

The Pharmacist's Integral Role with Integrase Inhibitors
Post Program Assessment Questions

- 1) Which of the following best describes the genetic and enzymatic contents of an HIV viral cell?
 - a) double stranded RNA, DNA polymerase, Integrase
 - b) single stranded RNA, DNA polymerase, Integrase, Protease
 - c) double stranded DNA, protease, integrase, reverse transcriptase
 - d) single stranded RNA, protease, reverse transcriptase, integrase

- 2) Which of the following best describes the number of drug classes currently available to treat HIV?
 - a) greater than 10
 - b) less than 2
 - c) less than 3
 - d) less than 8

- 3) Which statement best describes the DHHS guidelines for what to start a patient on for ARV therapy?
 - a) 3-4 drugs from at least 2 different classes
 - b) 3 drugs from the same class
 - c) 3-4 drugs each from a different class
 - d) 2 drugs without regard to drug class

- 4) Which of the following is not a real class of anti-HIV medications?
 - a) Reverse transcriptase inhibitors
 - b) Protease inhibitors
 - c) Zinc finger chelators
 - d) Entry inhibitors

- 5) Which of the following list of drugs contains medications all from the same class?
 - a) zidovudine, nevirapine, abacavir
 - b) atazanavir, abacavir, indinavir
 - c) raltegravir, enfuvirtide, maraviroc
 - d) zidovudine, tenofovir, emtricitabine

- 6) Raltegravir's phase II dose finding study discussed in this presentation, cited (Lancet 2007;369:1261-69), showed which of the following results:
 - a) 2 of the 3 raltegravir arms showed an improved response compared to control
 - b) Only the highest dose raltegravir arm showed an improvement to control
 - c) All 3 arms demonstrated an improvement compared to the control
 - d) All 6 arms demonstrated an improvement compared to control

- 7) Raltegravir's indication from the FDA is likely to be most similar to which of the following:
 - a) raltegravir is indicated for monotherapy in the treatment of HIV

- b) raltegravir is indicated for combination therapy in the treatment of HIV in treatment naïve individuals
- c) raltegravir is indicated for combination therapy in the treatment of HIV in treatment experienced individuals
- d) raltegravir is indicated for combination therapy in the treatment of HIV

8) Which statement best describes the way resistance affects drugs to treat HIV?

- a) Resistance to one drug always causes resistance to a class of drugs
- b) Resistance to a drug is always specific to that drug and effects no others
- c) Sometimes one mutation is enough to destroy the clinical utility of a drug
- d) Resistance develops slowly and there is not an urgent need for new classes of

drugs.

9) The relationship between Viral Load and CD4 cell count in most HIV positive patients is:

	CAUSE	EFFECT
a) Direct -	as viral load goes up	CD4 cell count goes up
b) Indirect -	as viral load goes up	CD4 cell count goes down
c) Indirect -	as CD4 cell count goes down	viral load goes up
d) Direct -	as CD4 cell count goes up	viral load goes down

10) An important aspect of a pharmacist's advice to a patient about HIV medication is:

- a) Adherence to the medications is essential to effective therapy
- b) If one medication causes a side effect it is okay to skip it
- c) If you miss a dose you should double up on the next dose
- d) Adherence isn't related to efficacy so it's okay to miss doses