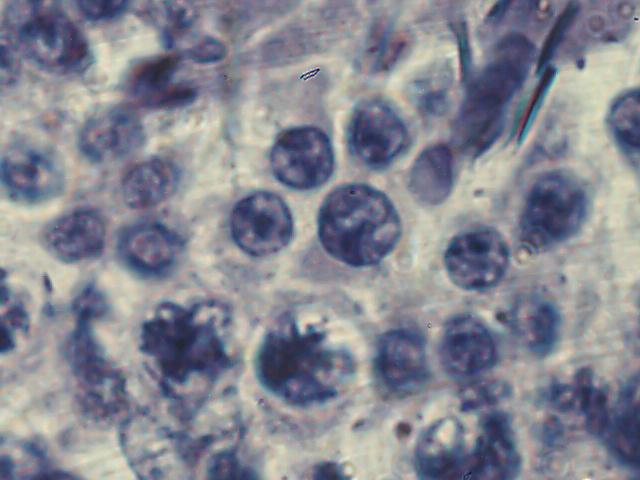
Testes:

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Lec.1

1-Thick connective tissue tunica albuginea surrounded each testes and forms mediastinum, thin connective tissue septa separate the testes to the testicular lobules.

2- Testicular lobules contain coiled seminiferous tubules that are lined by germinal epithelium, germinal epithelium contains spermatogenic cells and sertoli cells(supportive).

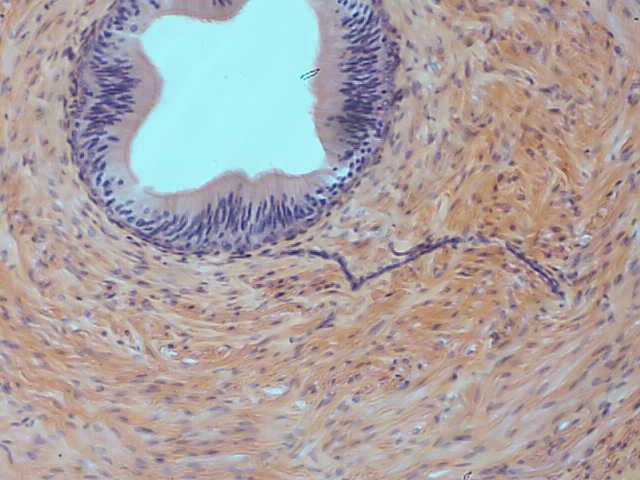
3-Between the seminiferous tubules are testosterone secreting interstitial cells(of leydig).

4-Diffirent stage of Spermatogenesis in seminiferous tubule, primary spermatocytes(1), spermatieds(2) sertoli cells (3)

**1**

**3**

**2**

**Ductus(Vas) deferens:**

1-Narrow and irregular lumen with longitudinal mucosal folds.

**1**

2-Lumen lined by psudostratified columnar epithelium.

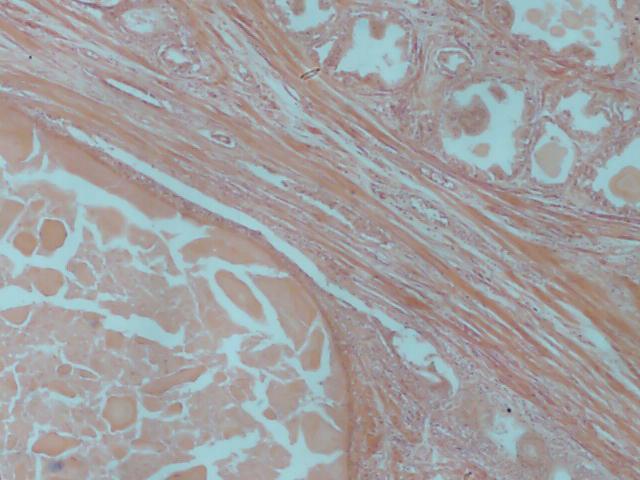
**2**

3-Thick Muscularis layers consists of three layer, inner longitudinal, middle circular ,and outer longitudinal.

**3**

**3**

**3**



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Lec.1

**Prostate gland:**

1-Most of the prostate gland consists of small branched tubuloacinar prostatic glands , some of prostatic glands contain solid secretory aggregation called prostatic concretion.

