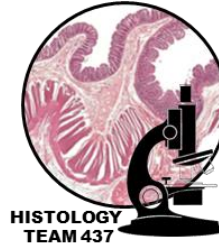




MED437
KING SAUD UNIVERSITY

OSPE file

Reproductive block



HISTOLOGY
TEAM 437

Pink: questions

Black: complete answers

Gray: notes | extra

➤ You should know before the exam:

- The exam will consist of **4 stations**.
- The pictures in these slides may not be the **same** in the exam.
- You have to **mention the full name** always and **DON'T use shortcuts** you could lose marks because of that.
- If the Question is (mention the **feature**): you **SHOULD** write the **specific features** like (Type of epithelium, cells found in the structure...etc), and **AVOID** the **general features** like (septa, capsule...etc)



Ovary

Q1: Identify the structure?

Ovary

Q2: Mention the stage of follicles labeled inside the Ovary?

- Mature Graafian follicle
- Secondary follicle

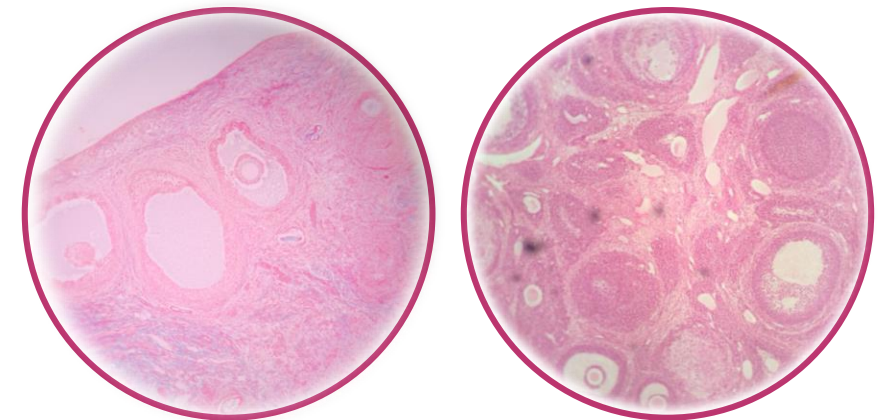


Q3: What are the layers forming this structure?

- Germinal epithelium
- Tunica albuginea
- Outer cortex (contain the follicles)
- Inner medulla

Q4: What is the feature of this structure?

- corona radiata
- granulosa cells
- zona pellucida
- Theca folliculi: theca interna & theca externa



Fallopian Tube

Q1: Identify the structure?
fallopian tube

Q2: What is the type of epithelium in this structure?

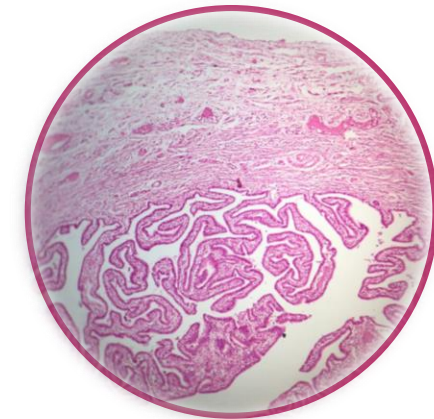
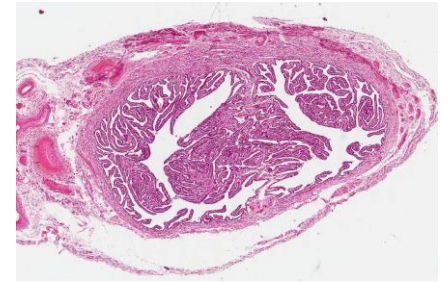
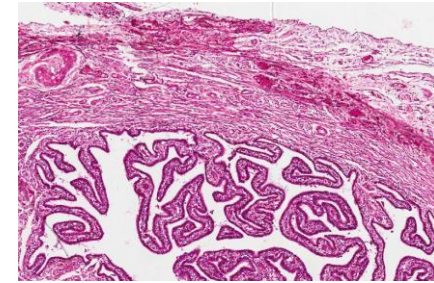
- Simple columnar partially ciliated epithelium
- Partially secretory (peg cells)

Q3: What are the layers forming this structure?

