



Endo – physiology

Archive

Lecture 1

hypothalamic. Pituitary relationship

Done by :

Tuqa al- massaeed

physio -lecture (1)

1. The hypothalamo - hypophysial portal system carries hormones from the? Select one:

- A. Brain to thyroid gland
- B. Anterior pituitary to the hypothalamus
- C. Hypothalamus to the posterior pituitary
- D. Posterior pituitary to the hypothalamus
- E. Hypothalamus to the anterior pituitary/

answer: e

2. Which of the following not produce by anterior pituitary ?

- A. TSH
- B. FSH
- C. GH
- D. Prolactin
- E. ADH /

Ans:e

3. Which of the following not secreted by anterior pituitary P

- A. TSH
- B. ACTH
- C. FSH
- D. Oxytocin /

Answer:d

4. 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

physio -lecture (1)

5. All of the following are affected by inhibitory and stimulatory hormones of the hypothalamus except:

except:

A - Prolactin.

B - TSH.

C - MSH.

E - ESH.

answer : c

6. Which of the following statements is correct:

A - Short loop feedback means physiological effect itself inhibits the secretion of the gland itself.

B - Long loop feedback means control by the hormones of the effector organ.

C - Long loop feedback means physiological effect itself inhibits the secretion of the gland itself.

D - Short loop feedback means control by the hormones of the effector organ.

E - Ultra short feedback means control by the pituitary hormones themselves.

Answer: b

physio -lecture (1)

7. Which is correct about connection between hypothalamus and pituitary gland :

- A- Vascular connection between hypothalamus and anterior pituitary in the form of hypothalamo-hypophyseal tract.
- B- Vascular connection between hypothalamus and anterior pituitary in the form of hypothalamo-hypophyseal portal circulation.
- C- Nervous connection between hypothalamus and anterior pituitary in the form of hypothalamo-hypophyseal portal circulation.
- D- Vascular connection between hypothalamus and posterior pituitary in the form of hypothalamo-hypophyseal tract.
- E- Nervous connection between hypothalamus and posterior pituitary in the form of Hypothalamo-hypophyseal portal circulation.

Answer: b

physio -lecture (1)

8. All of the following increase after taking glucocorticoid except :

- A - Histamine.
- B- Blood pressure.
- C- Glucose.
- D- Plasma lipids.

answer: a

9. One of the following will inhibit prolactin secretion :

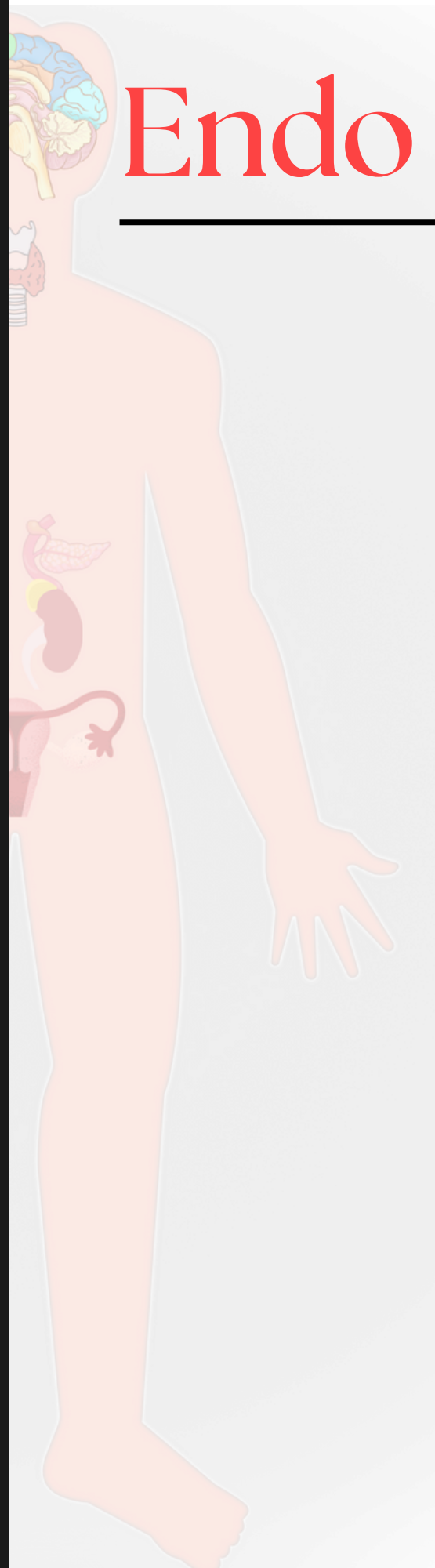
- A - Bromocriptine.
- B- Ganirelix.
- C- Gonadorelin.
- D- Growth hormone.
- E- Leuprolide.

