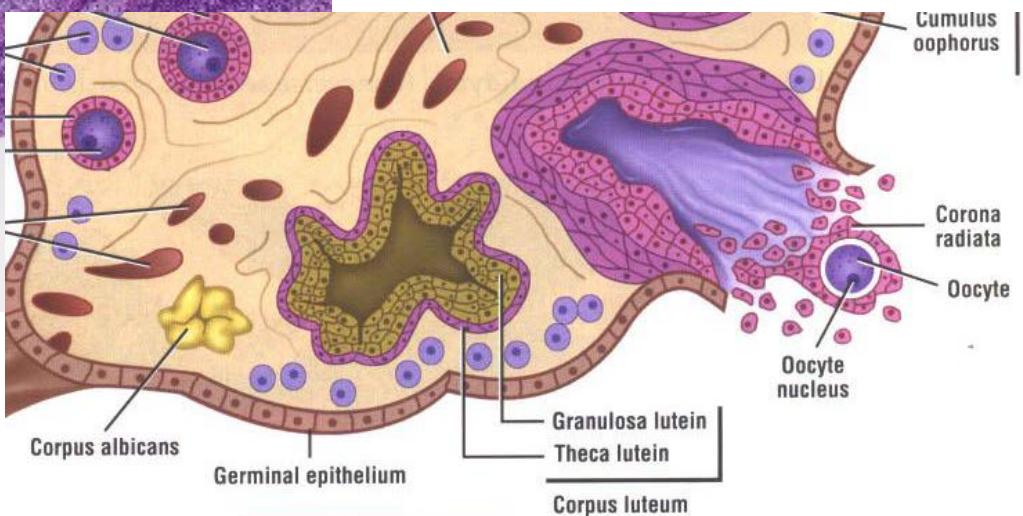
## Ovary, corpus luteum

1. Granulosa lutein
2. Theca lutein
3. Central clot

# DEMO SLIDE BOX 195 (958)–Ovary, ewe.

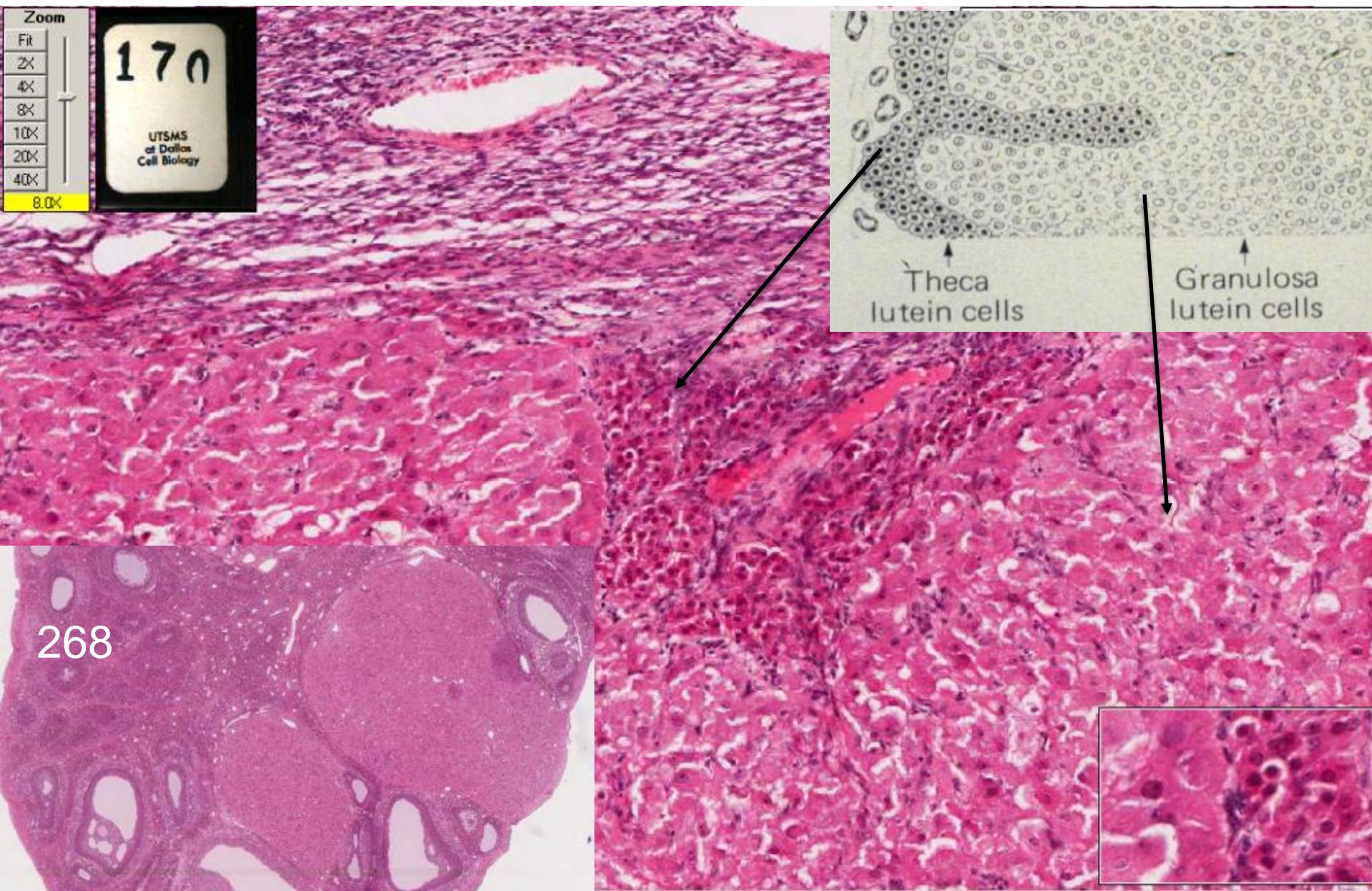


CORPUS HEMORRHAGICUM

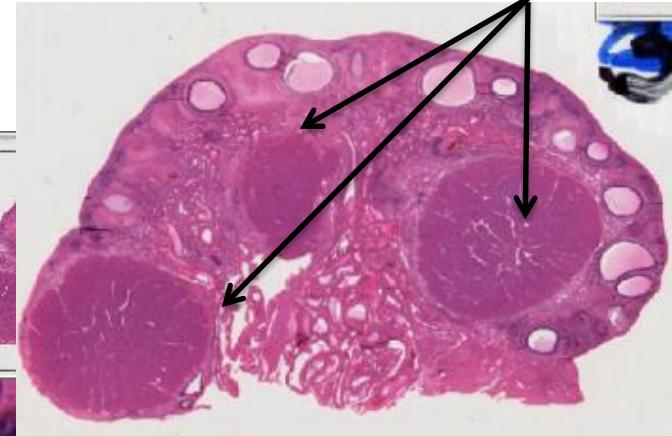
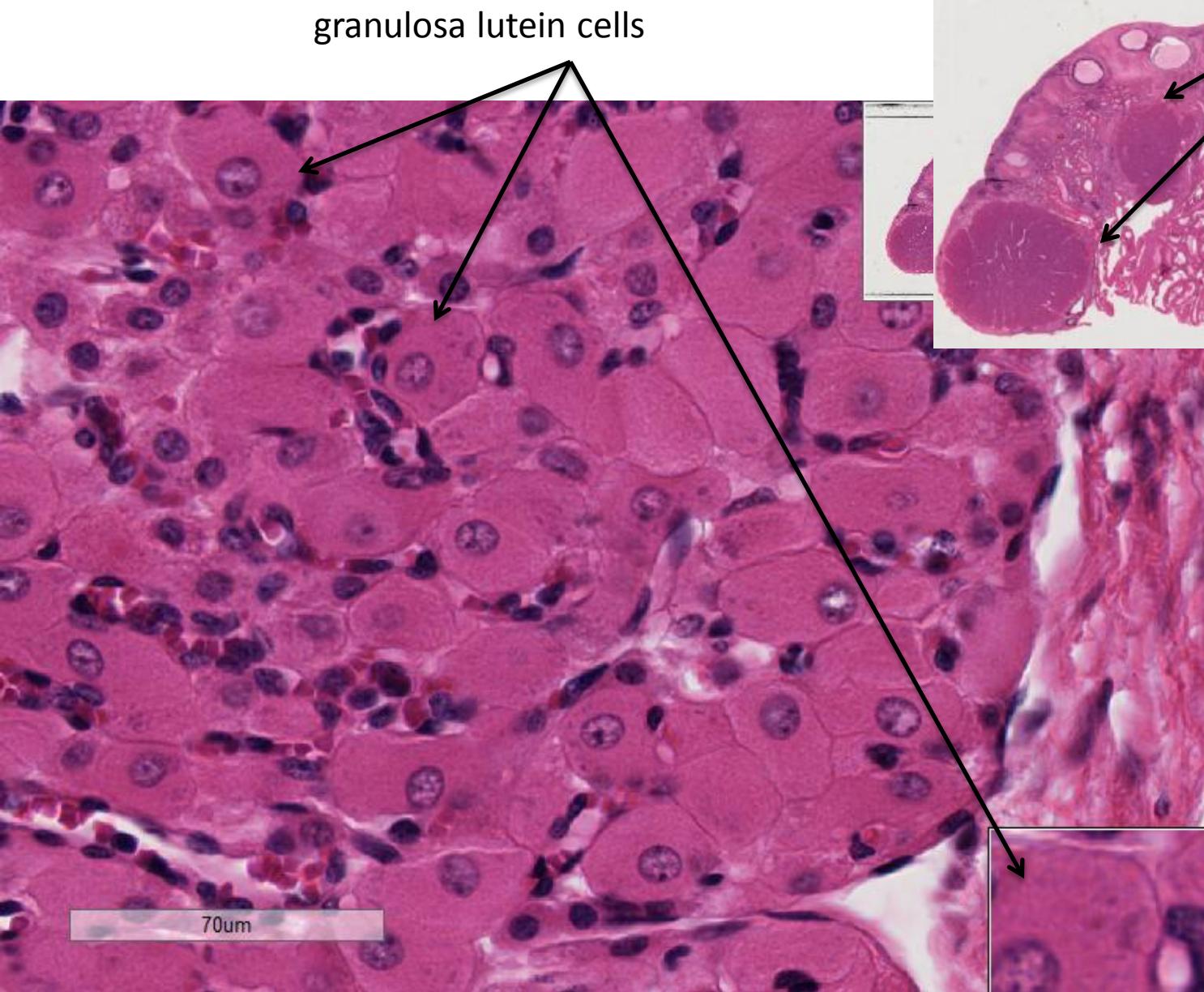


