

**ANSWERS: Practice Quiz 5 Part D - Lipid Lowering Agents**

DEH 2300

June, 2014

1. Drug therapy for clients with elevated serum cholesterol and increased low-density lipoprotein concentrations uses:
  - a. Anticoagulants
  - b. Antihypertensives
  - c. **Antilipemic agents**                      **ANSWER**
  - d. Antiarrhythmic agents
  
2. HMB-CoA reductase inhibitors (statins) work by:
  - a. **Inhibiting the enzyme needed for cholesterol syntheses.**                      **ANSWER**
  - b. Binding with bile acids in the intestine, which reduces the total body cholesterol.
  - c. Inhibiting the mobilization of free fatty acids from the peripheral tissues.
  - d. Inhibiting intestinal absorption of both dietary and biliary cholesterol, blocking its transport in the small intestine.
  
3. Which comment if made by a patient taking antilipemic agents would indicate the need for follow-up teaching?
  - a. **“I will take my medicine every morning with a glass of grapefruit juice.”**                      **ANSWER**
  - b. “I will continue my low fat diet and exercise plan.”
  - c. “I will report to my doctor any onset of muscle pain, weakness or bleeding.”
  - d. “I will do follow-up lab studies with the doctor.”
  
4. Which drug is a member of the best known and most commonly prescribed lipid lowering agents?
  - a. Niacin
  - b. Tricor<sup>®</sup> (fenofibrate)
  - c. Questran<sup>®</sup> (cholestyramine)
  - d. **Lipitor<sup>®</sup> (atorvastatin)**                      **ANSWER**
  
5. Which adverse reactions/side effects are most common for antilipemic agents?
  - a. **Signs/symptoms of gastrointestinal distress**                      **ANSWER**
  - b. Myalgia, arthritis, myositis
  - c. Impotence, urinary tract infections, decreased urinary output
  - d. Headaches, tinnitus pancreatitis
  
6. What is rhabdomyolysis? Myalgia? Myositis?  
  
**ANSWER: See Student Version of Lipid Lowering Agents**
  
7. According to the American Heart Association what is the desirable Total Serum Cholesterol level?  
  
**ANSWER:**  
See the following website:  
[http://www.heart.org/HEARTORG/Conditions/Cholesterol/AboutCholesterol/What-Your-Cholesterol-Levels-Mean\\_UCM\\_305562\\_Article.jsp](http://www.heart.org/HEARTORG/Conditions/Cholesterol/AboutCholesterol/What-Your-Cholesterol-Levels-Mean_UCM_305562_Article.jsp)
  
8. What is the recommended administration time for most lipid-lowering agents?  
  
**ANSWER: with the evening meal**