

1. Which of the D<sub>2</sub> agonists below stimulates mainly dopaminergic receptors D<sub>2</sub>, D<sub>3</sub> and D<sub>4</sub>?

- A. Metoclopramide
- B. Amytryptiline
- C. Bromocriptine
- D. Pramipexole
- E. Pergolide

2. Which of the following is not an indication for at least one of D<sub>2</sub>-agonists?

- 1. pituitary gland tumor
- 2. nausea
- 3. motoric disabilities
- 4. migraine
- 5. schizophrenia

- A. 1, 3, 4
- B. 2, 5
- C. 1, 2, 3, 4, 5
- D. 1, 3
- E. 3

3. Retroperitoneal fibrosis is least probable as a side effect of which of the following?

- A. Bromocriptine
- B. Pramipexole
- C. Pergolide
- D. Answers B and C are correct
- E. Answers A and B are correct

4. Which of the following has a longer half-life time than pergolide?

- A. Bromocriptine
- B. L-Dopa
- C. Cabergoline
- D. Answers A and C are correct
- E. None of the answers above is true

5. Which part(s) of the sentence is(are) true?  
*( I ) Fibrosis as a side effect of D<sub>2</sub>-agonists is associated with the stimulation of receptor 5HT-2B, ( II ) that is why, ( III ) it occurs most commonly in the retroperitoneum.*

- A. I
- B. I, II, III
- C. I, III
- D. III
- E. none

6. Which of the following D-2 agonists is used in RLS therapy?

- A. Ergotamine
- B. Ergonovine
- C. Methylergonovine
- D. Methysergide
- E. Pergolide

7. Postabortum hemorrhage is an indication for which of the following D<sub>2</sub>-agonists?

1. Lisuride
2. Methylergonovine
3. Methysergide
4. Ergonovine
5. Cabergoline
6. Bromocriptine
7. Pramipexol

- A. 1, 2, 3, 4, 5, 7
- B. 2, 3
- C. 2, 3, 7
- D. 2, 4
- E. 3

8. Which symptoms may **likely** occur as side effects of pergolide?

1. pleural fibrosis
2. shortness of breath
3. hypothyroidism
4. cough
5. prolactinoma

- A. 1, 2, 3, 4, 5
- B. 1, 2, 4
- C. 1, 3, 4
- D. 1, 3, 4, 5
- E. 1

9. In comparison to pergolide, lower frequency of fibrosis as a side effect during pharmacotherapy of PD based on pramipexole is likely related with:

1. pramipexole's higher affinity to 5HT<sub>2B</sub> receptors
2. the fact that pergolide is a 5HT<sub>2B</sub> agonist
3. pramipexole's affinity to D<sub>2</sub> receptors
4. pergolide's high affinity to D<sub>2</sub> receptors

- A. 1, 2, 3, 4
- B. 1, 3
- C. 2, 4
- D. 2
- E. 2, 3, 4

10. Retroperitoneal fibrosis during the use of bromocriptine is a side effect:

1. that affects more than 20% of the patients treated
2. is irreversible
3. is less severe than during the use of lisuride
4. can be related with local irritation

- A. 1, 2, 3, 4
- B. 1, 2, 3
- C. 4
- D. 3, 4
- E. 2, 3, 4