

QUESTIONS ON THE PRESENTATION

“Pharmacokinetics of Oral Second-Generation Antipsychotics” (12-11-15)

Select the single best choice.

1. Drugs with narrow therapeutic windows tend to be toxic.
 - A. True
 - B. False

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

3. Removal of a drug A inducer is associated with increased drug A blood levels, while removal of a drug A inhibitor is associated with decreased drug A blood levels.
 - A. True
 - B. False

4. Regarding an inhibitor of drug A:
 - A. An inhibitor tends to increase A's blood concentration.
 - B. An inhibitor may decrease A's metabolism.
 - C. An inhibitor may require at least 5 half-lives to reach maximum effects.
 - D. All of the above are correct.

5. Pneumonias, other severe infections and other severe inflammations can:
 - A. Definitely increase clozapine and olanzapine plasma levels.
 - B. Possibly increase quetiapine, lurasidone and cariprazine plasma levels.
 - C. Possibly increase aripiprazole, brexpiprazole, iloperidone and risperidone plasma levels.
 - D. All of the above.

6. Aripiprazole, brexpiprazole and cariprazine are D₂ partial agonists and have very long half-lives needing weeks to reach steady state:

- A. True
- B. False

7. Carbamazepine, phenytoin and phenobarbital may be used with antipsychotics with no concern about drug-drug interactions.

- A. True
- B. False

8. Iloperidone CYP metabolism is similar to

- A. Ziprasidone.
- B. Clozapine and olanzapine.
- C. Aripiprazole, brexpiprazole, and risperidone.
- D. Cariprazine, lurasidone and quetiapine.

9. Asenapine metabolism is similar to

- A. Paliperidone.
- B. Cariprazine, lurasidone and quetiapine.
- C. Aripiprazole, brexpiprazole, iloperidone and risperidone.
- D. None of the above.

10. Lurasidone CYP metabolism is similar to

- A. Cariprazine and quetiapine.
- B. Clozapine and olanzapine.
- C. Aripiprazole, iloperidone and risperidone.
- D. None of the above.