170

# Corpus luteum of ovary

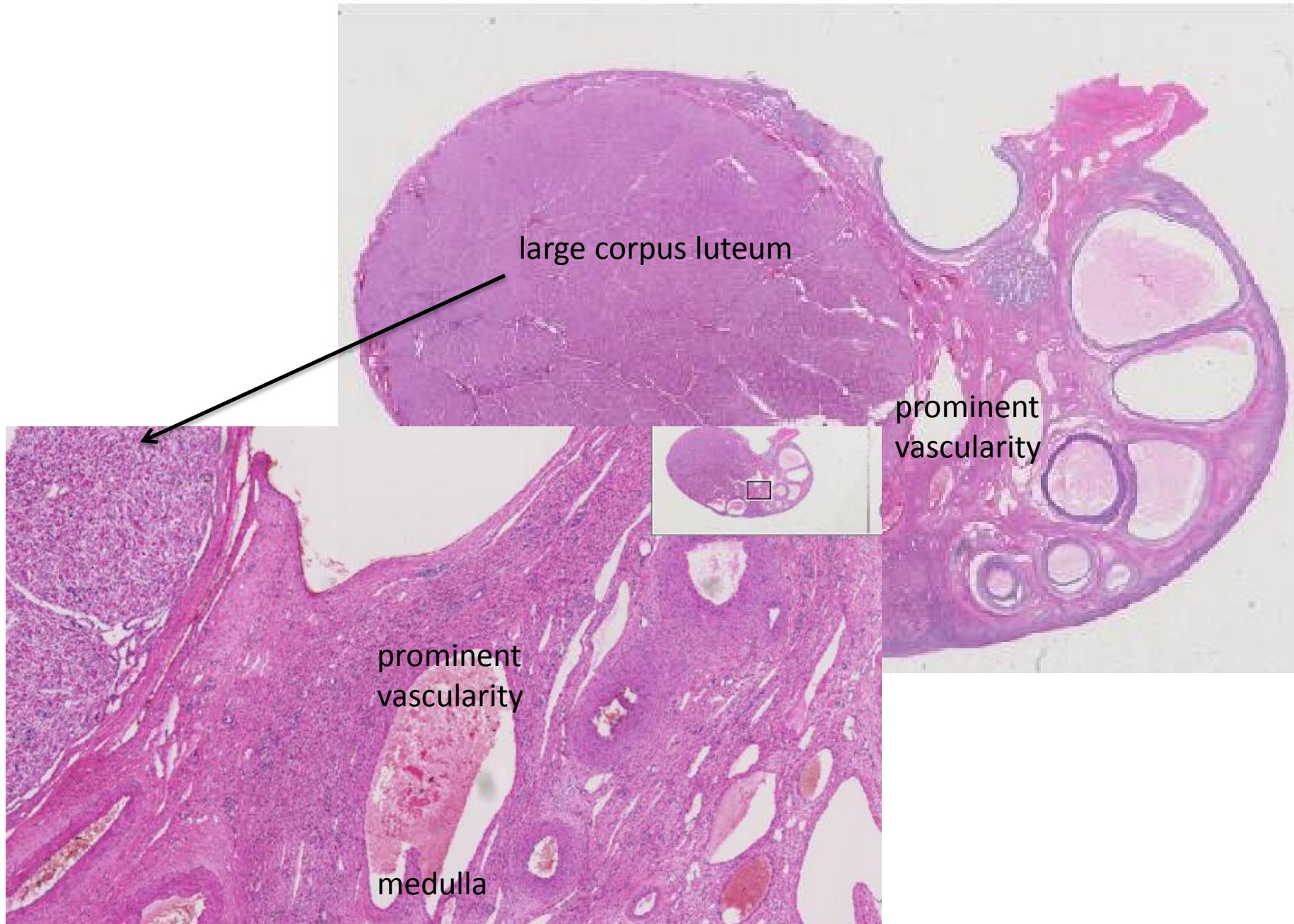


# DEMO SLIDE BOX 86 - Ovary, sow.



primary  
hormone  
produced by  
this structure is  
PROGESTERONE

# Slide #150 (BV-1-96A). Ovary, cow.

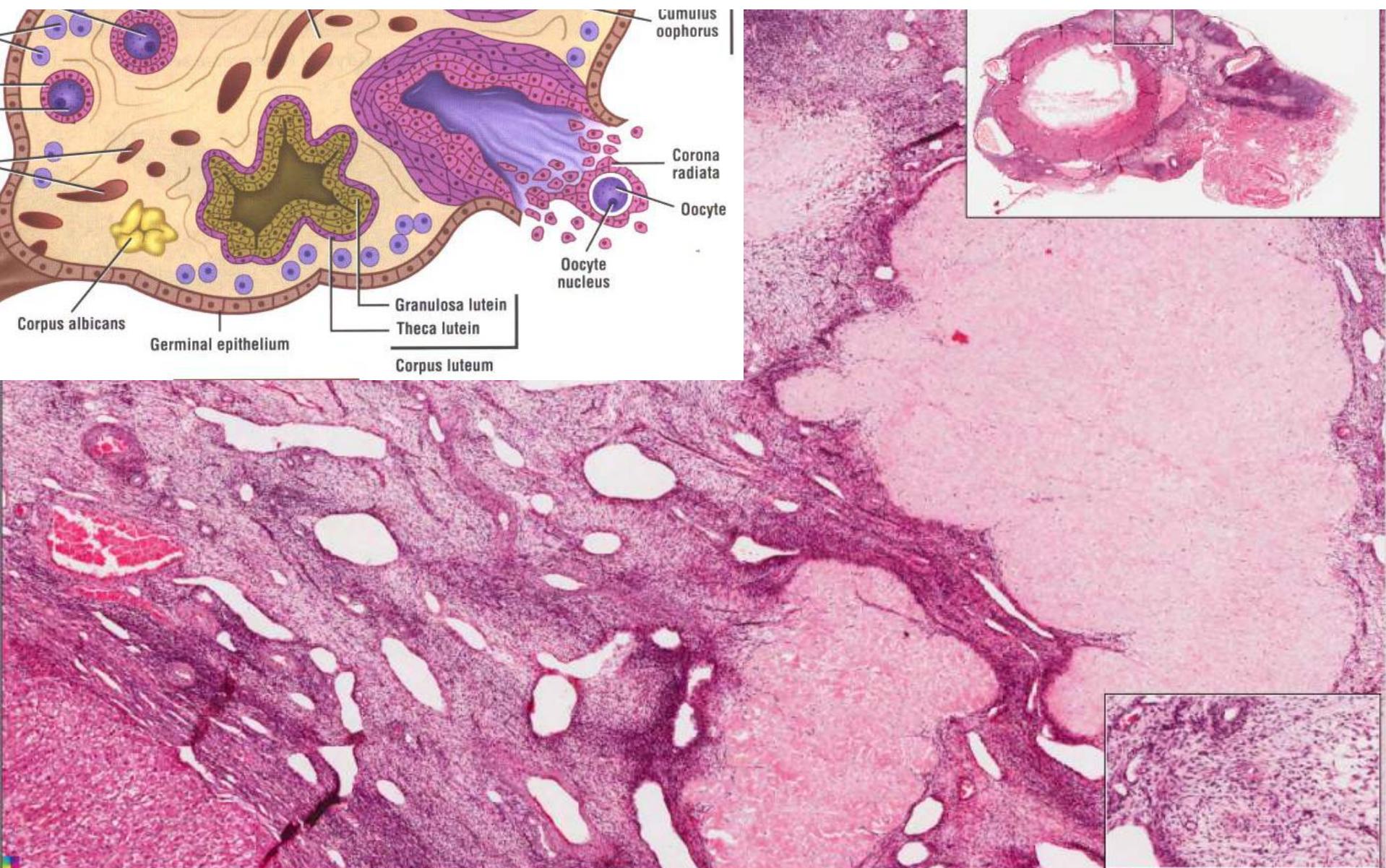


## DEMO SLIDE BOX 87 – Demo slide 87. Ovary, cat.

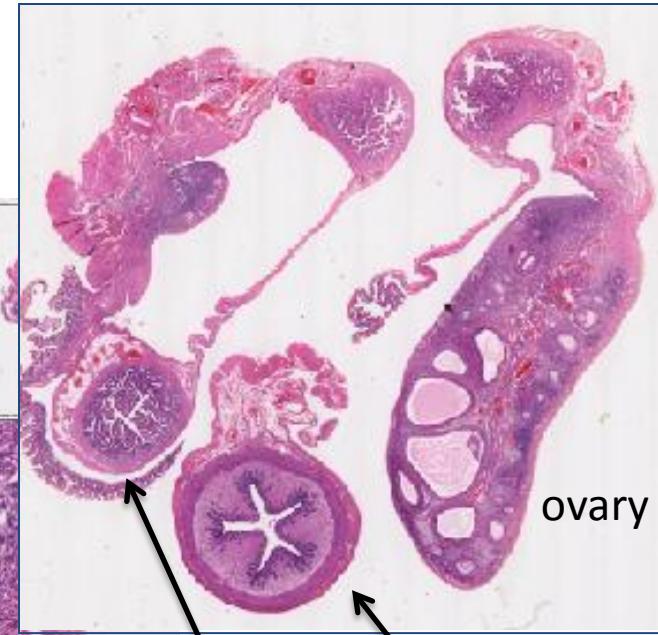


large corpus luteum

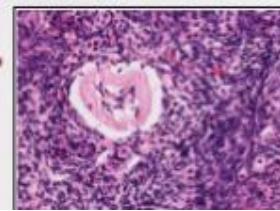
# Corpus luteum and corpus albicans of ovary



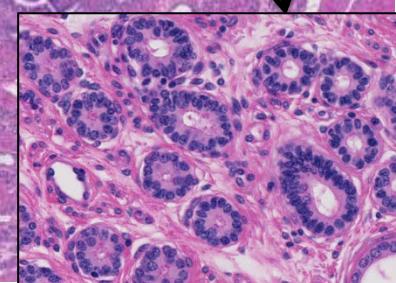
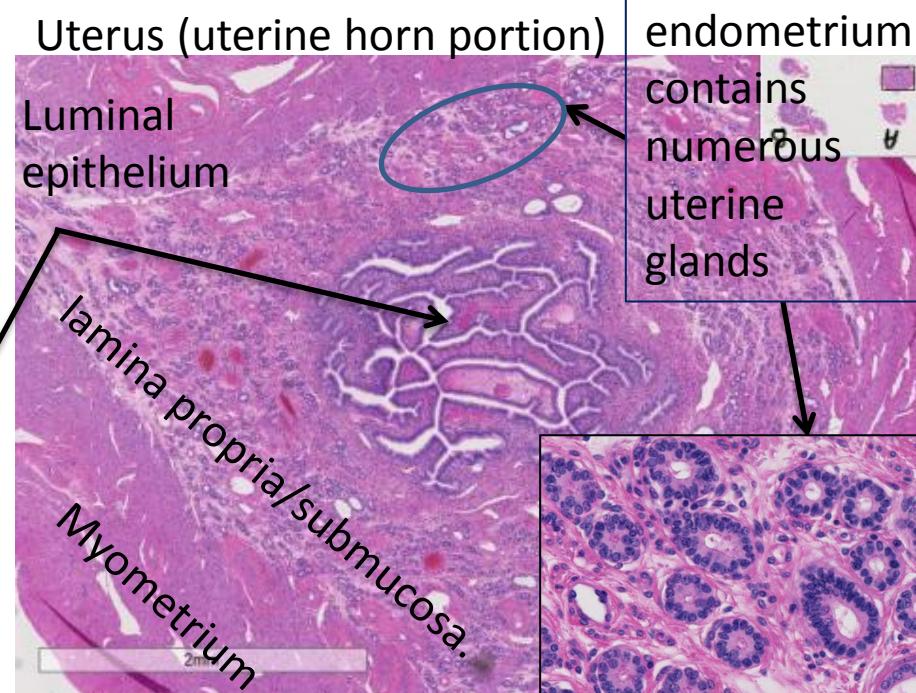
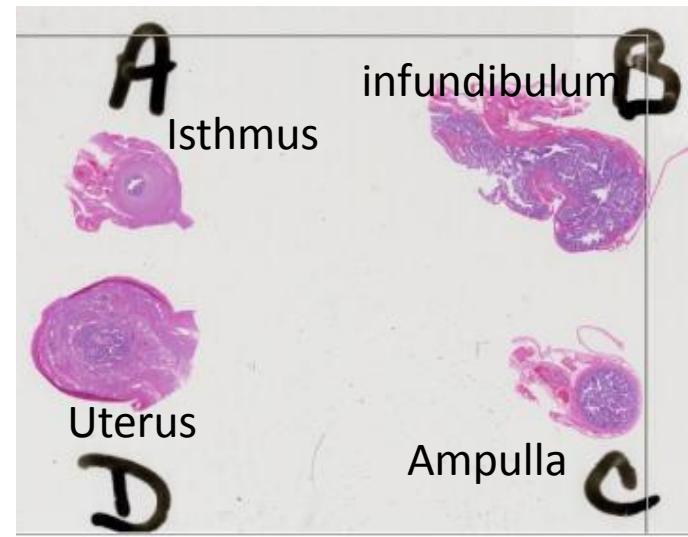
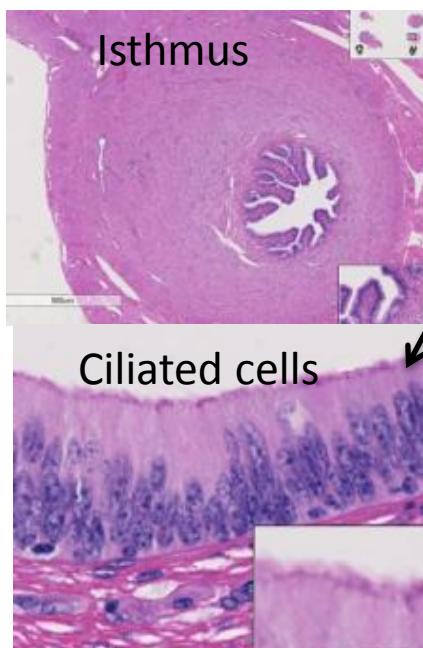
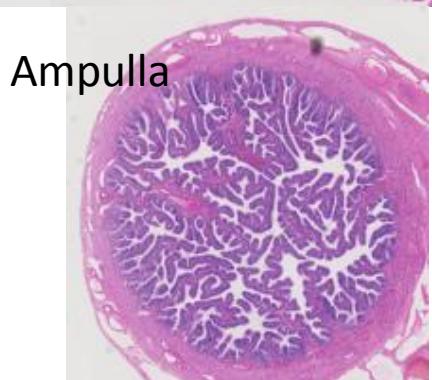
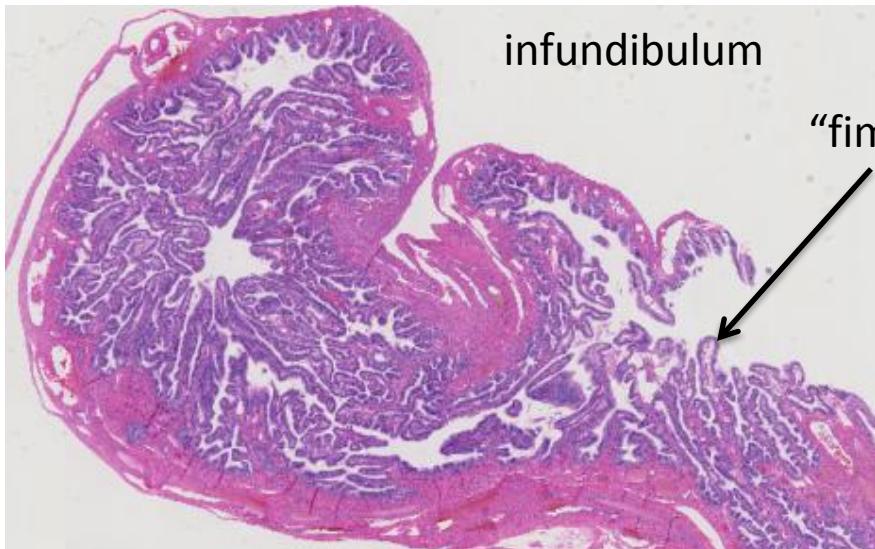
# DEMO SLIDE BOX 196 -- Ovary, uterine tube, and uterus, cat. (889).



← Ovary, uterine tube, and uterus



# Slide #178 (Pf7-131 b&c). Uterine tube, uterus, pig.



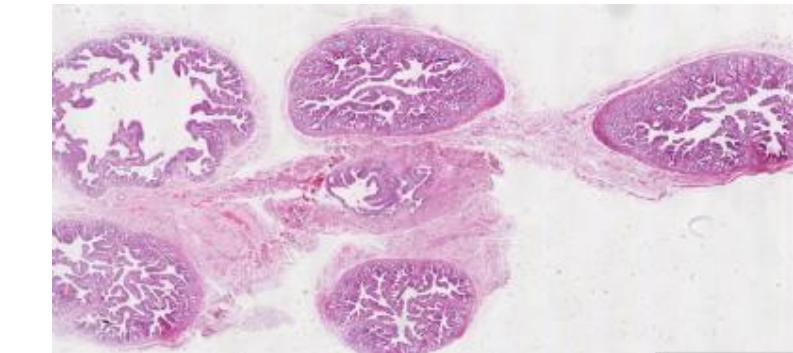
# Slide #155 (957). Uterine tube, ewe.



