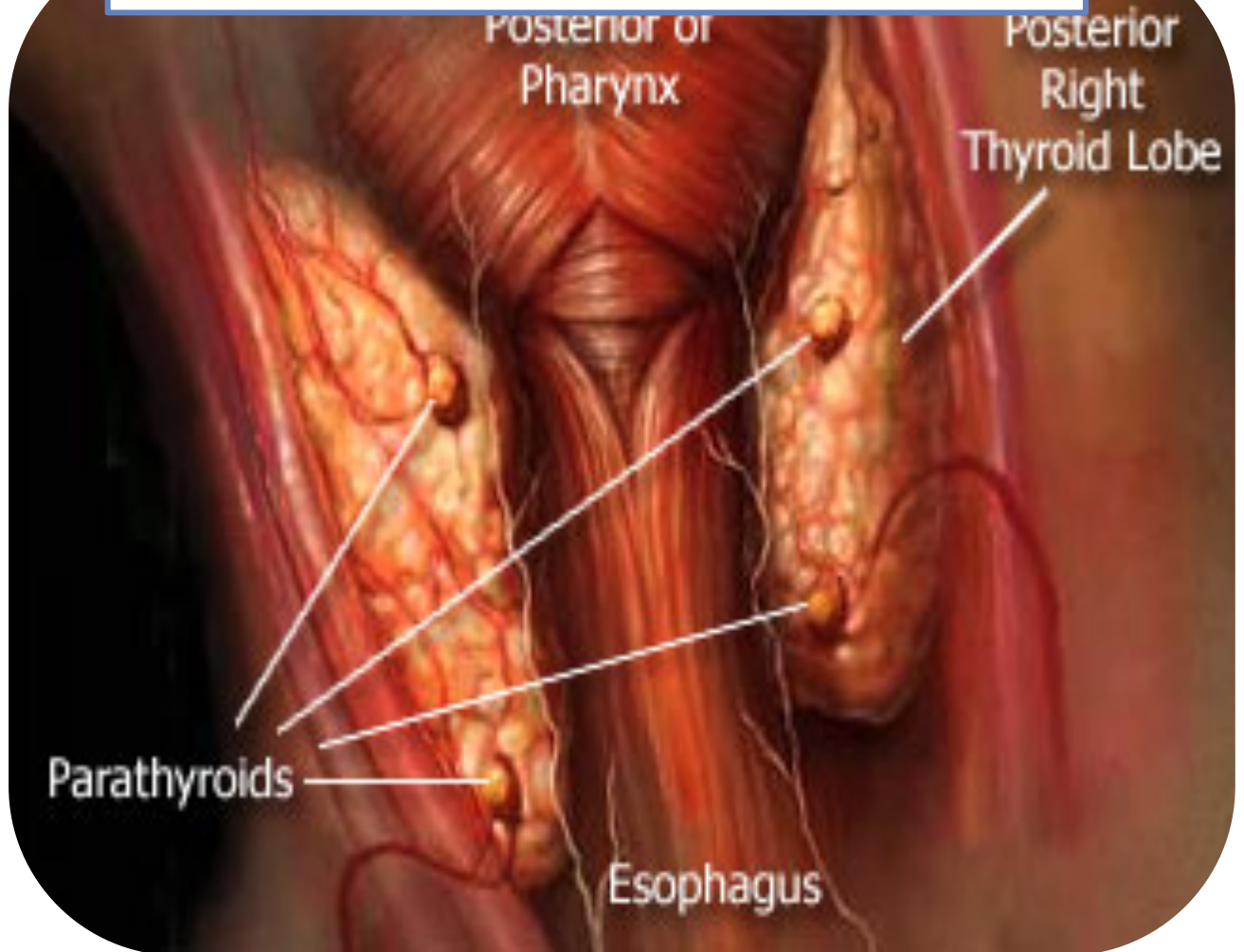


ENDOCRINE BLOCK THIRD WEEK



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Table of Content

BIOCHEMISTRY.....	3
PHYSIOLOGY	4
PHARMACOLOGY.....	6

Q1) Regarding to vitamin D functions all of the following choices are true?

- A) Promotes absorption of calcium and phosphorus from the intestine
- B) Increases bone mineralization
- C) Increases reabsorption of calcium
- D) Decreases reabsorption of phosphorus

Ans:D

Q2) Hydroxylation of Cholecalciferol depends on which of the following enzyme?