- Mucosa
- Muscularis (Inner circular | Outer longitudinal)
- Serosa

Q4: What are the cells found in this structure?

- Ciliated cells
- Non-Ciliated cells (peg cells)



Uterus

Q1: Identify the structure?

Uterus

Q2: What is the type of epithelium in this structure?

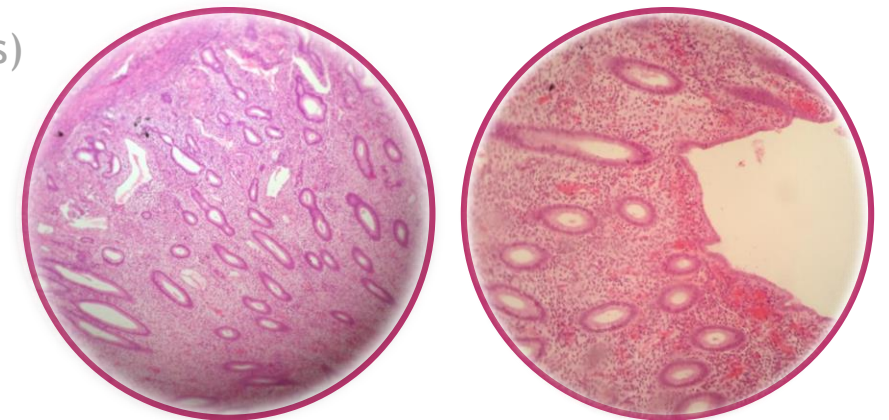
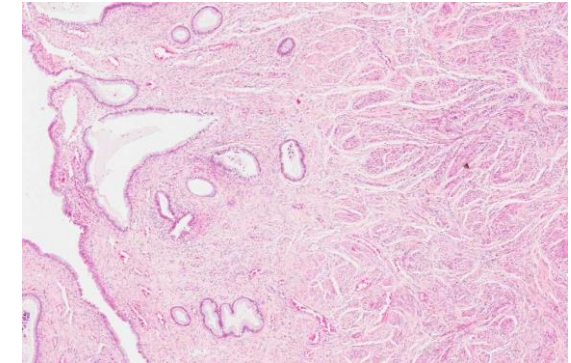
Simple columnar partially ciliated epithelium

Q3: What are the layers forming this structure?

- Endometrium (mucosa)
- Myometrium (musculosa) (3 ill-defined smooth muscle layers)
- Perimetrium (**serosa**)

Q4: What are the layers of Myometrium?

- Stratum-submucosum (longitudinal)
- Stratum-vasculare (Circular)
- Stratum-supravasculare (longitudinal)



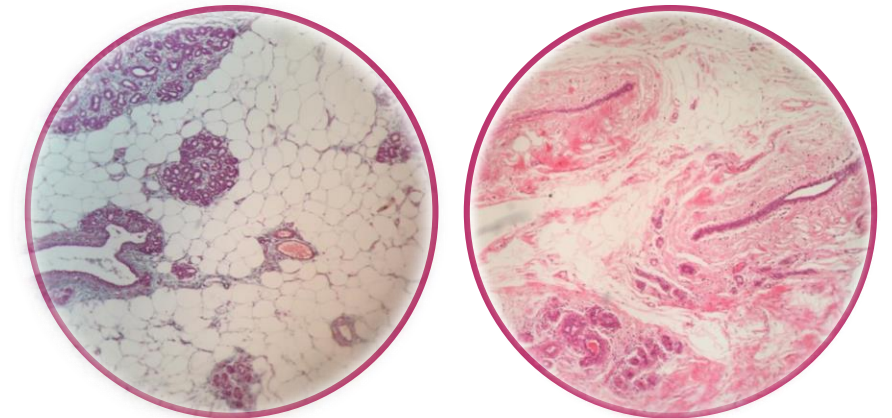
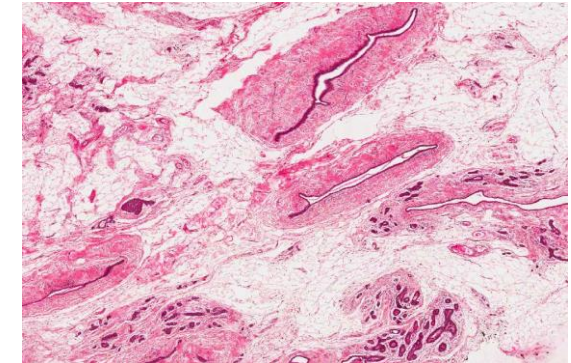
Resting (Non Lactating) Mammary Gland

Q1: Identify the structure?