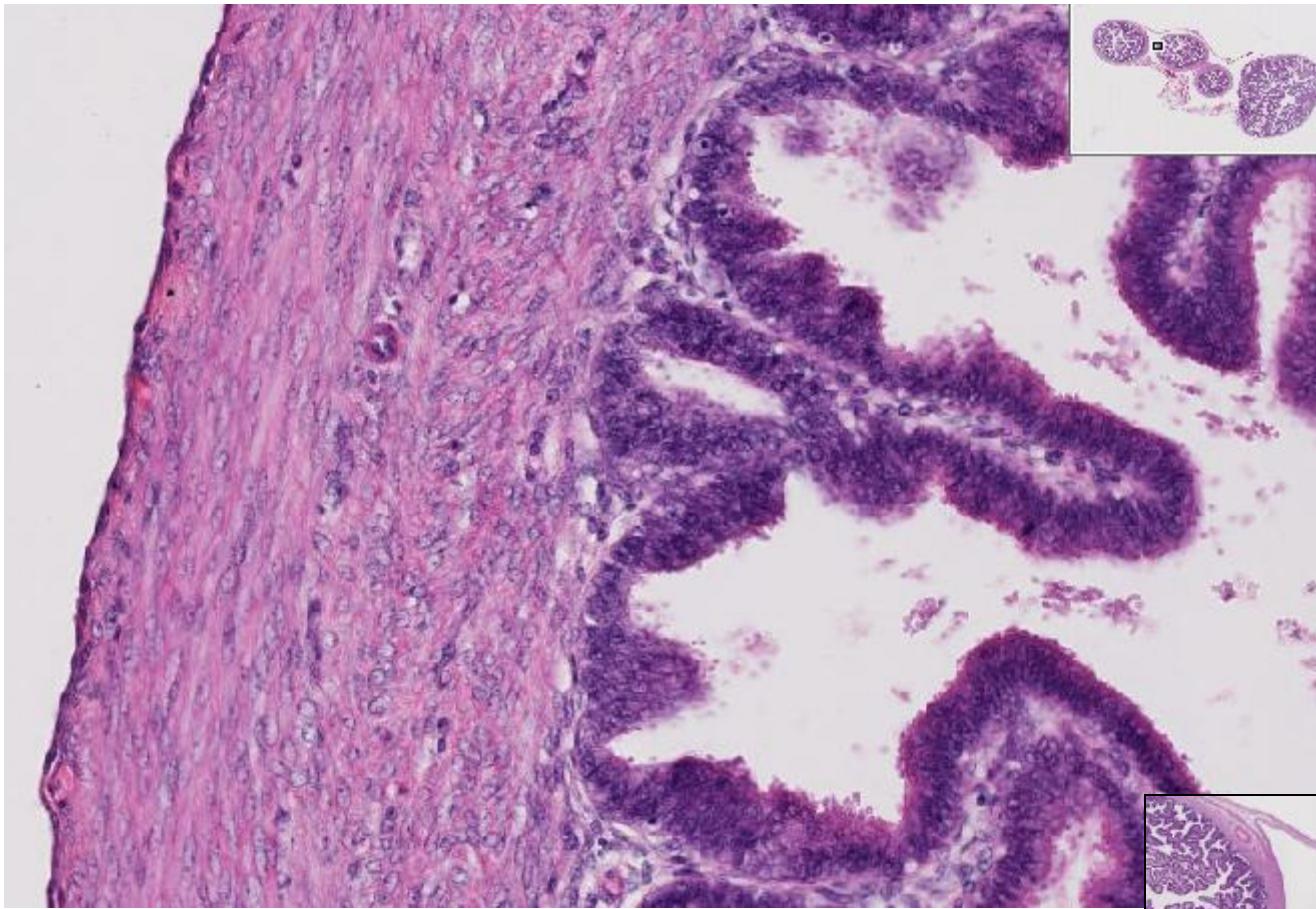
PSEUDOSTRATIFIED COLUMNAR [EPITHELIUM]  
WITH CILIA

lamina propria/submucosa—aglandular,

THE ISTMUS HAS A MUCH THICKER TUNICA  
MUSCULARIS AND THE MUCOSA IS MUCH LESS  
FOLDED OR COMPLEX, WHILE THE AMPULLA HAS A  
THINNER TUNICA MUSCULARIS AND A MUCH MORE  
COMPLEX OR FOLDED MUCOSA



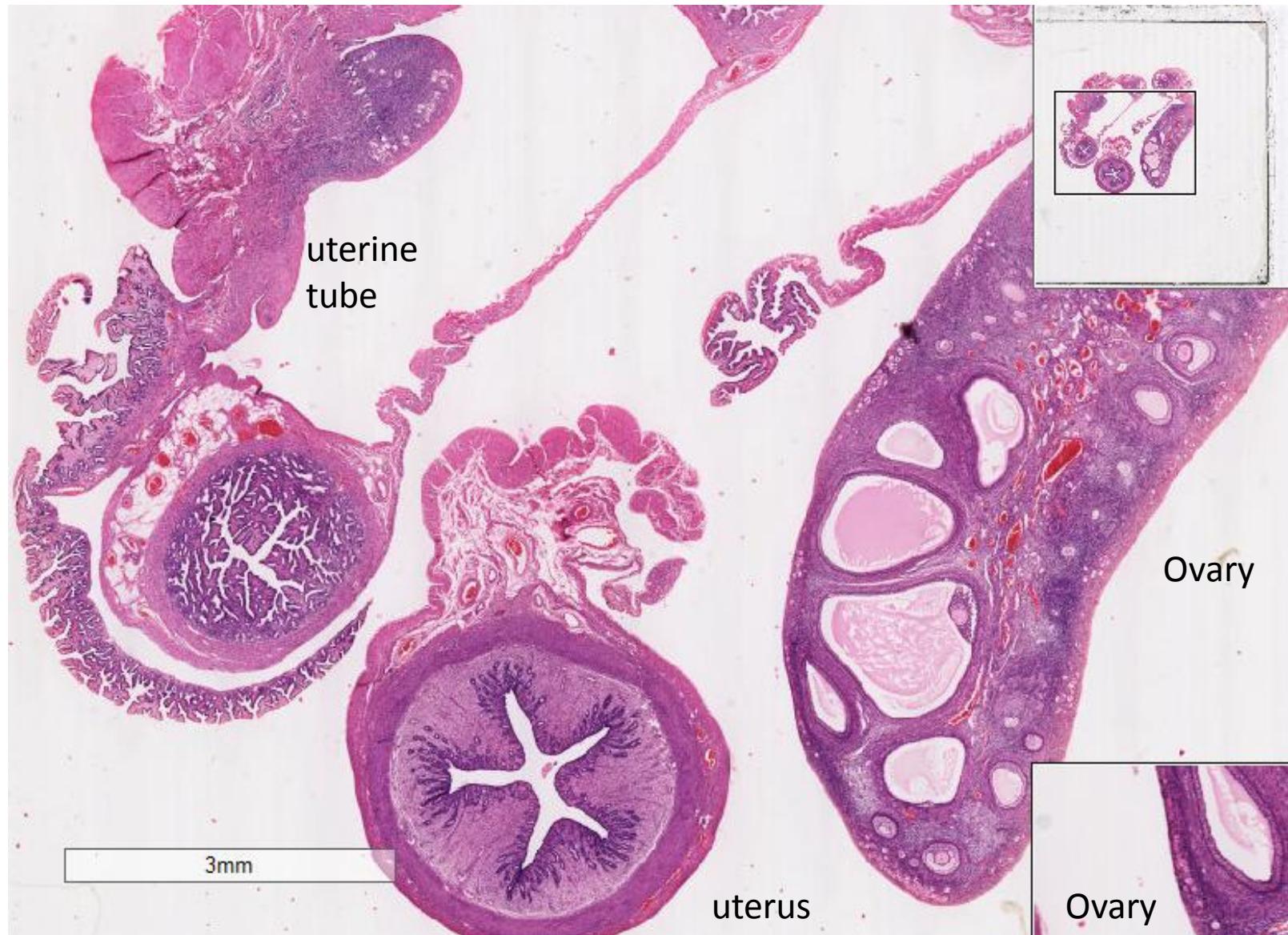
# DEMO SLIDE BOX 197 (972) –Uterine tube, sow.



What is the name of the portion of the broad ligament that suspends the uterine tube?  
**MESOSALPINX**

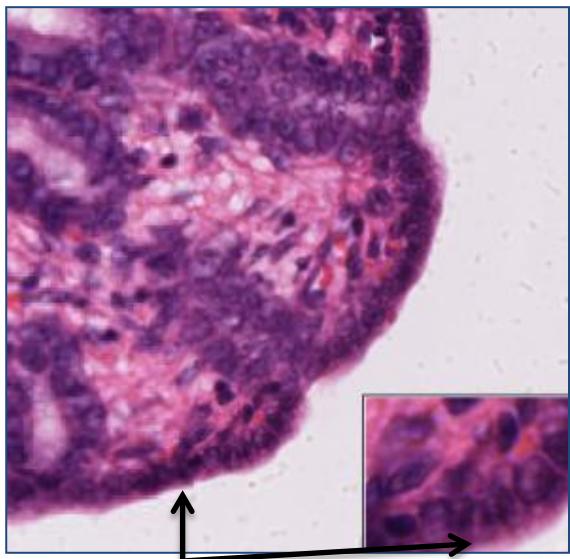


# DEMO SLIDE BOX 196 (889)– Ovary, uterine tube, and uterus, cat.



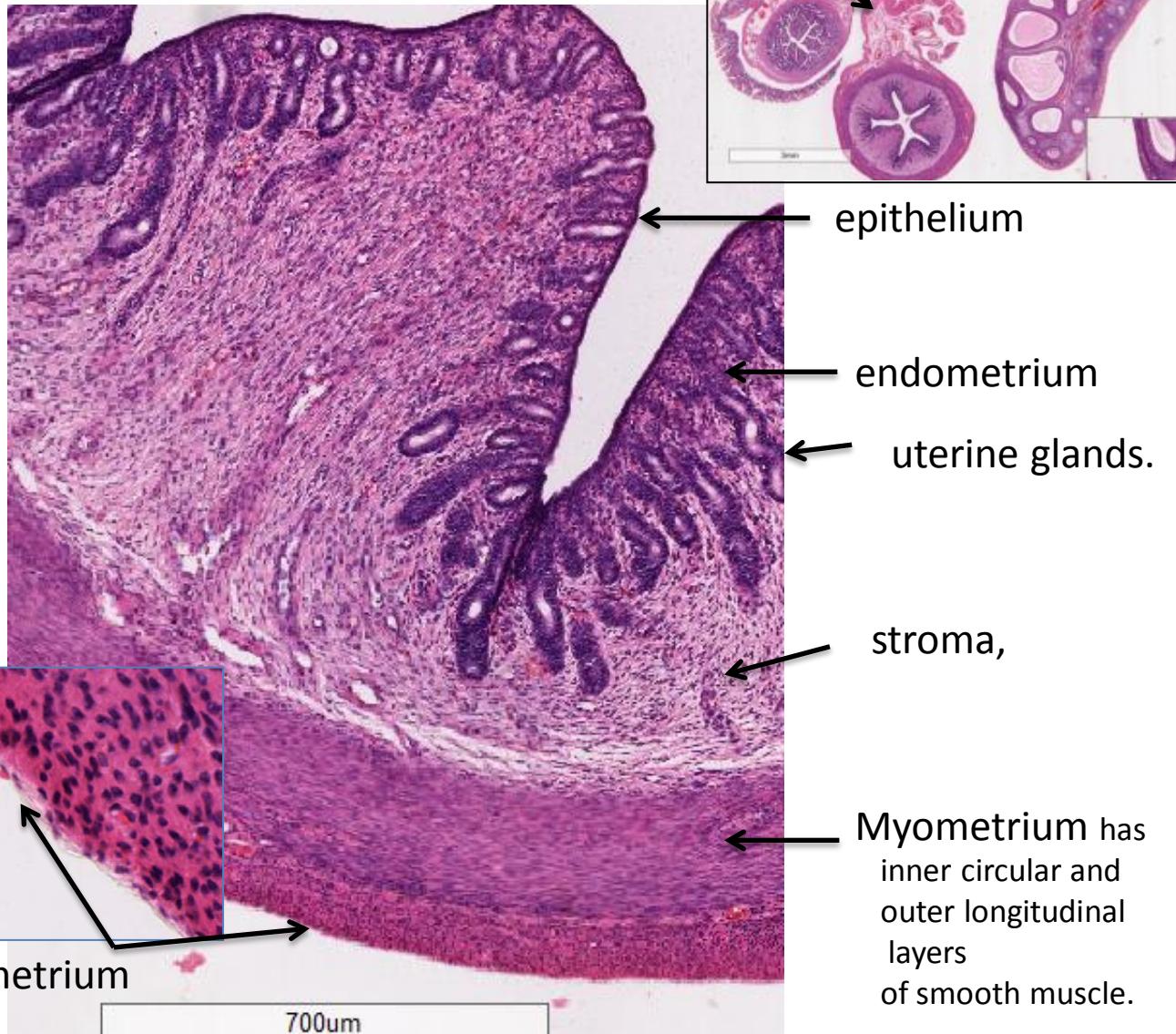
# DEMO SLIDE BOX 196 (889)– Ovary, uterine tube, and uterus, cat.

