

Lec 1 Histo endo

Quiz on "L1 Pituitary"

1. Which of the following cells in the anterior pituitary secrete growth hormone?

- a. Corticotrophs
- b. Gonadotrophs
- c. Somatotrophs
- d. Thyrotrophs

Answer: c. Somatotrophs

2. Which part of the pituitary gland is highly vascular and stains acidophilic?

- a. Pars nervosa
- b. Pars intermedia
- c. Pars distalis
- d. Infundibular stalk

Answer: c. Pars distalis

3. Chromophobic cells in the pituitary gland are:

- a. Acidophils
- b. Basophils
- c. Undifferentiated reserve cells
- d. Full of specific granules

Answer: c. Undifferentiated reserve cells

4. Mammotrophs are responsible for secreting:

- a. FSH
- b. LH
- c. Prolactin
- d. ACTH

Answer: c. Prolactin

5. Which of the following causes gigantism if secreted in excess before puberty?

- a. Prolactin
- b. Oxytocin
- c. ACTH
- d. Growth hormone

Answer: d. Growth hormone

6. Herring bodies are found in:

- a. Pars distalis
- b. Pars tuberalis
- c. Pars nervosa
- d. Pars intermedia

Answer: c. Pars nervosa

7. Thyrotrophs secrete:

- a. Oxytocin
- b. Thyroid stimulating hormone
- c. Growth hormone
- d. Prolactin

Answer: b. Thyroid stimulating hormone

8. Which hormone promotes milk ejection during nursing?

- a. Vasopressin
- b. Prolactin
- c. Oxytocin
- d. FSH

Answer: c. Oxytocin

9. Which hormone increases water reabsorption in kidney collecting tubules?

- a. ACTH
- b. Vasopressin
- c. Oxytocin
- d. LH

Answer: b. Vasopressin

10. Destruction of the pars nervosa leads to:

- a. Diabetes mellitus
- b. Acromegaly
- c. Diabetes insipidus
- d. Cushing syndrome

Answer: c. Diabetes insipidus

11. What type of epithelium is found in the anterior pituitary?

- a. Columnar
- b. Squamous
- c. Cuboidal
- d. There is no typical epithelium, but cords of hormone-secreting cells

Answer: d. There is no typical epithelium, but cords of hormone-secreting cells

12. Gonadotrophs secrete which of the following?

- a. ACTH
- b. TSH
- c. FSH and LH
- d. Prolactin

Answer: c. FSH and LH

13. Which of the following is true regarding basophils in the anterior pituitary?

- a. Stain well with H&E
- b. Have protein granules
- c. Stain well with PAS
- d. Are smallest cells

Answer: c. Stain well with PAS

14. Pituicytes function as:

- a. Hormone-producing cells
- b. Neuroglia cells
- c. Blood cells
- d. Stem cells

Answer: b. Neuroglia cells

15. Corticotrophs produce:

- a. GH
- b. Oxytocin
- c. ACTH
- d. LH

Answer: c. ACTH

16. Which cells are stained with orange G and called orangophils?

- a. Gonadotrophs
- b. Somatotrophs
- c. Mammotrophs
- d. Chromophobes

Answer: b. Somatotrophs

17. What happens to corticotrophs after adrenalectomy?

- a. Decrease in size
- b. Increase in number and size
- c. No change
- d. Undergo necrosis

Answer: b. Increase in number and size

18. Which structure connects the pituitary gland to the brain?

- a. Pars intermedia
- b. Pituicyte
- c. Infundibular stalk
- d. Optic chiasm

Answer: c. Infundibular stalk

19. The hormone responsible for stimulating the thyroid gland is:

- a. T3
- b. T4
- c. TSH
- d. ACTH

Answer: c. TSH

20. Acidophilic cells of the anterior pituitary include:

- a. Thyrotrophs and Corticotrophs
- b. Gonadotrophs and Mammatrophs
- c. Somatotrophs and Mammatrophs
- d. Chromophobes and Somatotrophs

Answer: c. Somatotrophs and Mammatrophs