

1. **Question:** Which neurotransmitter is involved with the reinforcing effects of nicotine?

dopamine Serotonin, glutamate, and norepinephrine

2. **Question:** The PMHMP diagnosed a 12-year-old client with ADHD. The client's mother is hesitant to start any medication because she heard they were all addicted. The PMHMP states the client will be starting on extended release the minute. How does an extended release stimulant affect Dopamine transporter DAT occupancy to decrease risk of abuse and decreasing euphoria?

A. Slow onset and lower degrees of DAT.

Slow onset and higher degrees of DAT, pulsatile release of high degrees of DAT, rapid in the high degrees of DAT

3. **Question:** Which SSRI is considered the best tolerated with the fewest CYP mediated drug interactions?

C. ESCITALOPRAM

Citalopram, fluoxetine, sertraline

4. **Question:** Which antidepressant has FDA approval for the treatment of fibromyalgia and diabetic peripheral neuropathy?

C. DULOXETINE

Fluoxetine , bupropion, venlafaxine

5. **Question:** A client with a history of opioid use disorder and alcohol. Use disorder is committed to maintaining abstinence from both substances. Which FDA approved medication has an indication for alcohol use disorder and would be appropriate for this client?

A. Naltrexone

B. Naloxone C. Acamprosate D. Gabapentin

6. **Question:** Which medication promotes sleep by blocking histamine release?

A. Benadryl

B. Ramelteon C. Trazodone D. Ambien.

7. **Question:** A client was offered a choice between naltrexone and acamprosate for medication assisted therapy for alcohol Use disorder. Which is the most accurate statement regarding these medication's?

C. Naltrexone is available as one daily oral dosage or once monthly injection.

A. Naltrexone should be avoided in a client with kidney disease., B. Clients taking acamprosate, since you have better adherence., d. Naltrexone cannot be taken if the client is still drinking.

8. **Question:** The nurse practitioner is treating an adult client with major depressive disorder, history of alcohol, abuse, anxiety, and ADHD. Which of the following medications may improve symptoms of all comorbidities when augmented with an antidepressant and/or anxiolytic?

A. Bupropion (Wellbutrin)

9. **Question:** A client with fibromyalgia reports feeling a need to constantly move her legs while trying to sleep. Which medication class should be considered first?

C. Dopamine agonist.

10. **Question:** Which of the following best describes why adults with ADD/ADHD tend to have more comorbid mental health diagnoses than children?

C. The rates recognize comorbidities increase overtime.

11. **Question:** A 16-year-old female admits to eat in large quantities of food and spurts. She then takes diuretics and exercises strenuously to try to make up for the calories.

The client does this a few times a week. She is of normal weight. What is the first line FDA approved treatment? B. Fluoxetine

12. **Question:** Which medication is associated with risk of priapism?

**A. Trazodone**

13. **Question:** Which of the following clients would be at highest risk for increase suicidality with initiation of a prescription for fluoxetine?

**A. An 18 year old with hypersomnolence.**

14. **Question:** Clients with oppositional ADHD symptoms can be argumentative, disobedient, aggressive, and exempted and exhibit temper tantrums. These behaviors are hypothetically linked to low levels of epinephrine and dopamine in which area of the brain?

**D. Ventromedial prefrontal cortex.**

15. **Question:** An 87-year-old client with mild cognitive impairment is suspected of being in the early stage of Alzheimer's disease. Although currently only used for research purposes, which biomarker evidence supports a diagnosis of Alzheimer's disease?

**D. Increased levels of brain amyloid beta on positron emission tomography PET scans.**

16. **Question:** There are three stages of Alzheimer's disease. Which stage involves cognitive or behavioral problems that interfere with function and every day activities?

**B. dementia**

17. **Question:** What is the most successful psychopharmacological approach to boost cholinergic functioning and memory in clients with Alzheimer's disease?

**A. block acetylcholinesterase**

18. **Question:** Which SSRI medication is FDA approved as a first line treatment for bulimia nervosa?

**D. Fluoxetine.**

19. **Question:** When switching from a serotonergic drug to a MAOI. What is the appropriate timeframe to ensure a complete washout of the serotonergic drug?

**D. One must wait at least five half-lives after discontinuing a serotonergic drug before**