THIS ANIMAL WAS  
NOT IN ESTRUS



Epithelium is not active

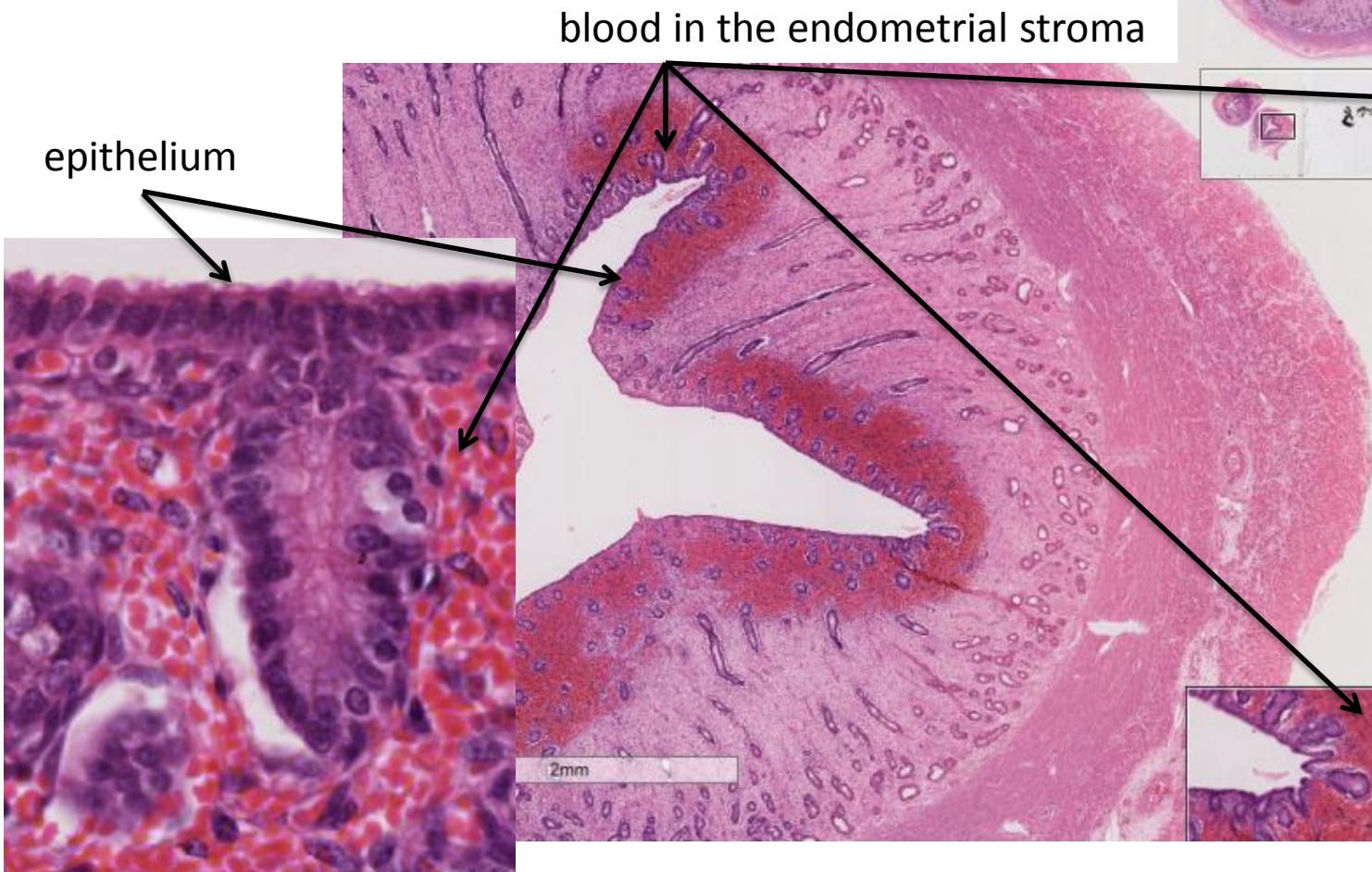
THE UTERINE GLANDS  
HAD NOT YET BECOME  
HIGHLY PROLIFERATED



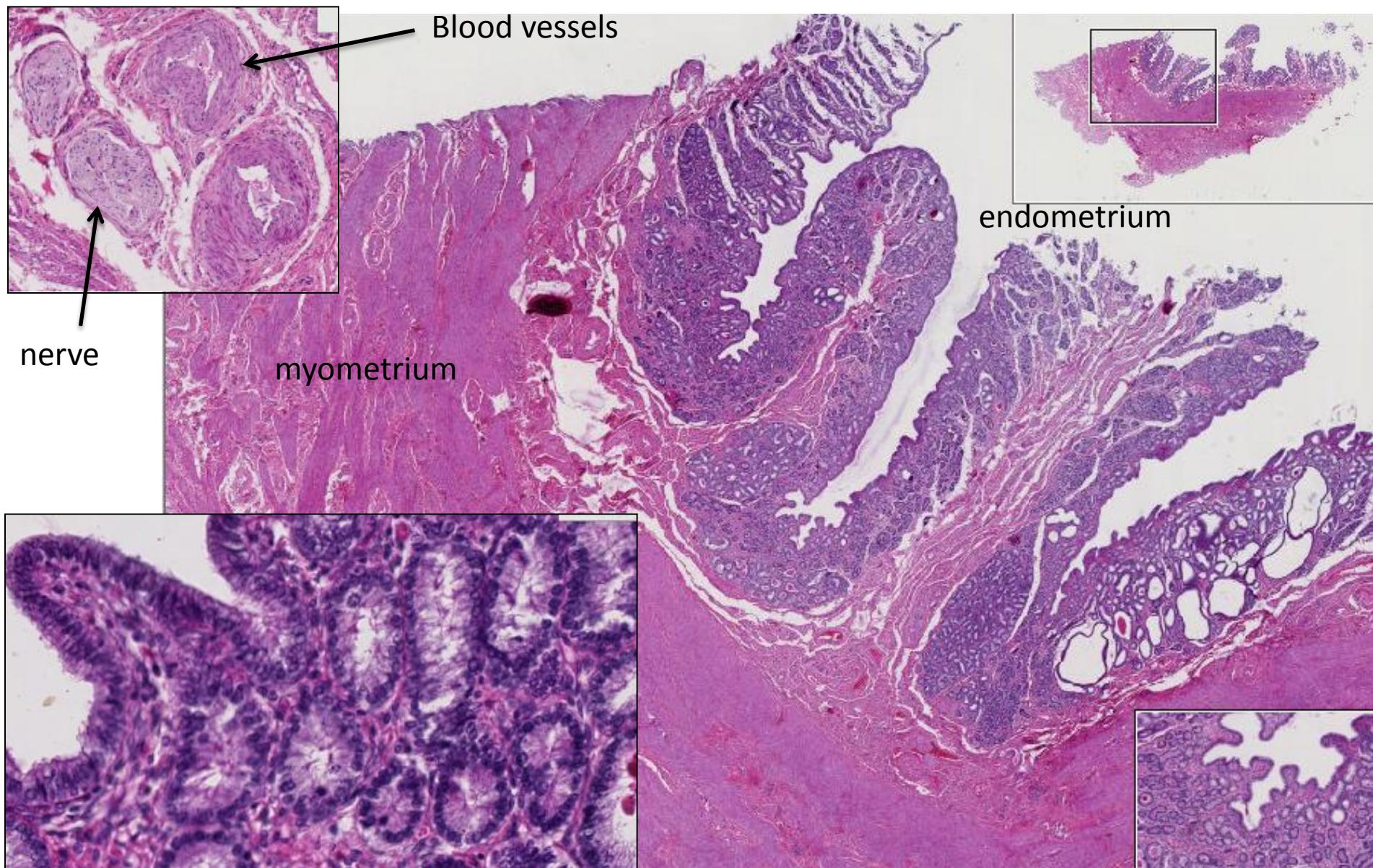
# DEMO SLIDE BOX 198 (868)–Uterus, dog.

the blood in the endometrial stroma; visible hemorrhage

is considered normal during the PROESTRUS phase of the estrous cycle in this species.



# Slide #166 (941). Uterus, mare.

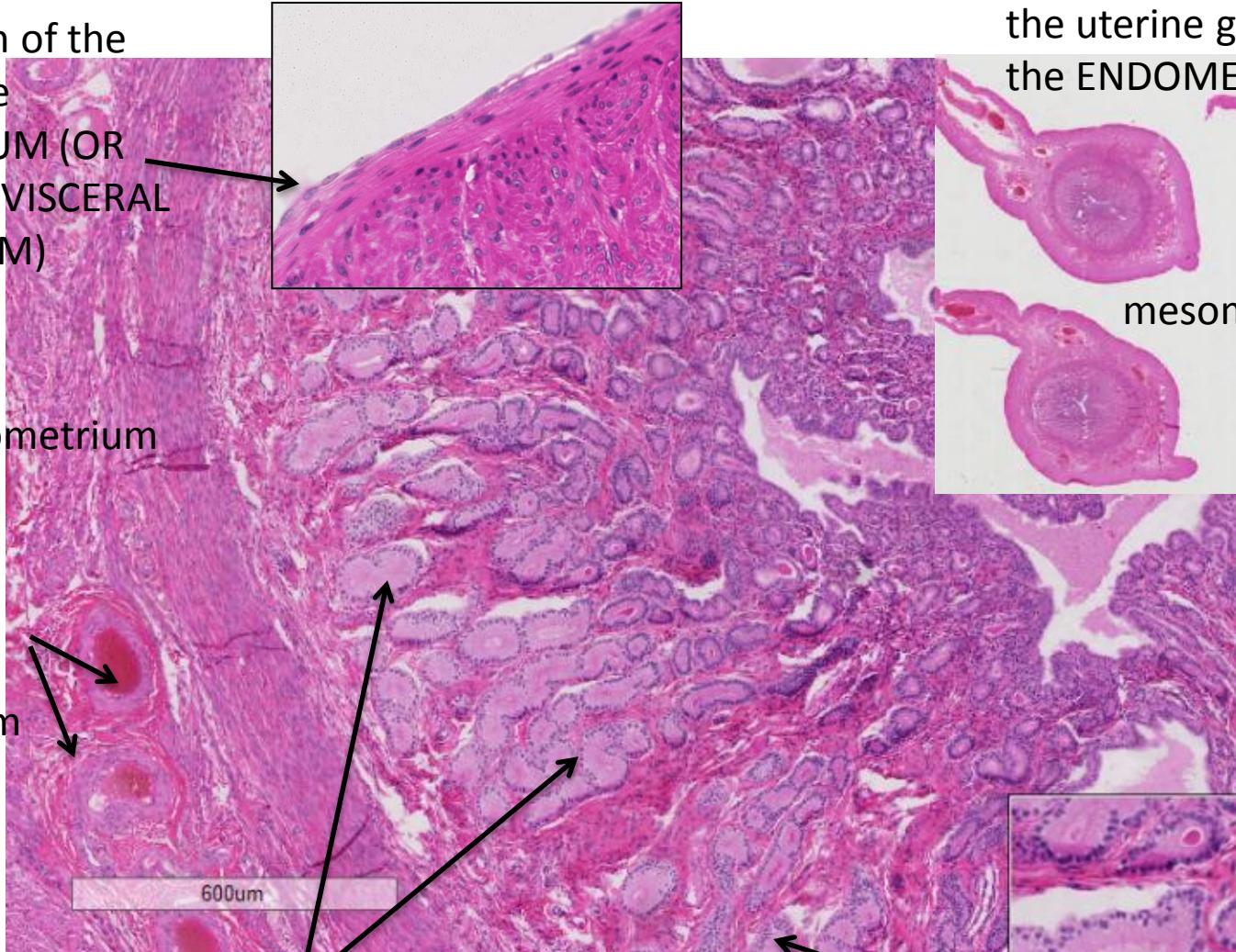


endometrium has a large number of uterine glands

# Slide #147 (Ff132). Uterus, cat

outer region of the uterus is the

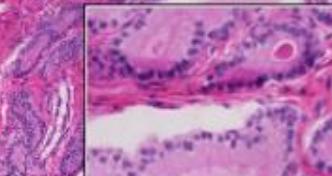
PERIMETRIUM (OR SEROSA OR VISCERAL PERITONEUM)



Based on the large numbers of the endometrial glands, this queen is in estrus

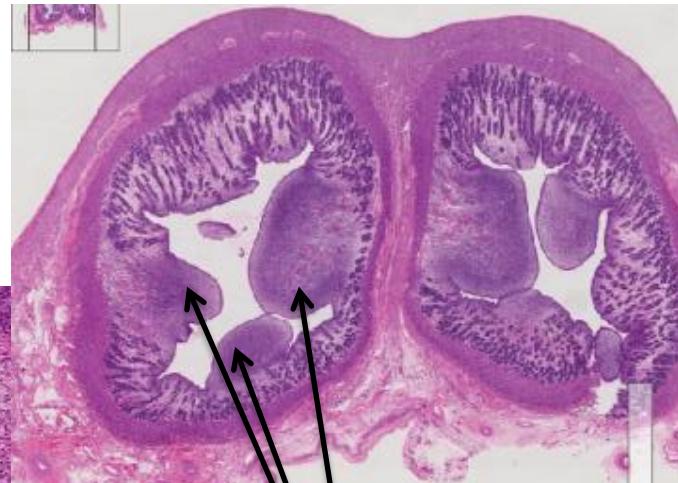
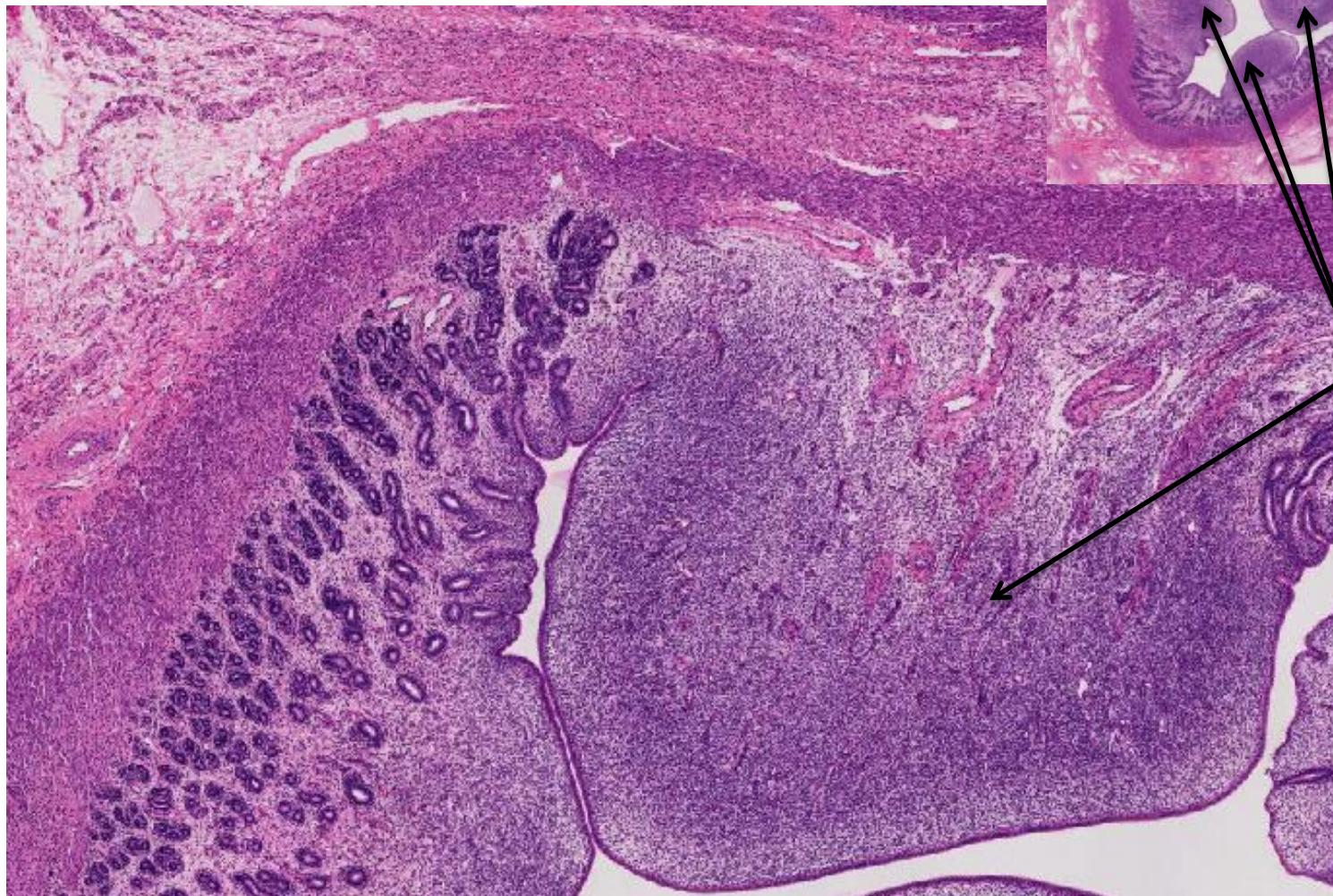
luminal epithelium and underlying CCT containing the uterine glands is called the ENDOMETRIUM

mesometrium



secretions from the glands are staining a pale pink

## Slide #168 (SP-1-163). Uterus, ewe.



Caruncles are  
aglandular  
projections of  
the mucous  
membrane

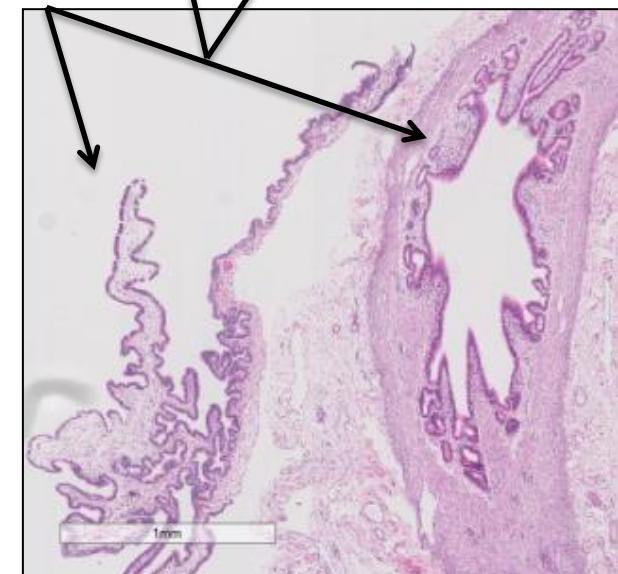
## Slide # 129. Uterine tube and uterine horn, sow.