Resting (Non Lactating) Mammary Gland

Q2: Mention the features in this structures?

- Ducts
- Dense connective tissue with numerous fat cells (**adipose C.T.**)
- Epithelium:
 - Simple cuboidal
 - Stratified columnar in the areola
 - Stratified squamous in the nipple



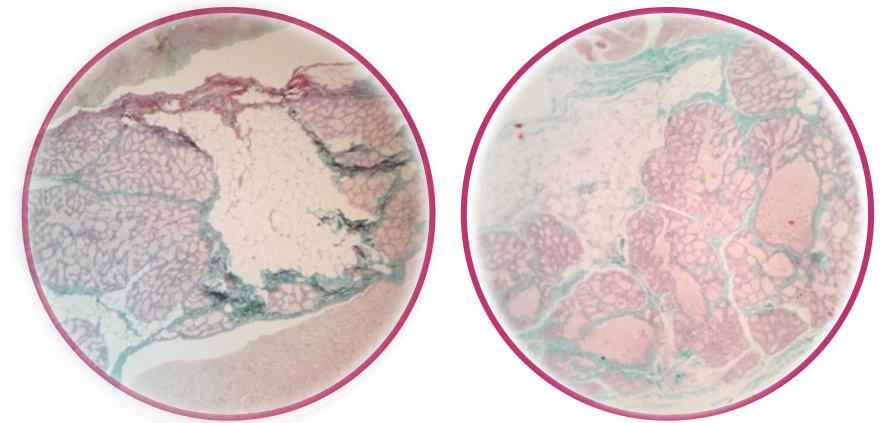
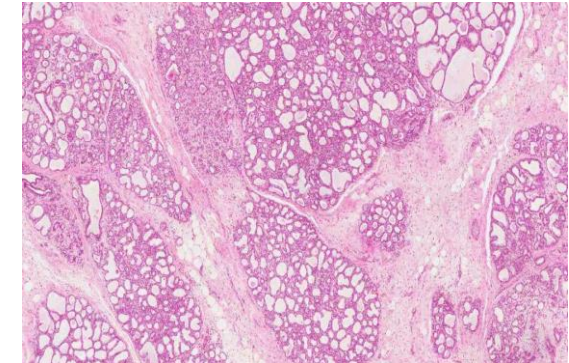
Lactating Mammary Gland

Q1: Identify the structure?

Lactating Mammary Gland

Q2: Mention the features in this structures?

- Ducts
- Septa (C.T)
- Alveoli (contains milk)
- Epithelium:
 - Simple cuboidal epithelium
 - Myoepithelial cells



Testis (seminiferous tubules)

Q1: Identify the structure?

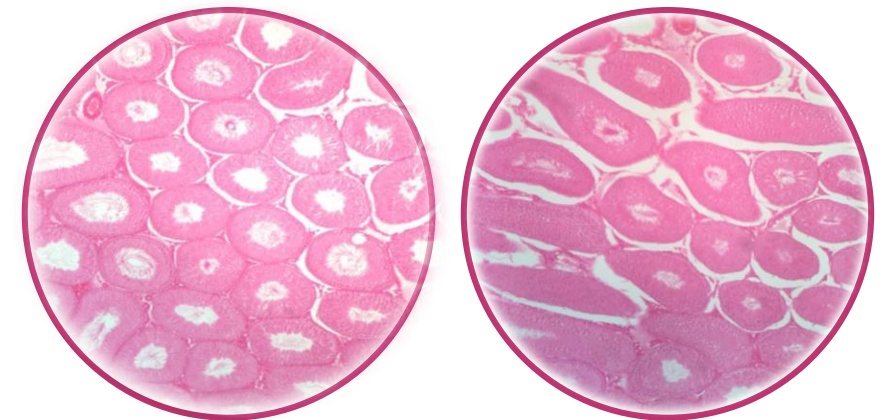
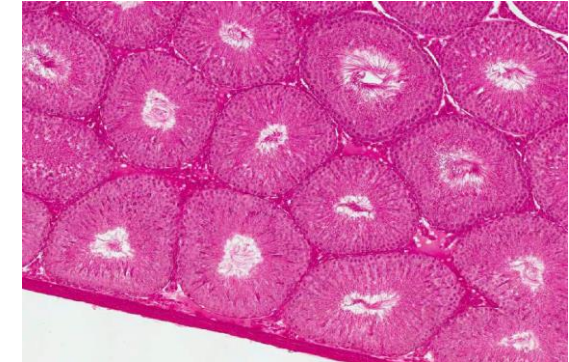
Testis (seminiferous tubules)

Q2: What are the cells found in this structure?

