

QUIZ TIME

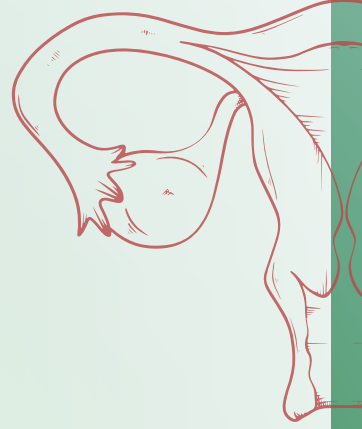
ARCHIVE

Subject:

Physio

Done by

♥ (وَآخِرُ دَعْوَاهُمْ أَنِ الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ)
♥ جَعَلَ اللَّهُ الْخِتَامَ مِسْكَ



The "diluting segment" of the nephron is? Select one:

- a. PCT.
- b. Descending limb of loop of Henle.
- c. Ascending limb of loop of Henle.
- d. Cortical collecting duct.
- e. Distal convoluted tubule.

Ans:c

4-Renal blood flow is ? Select one:

- a. 0.8 - 1.2 l/min
- b. 1.2 – 1.3 L/Min
- c. 1.5 – 2 L/Min
- d. 2-2.5 L/Min
- e. 5-6 L/Min

ans:b

1-The renal blood flow is? Select one:

- a. 5% of the cardiac output.
- b. Higher in the medulla than in the cortex.
- c. Markedly affected by arterial blood pressure whatever its level.
- d. Decrease by sympathetic stimulation.
- e. Auto regulated between 20 and 120 mmhg.

Ans:d

-All of the following is true about the glomerular capillaries, EXCEPT? Select one:

- a. Low pressure capillary bed.
- b. Drain into efferent arteriole.
- c. Highly permeable with wide fenestrae.
- d. Provide wide surface area for filtration.
- e. Engulfed with bowman capsule

ans:a

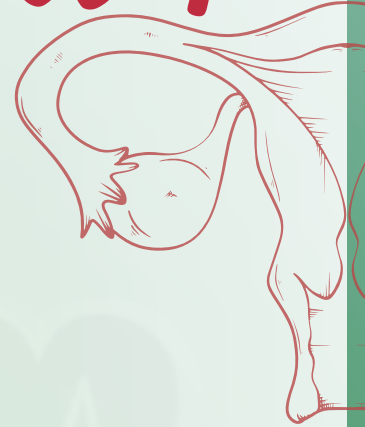
Lec2

1-Substance commonly used to measure RBF ? Select one:

- a. Inuline
- b. Creatinine
- c. Glucose
- d. Para-amino- hippuric acid
- e. Amino acids

ans:d

Lec 1



Lec 2

3-When GFR fall , the Na excretion well ? Select one:

- a. Fall
- b. Increase
- c. Fall followed by increase
- d. No change
- e. Increase followed by sharp decrease

ans:c

12-Factor affecting G F R are? Select one:

- a. Changes in renal blood flow
- b. Changes in glomerular capillary hydrostatic pressure
- c. Ureteric obstruction
- d. Combined effects of Changes in renal blood flow, Changes in glomerular capillary hydrostatic pressure and Ureteric obstruction.
- e. Changes in respiratory rate.

Ans:d

29-Increase in GFR occurs with which of the following conditions?

- a. Increased sympathetic stimulation
- b. Decreased renal blood flow
- c. Hypoproteinemia
- d Ureteric obstruction
- e. severe hemorrhage to get rid of waste products

ANS:C

L3 Archive

8-The following are the characteristic of substances suitable for measuring G F R, except?

Select one:

- a. Freely filtered
- b. Stored in kidney
- c. Not protein bound
- d. Neither reabsorbed nore secreted
- e. Metabolized by kidney

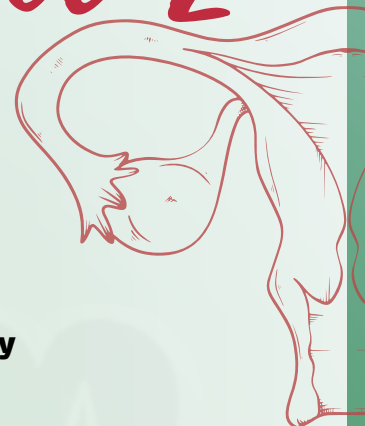
ans:e

17- With respect to renal handling of glucose? Select one:

