



ENDOCRINE SYSTEM

PAST PAPERS

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Endocrine 020 med exam

Anatomy

1: Regarding suprarenal gland, which is not correct:

- A-located retroperitoneal
- B-located at the level of 11th rep
- C-IVC is located antromedial to the left adrenal gland

ANS: C

2: Pituitary gland, choose the correct answer:

- A-neurohypophysis has chromophobe and chromophilic cells
- B-neurohypophysis has secretory cells
- C-located lateral to cavernous sinus
- D-pars tuberalis supplied by superior hypophyseal art.

ANS: A

3: Pituitary gland, choose the wrong match:

- A-Bitemporal hemianopsia... pituitary adenoma
- B-craniopharyngioma.... embryonic squamous remnants of Rathke pouch
- C-portal circulation.... pars tuberalis
- D-pars nervosa... diencephalon

ANS: C

4: After the thyroidectomy, the surgeon noticed hoarseness in the patient's voice. Which of the following structure has been affected?

- A-superior thyroid artery
- B-Inferior thyroid artery
- C-external laryngeal nerve
- D-Parathyroid gland

ANS: C

5: The absence of a bright spot in the pituitary gland MRI considers a characteristic of which of the following diseases?

- A-DM
- B-central diabetes insipidus

ANS: B

6: Which if these structures located posteriorly to both right and left suprarenal gland:

Diaphragm

7: Superior thyroid vein drain into:

- A-thyrocervical vein
- B-brachiocephalic vein
- C-External jugular vein
- D-Internal jugular vein

ANS: D

8:Zuckerkandl, NOT TRUE

- A-Secretes epinephrine
- B-Near IMA
- C-largest collection of chromaffin cells outside the adrenals
- D-Major catecholamine secreting first year of life
- E-Prominent in fetus

ANS: A

9: Dull sound after testing the manubrial area....most possible diagnose

- A- thyroglossal cyst
- B- retrosternal goiter
- C- branchial cyst

ANS: B

10: The wrong statement regarding thyroid gland :

Para follicular cells from fourth pouch

11: Which of the following doesNot involve in Sheehan syndrome:

- A- uterine bleeding of none pregnant women
- B- pregnancy
- C- Spams of infundibular arteries
- D- Lactotroph hyperplasia

ANS: A

Physiology

12:Which of the following regarding vitamin d is incorrect

- A- Vitamin D2 & D3 are prohormones
- B-Both undergo identical processing
- C-Both are needed for health
- D-D2 & D3 have almost the same efficiency
- E-24,25-OH₂ D is used to dispose of excess vitamin D

ANS: D

13:Which of the following isn't considered a physiologic factor of Aldosterone secretion

- A-Angiotensin I
- B-Angiotensin III
- C-Angiotensin II
- D-Elavated potassium concentration
- E-ACTH

ANS: A

14: insulin increases glucose uptake in all of these following tissues ,except :

- A-cardiac muscle
- B- smooth muscles
- C-leukocytes

D- erythrocytes
E- islets of Langerhans

ANS: D

15: all of these statements regarding Na⁺ reabsorption is correct, except:

A- angiotensin 2 causes efferent arteriole constriction which has 2 effects
B- one of these 2 effects that it causes constriction of efferent arteriole which decreases hydrostatic pressure and raises filtration fraction

ANS: B

16: All of the following are related to glucose regulation, except

A-glucagon
B-insulin
C-T4
D-GH
E-estrogen

ANS: E

17: the relationship between t4 at normal conc. with GH on protein synthesis :

A-antagonistic
B-synergistic
C-antagonistic and synergistic
D-permissive
E-permissive and synergistic

ANS: D

18: which of the following is not secreted by basophilic cell:

A-LH
B-TSH
C-ACTH
D-GH
E-FSH

ANS: D

19: Which one of the following is a major regulator for potassium concentration within the serum :

- A-Glucagon
- B-Cortisol
- C-Insulin
- D-ADH
- E-T4

ANS: C

20: All of the following are correct regarding adrenocortical hormones ,except

- A-they are regulated primarily by ACTH
- B-all of them use intracellular receptors
- C-all are derived from cholesterol
- D-all are steroids

ANS: A

21: About Calcium serum regulation, what is the wrong statement?

- A- its concentration is highly regulated and should be within the range of 9-11mg/dL
- B-Calcium blood levels are regulated by PTH and hormone D only
- C-Bone is the main reservoir for Calcium
- D-Heart stop and breathe cease when there is a slight difference
- E-Significant differences from the normal level of calcium in the blood can be fatal

ANS: B

22: Which hormone isn't released from anterior Pituitary gland

- A- FSH
- B- LH
- C- Dopamine
- D- Prolactin
- E- ACTH

ANS: C

23: The chemical nature of vitamin D is

- A- Tyrosine derivative
- B- Tripeptide
- C- Steroid
- D- Peptide
- E- Protein

ANS: C

24: One of the following types of thyroid abnormalities goiter does not occur

- A- Hyperthyroidism secondary to excess hypothalamic or anterior pituitary secretion
- B- Hyperthyroidism due to lack of Iodine
- C- Hyperthyroidism due to hypersecreting thyroid tumor
- D- Hyperthyroidism due to TSI
- E- Hyperthyroidism due to primary failure of thyroid gland

ANS: C

25: Which of the following hormones doesn't use CAMP as a second messenger?

- A- PTH
- B- calcitonin
- C- oxytocin
- D- glucagon
- E- TSH

ANS: C

26: Which of the following hormones need calcium for its secretion:

- A- GH
- B- T4
- C- cortisol
- D- insulin
- E- somatomedren

ANS: D

27: Which hormone is required for normal function for the growth hormone

- A- Insulin
- B- Somatomedin
- C- T3
- D- T4

ANS: A

thyroid follicles كان في سؤال عن ال

thyroid hormones stored in follicular cells الخيارات

some tyrosine can't be bond with iodine او

after thyroid hormone synthesis it goes to thyroglobulin او