answer : a

10. Which of the following inhibit growth hormone secretion from hypothalamus :

- A - Stress.
- B- Starvation.
- C- Hypoglycemia.
- D- Sleep.
- E- Somatomedin. Somatostatin

answer: e



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Lecture 2

Anterior pituitary

Done by :

Alaa hdayat

physio -lecture (8)

1. Which of the following inhibit growth hormone secretion from hypothalamus :

- A- Stress.
- B- Starvation.
- C- Hypoglycemia.
- D- Sleep.
- E- Somatomedin.

Answer: E

2) All of the following increase after taking glucocorticoid except :

- A- Histamine.
- B- Blood pressure.
- C- Glucose.
- D- Plasma lipids.

Answer: A

3- All of the following affect by Inhibitory and stimulatory hormones of hypothalamus except :

- A- Prolactin.
- B- TSH.
- C- MSH.
- D- LH.
- E- FSH.

Answer: C

physio -lecture (8)

4. Which of the following not produce by anterior pituitary ?

- A. TSH
- B. FSH
- C. GH
- D. Prolactin
- E) ADH

Answer: E

5- Which of the following not secreted by anterior pituitary ?

- A. TSH
- B. ACTH
- C. FSH
- D) Oxytocin E. PRL

Answer: D

6- The hypothalamo - hypophyseal portal system carries hormones from the?

Select one:

- A. Brain to thyroid gland
- B. Anterior pituitary to the hypothalamus
- C. Hypothalamus to the posterior pituitary
- D. Posterior pituitary to the hypothalamus
- E) Hypothalamus to the anterior pituitary

Answer: E

physio -lecture (8)

7_ All of the following is affected by inhibitory and stimulatory hormones of hypothalamus except ?

A) Thyrotropic hormones

8_ 1 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

وراء كلّ همسة خوف، صرخة إيمان تُناديك: **أنت قادر!



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Lecture 3

Thyroid gland

Done by :

Alaa hdayat

physio -lecture (8)

1. Thyroxin responsible for :

- A- Increase peripheral resistance.
- B- Increase number of beta receptor.
- C- Decrease pulse pressure.
- D- Causes diuresis and decrease excretion of potassium in urine.
- E- Inhibit conversion of B-carotens to vitamin A.

Answer: B

2) All of the following associated with hypothyroidism except :

- A) weight gain
- B) cold intolerance
- C) slow heartbeat
- D) nervousness

Answer: D

3- All Adverse effects of thyroid hormones, except ?

- A) tachycardia
- B) ~ Anginal attacks
- C) Hyperthyroidism with high doses
- D) Arthralgia

Answer: D

physio -lecture (8)

4.thyrocalcitonin is secreted by:

- A) ante...rior pituitary
- B) hypothalamus *
- C) thyroid
- D) parathyroid
- E) adrenal

Answer: c

6-59)The goiter :

- A.increase the function of thyroid gland
- B)increase the size of thyroid gland *
- C. increase the function and size of thyroid gland

Answer:B

physio -lecture (8)

8_12) 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

التحديات ليست سوى حجارة تُصقل بها عزيמתك،
والفشل مجرد معلّم في رحلتك. لا تتراجع، فالنجاح لا يختار
الأكثر موهبةً، بل الأكثر إصرارًا. !



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Lecture 4

Post. Pituitary

physio -lecture (4)

Which of the following stimulate release of ADH :

- A- Decrease osmolarity which stimulate osmoreceptor.
- B- Increase osmolarity which Inhibit osmoreceptor.
- C- Hemorrhage is the most potent stimulus.
- D- Alcohol consumption.

Answer: C

All off the following related to oxytocin is incorrect except :

- A- Milk ejection is the most important function.
- B- Helps the process of normal labor.
- C- Helps involution of the uterus after delivery.
- D- Has antidiuretic effect.
- E- Increase uterus sensitivity to progesterone

Answer: E

physio -lecture (4)

If a woman hears her baby cry, she may experience milk ejection from the nipples even before the baby is placed to the breast. What is the explanation for this?