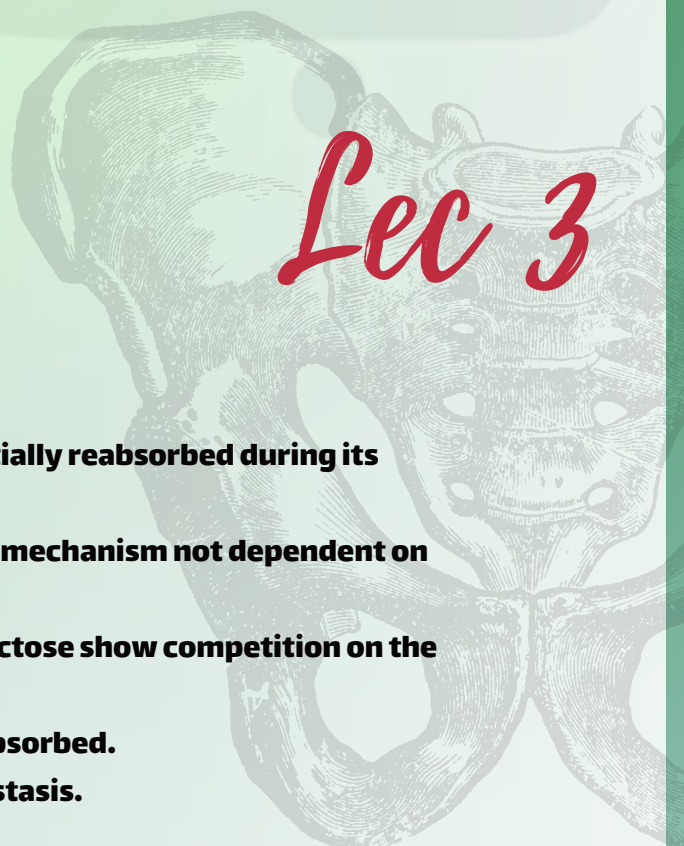
- a. Normally, All glucose present in glomerular filtrate is partially reabsorbed during its passage in P.C.T.
- b. Glucose Reabsorption in PCT is a primary active transport mechanism not dependent on sodium transport.
- c. Glucose and other sugars like galactose, mannose and fructose show competition on the same carrier.
- d. Higher the plasma glucose level, the more its amount reabsorbed.
- e. The kidney not the liver is the main site of glucose homeostasis.

ans:d

Lec 2



Lec 3



Lec 3

19- Along the PCT? Select one:

- a. Glucose is secreted.
- b. 60-70% Of glucose filtered is reabsorbed.
- c. Complete re-absorption of all glucose filtered.
- d. Passive re-absorption of filtered amino-acids.
- e. Filtrate is hyperosmotic

ans:c

22- Active reabsorption of glucose occurs in ? Select one:

- a. Proximal tubule
- b. Loop of Henle
- c. Distal tubule
- d. Collecting duct
- e. Bowman capsule

ans:a

28-Glycosuria is most likely to occur with?

- a. increased GFR and increased blood glucose level
- b. decreased GFR and increased blood glucose level
- c. decreased GFR and decreased blood glucose level
- d. increased GFR and decreased blood glucose level
- e. no change to GFR and increased blood glucose level

ANS:A

All the following statements are true about 16 year old pseudo- hermaphrodites girl EXCEPT?

- a. She has XX chromosome pattern
- b. She has underdeveloped ovary
- c. She has male genital organs
- d. She has increased androgen
- e. She has infertility problem

Ans: b and c



Lec 5

****The "diluting segment" of the nephron is? Select one:**

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- e. Distal convoluted tubule.

