



Homework 3(b)

Pharmacotherapy 1 /PHAR452

Instructor Abdallah Abu Khalil

Student name and I.D Muhammad Musleh /1162595

Ischemic Heart Case

1- Identify the drug-related problem

- a) Angina Pectoris, poor control (We need another medicine)
- b) Dyslipidemia
- c) Need another safe drug rather than Diltiazem; because of his mild Heart Failure.
- d) Need to change Celecoxib; because it increases risk of CVD (Unsafe medicine).
- e) Metabolic Syndrome (High TG, Low HDL, Obesity).

2- What is the optimum plan ?

Non- pharmacotherapy:- (Extra)

- a) Reduce body weight.
- b) Reduce dietary fat

Pharmacotherapy:-

- a) Stop taking Diltiazem and Carvedilol then replace them by Amlodipine 5mg once daily and Metoprolol tartrate (XL) 50mg once daily, Respectively.
- b) Replace Simvastatin by Atorvastatin 40mg once daily
- c) Decrease dose of Aspirin from 325 to 162mg once daily.
- d) Stop Celecoxib and start with Paracetamol 500mg.
- e) Increased the dose of Isosorbide Mononitrate from 120 to 240mg after improved the patient condition.

3- Patient education

- a) **Nitroglycerin Sublingual**, Take it when the angina starts pain, after 5min the pain would be gone, if it does not reduce pain, take another one, but then if the pain does not go, you need to call emergency (MI). The pocket storage away from heat or light.
- b) **Aspirin**, Give protection against recurrence MI or occurring Stroke. If pain in stomach or blood in stool release you need to tell doctor.