

# Endocrine

دفعة وثين



الطبيب الجراحة  
لجنة

1) Pars distalis is the ? *Histology*

- A) anterior pituitary
- B) posterior pituitary
- C) infundibulum
- D) pituitary stalk

**Answer: A**

2) Pars nervosa is the? *الجهاز العصبي*

- A) anterior pituitary
- B) posterior pituitary
- C) infundibulum
- D) pituitary stalk

**Answer: B**

3) Protruding tongue and umbilical hernia are symptoms of??

- A) Hashimoto thyroiditis
- B) De Quervain thyroiditis
- C) Subacute lymphocytic thyroiditis
- D) Cretinism

**Answer: D**

*Histology*

4) Neurohypophysis?

- A) pars distalis
- B) pars tuberalis
- C) pars nervosa

**Answer: C**

**5) Right adrenal gland anteriorly related to ?**

**A)body of pancreas**

**B)liver**

**C)Diaphragm**

**D)kidney**

**Answer: B**

**6) Superior to the pituitary gland?**

**A)diaphragma sellae**

**B)sphenoid air sinus**

**C)dorsum sellae**

**D)pons and basilar artery**

**Answer: A**

**7) All Treatment of hypercalcemia except?**

**A)calcitonin**

**B)Bisphosphonate**

**C)phosphate**

**D)PTH**

**Answer: D**

**8) All Treatment of hypocalcemia except?**

**A)calcium(iv or oral)**

**B)Vit.D**

**C)PTH**

**D)calcitonin**

**Answer: D**

9) All Treatment of osteoporosis except?

A) calcitonin

B) Estrogen replacement therapy

C) Dietary Ca supplements & Vit. D

D) PTH

**Answer: D**

10) Which of the following polypeptide loops connect the domains (H3 & H4) in GPCRs??

A) C3

B) E2

C) E1

D) C2

**Answer: D**

11) All are true according to the gonadotropin toxicity and contraindication except?

A) multiple pregnancies

B) Headache

C) edema and depression

D) ovarian hypostimulation syndrome

**Answer: D**

12) IP<sub>3</sub>-gated channel (receptor) composed of \_ large identical subunit.

A) 1

B) 3

C) 2

Bohem 2

D)4

*Embryology*

**Answer: D**

13) The origin of adrenal cortex:

A)coelomic epithelium

B)neural crest

C)copula of His

D)1st pouch between tuberculum impar

**Answer: A**

14) All of the following are true according to the hyperglycemia during pregnancy except??

A)defined by the same criteria as in non pregnant person

B)consider as a risk factor for developing T2DM

C)Diagnosed at glucose cut-off points that are higher than those for diabetes

**Answer: A**

15) According to the Waterhouse friderichsen syndrome all are true except?

A)grossly, the adrenals are hemorrhagic and shrunken

B)in histo ,little residual cortical architecture is discernible

C)always unilateral

D)in infant with overwhelming sepsis

**Answer: C**

*Pharmacology*

16) All are correct about Ganirelix except?

A)absorbed rapidly

B)given orally

**C)preventing the LH surge during controlled ovarian hyperstimulation**

**D) can cause nausea and headache**

**Answer: B**

**17) All of the following Adverse effect of carbimazole except?**

**A)rash**

**B) liver damage**

**C)arthralgia**

**D)granulocytosis**

**Answer: D**

**Histology**

**18) Calcitonin is secreted from?**

**A)chief cells**

**B)islet of langerhans**

**C)parafollicular cells(c-cells)**

**D)oxyphil cells**

**Answer: C**

**19) According to the steroid nucleus all are true except?**

**A)4 rings(A,B,C,D)**

**B)composed of 17 carbon atoms beside 2 methyl groups**

**C) there is a methyl group at C17**

**D)there is methyl group at C13**

**Answer: C**

**20) Deficiency in 21-hydroxylase can lead to all of the following except?**

**A)Excess adrenal androgens**

**B)Deficiency in cortisol and aldosterone**

**C) Ambiguous genitals**

**D) adrenogenital syndrome**

**Answer:**

**21) According to the cholesterol all true except?**

**A) has 2 methyl group (one of them between (A,B) ring and another between (C,D) ring**

**B) eight -carbon branched hydrocarbon chain attached to C17 of the D ring**

**C) Ring A has hydroxyl group at C3**

**D) Ring B has double bond between C6 & C7**

**Answer: D**

**22) All are true according to the adverse effects of thyroid hormones except?**

**A) Muscle pain (myalgia)**

**B) Anginal attacks**

**C) Headache**

**D) hyperthyroidism**

**E) Arrhythmias**

**Answer: B**

**Histology**

**23) Outer part of the adrenal cortex?**

**A) Z. glomerulosa**

**B) Z. fasciculata**

**C) Z. reticularis**

**Answer: A**

**Histology**

**24) Inner part of the adrenal cortex?**

**A) Z. glomerulosa**



B) *Z. fasciculata*

C) *Z. reticularis*

Answer: C

Pharmacology

25) All are true about the soluble insulin except?

A) short duration of action

B) used 30m before meals

C) given 3 times per day

D) given (IM) in diabetic ketoacidosis

Answer: D

Pathology

26) All are mass effect of pituitary adenoma except ??

A) elevated intracranial pressure

B) hypopituitarism

C) cranial nerve palsy

D) symptoms of hormone production

E) visual field abnormalities

Answer: D

27) Energy rich molecule?? Metabolism

A) NADH\FADH<sub>2</sub>

B) phosphoenolpyruvate

C) 1,3-bisphosphoglycerate

D) 1,3-diphosphoglycerate

Answer: A

Metabolism Glycolysis 2

28) The enzyme that is inhibited by fluoride?

A) Fumarase



- B) Enolase
- C) malate dehydrogenase
- D) pyruvate kinase

**Answer: B**

29) According to the reactant in gluconeogenesis all are true except?

- A) 2 pyruvate *metabolism*
- B) 2 NAD
- C) 4 ATP
- D) 4 Pi
- E) 2 GTP

**Answer: D**

30) Total ATP molecules in the liver ?? *metabolism*

- A) 28
- B) 30
- C) 32
- D) 34

**Answer: C**

31) The following reaction or step is reversible? *Metabolism Glycolysis*

Select one:

- A) AcetylCoA formation reaction
- B) Formation of pyruvate from phosphoenolpyruvate
- C) Phosphorylation of fructose-6-phosphate to fructose 1,6 bisphosphate
- D) Cleavage of fructose 1,6 bisphosphate by aldolase enzyme
- E) Phosphorylation of glucose to glucose-6-phosphate

**Answer: D**

32) For chylomicrons, the major lipid is? *Biochem 8*

- A) Free fatty acids
- B) Cholesterol esters
- C) Cholesterol
- D) Triglycerides
- E) Phospholipids

**Answer: D**

33) Hemolytic anemia occurs in patients who are diagnosed with favism only when they eat? *Metabolism PPP*

- A) Broad beans
- B) Meat
- C) Bread
- D) Bananas
- E) Rice

**Answer: A**

34) Favism is caused by deficiency in? *Metabolism PPP*

- A) Glycogen synthase
- B) Fructokinase
- C) Galactokinase
- D) G6PD
- E) Glucokinase

**Answer: D**