Ans:c

****ADH produces? Select one:**

- a. Increase H₂O reabsorption
- b. Decrease sodium reabsorption
- c. Decrease Angiotensin II formation
- d. Increase sodium reabsorption
- e. Increase H⁺ secretion

ans:a

****Regarding Renal handling of water? Select one:**

- a. Water transport is restricted to PCT.
- b. Water transport occurs by osmotic diffusion initiated by solute re-absorption.
- c. Obligatory water re-absorption is under the control of ADH.
- d. Maximumly in DCT.
- e. Not detected in PCT

ans:b

****The ascending limb of the Loop of Henle is?**

- a. impermeable to Na⁺
- b. Involved in active transport of K⁺ into the lumen
- c. Involved in active transport of Cl⁻ out of lumen
- d. Involved in active transport of Na⁺ into lumen
- e. Hypotonic at the top
- f. Actively transports water

ANS:E

****Production of a concentrated urine needs? Select one:**

- a. Loop of Henle alone.
- b. Vasa recta alone.
- c. Both loop of Henle & Vasa recta.
- d. loop of Henle, Vasa recta & C.D.
- e. Bowman capsule

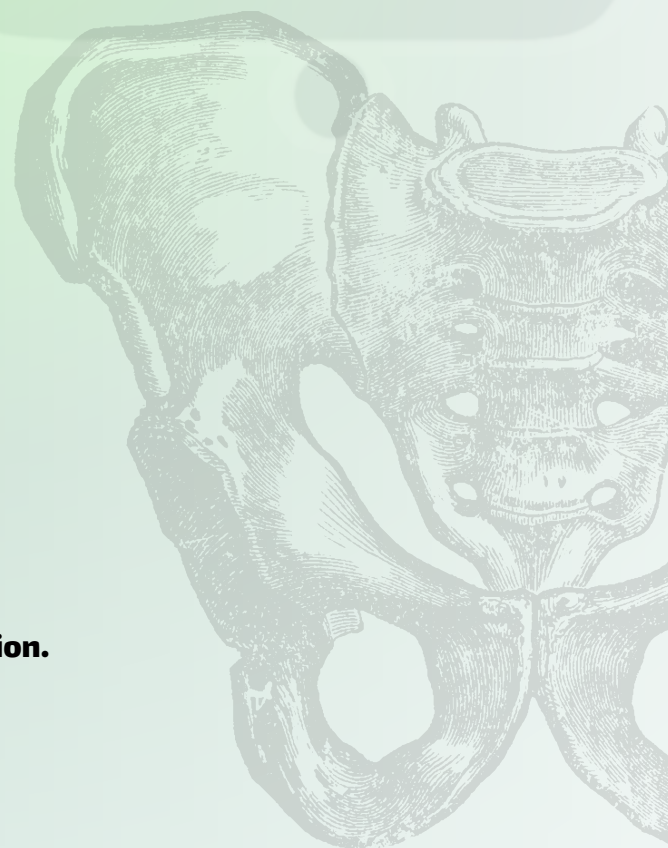
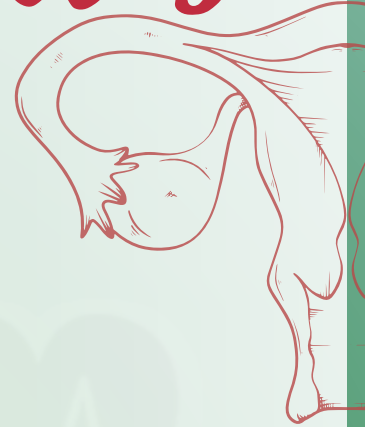
Ans:D

****Concerning water reabsorption? Select one:**

- a. In PCT is under the control of ADH.
- b. Its obligatory type is called iso-osmotic water re-absorption.
- c. Not related to solute re-absorption.
- d. Accompanied with glucose reabsorption.
- e. Accompanied with urea secretion

Ans:B

Lec 5



Lecture 6:

19- Which part of male reproductive system secretes most of seminal fluid?

Select one:

- A- prostate**
- B- Penis**
- C- Seminal vesicle**
- D- Epididymis**
- E- Paradidymis**

Ans: c

20-Spermatogenesis begins in the ? Select one:

- a. Uterine horn.**
- b. Rete testes.**
- c. Seminiferous tubules.**
- d. Seminal vesicles.**
- e. Prostate**

ans:c

50) All the following statements about testosterone are true EXCEPT?

- a. Activation of testosterone may occurs at the skin**
- b. The prostate may help in activation of the testosterone**
- c. Androgen bind Protein (ABP) inhibit the function of testosterone**
- d. The site of action of testosterone is the nucleus**
- e. Free testosterone is less than 5 percent of the total serum testosterone**

Ans:c

3- which of these is incorrect ?

