

## QUESTIONS ON THE PRESENTATION

### “Quetiapine Case 1 Warfarin” (1-22-16)

**Please select the single best choice.**

1. Quetiapine has pharmacodynamic effects outside of the brain.
  - A. True
  - B. False
  
2. Regarding the effects of phenytoin on quetiapine:
  - A. Phenytoin tends to decrease quetiapine’s metabolism.
  - B. Phenytoin discontinuation may increase quetiapine’s serum concentration by a factor of five.
  - C. Phenytoin addition may decrease quetiapine’s metabolism for up to 2-3 weeks.
  - D. All of the above are correct.
  
3. If you consult on a patient concerning warfarin dose:
  - A. You need to remember that warfarin is a CYP2C9 substrate.
  - B. You need to consider that several psychiatric drugs can inhibit CYP2C9 including valproic acid, fluoxetine and fluvoxamine.
  - C. If you add carbamazepine, an inducer, you need to closely monitor the INR.
  - D. All of the above are correct.
  
4. Regarding the pharmacokinetic drug-drug interactions of quetiapine:
  - A. Inducers tend to increase quetiapine’s blood concentration.
  - B. Inhibitors may increase quetiapine’s metabolism, and inducers may decrease its metabolism.
  - C. Removal of an inhibitor tends to increase quetiapine’s blood concentration.
  - D. Inhibitors may decrease quetiapine’s metabolism, and inducers may increase its metabolism.
  
5. CYP2C9 is a polymorphic enzyme that may be missing in up to 25% of Chinese people.
  - A. True
  - B. False

6. Regarding quetiapine concentration:
- A. Smoking cessation may increase quetiapine concentration.
  - B. Adding ketoconazole may decrease quetiapine concentration.
  - C. Discontinuing carbamazepine may increase quetiapine concentration.
  - D. All of the above are correct.
7. The main CYP for quetiapine (and lurasidone) metabolism is:
- A. CYP2D6.
  - B. CYP2C9.
  - C. CYP1A2.
  - D. CYP3A.
8. Quetiapine is FDA-approved to treat agitation and psychosis in demented patients.
- A. True
  - B. False
9. Regarding phenytoin pharmacokinetics:
- A. Phenytoin follows linear kinetics during intoxication.
  - B. Phenytoin can cause intoxication that lasts several days due to the saturation of all its enzymatic pathways.
  - C. Phenytoin rarely induces the metabolism of psychiatric drugs.
  - D. All of the above are correct.
10. Carbamazepine, phenytoin and phenobarbital are potent inducers.
- A. True
  - B. False