**1a**

**2**

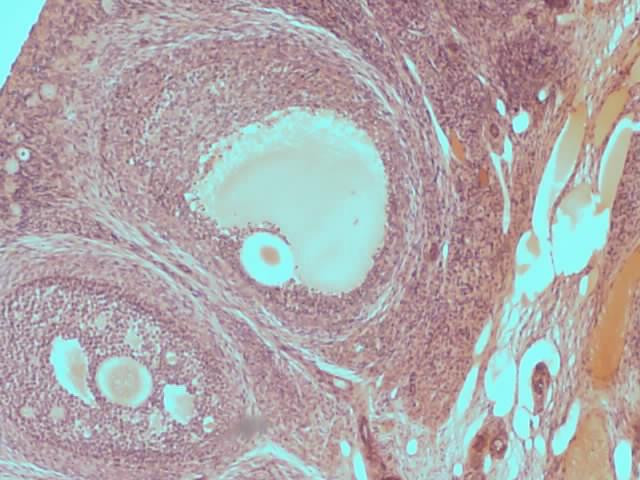
**1**

2-Fibromuscular stroma with smooth muscle bundles are distributed throughout the gland.

**Mature sperm:**

Composed of head ,neck ,middle piece, principle piece , and end piece.

**Ovary:**

1-The ovarian surface is covered by a single layer of cells called germinal epithelium that overlies the dense ,irregular connective tissue tunica albuginea.

2

2-The ovary has a peripheral cortex and a central medulla in which are found numerous blood vessels ,nerve ,lymphatic ,and follicles.

1

3- presence of primary follicles, secondary follicles, and mature follicles(graafian).

3

4-Graafian follicles consists from a-cumulus oophorus b-primary oocyte c-corona radiate d-antrum e-granulosa cells f-theca interna and externa.

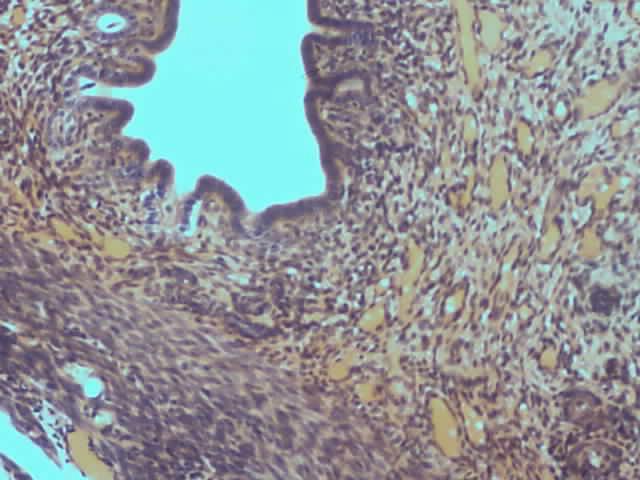
2

3

3

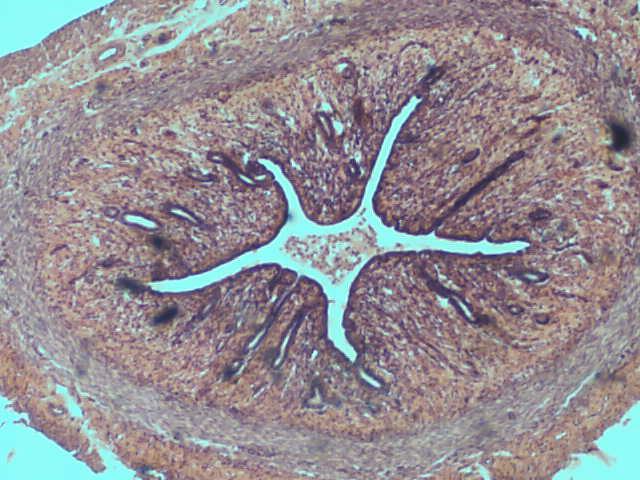
**Practical Histology 2st stage reproductive system Lec.5**

Lec.1



Uterus:

The wall of uterus is composed of three layers, an outer perimetrium lined by serosa or adventitia, thick smooth muscle layer called myometrium ,and inner endometrium the endometrium lined by simple columnar epithelium that descends into lamina propria to form numerous uterine glands.



Oviduct or fallopian tube:

1-The epithelium is simple (some time pseudo stratified)columnar epithelium.

2-Muscular layer consist of two layers of smooth muscle bundles inner circular and outer longitudinal .

3-Artery, vain, and nerve are presence.