

1. Which of the following is the cause of weight gain associated with typical antipsychotic therapy?
 - a. low muscarinic activity
 - b. high histamine-1 activity**
 - c. low histamine-1 activity
 - d. high alpha-1 activity
 - e. high muscarinic activity

2. KB presents with the following complaints: akinesia, tremor and decreased motor activity. These symptoms are consistent with which of the following?
 - a. tardive dyskinesia
 - b. neuromalignant syndrome
 - c. acute dystonia
 - d. pseudoparkinsonism**
 - e. akathisia

3. Which of the following dopamine tracts in the brain is responsible for worsening of negative symptoms with typical antipsychotic therapy?
 - a. mesocortical**
 - b. mesolimbic
 - c. nigrostriatal
 - d. tuberoinfundibular
 - e. hypothalamic-pituitary

4. A patient was changed from olanzapine to haloperidol decanoate IM three months ago because of poor medication compliance. He presents to the emergency room today with a fever, tachycardia, hypotension, diaphoresis, and he is confused. Which medication has the best chance of helping with this problem?
 - a. bromocriptine**
 - b. diphenhydramine
 - c. benztropine
 - d. lorazepam
 - e. propranolol

5. The mechanism of action of aripiprazole differs from other atypical antipsychotics. Which of the following is an accurate description of its mechanism of action?
 - a. It is a D₂ antagonist
 - b. It is a partial D₂ and 5HT agonist
 - c. It is a D₂, 5HT antagonist
 - d. It is a partial D₂ agonist, 5HT antagonist**
 - e. It is a partial D₂, 5HT antagonist

6. Which of the following is likely to result in an elevation of serum lithium levels in patients on maintenance lithium therapy?
 - a. increased magnesium intake
 - b. increased fluid intake
 - c. initiation of thyroid replacement therapy
 - d. initiation of ibuprofen therapy**
 - e. initiation of propranolol therapy

7. A patient with bipolar disorder has been taking lithium for several years with good control of his mood. However, today he presents to clinic with complaints of depressed mood, feelings of hopelessness, and inability to experience pleasure. He also feels tired and fatigued all day. The physician prescribes fluoxetine. Which symptoms group illustrates a common problem seen when giving antidepressants to a bipolar patient?
- delusions, hallucinations, cognitive impairment
 - obsessions, compulsions, anxiety
 - brief, intense periods of anxiety, fear of death, shortness of breath
 - hyperactivity, hyperverbal, insomnia, flight of ideas**
 - hyperarousal, numbing, flashbacks
8. JB is a 24yo wm recently diagnosed with bipolar disorder. His psychiatrist elected to initiate lithium therapy. Which of the following laboratory parameters are recommended prior to starting lithium therapy?
- TSH**
 - Ophthalmologic exam
 - LFTs
 - Chest x-ray
 - Blood glucose
9. A patient brings in a lamotrigine 100mg prescription to your pharmacy. The Sig on the prescription reads: ½ tab po qd for 1 week, ½ tab po bid for 1 week, and 1 tab po bid thereafter. Why is it necessary to increase the dose of lamotrigine so slowly?
- it causes dose-related psychomotor slowing
 - it causes dose-related renal stones
 - it causes dose-related rash**
 - it causes dose-related paresthesias
 - it causes dose-related agitation
10. Which of the following is a correct maintenance blood level for lithium therapy?
- 0.8 mEq/L**
 - 8 mEq/L
 - 1.2 mEq/L
 - 80 mEq/L
 - 2.0 mEq/L