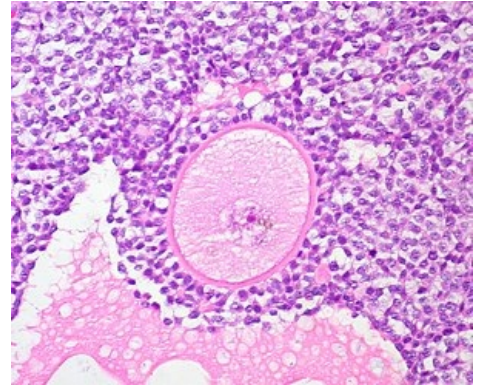


Histology MCQs/Reproductive System



- 1 Which is main tissue of **tunica albuginea testis**?
 - ☐ Reticular connective tissue
 - ☐ Dense connective tissue
 - ☐ Hyaline cartilage
 - ☐ Fibrocartilage
- 2 How many lobules are in one testis?
 - ☐ About 2500
 - ☐ About 250
 - ☐ About 25
 - ☐ About 2
- 3 Tunica vaginalis testis is derived of one distant structure. Which one?
 - ☐ Muscular layer of abdominal wall
 - ☐ Skin of abdominal wall
 - ☐ Peritoneum
 - ☐ Mesentery
- 4 Which cells produce testosterone?
 - ☐ Sertoli cells
 - ☐ Myoidal cells
 - ☐ Leydig cells
 - ☐ Sperms
- 5 Which stage of development of sperm is diploid?
 - ☐ Secondary spermatocyte
 - ☐ Spermatogonia B
 - ☐ Spermatozoon
 - ☐ Spermatid
- 6 Which type of cell adhesion is main adhesion in the blood-testis barriers?
 - ☐ Tight junction
 - ☐ Focal adhesion
 - ☐ Gap junction
 - ☐ Desmosome
- 7 Which proteins **replace histons** in the sperm?
 - ☐ Hyalunidases
 - ☐ Protamines
 - ☐ Occludins
 - ☐ Desmins
- 8 During which phase of spermiogenesis are shed residual bodies?
 - ☐ Maturation phase
 - ☐ Acrosomal phase
 - ☐ Golgi phase
 - ☐ Cap phase
- 9 Which hormone is produced by Sertoli cells?
 - ☐ Testosterone
 - ☐ Inhibin

- ☐ FSH
- ☐ LH

10 How many ducts does contain one epididymis?

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

11 Which specialization of apical pole do have principal cells of epididymis?

- ☐ Brush border
- ☐ Stereocilia
- ☐ Microvilli
- ☐ Kinocilia

12 Pampiniform plexus:

- ☐ Is an arterial plexus in a spermatic cord
- ☐ Is an arterial plexus in an epididymis
- ☐ Is a venous plexus in a spermatic cord
- ☐ Is a venous plexus in an epididymis

13 In which structure is produced main volume of the ejaculate?

- ☐ Seminal vesicles
- ☐ Prostatic gland
- ☐ Epididymis
- ☐ Testis

14 Which of following molecules **is not produced** by seminal vesicles?

- ☐ Prostaglandins
- ☐ Testosterone
- ☐ Fibrinogen
- ☐ Fructose

15 Glands in the prostate are:

- ☐ Simple tubular
- ☐ Coiled tubular
- ☐ Tuboacinar
- ☐ Acinar

16 What is main function of PSA (**prostatic specific antigen**)?

- ☐ Intracellular signalling in prostatic epithelial cells
- ☐ Local signalling inside the prostate
- ☐ Liquefaction of coagulated semen
- ☐ Fighting bacteria

17 Of which type are bulbourethral glands (Cowper glands)?

- ☐ Sebaceous glands
- ☐ Endocrine glands
- ☐ Serous glands
- ☐ Mucus glands

18 How to describe tunica albuginea of **corpora cavernosa**?

- ☐ Loose connective tissue with markable amount of reticular fibers
- ☐ Dense connective tissue with markable amount of reticular fibers
- ☐ Loose connective tissue with markable amount of elastic fibers
- ☐ Dense connective tissue with markable amount of elastic fibers

19 Surface epithelium of ovary (germinal epithelium):

- ☐ Stratified cuboidal epithelium

- ☐ Stratified squamous epithelium
- ☐ Simple cuboidal epithelium
- ☐ Simple squamous epithelium

