

Biochemistry

Archive

Lecture 4

Medical card

Name _____

Date of b

Gender _____

Address _____

Date of call _____

Corrected By :

SUJOOD ABUSROOR

1- The Integral protein of CM is?

ApoB-48

2) Dietary triglycerides Is ? **Chylomicrons**

3-Which of the following Lipoproteins best matches its description? Select one: MW

- a. Chylomicrons-> composed mainly of triglycerides synthesized in hepatic cells
- b. LDL> contains Apo-B48 and Apo-CII on its surface.
- c. VLDL-> migrates faster to anode than LDL during electrophoresis.
- d. HDL-> the major donor of free cholesterol to peripheral tissues.
- e. Lipoprotein (a)-> protects against thrombogenesis

ANSWER:C

4-Which of the following statements best describes chylomicron (CM) remnant? MW

Select one:

- a. Its size is larger than nascent CM.
- b. it contains high triglycerides content and low cholesterol concentration.
- c. Apo-E is the only protein present on its surface.
- d. It is enriched in cholesteryl ester and fat soluble vitamins.
- e. It is recognized by liver because they contain Apo-AI on its surface.

ANSWER:D

5-which one of the following statements concerning high density lipoprotein (HDL) metabolism is CORRECT? Select one: MW

- a. HDL is synthesized exclusively for intestine with Apo-C and Apo-E on its surface.
- b. It esterifies free cholesterol to cholesterol ester via cholesterol ester transfer protein (CETP).
- c. Cholesterol ester of HDL is selectively taken up by liver cells via scavenger receptors-B1.

ANSWER:C

6-Which of the following mechanisms mainly explains atherosclerosis in familial hyperlipoproteinemia (broad beta; type III)? FW

Select one:

- a. Improper removal of VLDL remnants and chylomicron remnants from circulation.
- b. Deletion of ABC-A1 transporters that leads to cholesterol accumulation within blood cells.
- c. High blood level of free cholesterol due to defective Apo-A1.
- d. Increased triglycerides in blood due to defect in its hydrolysis by lipoprotein lipase.
- e. High level of Triacylglycerol due to mutation of microsomal transfer protein (MTP)

ANSWER:A

7-What is the cardiac biomarker that remains elevated for the longest time?

LDH

8-Lipoprotein lipase breaks down TG in VLDL, what apoprotein acts as a catalyst for this enzyme?

Apoprotein CII

9- What is the HDL receptor in the liver?

Scavenger receptor class B