- A) The sound of the hungry baby's cry elicits secretion of oxytocin from the posterior pituitary, which reaches the breast and causes contraction of the myoepithelial cells
- B. The sound of the hungry baby's cry causes a reflex relaxation of the myoepithelial cells, allowing the milk to flow
- C. The sound of the hungry baby's cry elicits a surge of prolactin from the anterior pituitary, which promptly stimulates milk production from the breast.
- D. The sound of the hungry baby's cry elicits sympathetic nervous system discharge that causes contraction of the myoepithelial cell

Answer: A



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Lecture 5

Done by :

Mohammad Alzoubi

physio -lecture (5)

1) One of the following is correct about function of parathyroid hormone :

- .Increase calcium reabsorption from distal renal tubule
- .Decrease phosphate reabsorption from distal renal tubule

Answer:A

: Calcitonin is important in all of the following except(2

- A-hypercalcemia
- B-Paget's disease of bone
- C-metastatic bone cancer
- D- post menopausal osteoporosis
- E- hypocalcemia

Answer:E

3) Which of the following is not involved in regulation of plasma Ca^{++} levels

- A.Kidneys
- B.Skin
- C. Liver
- D.Intestine
- E) Lungs

Answer:E

4) All Treatment of hypercalcemia except

- A) calcitonin
- B) Bisphosphonate
- C) phosphate
- D) PTH

Answer:D

physio -lecture (5)

5) All Treatment of hypocalcemia except?

- A) calcium(iv or oral)
- B) Vit.D
- C) PTH
- D) calcitonin

Answer:D

6) All Treatment of osteoporosis except?

- A) calcitonin
- B) Estrogen replacement therapy
- C) Dietary Ca supplements & Vit.D
- D) PTH

Answer:D

7) Calcitonin is secreted from?

- A) chief cells
- B) islet of langerhans
- C) parafollicular cells(c-cells)
- D) oxyphil cells

Answer: C



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Lecture 6

Done by :

Mohammad Alzoubi

physio -lecture (6)

1) All of the following act by same mechanism except :

- .A- Glucagon
- .B- GH
- .C- IGH
- .D- Cortisol
- .E- Epinephrine

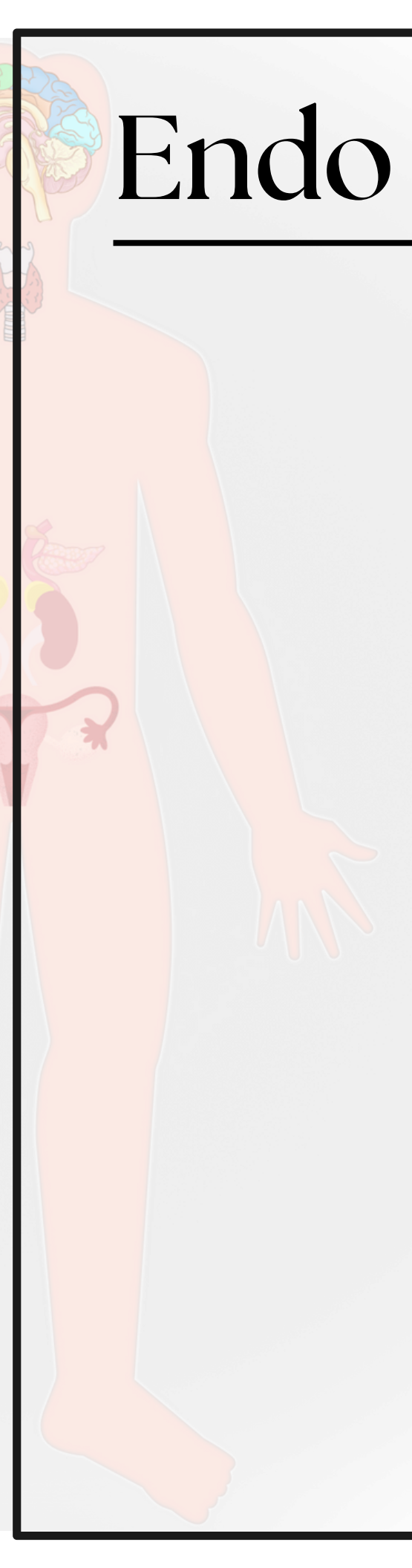
Answer: C

: Steroid hormone that response for regulate blood glucose

- .A- Aldosterone
- .B- Estradiol
- .C- Cortisol
- .D- Testosterone
- .E- Progesterone

Answer: C

? Insulin deficiency causes (3)
Increased ketogenesis



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Lecture 7

adrenal gland, zona granulosa and fasciculata

Done by :

Razan fawwaz

physio -lecture (7)

1. Steroid hormone that response for regulate blood glucose:

- A- Aldosterone.
- B- Estradiol.
- C- Cortisol.
- D- Testosterone.
- E- Progesterone.

