

QUESTIONS ON THE PRESENTATION

“Clozapine Case 2” (12-17-15)

Please select the single best choice.

1. Clozapine brain receptor binding is included in the concept of clozapine pharmacodynamics.
 - A. True
 - B. False
2. If you want to correct the clozapine dose for the effects of an inducer:
 - A. You need to increase the clozapine dose after adding an inducer.
 - B. You need to decrease the clozapine dose after removing an inducer.
 - C. You need to consider phenytoin and phenobarbital as powerful inducers.
 - D. All of the above are correct.
3. Regarding the pharmacokinetic drug-drug interactions of clozapine:
 - A. Inducers tend to increase clozapine's blood concentration.
 - B. Inhibitors may increase clozapine's metabolism, and inducers may decrease its metabolism.
 - C. Inhibitors tend to decrease clozapine's blood concentration.
 - D. Inhibitors may decrease clozapine's metabolism, and inducers may increase its metabolism.
4. Drugs with narrow therapeutic windows such as clozapine tend to be toxic:
 - A. True
 - B. False
5. Regarding clozapine metabolism:
 - A. Nicotine is an inducer.
 - B. Tobacco smoking can inhibit clozapine metabolism.
 - C. Caffeine can be an inhibitor.
 - D. Omeprazole is an inhibitor.

6. The main CYP for clozapine (and olanzapine) metabolism is thought to be:
- A. CYP3A
 - B. CYP2D6
 - C. CYP2C9
 - D. CYP1A2
7. A patient has knee buckling while on clozapine. This is:
- A. Called myoclonus.
 - B. Likely a sign of clozapine intoxication and of the need to decrease the clozapine dose.
 - C. A prompt for the physician to consider the need to measure serum clozapine concentrations.
 - D. All of the above are correct.
8. Of all the SSRIs, fluvoxamine is the most potent clozapine inhibitor.
- A. True
 - B. False
9. Regarding a clozapine inducer:
- A. An inducer tends to decrease clozapine's blood concentration.
 - B. An inducer should increase clozapine's metabolism.
 - C. An inducer may have no immediate effects on clozapine's metabolism, and usually takes a few weeks to show maximum effects.
 - D. All of the above are correct.
10. With 150 mg/day of clozapine, the steady state clozapine concentration is 300 ng/ml. The C/D ratio is:
- A. 1.
 - B. 2.
 - C. 0.5.
 - D. 10.