- capacitation in seminiferous tubule**

Lec 6



المطب والجرادة



L7:

11-Progesterone produces the following functions, except? Select one:

- a. It helps implantation of fertilized ovum.
- b. Helps formation of early placenta.
- c. Inhibits uterine contraction during pregnancy.
- d. Responsible for growth of nipples.
- e. Thermogenic.

Ans:d

14-Ovulation is associated with sudden rise in? Select one:

- a. prolactin
- b. estrogen
- c. LH
- d. Oxytocin
- e. Growth hormone

ans:c

13-Progesterone hormone? Select one:

- a. Stimulates LH secretion.
- b. Has thermogenic effect.
- c. Stimulates uterine contraction during pregnancy.
- d. Makes the cervical mucus thin and alkaline.
- e. Decrease blood glucose level

ans:b

27- All the following are signs of ovulation EXCEPT?

- a. Appearance of human chorionic gonadotrophin in the urine
- b. Increased body temperature at the proliferative phase of the cycle
- c. Proliferation of the vaginal epithelia and infiltration with leukocytes
- d. Thick & tenacious cervical secretion
- e. Increased level of progesterone at the second half of the cycle

ANS:A

24-Mechanism of menses is triggered by?

- a. Decreased estrogen
- b. Vasoconstriction of the spiral arteries
- c. Ischemic changes and necrosis of functional endometrium
- d. increased progesterone level
- e. Decreased progesterone level

Ans:e

(Both a and e بس mainly progesterone دكتور شريف حاكبي)

Lec 6



L8

Archive

2- Which of the following triggers releasing milk by lactating mother?

Select one:

- A- Oxytocin
- B- Prolactin
- C- Thyroxin
- D- Growth hormone
- E- Adrenaline

Ans:b

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- e. Thermogenic.

Ans:d

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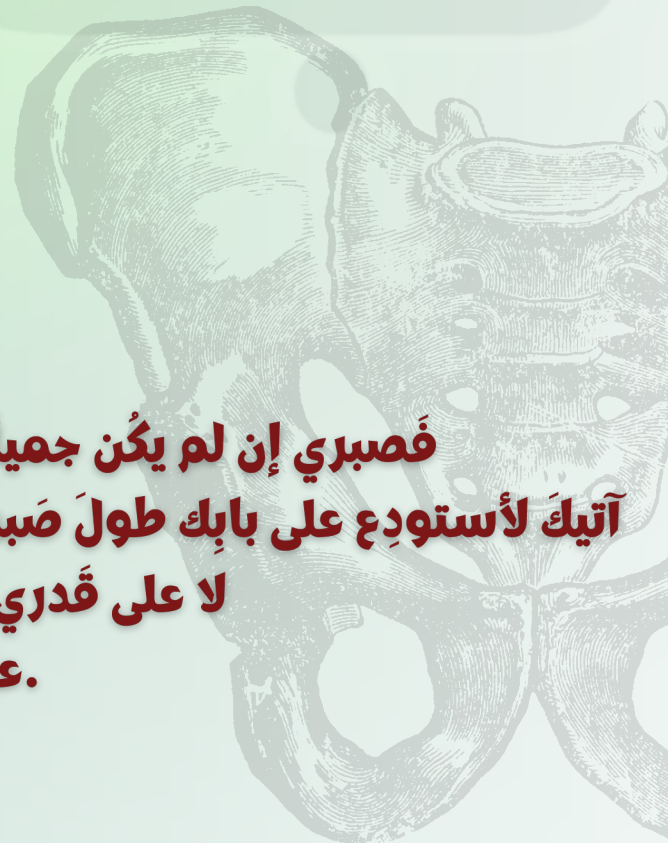
ans:b

16-..triggers milk release in lactating females? Select one:

- a. glucagon
- b. oxytocin
- c. luteinizing hormone
- d. follicle-stimulating hormone
- e. Prolactin

ans:b

Lec 8



فصبري إن لم يكن جميلاً، فقد كان طويلاً، وأنت العليم.
آتيك لأستودع على بابك طول صبري، لتجعل النمر الذي تُعدُّه لقلبي عَظيماً،
لا على قدري، بل على قدرِكَ أنتِ ♥
عابدة كُدُّور -