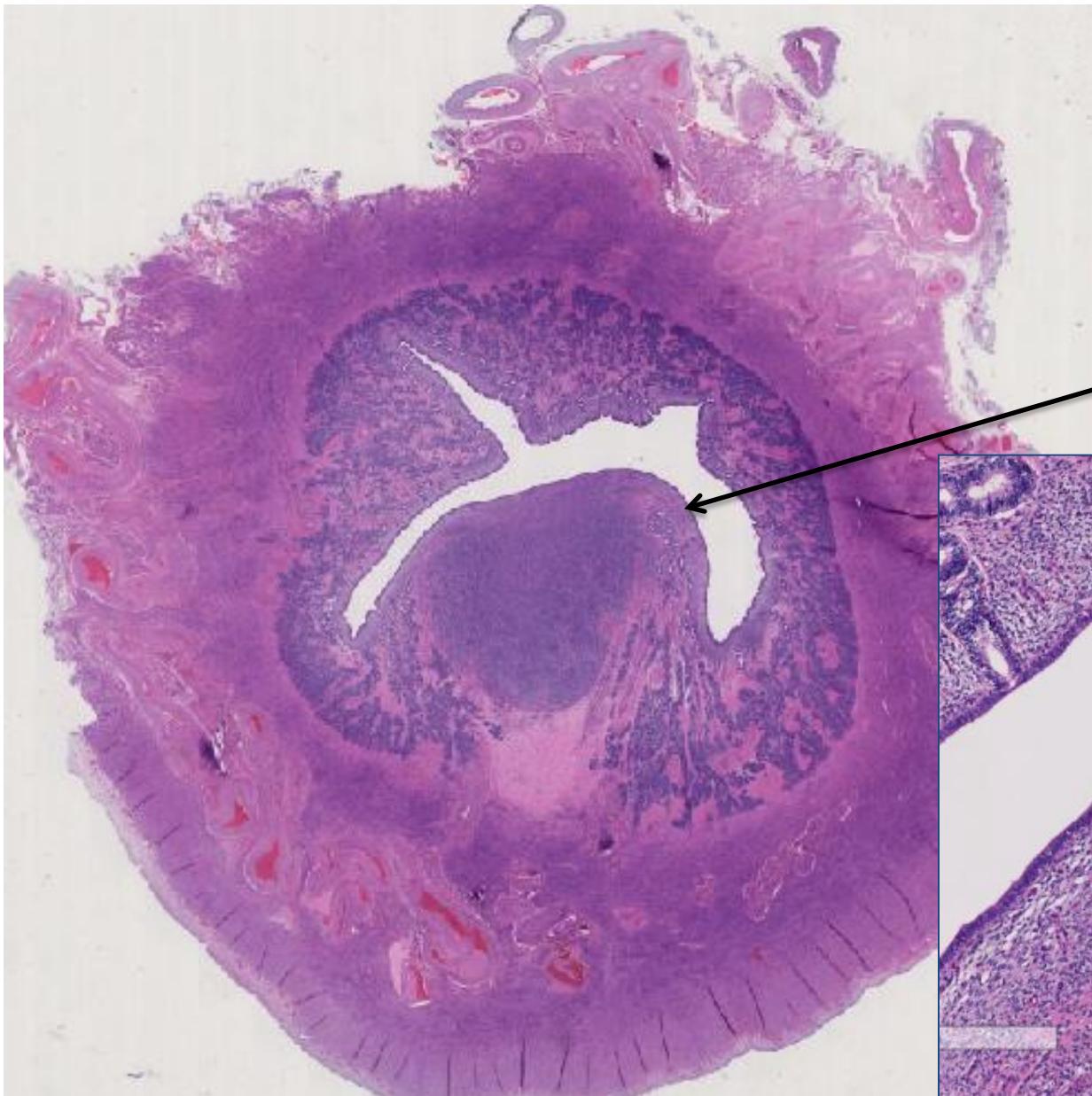
uterine horn



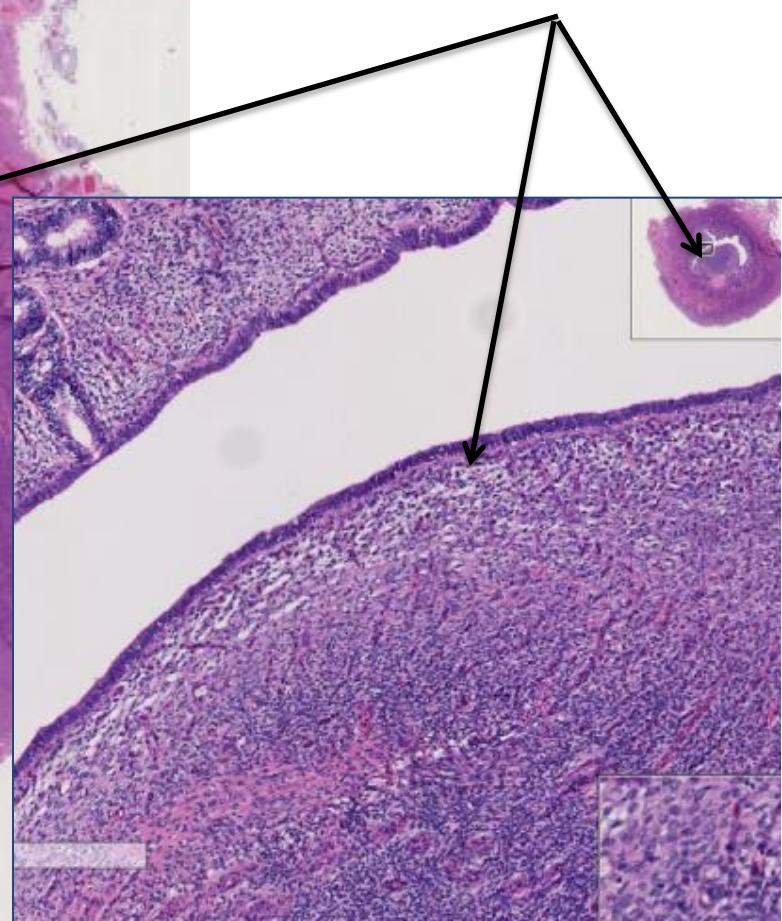
Uterine tube



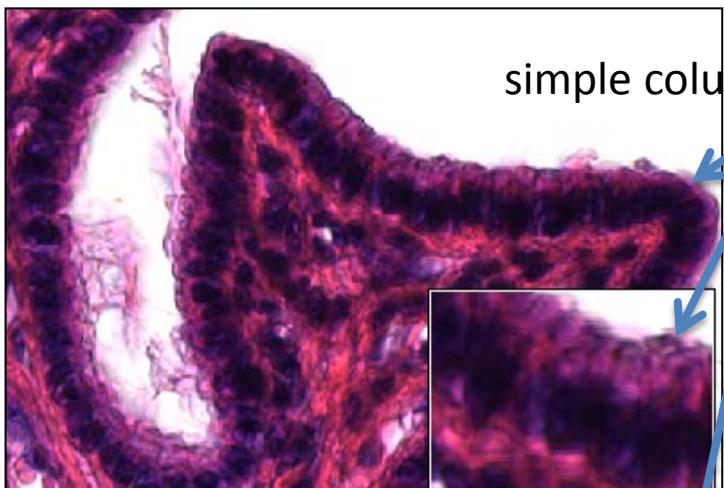
## DEMO SLIDE BOX #214 – Uterus, ruminant



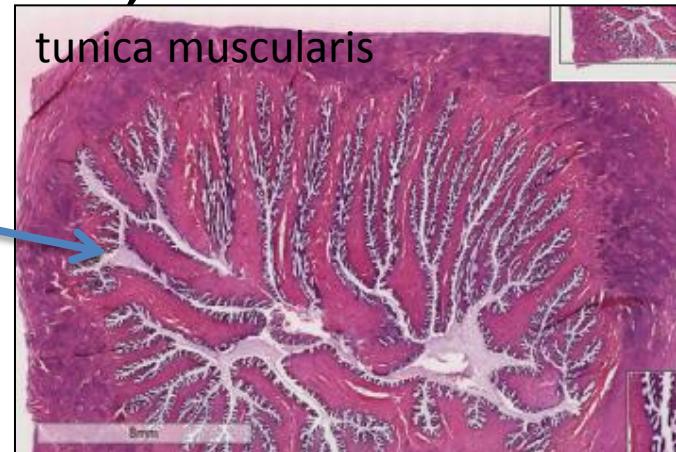
prominent, aglandular  
projections of the mucous  
membrane are caruncles