- Sertoli cells
- Spermatogenic cells
- Interstitial (Leydig) cell

Q3: What are the layers forming this structure?

- **Stroma**
 - Tunica vaginalis
 - Tunica albuginea
 - Tunica vasculosa
 - Septa
 - Interstitial tissue
- **Parenchyma**
 - Seminiferous tubules
 - Interstitial cells of Leydig



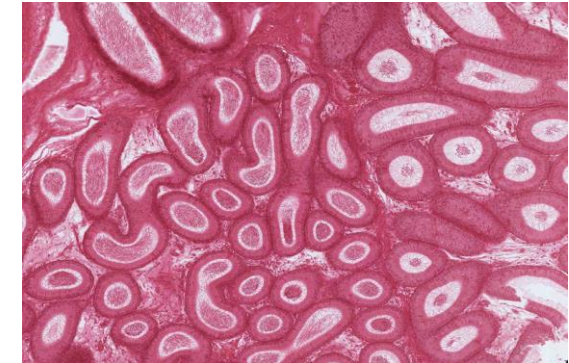
Epididymis

Q1: Identify the structure?

Epididymis

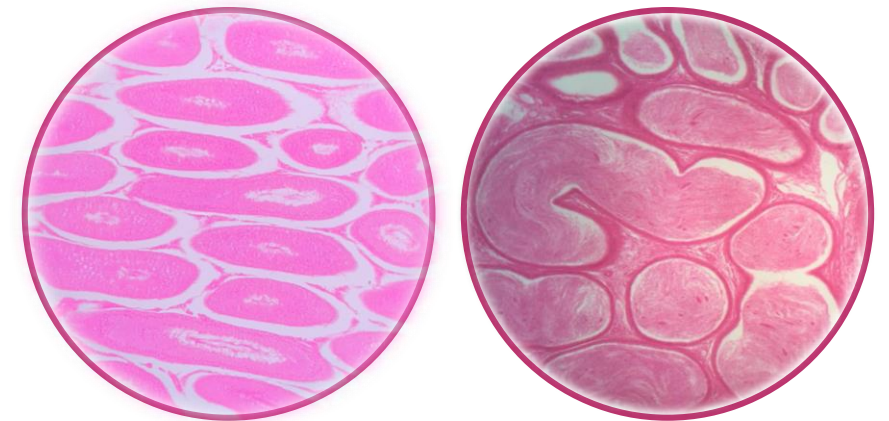
Q2: What is the type of epithelium in this structure?

Pseudo-stratified columnar epithelium with stereocilia, it is surrounded by bundles of smooth muscle fibers



Q3: What are the layers forming this structure?

- Epithelium
- Basal lamina
- Loose C.T.
- Layer of circularly-arranged smooth muscle cells



Vas Deferens

Q1: Identify the structure?

