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D. Pharm Exit Exam - 2024

Course Name	: D. Pharm
Year	: Second Year
Subject Name	: Pharmacology
Topic Name	: Anti-depressant drugs

MULTIPLE CHOICE QUESTION

1. Which of the following neurotransmitters is primarily targeted by most antidepressant drugs?

- A) Dopamine
- B) Serotonin
- C) Acetylcholine
- D) Glutamate

Answer: B) Serotonin

2. Which class of antidepressants is known for inhibiting the reuptake of serotonin and norepinephrine?

- A) Selective serotonin reuptake inhibitors (SSRIs)
- B) Monoamine oxidase inhibitors (MAOIs)
- C) Tricyclic antidepressants (TCAs)
- D) Atypical antidepressants

Answer: A) Selective serotonin reuptake inhibitors (SSRIs)

3. Which antidepressant class is associated with the inhibition of monoamine oxidase enzyme?

- A) SSRIs
- B) TCAs
- C) MAOIs
- D) Atypical antidepressants

Answer: C) MAOIs

4. Which of the following is NOT a common side effect of SSRIs?

- A) Weight gain
- B) Sexual dysfunction
- C) Insomnia
- D) Nausea

Answer: A) Weight gain

5. Bupropion is classified as:

- A) An SSRI
- B) A TCA
- C) A MAOI

D) An atypical antidepressant

Answer: D) An atypical antidepressant

6. Which antidepressant class is associated with potentially dangerous interactions with certain foods rich in tyramine?

A) SSRIs

B) TCAs

C) MAOIs

D) Atypical antidepressants

Answer: C) MAOIs

7. Which neurotransmitter is primarily targeted by TCAs?

A) Serotonin

B) Dopamine

C) Norepinephrine

D) GABA

Answer: C) Norepinephrine

8. Which antidepressant class is often considered the first-line treatment for depression due to their favorable side effect profile and safety?

A) SSRIs

B) MAOIs

C) TCAs

D) Atypical antidepressants

Answer: A) SSRIs

9. Which of the following is a common side effect of TCAs?

A) Weight loss

B) Sedation

C) Sexual dysfunction

D) Hyponatremia

Answer: B) Sedation

10. Duloxetine belongs to which class of antidepressants?

A) SSRIs

B) TCAs

C) SNRIs

D) MAOIs

Answer: C) SNRIs (Serotonin-norepinephrine reuptake inhibitors)

11. Which antidepressant is commonly used to help with smoking cessation?

- A) Venlafaxine
- B) Duloxetine
- C) Bupropion
- D) Mirtazapine

Answer: C) Bupropion

12. Which class of antidepressants is known for causing significant anticholinergic side effects?

- A) SSRIs
- B) TCAs
- C) MAOIs
- D) Atypical antidepressants

Answer: B) TCAs

13. Which antidepressant class has a potential risk of serotonin syndrome when combined with other serotonergic medications?

- A) SSRIs
- B) TCAs
- C) MAOIs
- D) Atypical antidepressants

Answer: A) SSRIs

14. Which of the following is NOT an atypical antidepressant?

- A) Mirtazapine
- B) Trazodone
- C) Vilazodone
- D) Fluoxetine

Answer: D) Fluoxetine

15. Which antidepressant is often used for depression with insomnia due to its sedating properties?

- A) Fluoxetine
- B) Escitalopram
- C) Trazodone
- D) Sertraline

Answer: C) Trazodone

16. Which of the following is a potential side effect of MAOIs when combined with certain foods or medications?

- A) Hypotension
- B) Hypertensive crisis
- C) Hyperglycemia
- D) Bradycardia

Answer: B) Hypertensive crisis

17. Which antidepressant class is often considered safer for use in elderly patients due to their lower risk of adverse effects?

- A) SSRIs
- B) TCAs
- C) MAOIs
- D) Atypical antidepressants

Answer: A) SSRIs

18. Which antidepressant is commonly used to treat depression in adolescents and young adults?

- A) Amitriptyline
- B) Paroxetine
- C) Imipramine
- D) Phenelzine

Answer: B) Paroxetine

19. Which of the following is NOT a common side effect of atypical antidepressants?

- A) Weight gain
- B) Dry mouth
- C) Sexual dysfunction
- D) Orthostatic hypotension

Answer: D) Orthostatic hypotension

20. Which antidepressant class is associated with the highest risk of discontinuation syndrome upon abrupt cessation?

- A) SSRIs
- B) TCAs
- C) MAOIs
- D) Atypical antidepressants

Answer: A) SSRIs