

QUESTIONS ON THE PRESENTATION

“Clozapine Case 3: Sertraline” (12-24-15)

Please select the single best choice.

1. All clozapine pharmacodynamic effects are explained by its effects on brain receptors.
 - A. True
 - B. False

2. Regarding the effects of an inhibitor on clozapine:
 - A. An inhibitor tends to increase clozapine's metabolism.
 - B. An inhibitor may decrease clozapine's serum concentration.
 - C. After discontinuation, the duration of the inhibitor's effects causing a decrease in clozapine metabolism depends on the half-life of the inhibitor.
 - D. All of the above are correct.

3. If you want to correct the clozapine dose for the effects of smoking:
 - A. You need to decrease the clozapine dose after a patient starts smoking.
 - B. You need to consider that smoking cessation will increase serum clozapine concentrations.
 - C. You would need to prescribe lower clozapine doses in a smoker than a non-smoker.
 - D. All of the above are correct.

4. Regarding the pharmacokinetic drug-drug interactions of clozapine:
 - A. Inducers tend to increase clozapine's blood concentration.
 - B. Inhibitors may decrease clozapine's metabolism, and inducers may increase its metabolism.
 - C. Inhibitors may increase clozapine's metabolism, and inducers may decrease its metabolism.
 - D. Removal of an inhibitor tends to increase clozapine's blood concentration.

5. Regarding clozapine concentration:
- A. Smoking cessation may increase clozapine concentration.
 - B. Adding caffeine may increase clozapine concentration.
 - C. Discontinuing fluvoxamine may decrease clozapine concentration.
 - D. All of the above are correct.
6. The main CYP for clozapine (and olanzapine) metabolism is:
- A. CYP2D6
 - B. CYP1A2
 - C. CYP2C9
 - D. CYP3A
7. Clozapine has been associated with onset or worsening of obsessive-compulsive symptoms.
- A. True
 - B. False
8. Competitive inhibition can explain why, in rare situations of compromise with multiple prescribed drugs, any second-generation antipsychotic may be the straw that breaks the camel's back and behave as an inhibitor of drug metabolism.
- A. True
 - B. False
9. The main pharmacodynamic mechanism in a clozapine-induced seizure is probably the decreased seizure threshold, and a relevant pharmacokinetic factor may be smoking cessation.
- A. True
 - B. False
10. Of all the SSRIs, fluvoxamine is the most potent clozapine inhibitor.
- A. True
 - B. False