Answer: C

2 . Deficiency in 11-beta hydroxylase can lead to :

- A- Decrease in aldosterone and cortisol.
- B- Salt wasting hypotension.
- C- Decrease renin.
- D- Decrease in aldosterone only.

Answer: A

3. Aldosterone:

- A) decrease Na absorption from ECF
- B) increase Na absorption from ICF
- C) increase Na absorption from GIT

Answer: c

Explanation: aldosterone increases Na in blood in order to control low blood pressure. The most important sites for aldosterone action are GI and urinary systems

physio -lecture (7)

4. All of the following are related to high renin and high Aldosterone , except?

- A) Adrenal adenoma
- B) Hypotension
- C) Renal artery stenosis
- D) Hypokalemia

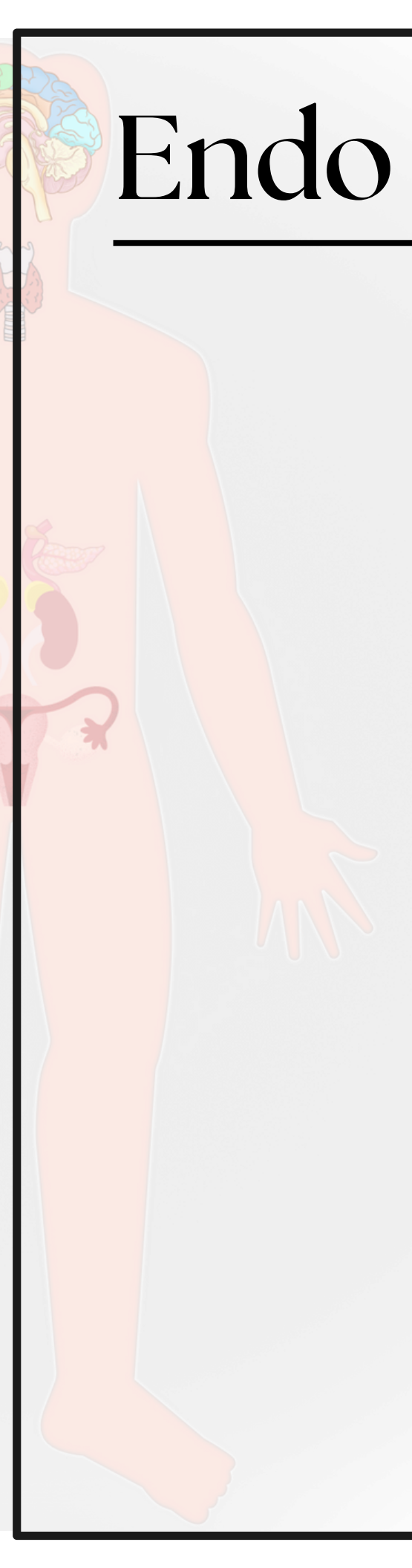
Answer: B

5. The strongest stimulus on aldosterone ?

- A. Low blood pressure
- B. Hyperkalemia
- C. hyponatremia

Answer A

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Lecture 8

organ with endocrine function

Done by :

Razan fawwaz

physio -lecture (8)

1. One of the following statement is correct regarding melatonin :

- A- Secreted from anterior pituitary.
- B- Increase in darkness.
- C- Inhibited by adrenaline from sympathetic nervous system.
- D- Suppresses neuromuscular activity.
- E- Stimulate the onset of puberty.

Answer: B

2. All of the following affect by Inhibitory and stimulatory hormones of hypothalamus

except:

- A- Prolactin.
- B- TSH.
- C- MSH.
- D- LH.
- E- FSH.

Answer: C

physio -lecture (8)

3 . Secretin hormone:

A- Stimulate pancreatic duct secretions.

B- Increase glucagon secretion.

C- Stimulate the secretion of gastric acid in stomach.

D- Inhibiting contraction of gall bladder.

E- Enhancing the absorption of nutrients in small intestine.

Answer: A

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Lecture 9

Medullary of adrenal gland and
adrenal insufficiency

Done by :

Razan fawwaz