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Course Name : D. Pharm

Year : Second Year

Subject Name : Pharmacology

Topic Name : Mydriatics

MULTIPLE CHOICE QUESTION

1. What is the primary purpose of mydriatics?

- A) Constricting the pupils
- B) Dilating the pupils
- C) Relieving pain
- D) Lowering intraocular pressure

Answer: B) Dilating the pupils

2. Which of the following conditions is commonly treated with mydriatics?

- A) Glaucoma
- B) Cataracts
- C) Macular degeneration
- D) Retinal detachment

Answer: B) Cataracts

3. Which neurotransmitter is primarily targeted by mydriatic drugs?

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

Answer: D) Norepinephrine

4. Which class of medication includes tropicamide?

- A) Beta blockers
- B) Alpha agonists
- C) Mydriatics
- D) Prostaglandin analogs

Answer: C) Mydriatics

5. Mydriatics work by:

- A) Constricting the pupil and opening the trabecular meshwork
- B) Increasing the drainage of aqueous humor
- C) Dilating the pupil and relaxing the ciliary muscles
- D) Blocking the production of aqueous humor

Answer: C) Dilating the pupil and relaxing the ciliary muscles

6. Tropicamide is commonly used for:

- A) Temporary dilation of the pupil for eye examination
- B) Lowering intraocular pressure in glaucoma
- C) Treating conjunctivitis
- D) Preventing retinal detachment

Answer: A) Temporary dilation of the pupil for eye examination

7. Which of the following is a potential side effect of mydriatic drugs?

- A) Miosis
- B) Hypotension
- C) Dry mouth
- D) Narrowing of the visual field

Answer: C) Dry mouth

8. What is the main mechanism of action of mydriatics?

- A) Increasing intraocular pressure
- B) Decreasing intraocular pressure
- C) Constricting the pupil
- D) Dilating the pupil

Answer: D) Dilating the pupil

9. Which of the following statements about mydriatics is true?

- A) They are primarily used to treat glaucoma.
- B) They cause constriction of the pupil.
- C) They decrease the drainage of aqueous humor.
- D) They can worsen narrow-angle glaucoma.

Answer: D) They can worsen narrow-angle glaucoma.

10. Which of the following is a contraindication for using mydriatics?

- A) Open-angle glaucoma
- B) Myopia
- C) Retinal detachment
- D) Dry eye syndrome

Answer: C) Retinal detachment

11. Mydriatics are least likely to be effective in which type of glaucoma?

- A) Open-angle glaucoma
- B) Angle-closure glaucoma
- C) Normal-tension glaucoma
- D) Pigmentary glaucoma

Answer: B) Angle-closure glaucoma

12. Which of the following is a long-acting mydriatic agent?

- A) Phenylephrine
- B) Tropicamide
- C) Atropine
- D) Cyclopentolate

Answer: C) Atropine

13. Which of the following is not a common side effect of mydriatic drugs?

- A) Headache
- B) Blurred vision
- C) Dry eyes
- D) Increased tearing

Answer: D) Increased tearing

14. Which of the following is a muscarinic antagonist used as a mydriatic agent?

- A) Latanoprost
- B) Timolol
- C) Brimonidine
- D) Tropicamide

Answer: D) Tropicamide

15. Mydriatics primarily act on which part of the eye?

- A) Cornea
- B) Lens
- C) Retina
- D) Iris and ciliary body

Answer: D) Iris and ciliary body

16. Which of the following is a potential systemic side effect of mydriatic drugs?

- A) Hypertension
- B) Bradycardia
- C) Hyperglycemia
- D) Hyperthyroidism

Answer: A) Hypertension

17. Which of the following mydriatic agents is typically used for prolonged dilation?

- A) Tropicamide
- B) Phenylephrine
- C) Atropine

D) Cyclopentolate

Answer: C) Atropine

18. Which of the following is an example of a direct-acting mydriatic agent?

A) Atropine

B) Brimonidine

C) Latanoprost

D) Timolol

Answer: A) Atropine

19. Mydriatic drugs are least likely to be used in the treatment of:

A) Angle-closure glaucoma

B) Open-angle glaucoma

C) Secondary glaucoma

D) Normal-tension glaucoma

Answer: A) Angle-closure glaucoma

20. Which of the following statements about mydriatics is false?

A) They may cause dry mouth as a side effect.

B) They are contraindicated in angle-closure glaucoma.

C) They primarily work by dilating the pupil.

D) They can cause blurry vision due to pupil dilation.

Answer: C) They primarily work by dilating the pupil.