20 Which structure is site of first occurrence of **primordial germ cells**?

- ☐ Gonadal primordia
- ☐ Neural crest
- ☐ Yolk sack
- ☐ Midgut

21 Which statement about primary oocytes is not true?

- ☐ They are produced in surface epithelium of ovary
- ☐ They are surrounded by follicular cells
- ☐ They are formed before the birth
- ☐ They are arrested in meiosis

22 Tunica albuginea of ovary:

- ☐ It is composed of dense connective tissue
- ☐ It is composed of hyaline cartilage
- ☐ It is composed of fibrocartilage
- ☐ It does not exist

23 Primary follicle:

- ☐ Basal lamina of follicular cells is on the border between follicle and ovarian stroma
- ☐ Basal lamina of follicular cells is on the border between oocyte and follicular cells
- ☐ Basal lamina of follicular cells surrounds them from all sides
- ☐ There is no basal lamina in primary follicle

24 Granulosa cells:

- ☐ Granulosa cells are connected through gap junctions
- ☐ Granulosa cells are derived from ovarian stroma
- ☐ Granulosa cells produce FSH
- ☐ Granulosa cells produce LH

25 Follicular theca interna:

- ☐ Theca interna has the same function as theca externa
- ☐ Cells of theca interna are part of corona radiata
- ☐ Theca interna is derived from ovarian stroma
- ☐ Theca interna is derived from granulosa

26 What is an atresia?

- ☐ Physiological process of dying of minor part of oocytes
- ☐ Physiological process of dying of main part of oocytes
- ☐ Pathological process of dying of oocytes
- ☐ Pathological overproduction of oocytes

27 What is main material of zona pellucida?

- ☐ Glycoproteins of a hyaline cartilage
- ☐ Reticular epithelium
- ☐ Unique glycoproteins
- ☐ Unique lipids

28 Which compound is not present in the follicular fluid?

- ☐ Hyaluronic acid
- ☐ Heparan sulfate
- ☐ Plasminogen
- ☐ Glycogen

29 Which cells give rise to the **corpus luteum**?

- ☐ Cells of theca folliculi interna and theca folliculi externa
- ☐ Cells of granulosa and theca folliculi interna
- ☐ Cells of theca folliculi interna only
- ☐ Cells of granulosa only

30 What is main tissue of **corpus albicans**?

- ☐ Dense connective tissue
- ☐ Loose connective tissue
- ☐ Trabecular epithelium
- ☐ Hyaline cartilage

31 Ciliated cells in the Fallopian tube (oviduct):

- ☐ Are one of two epithelial cell types in the Fallopian tube
- ☐ We have no ciliated cells in the Fallopian tube
- ☐ Are also called peg cells
- ☐ All cells are ciliated

32 Myometrium:

- ☐ Myometrium is composed of smooth muscle cells and contains only low amount of blood and lymphatic vessels
- ☐ Myometrium is composed of skeletal muscle and contains only low amount of blood and lymphatic vessels
- ☐ Myometrium is composed of smooth muscle cells and contains numerous venous plexuses and lymphatics
- ☐ Myometrium is composed of skeletal muscle and contains numerous venous plexuses and lymphatics

33 Epithelium of endometrium:

- ☐ Stratified columnar
- ☐ Stratified squamous
- ☐ Simple columnar
- ☐ Simple squamous

34 Straight arteries of the endometrium:

- ☐ Supply the functional layer only
- ☐ Supply the basal layer only
- ☐ Supply both layer only
- ☐ There is no structure called "straight artery" in the endometrium

35 Which striking event starts the ovulation?

- ☐ Drop of progesterone
- ☐ Drop of estrogene
- ☐ Peak of FSH
- ☐ Peak of LH

36 Which is an epithelium of vagina?

- ☐ Stratified squamous non-keratinizing
- ☐ Stratified squamous keratinizing
- ☐ Stratified columnar
- ☐ Simple columnar

37 During which phase of meiosis I occur connections of sister chromatids called synapses?

- ☐ Leptotene
- ☐ Pachytene
- ☐ Diplotene
- ☐ Zygotene

38 In which stage of cell cycle is arrested oocyte **before the puberty**?

- ☐ G0 phase of common cell cycle
- ☐ Diplotene of meiosis I
- ☐ Pachytene of meiosis II
- ☐ Leptotene of meiosis I

39 Mammary gland:

- ☐ The development is completed at the end of the pregnancy
- ☐ The development is completed at the end of the puberty
- ☐ The development is completed during early childhood
- ☐ The development is completed before the birth

40 Which type of secretion takes place during the production of milk?

- ☐ Merocrine, apocrine and holocrine
- ☐ Merocrine and holocrine
- ☐ Apocrine and holocrine
- ☐ Merocrine and apocrine

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