

QUESTIONS ON THE PRESENTATION

“Clozapine Case 1” (12-18-15)

Please select the single best choice.

1. Clozapine brain receptor binding is included in the concept of clozapine pharmacokinetics.
 - A. True
 - B. False
2. If you want to correct the clozapine dose for the effect of an inhibitor:
 - A. You need to decrease the clozapine dose after adding an inhibitor.
 - B. You need to increase the clozapine dose after removing an inhibitor.
 - C. You need to consider the potency of the inhibitor (e.g., using the correction factor).
 - D. All of the above are correct.
3. Regarding the pharmacokinetic drug-drug interactions of clozapine:
 - A. Inhibitors tend to decrease clozapine's blood concentration.
 - B. Inhibitors may decrease clozapine's metabolism and inducers may increase its metabolism.
 - C. Inducers tend to increase clozapine's blood concentration.
 - D. Inhibitors may increase clozapine's metabolism and inducers may decrease its metabolism.
4. Removal of a clozapine inducer is associated with increased clozapine levels, while removal of a clozapine inhibitor is associated with decreased clozapine levels.
 - A. True
 - B. False
5. Regarding clozapine and hypersalivation:
 - A. Dry mouth may be associated with taking a drug with antimuscarinic activity.
 - B. Hypersalivation is frequently induced by clozapine.
 - C. Clozapine and its main metabolite, norclozapine, may be partial agonists at salivary muscarinic receptors.
 - D. All the above are correct.

6. Caffeine is mainly metabolized by CYP1A2:
- A. True
 - B. False
7. The most important CYP for clozapine (and olanzapine) metabolism probably is:
- A. CYP2D6
 - B. CYP2C9
 - C. CYP1A2
 - D. CYP3A
8. Clozapine's sedating properties may be explained by its properties as:
- A. An H₁ agonist
 - B. An H₁ antagonist
 - C. A muscarinic antagonist
 - D. A D₂ antagonist
9. With 500 mg/day of clozapine, the steady state clozapine concentration is 250 ng/ml. The C/D ratio is:
- A. 2.0
 - B. 10
 - C. 0.5
 - D. 5.0
10. Regarding a clozapine inducer including smoking:
- A. An inducer tends to decrease clozapine's blood concentration.
 - B. An inducer may increase clozapine's metabolism.
 - C. An inducer may have no immediate effects on clozapine's metabolism at first, and it usually takes a few weeks to show maximum effects.
 - D. All of the above are correct.