- A)1-a-hydroxylase
- B)1-b-hydroxylase Aldosterone
- C) 25-hydroxylase
- d) 1,25- hydroxylase

Ans:C

q3) Which of the following is the active form of vitamin D3:-

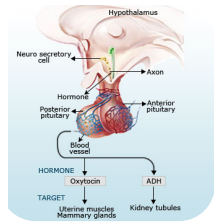
- a. 1,25-dihydroxycholecalciferol
- b. 7-dehydrocholesterol
- c. 25-hydroxycholecalciferol
- d. Cholecalciferol

Ans: A

Q4) Predominant form of vit D in the plasma ?

- a- calcitriol
- b- cholesterol
- c- 7-dehydrocholesterol
- d- 1-hydroxycholecalciferol
- e- 25-hydroxycholecalciferol

Ans:E



Physiology

[8] Calcium Homeostasis

Q1: in acute respiratory alkalosis the patient will develop seizures, because of ...?

- A: increase ionized calcium level
- B: decrease ionized calcium level
- C: decrease calcium binding to protein

Ans: B

Q2: The main action of this calcitonin is to...?

- A: decrease Ca excretion
- B: decrease osteoclasts activity
- C: increase bone resorption

Ans: B

Q3: vitamin D will activated by ...?

- A: hydroxylation reactions
- B: dehydroxylation reactions
- C: oxidation reaction

Ans: A

Q4: Limited exposure to the sun will cause?

- A: decrease synthesise of 7-dehydrocholesterol by Keratinocytes in the skin.
- B: no formation of Cholecalciferol

Ans: B

[9] Hypo-Hyper Parathyroidism

Q1: Inadvertent removal of parathyroid gland during thyroid surgery will cause:

- A: atrophy of the muscles
- B: tetany
- C: decrease excitability of the nerve

Ans: B

Q2: While taking the blood pressure of a patients by the sphygmomanometer he flex his wrist, thumb and metacarpophalangeal joints, this is a sign of?

- A: hypothyroidism
- B: HYPO PARATHYROIDISM
- C: HYPER PARATHYROIDISM

Ans: B

Q3: patient with Adenoma of parathyroid gland it will result in..?

- A: bone formation
- B: renal excretion of calcium
- C: intestinal calcium absorption

Ans: C

Q4: with Hyperparathyroidism there will be...?

- A: distal muscle weakness
- B: proximal muscle weakness

Ans: B



Pharmacology

[3] Treatment of Osteoporosis

1-STRONTIUM is contraindicated in?

- A. Malignancy- associated hypercalcaemia
- B. -Osteoporosis
- C. -phenylketonuria

Ans: C

2-all of the following are advantages for RALOXIFENE except?

- A. No stimulation of breast or endometrial tissue
- B. No effect on HDL
- C. Increase bone density

Ans: B

3-which of the following drugs mimics the activity of osteoprotegerin ?

- A. -DENOSUMAB
- B. -BISPHOSPHONATES
- C. -STRONTIUM

Ans: A

4-Patient is having osteoporosis and we know that he's taking tetracycline from clinical history. Which one of the following is contraindicated for the treatment of the osteoporosis in this case?

- A. zoledronate
- B. strontium
- C. Estrogen
- D. Denosumab

Ans: B

5-Which one of the following is used for treatment of osteoporosis due to its action as both antiresorptive agent and bone anabolic agent?

- A. strontium
- B. Bisphosphonate
- C. Estrogen
- D. Denosumab

Ans: A

6-Patient is having osteoporosis and from clinical history we knew that he has a gastroesophageal reflux. Which one of the following is contraindicated for the treatment of the osteoporosis in this case?

- A. strontium
- B. Bisphosphonate
- C. Raloxifene
- D. Denosumab

Ans: B

7-Which of the following we should avoid in patient with renal disease?

- A. Bisphosphonate
- B. Estrogen
- C. Denosumab
- D. Strontium

Ans: A & D

8-To avoid skin rash as a side effect we give the patient ?

- A. Denosumab
- B. Strontium
- C. Estrogen

Ans: C

[4] Drugs acting on Calcium & Vit. D

1-Flushing of face & hands is a side effect of which drug?

- A. -Calcitonin
- B. -Teriparatide
- C. -vitamin D

Ans: A

2-Teriparatide shouldn't be used in ?

- A. postmenopausal women at high risk of fracture.
- B. -people with Paget's disease of bone
- C. -Hypogonadal men at high risk of fracture.

Ans: B

3-in case of Hypercalcemia we give ?

- A. -Teriparatide
- B. -Parathyroid hormone
- C. -Calcitonin

Ans: C

If you have any questions you want to add, please send it to

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Good luck

Team Leaders :

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"The good physician treats the disease; the great physician treats the patient who has the disease."

~William Osler