

Histology MCQs/Endocrine Glands

1 Which of following statements describes endocrine glands best?

- Endocrine glands are composed of trabecular epithelium
- Endocrine glands have no striated ducts
- Endocrine glands have no ducts
- Endocrine glands are avascular

2 Which structure gives rise the adenohypophysis?

- Ebner's glands
- Rathke's pouch
- Diencephalon
- Hypothalamus

3 Which structure contains cells producing ADH (antidiuretic hormone)?

- Infundibulum of hypophysis
- Adenohypophysis
- Neurohypophysis
- Hypothalamus

4 In the hypothalamic-hypophyseal portal system, we have a vessel between two capillary networks. Which type of vessel is it?

- Both arteries and veins in similar amount
- Mainly veins, occasionally arteries
- Artery
- Vein

5 Which of following statements about cells of adenohypophysis is true?

- Chromophobic cells belong to the immune system
- Chromophilic cells are hormone-producing cells
- Chromophobic cells are ACTH-producing cells
- Chromophilic cells produce oxytocin

6 Which statement about the suprarenal gland is true?

- Cells in medulla produce norepinephrin (noradrenalin)
- Cells in medulla produce glucocorticoids
- Cells in cortex produce dopamine
- Cells in cortex produce TSH (thyroid-stimulating hormone)

7 Cells of cortex of the suprarenal gland have conspicuous morphological property. Which one?

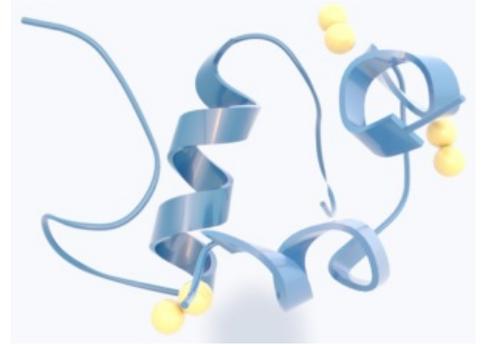
- Their rough endoplasmic reticulum is tubular
- Their mitochondria have tubular crists
- Their Golgi apparatus is swollen
- Their nucleus has two lobes

8 Which order of layers of cortex of the adrenal gland is correct (from the surface to the medulla):

- Zona glomerulosa - zona reticularis - zona fasciculata
- Zona reticularis - zona glomerulosa - zona fasciculata
- Zona glomerulosa - zona fasciculata - zona reticularis
- Zona reticularis - zona fasciculata - zona glomerulosa

9 Which statement about suprarenal gland is true?

- There are no androgen-producing cells in the suprarenal gland
- Aldosteron-producing cells are derived from neural crest



Structure of insulin

- Cortex and medulla are of the same embryonic origin
- Chromaffin cells are derived from neural crest

10 Which cells of islets of Langerhans produce insulin?

- α cells (A cells)
- β cells (B cells)
- δ cells (D cells)
- PP cells

11 Which molecule is main compound of colloid in thyroid gland?

- Glycoprotein called thyreoglobulin
- Lipoprotein called thyreoglobulin
- Glycoprotein called thyroxin
- Lipoprotein called thyroxin

12 Which type of epithelium is epithelium composed of follicular cells (thyrocytes) in the thyroid gland?

- Stratified squamous to simple columnar epithelium
- Simple squamous to simple columnar epithelium
- Pseudostratified columnar non-ciliated
- Trabecular epithelium

13 Hormones produced by the thyroid gland contain unique chemical part. Which one?

- Strontium
- Iodine
- Cesium
- Cobalt

14 Which hormone is produced by parafollicular cells (C cells) of thyroid gland?

- Somatostatin
- Calcitonin
- ACTH
- PTH

15 How many parathyroid glands do we usually have?

- 2
- 4
- 6
- 10

16 Which type of cells forms supportive structure of the pineal gland?

- Reticular connective tissue
- Loose connective tissue
- Reticular epithelium
- Astrocytes

17 What is main function of glucagon?

- Raises production of glucocorticoids
- Lowers production of glucocorticoids
- Raises blood level of glucose
- Lowers blood level of glucose

18 What is main function of mineralocorticoids?

- Stimulate reabsorbtion of calcium and secretion of phosphates in large intestine
- Stimulate reabsorbtion of natrium and secretion of potassium in large intestine
- Stimulate reabsorbtion of calcium and secretion of phosphates in kidney
- Stimulate reabsorbtion of natrium and secretion of potassium in kidney

19 What is main function of thyroxine?

- Increases production of sex hormones
- Regulates circadian rhythms
- Increases metabolic rate
- Increases storage of fat

20 Which cells are destroyed in type I diabetes mellitus?

- α cells (A cells)
- β cells (B cells)
- δ cells (D cells)
- Type I diabetes is not caused by loss of certain cell type

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Links

- List of all tests: Histology MCQs
- Portal:Histology