

17. A 57-year-old lady with many previous hospitalizations is brought by police to casualty. She is wearing full make-up, green lipstick, shiny green nail polish, and green jewellery. She asks everyone at the admission unit to call her Ms Green. Which of the following diagnoses is most consistent with the above presentation?

- A. Mania
- B. Depression
- C. Panic attacks
- D. Obsessive compulsive disorder
- E. Learning disability

19. A 33-year-old man attending an out-patient clinic turns towards his left and spits out, muttering unintelligibly. He does this act at least three times in half an hour and appears very guarded. This gesture is suggestive of which of the following?

- A. Depression
- B. Suicidal thinking
- C. Low self esteem
- D. Responding to hallucination**
- E. Acute confusion

34. A man admitted to the psychiatric intensive care unit with a manic episode, received 10 mg of haloperidol intramuscularly as he had turned violent. He became unresponsive shortly afterwards. On examination, there is evidence of confusion, labile BP, hyperthermia, rigidity, and dysphagia. What is the most important differential diagnosis?

- A. Acute dystonia
- B. Neuroleptic malignant syndrome
- C. Tardive dyskinesia
- D. Akathisia
- E. Parkinsonism

26. Russell's sign is usually associated with which one of the following disorders?

- A. Schizophrenia
- B. Bipolar disorder
- C. Bulimia nervosa
- D. Panic disorder
- E. Somatization disorder

23. Nihilistic delusions will be congruent with which of the following findings of mental state examination?

- A. Depression
- B. Mania
- C. Depersonalization
- D. Grandiose delusion
- E. None of the above

24. When eliciting suicide risk, which of the following questions should be avoided if possible?

- A. Do you have any plans to kill yourself?
- B. How are you feeling in your mood?
- C. Have you ever considered life is not worth living?
- D. Have you ever wanted to go to sleep and never wake up?
- E. None of the above

59. Clozapine is strongly associated with fatal agranulocytosis. Which of the following is true regarding clozapine-induced agranulocytosis?

- A. The risk of agranulocytosis is greatest in the first year
- B. Patients must have weekly blood tests throughout clozapine treatment
- C. After a year blood tests can be discontinued
- D. An amber report from the monitoring body indicates that clozapine should be stopped immediately
- E. A red alert indicates that clozapine could be restarted in a patient who previously had an amber report

55. Sleep spindles and K complexes on electroencephalogram (EEG) are seen in which of the following phase of sleep?

- A. REM phase
- B. Stage 1 NREM phase
- C. Stage 2 NREM phase
- D. Stage 3 NREM phase
- E. Stage 4 NREM phase

53. A patient known to have bipolar illness is on lithium. Which of the following will prompt you to check his lithium levels?

- A. Delayed ankle jerk
- B. Rising serum creatinine
- C. Dysarthria
- D. Fine tremor
- E. Alopecia

54. Which one of the following is a physical sign noted in anorexia nervosa?

- A. Lanugo hair
- B. Grey hair
- C. Brown hair
- D. Alopecia areata
- E. Thickened, coarse hair

1. Aripiprazole is

- A. A partial agonist at the dopamine receptor
- B. A full agonist at the dopamine receptor
- C. A dopamine receptor antagonist
- D. An inverse agonist
- E. A reuptake inhibitor at the dopamine receptor

2. Lofexidine is an

- A. Alpha 2 autoreceptor agonist
- B. Alpha 1 postsynaptic agonist
- C. Alpha 2 autoreceptor antagonist
- D. Alpha 2 heteroreceptor agonist
- E. Noradrenaline reuptake inhibitor

3. Which of the following is NOT a reuptake inhibitor?

- A. Cocaine
- B. Sertraline
- C. Clomipramine
- D. Bupropion
- E. Buspirone

63. A patient with bipolar disorder recently stabilized on medications is brought to you with a history of fever for 4 days and blurred vision, muscle fasciculation, hyperactive tendon reflexes, and persistent nausea and vomiting for the last 2 days. Which one of the following may be implicated?

- A. Haloperidol
- B. Lithium**
- C. Valproate
- D. Clonazepam
- E. Carbamazepine

25. Select one side-effect of antipsychotics that appears earlier than the others when initiating treatment:

- A. Tardive dyskinesia
- B. Akathisia
- C. Parkinsonism
- D. Hypothyroidism
- E. Weight gain

22. Which of the following drugs stabilizes dopamine release through its action on dopamine receptors?

- A. Aripiprazole
- B. Quetiapine
- C. Haloperidol
- D. Olanzapine
- E. Chlorpromazine

8. If a young male is administered 400 mg of lithium once daily, the average time taken for lithium to reach a steady state in plasma is

- A. 1 day
- B. 2 days
- C. 10 days
- D. 4 days
- E. 8 days

33. A 30-year-old man is started on amitriptyline. He develops dry mouth, constipation, and blurred vision. Action on which of the following receptors could explain the side-effects described?

- A. Dopamine
- B. Histamine
- C. Muscarinic
- D. Norepinephrine
- E. Serotonin

35. Considering psychopharmacology in perinatal psychiatry, which one of the following is true?

- A. Absolute risk of Ebstein's anomaly in patients treated with lithium is 0.05 to 0.1%
- B. Low-potency, typical antipsychotics are preferred to high-potency drugs
- C. Tricyclic antidepressants should be avoided in pregnancy
- D. SSRIs do not cause neonatal withdrawal syndromes
- E. Animal studies have found no effect of psychotropic medication on brain development and behaviour of the fetus

47. Which of the following antipsychotics has the LEAST effect on weight gain?

- A. Aripiprazole
- B. Olanzapine
- C. Quetiapine
- D. Risperidone
- E. Clozapine

51. Which of the following is potentially antagonistic at dopamine receptors?

- A. Imipramine
- B. Clomipramine
- C. Amoxapine
- D. Amitriptyline
- E. Nortriptyline

54. Serotonin syndrome is possible when SSRIs are combined with which of the following?

- A. Lithium
- B. MAOIs
- C. Sumatriptan
- D. Tryptophan
- E. All of the above

10. The first antidepressants to be discovered were

- A. SSRIs
- B. MAOIs
- C. TCAs
- D. Amphetamines
- E. Benzodiazepines

58. Which of the following is true with regard to lamotrigine?

- A. Valproate decreases levels of lamotrigine
- B. Carbamazepine increases the level of lamotrigine
- C. Lamotrigine monotherapy has been found to be effective in bipolar mania
- D. Lamotrigine induces cytochrome enzymes
- E. Lamotrigine blocks voltage-dependent sodium channels

57. Which of the following is associated with leucocytosis?

- A. Clozapine
- B. Mianserin
- C. Mirtazapine
- D. Lithium**
- E. Carbamazepine

23. In a large, multicentre trial reported in 1988, Kane demonstrated that clozapine was superior in treatment-resistant schizophrenia patients compared to which of the following drugs?

- A. Haloperidol
- B. Chlorpromazine
- C. Olanzapine
- D. Fluphenazine
- E. Thoridazine

28. Which one of the following psychopathologies is influenced more significantly by cultural differences than the others listed?

- A. Delusions
- B. Somatization
- C. Hallucinations
- D. Mania
- E. Obsessions