# DEMO SLIDE BOX #203 (1085)– Cervix, cow.

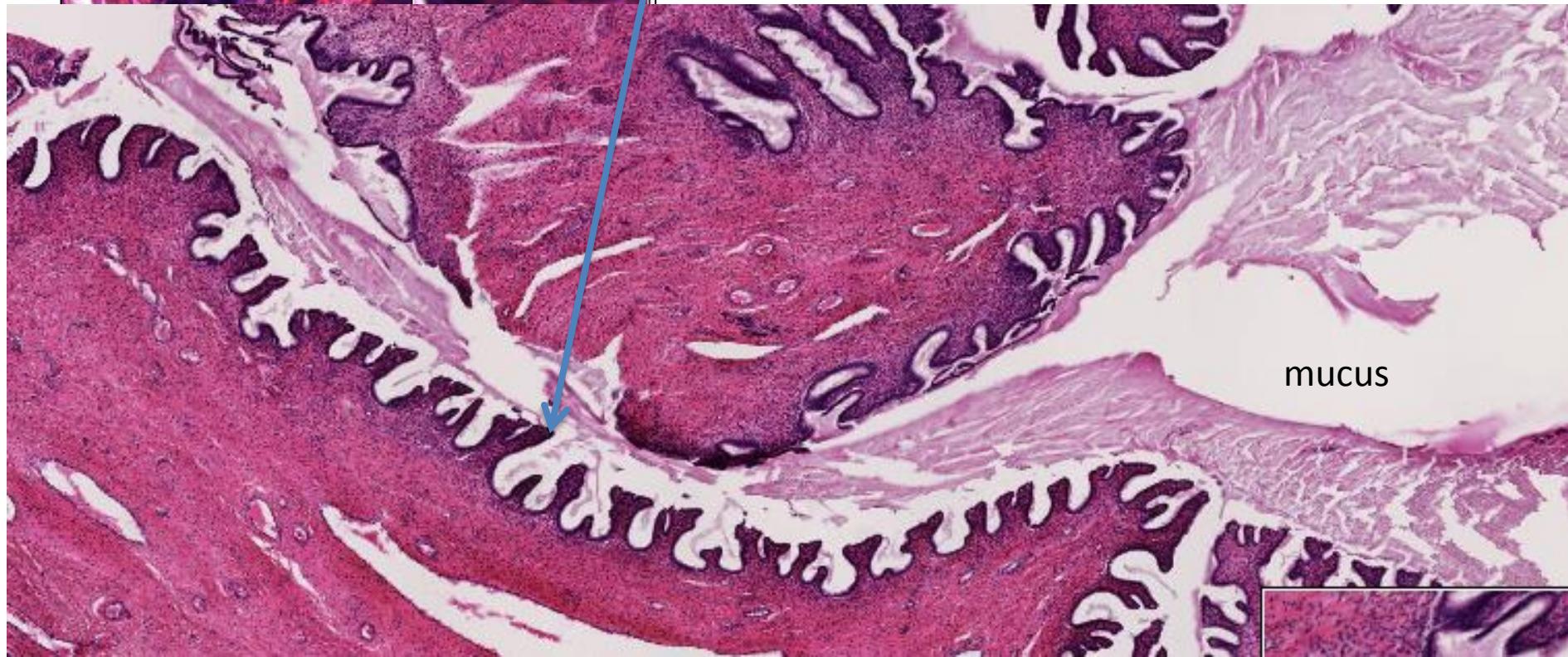


simple columnar epithelium



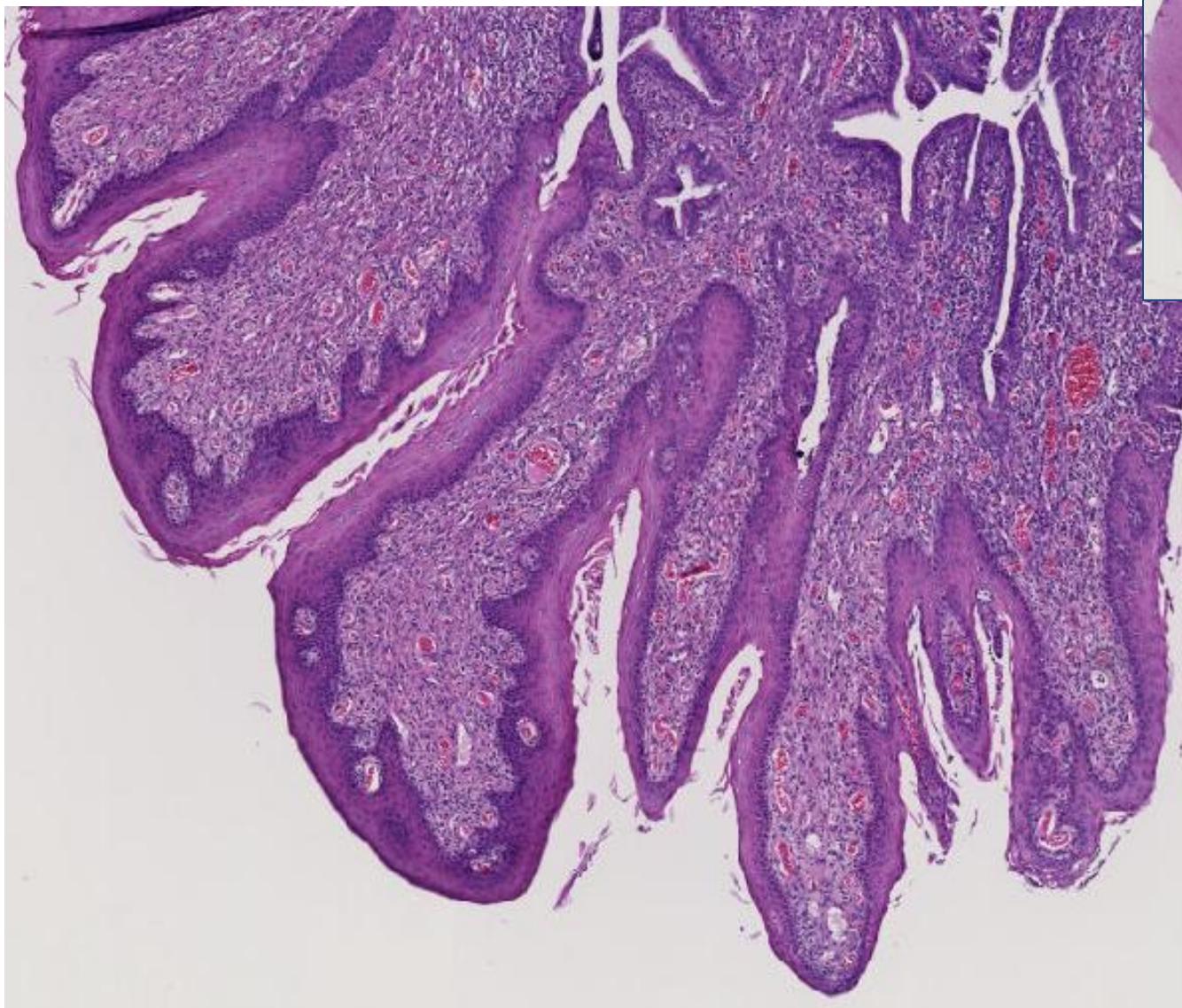
tunica muscularis

both transverse  
and longitudinal  
folds are present  
in the bovine  
cervix



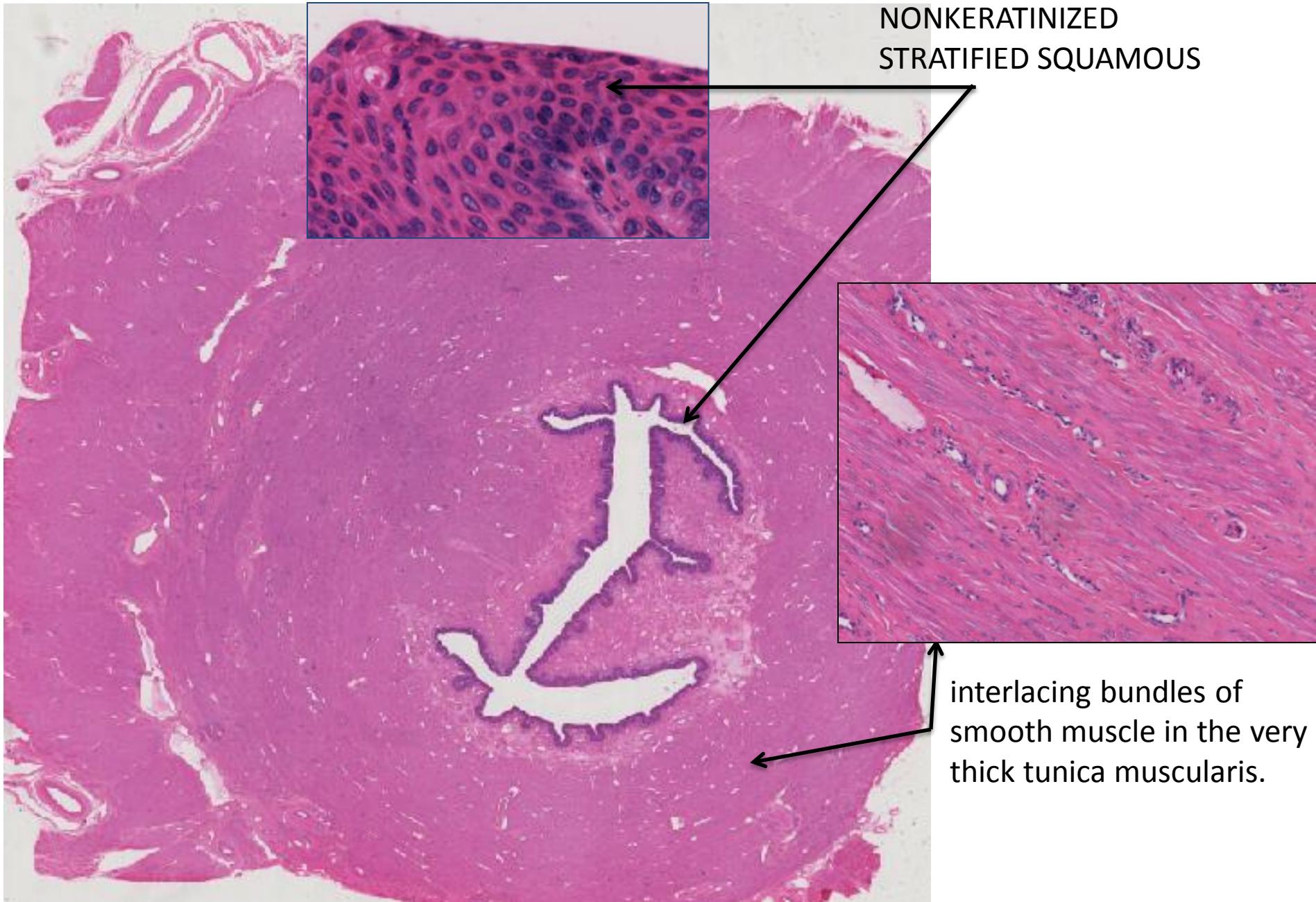
mucus

## DEMO SLIDE BOX #208 – Cervix, sow.

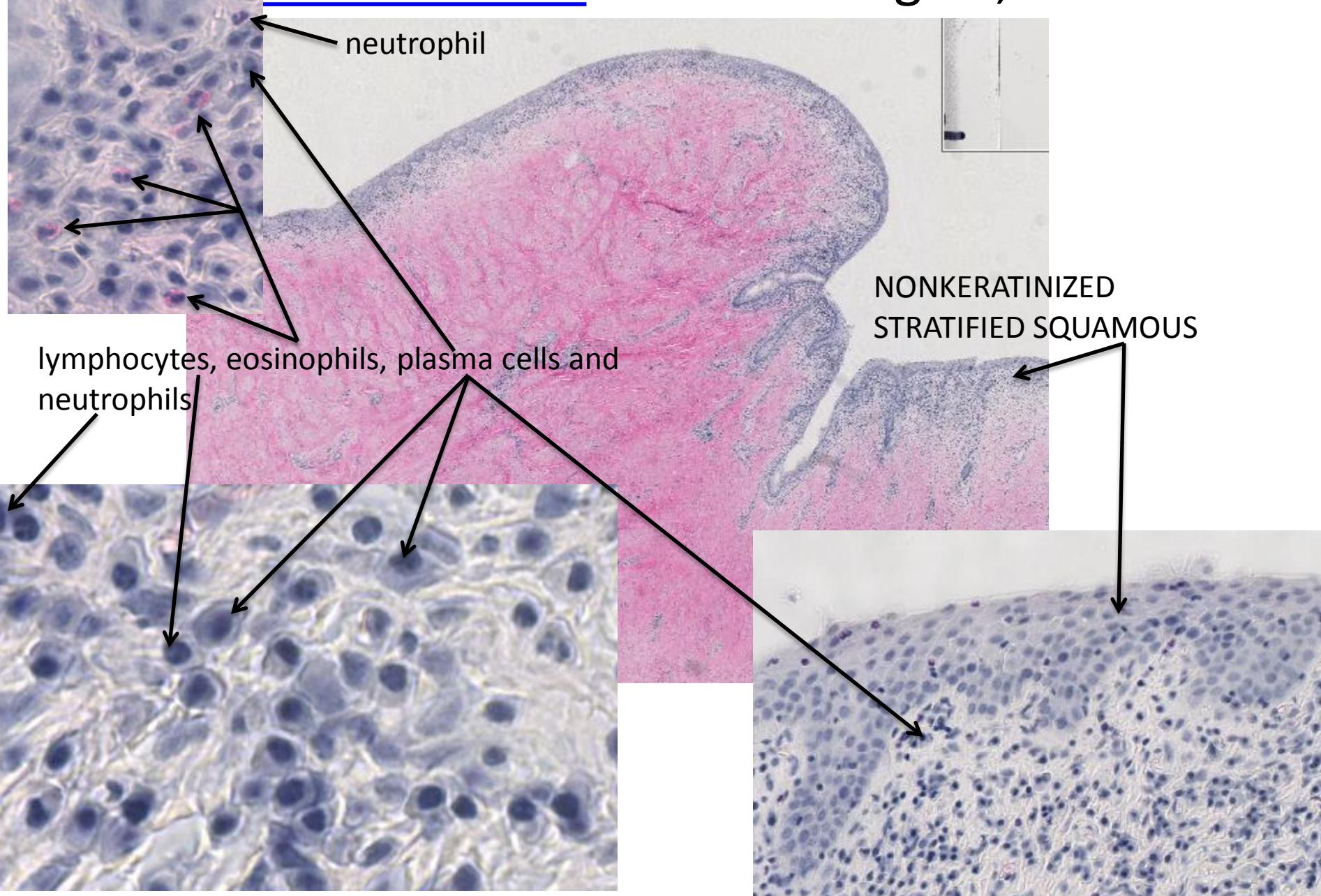


complex folds of the luminal surface of the cervix.

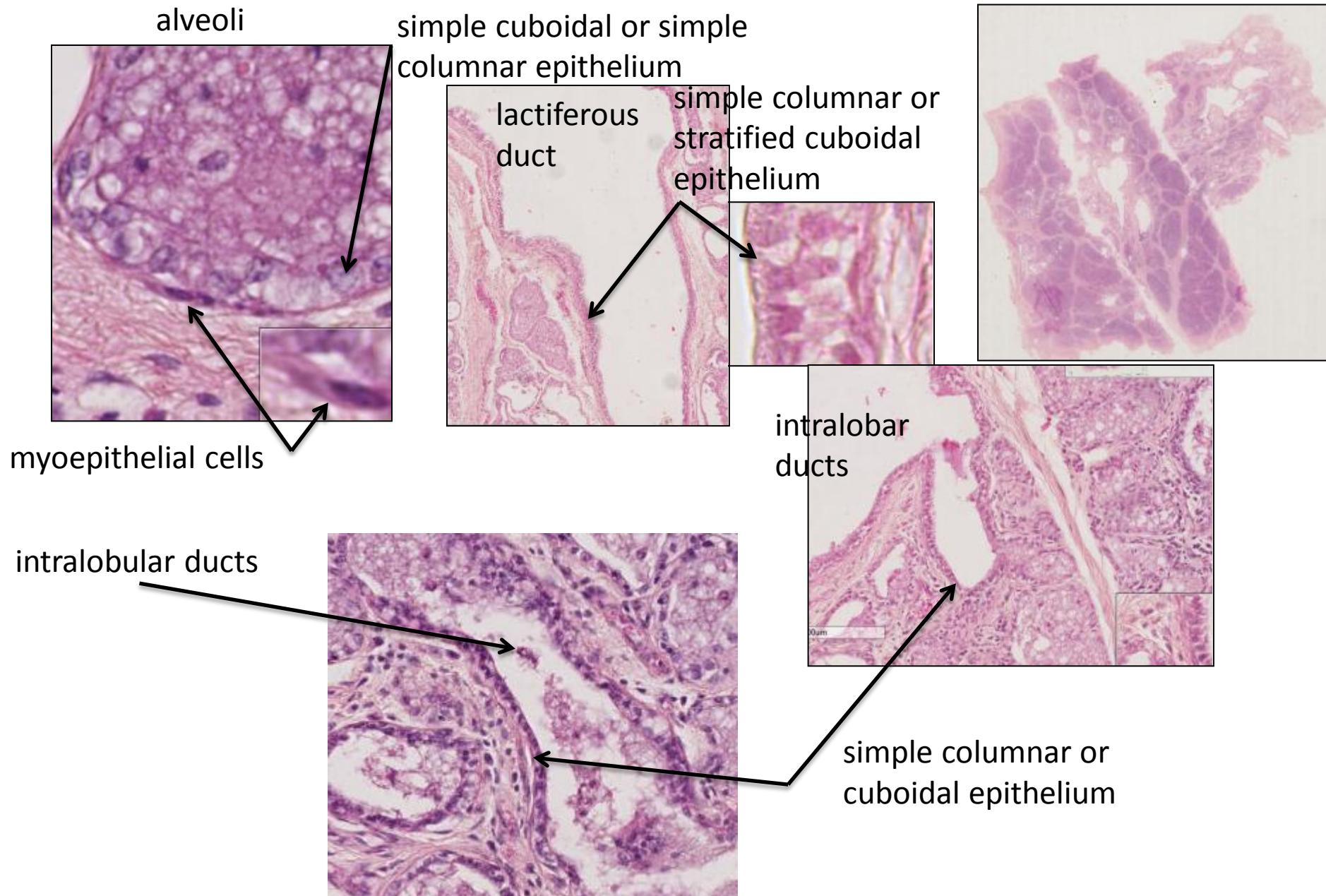
# Slide #185 (PG-1-31). Vagina, sow.



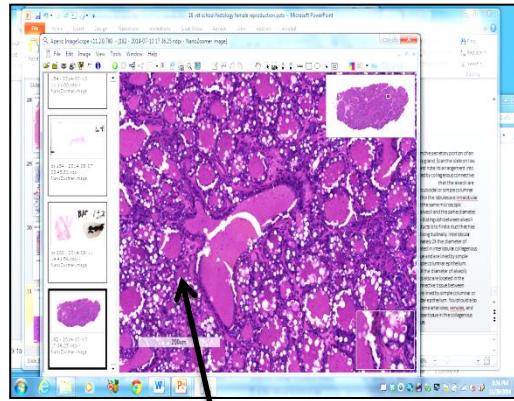
# DEMO SLIDE BOX #154 –Proximal vagina, sow.



