

QUESTIONS ON THE PRESENTATION

“Clozapine Case 4: Perphenazine” (1-02-16)

Please select the single best choice.

1. If you want to correct the clozapine dose for the effect of an inducer, you need to:
 - A. Increase the clozapine dose after adding an inducer.
 - B. Decrease the clozapine dose after removing an inducer.
 - C. Consider that phenytoin and phenobarbital are powerful inducers.
 - D. All of the above are correct.

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

3. 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.

4. The main CYP for clozapine (and olanzapine) metabolism is:
 - A. CYP3A.
 - B. CYP2D6.
 - C. CYP2C9.
 - D. CYP1A2.

5. Drugs with narrow therapeutic windows such as clozapine tend to be toxic:
 - A. True
 - B. False

6. Regarding clozapine inhibitors:
- A. Fluvoxamine is an inhibitor but so mild that it has no clinical relevance.
 - B. Ciprofloxacin may be an inhibitor.
 - C. Tobacco smoking is an inhibitor.
 - D. All of the above are correct.
7. A patient has knee buckling in 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. After changing a clozapine dose you may need to wait up to a week to reach steady state:
- A. True
 - B. False
9. Regarding clozapine inducers:
- A. Rifampin is a powerful inducer.
 - B. Omeprazole may be a mild inducer.
 - C. Cannabis smoking may be an inducer.
 - D. All of the above are correct.
10. With 300 mg/day of clozapine, the steady state clozapine concentration is 600 ng/ml. The C/D ratio is:
- A. 1.
 - B. 2.
 - C. 0.5.
 - D. 10.