

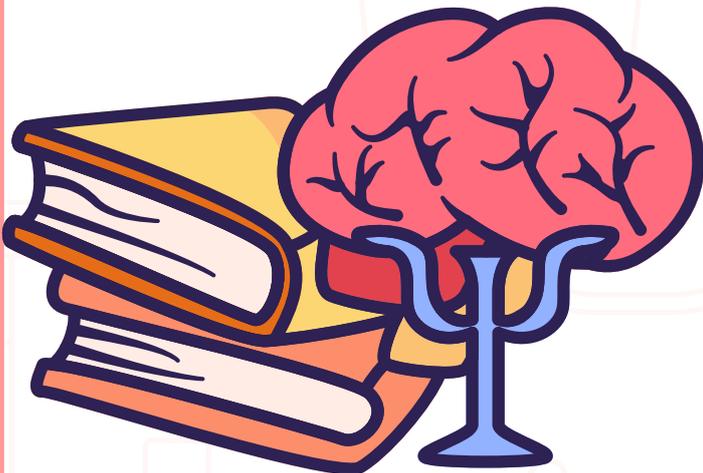
# ENDOCRINE

MID ARCHIVE

Shaghaf

Done by:-

Zaid frahat



# endocrine

Hyperpituitarism could be caused by all of the following except

- A- Hyperplasia
- B- Dysplasia
- C- Carcinoma
- D- Hypothalamic stimulation
- E- Pituitary heterotopia

Answer:b

Which of the following is a non sequence relationship between hypothalamus and ? pituitary gland hormones

- A- Estradiol - Prolactin
- B- Dopamine - Prolactin
- C- TRH - TSH
- D- ACTH - CRH
- E- GnRH - FSH

Answer:a

Converting Dihydroxyphenylalanine to Epinephrine includes :

- A- Decarboxylation of tyrosine ring , Hydroxylation and Methylation of Tyrosine Side chain
- B- Decarboxylation , Hydroxylation , Methylation of Tyrosine Side chain
- C- Decarboxylation , Hydroxylation of Tyrosine ring , Methylation of Side chain

Answer:b

Inferior thyroid artery originates directly from :

- A- Thyrocervical Trunk
- B- Subclavian artery
- C- External carotid artery
- D- Internal thoracic artery

Answer:a

: Lateral relation of Pituitary gland

- A- Cavernous Sinus
- B- Diphragma Sellae
- C- Dorsa Sellae
- D- Basilar artery

Answer:a



# endocrine

Which of the following anterior pituitary hormones plays a major role in the regulation of a nonendocrine target gland

- A) Adrenocorticotrophic hormone
- B) Thyroid-stimulating hormone
- C) Prolactin
- D) Follicle-stimulating hormone
- E) Luteinizing hormone

Answer: C

A woman visits her doctor due to severe inflammation and is prescribed prednisolone to manage her condition. After a few days of taking the medication, she falls and breaks her hip bone. What is the most likely cause of her fracture

- A. Increased muscle strength
- B. Enhanced bone density
- C. Inhibit bone formation
- D. Improved balance
- E. Enhanced calcium absorption

Answer: C

One of the following will inhibit prolactin secretion:

- A. Bromocriptine
- B. Ganirelix
- C. Gonadorelin
- D. Growth hormone
- E. Leuprolide

Answer: A

All of the following are features of diabetic retinopathy except

- A) Advanced proliferative retinopathy
- B) Retinal hemorrhages
- C) Neovascularization
- D) Tractional retinal detachment
- E) Transudate

Answer: E



# endocrine

Which of the following enzymes acts opposite to Adenylyl cyclase by breaking down cAMP into AMP?

- A) Protein kinase A
- B) Phosphodiesterase
- C) Guanylyl cyclase
- D) G protein

answer: B) Phosphodiesterase

Which enzyme catalyzes the carboxylation of pyruvate to maintain oxaloacetate levels in the citric acid cycle?

- A) Pyruvate dehydrogenase
- B) Pyruvate carboxylase
- C) Citrate synthase
- D) Malate dehydrogenase

Answer: B) Pyruvate carboxylase

Which of the following statements is correct?

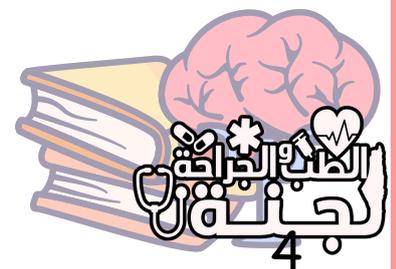
- A) PTH is contraindicated in osteosarcoma
- B) PTH decreases blood calcium levels
- C) PTH stimulates bone formation only
- D) PTH inhibits calcium reabsorption in the kidney

Answer: A) PTH is contraindicated in osteosarcoma

From one acetyl-CoA molecule, what are the net products of a single turn of the citric acid (Krebs) cycle?

- A) 1 NADH, 2 FADH<sub>2</sub>
- B) 3 NADH, 1 FADH<sub>2</sub>
- C) 3 NADH, 0 FADH<sub>2</sub>
- D) 2 NADH, 2 FADH<sub>2</sub>

Answer: B) 3 NADH, 1 FADH<sub>2</sub>



# endocrine

Which enzyme is most useful in the diagnosis of cholestasis?

- A) Alanine aminotransferase (ALT)
- B) Aspartate aminotransferase (AST)
- C) Gamma-glutamyl transferase (GGT)
- D) Lactate dehydrogenase (LDH)

Answer: C) Gamma-glutamyl transferase (GGT)

?Which of the following diseases does not affect patients with gravis

- A) Rheumatoid arthritis
- B) Systemic lupus erythematosus
- C) Ulcerative colitis
- D) Thyroid disease

Answer: C) Ulcerative colitis

Why is excessive fructose consumption more likely to cause obesity compared to  
?glucose

- A) Fructose stimulates insulin secretion more strongly
- B) Fructose bypasses the regulatory rate-limiting step of glycolysis (phosphofruktokinase-1)
- C) Fructose cannot be metabolized in the liver
- D) Fructose is directly converted into glycogen

Answer: B) Fructose bypasses the regulatory rate-limiting step of glycolysis (phosphofruktokinase-1)

:All of the following are true about hexokinase, except

- A) It has a high affinity (low  $K_m$ ) for glucose
- B) It is inhibited by glucose-6-phosphate
- C) It works on carbon atom number 1 of glucose
- D) It is present in most tissues

Answer: C) It works on carbon atom number 1 of glucose