# DEMO SLIDE BOX 202 (PG-1-84)–Mammary gland, cow.

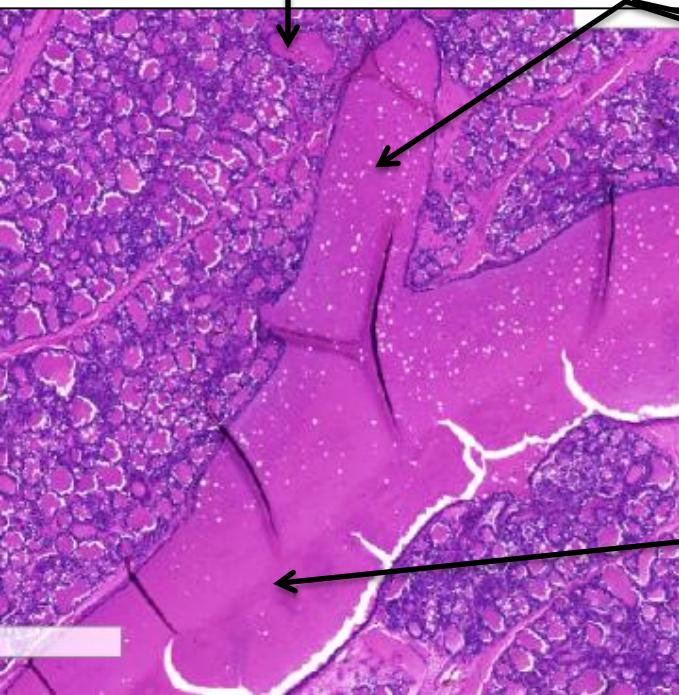


# Slide #182 (126B G). Mammary gland, goat.

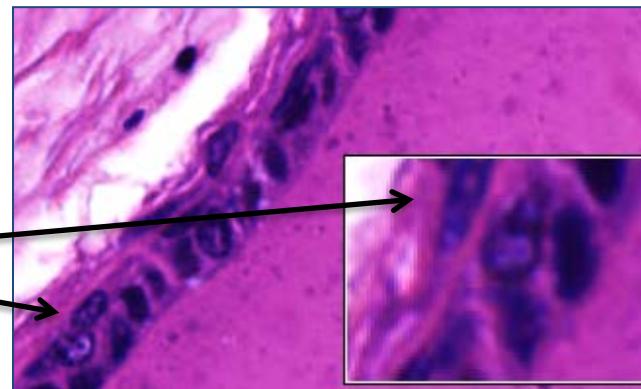
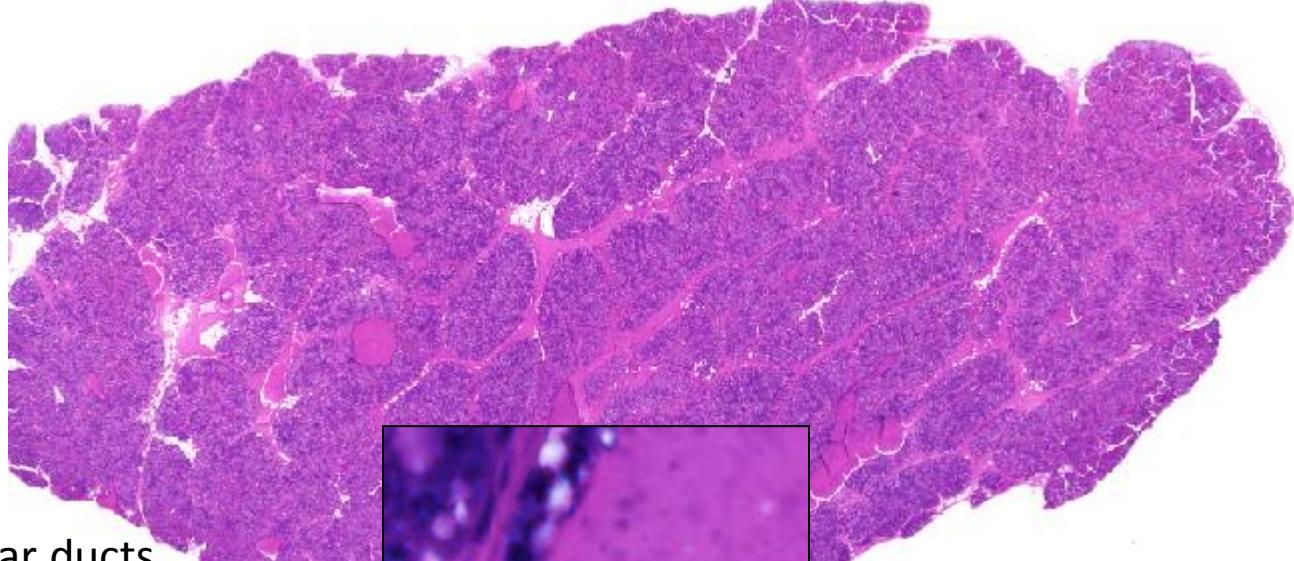


intralobular ducts

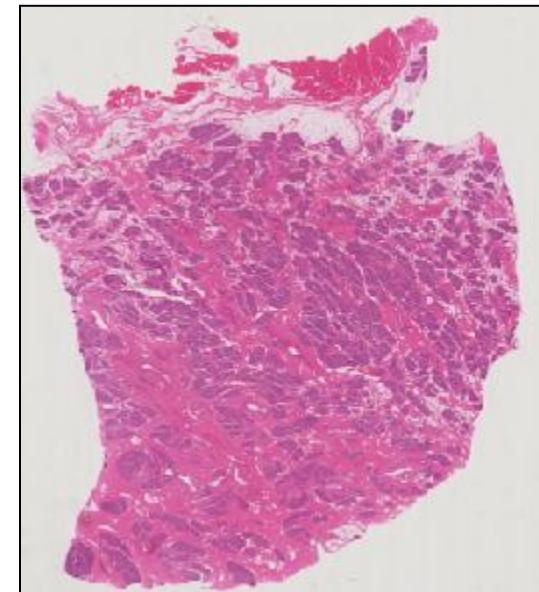
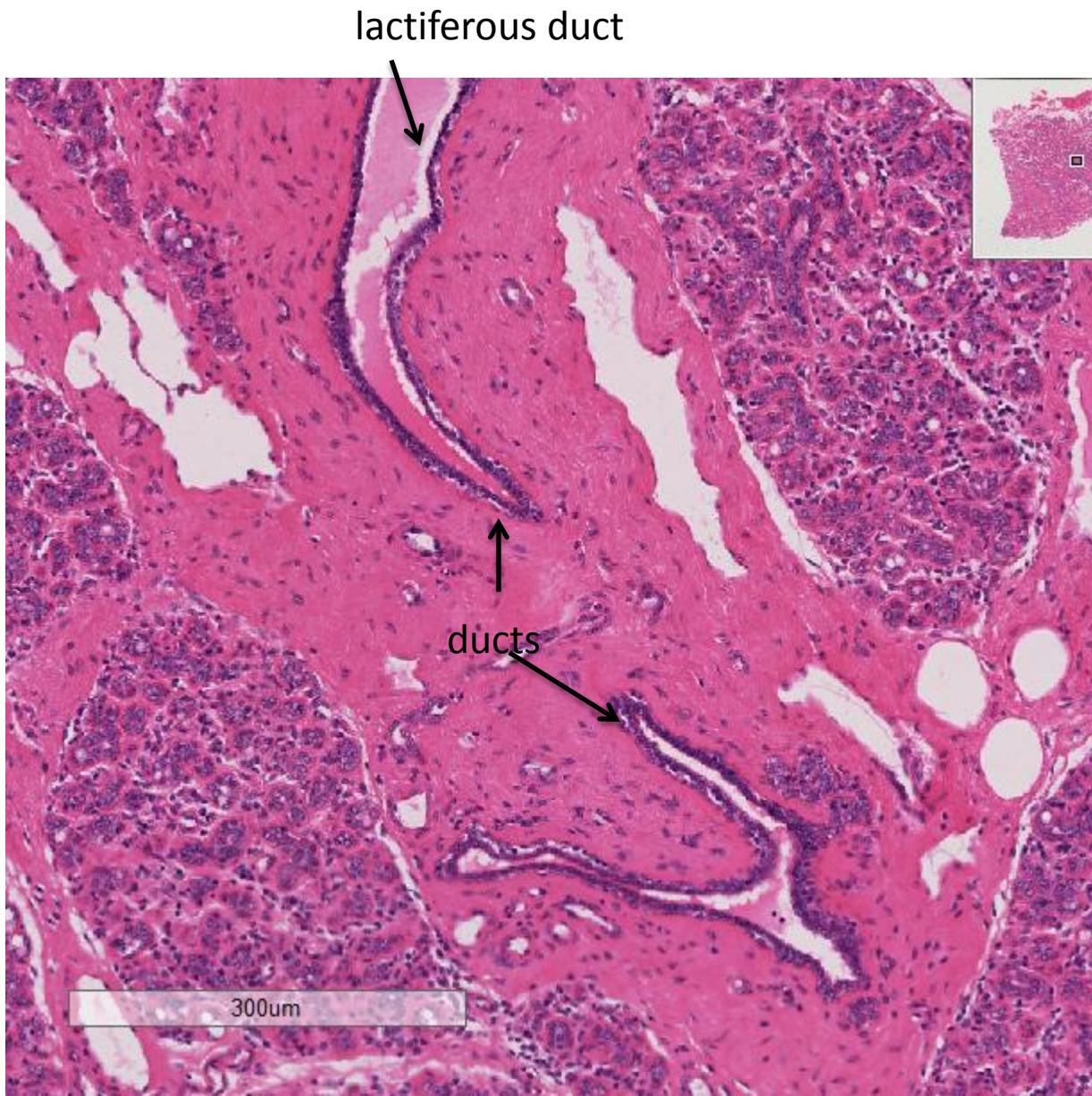
intralobar ducts



lactiferous  
duct

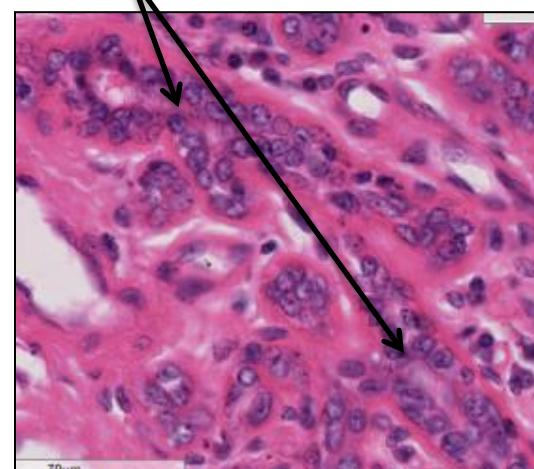


# Slide #183 (PG-1-84). Mammary gland, sow.

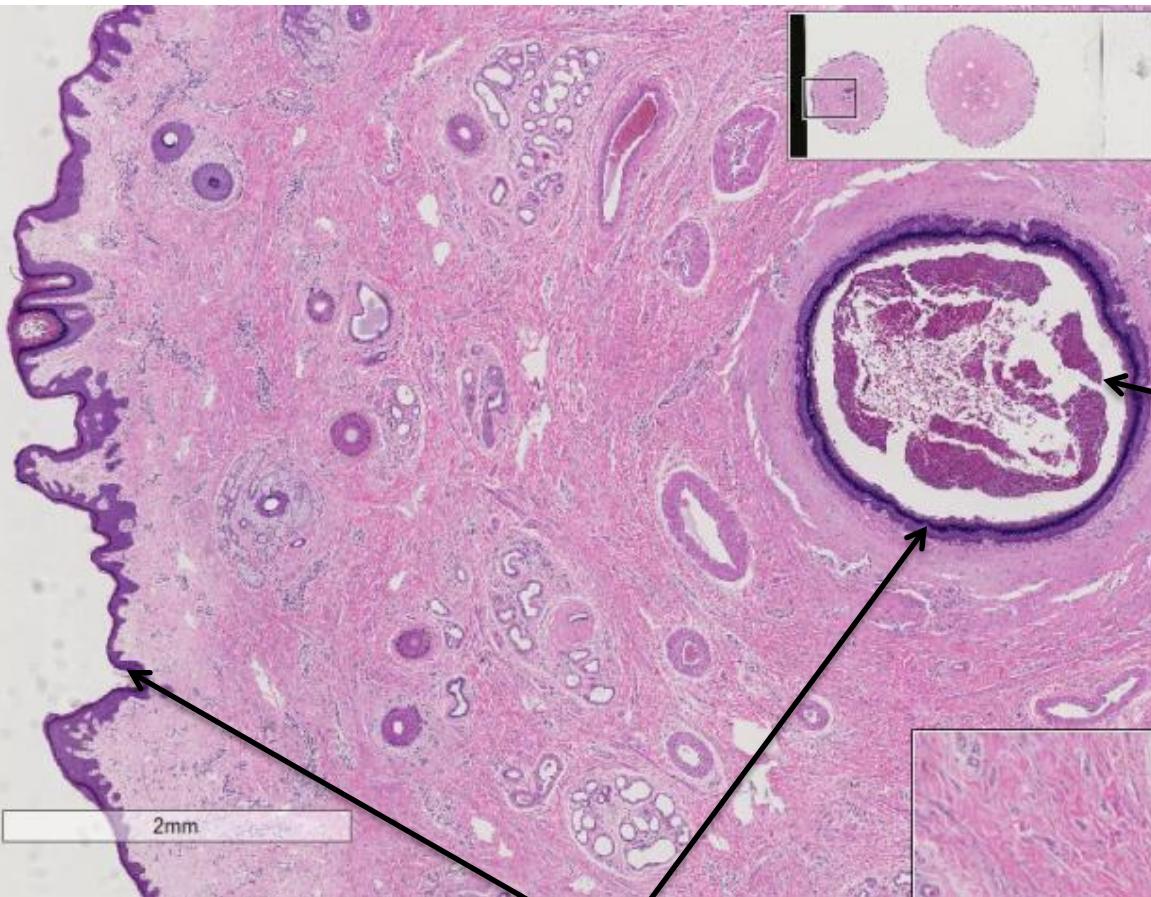


inactive mammary gland

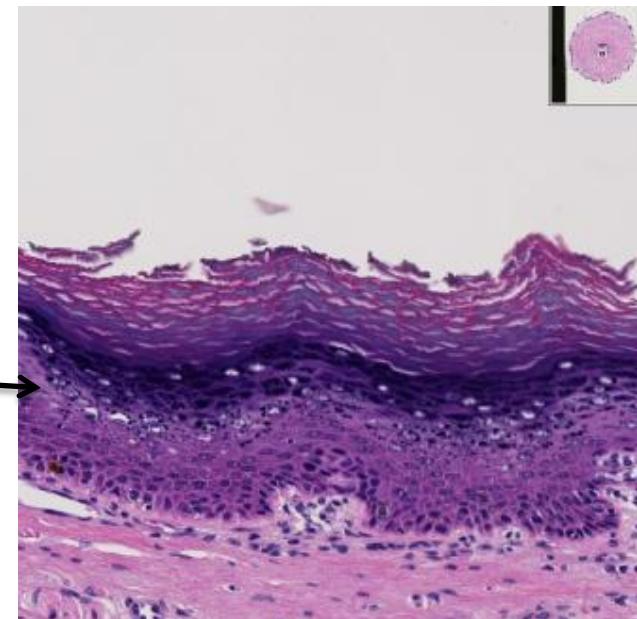
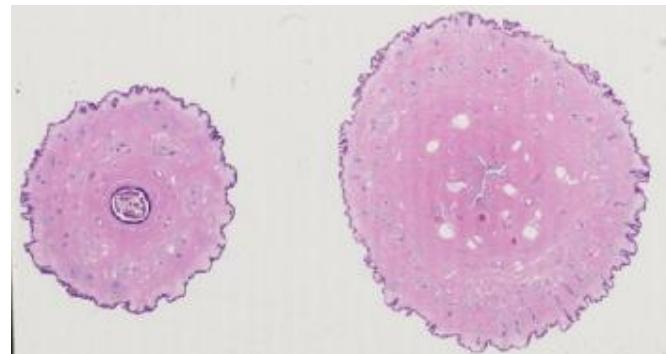
intralobular ducts