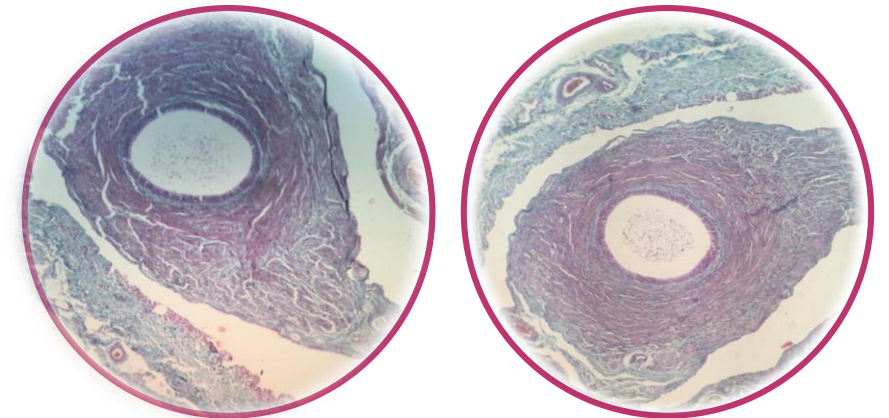
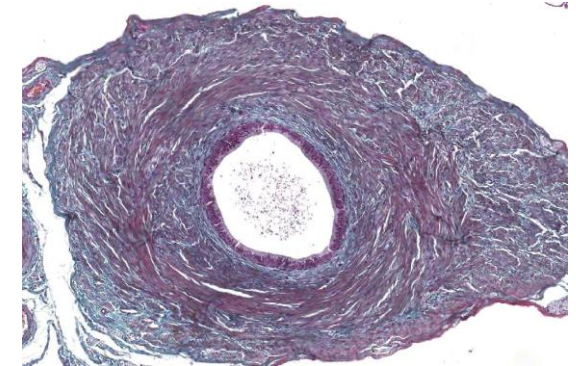
Vas deferens

Q2: What is the type of epithelium in this structure?

Pseudo-stratified columnar epithelium with stereocilia

Q3: What are the layers forming this structure?

- Mucosa
- Muscularis (thick; 3 layers)
- Adventitia



Prostate Gland

Q1: Identify the structure?

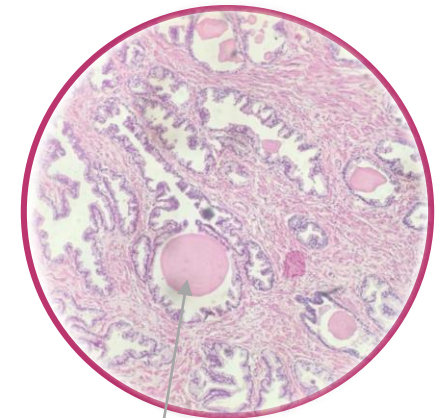
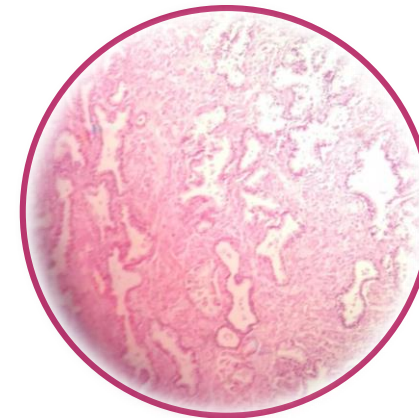
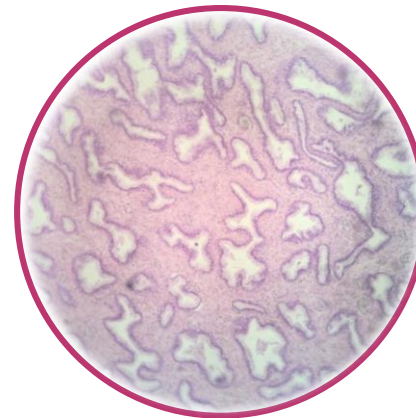
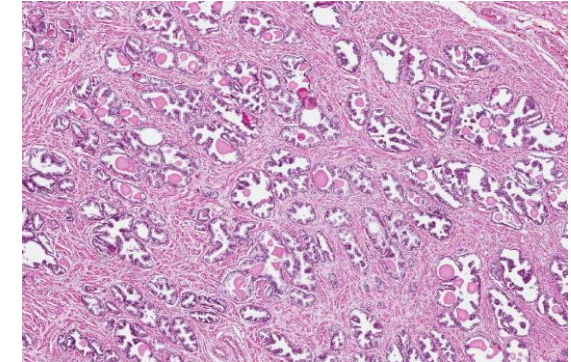
Prostate gland

Q2: What is the type of epithelium in this structure?

Pseudo-stratified columnar or simple columnar epithelium

Q3: What is the feature of this structure?

- Fibromuscular capsule & trabeculae
- Glands in the parenchyma
- Acini and ducts
- Corpora amylacea



Dr. Ibrahim said that the slides in the exam will contain Corpora amylacea
(the slides in the lab did not contain Corpora amylacea)

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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