# Slide #188 (Sp 905 teat CD). Teat, sheep.

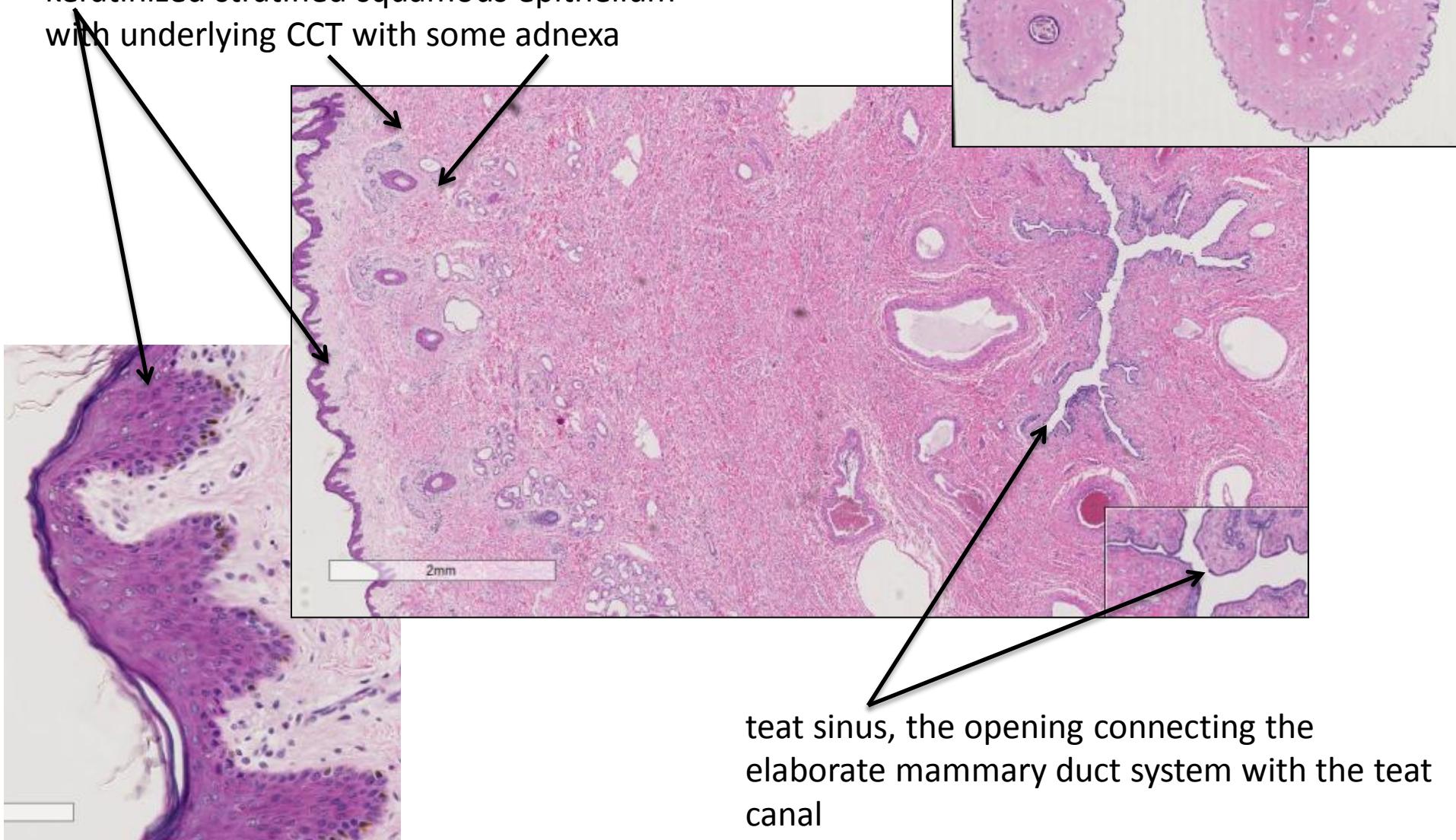


keratinized stratified squamous epithelium.



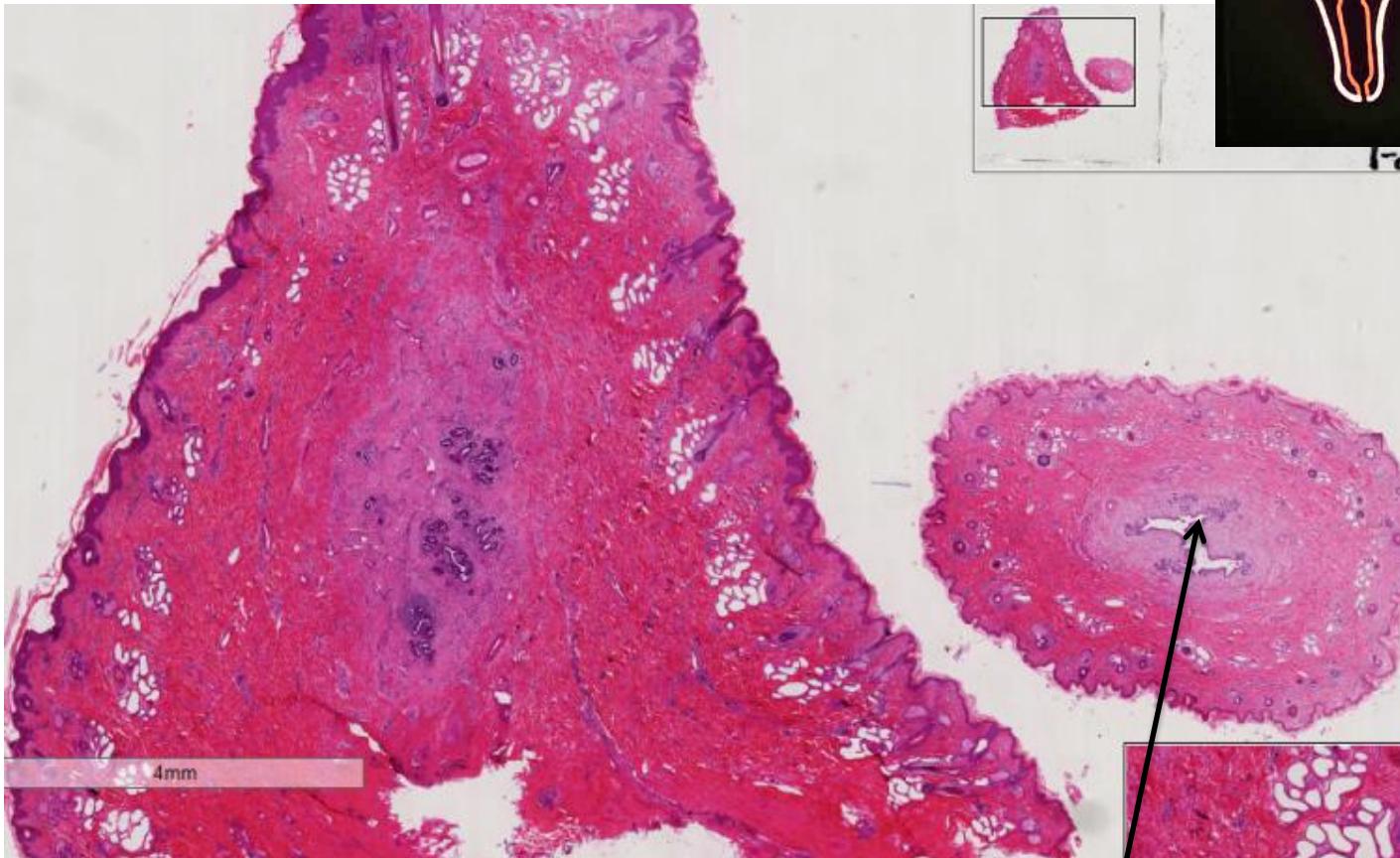
## Slide #188(Sp 905 teat CD). Teat, sheep.

keratinized stratified squamous epithelium  
with underlying CCT with some adnexa



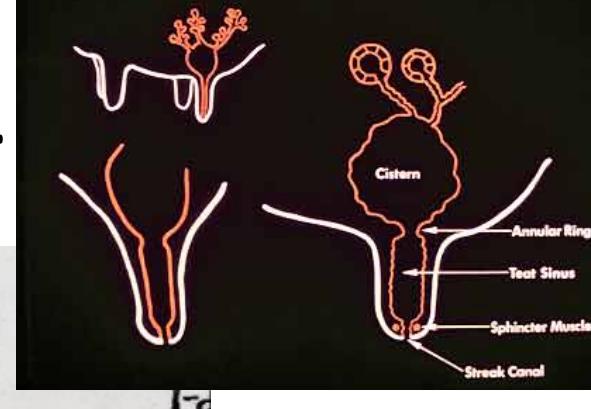
teat sinus, the opening connecting the elaborate mammary duct system with the teat canal

# Slide #187 (SP-1-143). Teat, sheep.



teat sinus leading to the teat canal

teat sinus



<http://www.google.com/imgres?imgurl=http%3A%2F%2Fresearch.vet.upenn.edu%2FPortals%2F62%2Fimages%2Fdairy%2Fmastitis%2Fanatomy.jpg&imgrefurl=http%3A%2F%2Fresearch.vet.upenn.edu%2FDairy%2FMastitis%2FCow%2Ftabid%2F3937%2FDefault.aspx&h=284&w=440&tbnid=82X3Lz4zyKMW%3A&zoom=1&dclid=ikUB5uAt7DfUM&ei=O5p8VOuyBoLsoATRmol4DA&tbm=isch&ved=0CEEQMygdMB0&ict=rc&uact=3&dur=2303&page=2&start=26&ndsp=39>

# GENERAL STRUCTURE

PERIMETRIUM

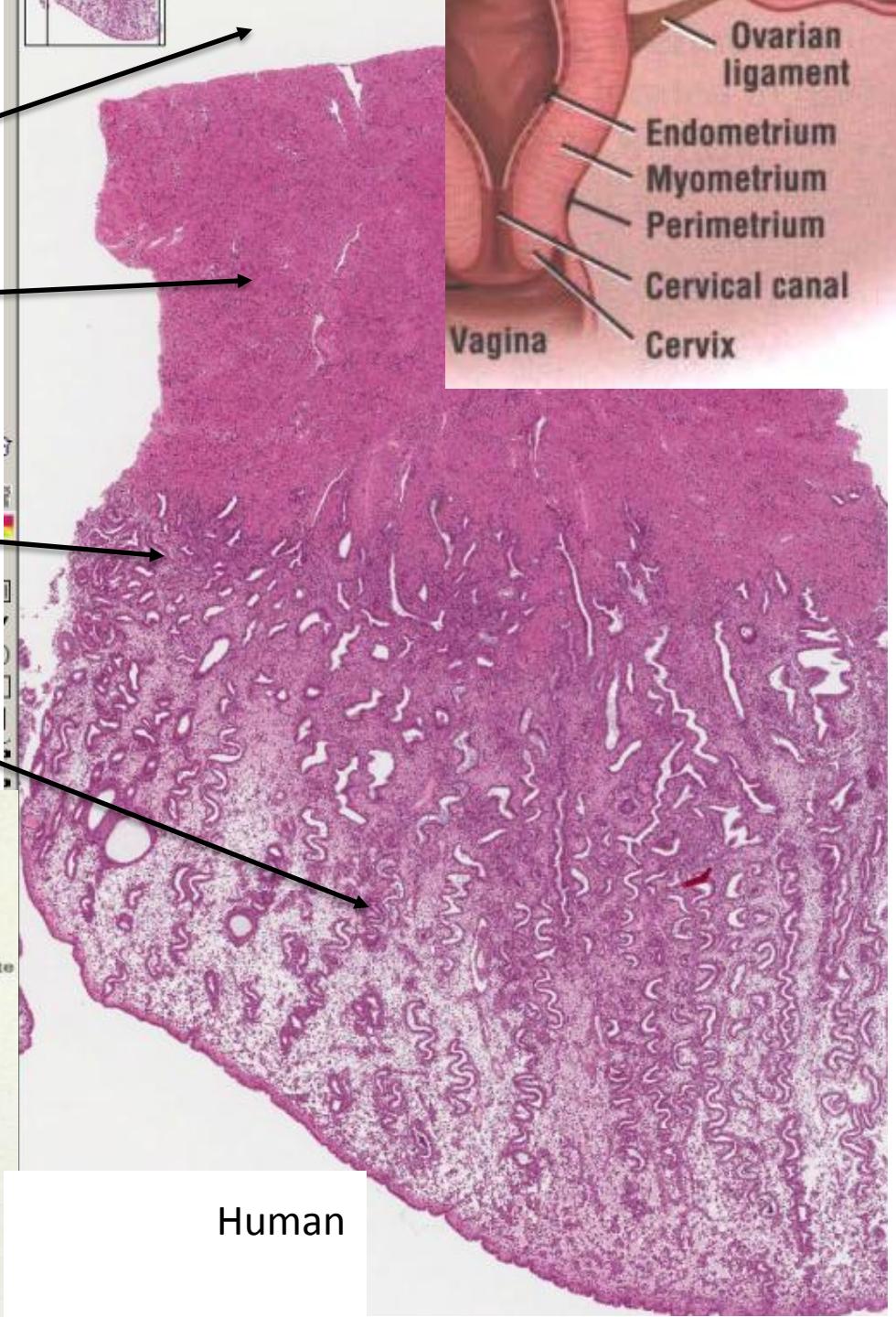
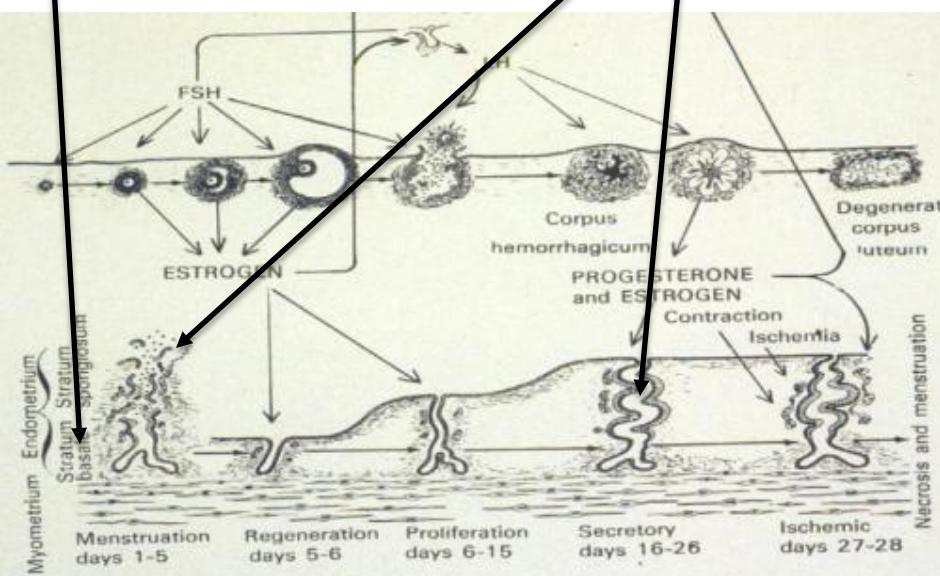
MYOMETRIUM

ENDOMETRIUM

ZONA BASALIS

ZONA

FUNCTIONALIS





Umbilical cord

129

