

# CNS-Pharmacology

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Archive

Lecture 5

Anti-Parkinson Drugs

Collected By :

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# CNS-Pharmacology **Lecture 5**

1. Which of the following drugs isn't a dopamine receptor agonist?

- A) Selegiline
- B) Bromocriptine
- C) Apomorphine
- D) Pramipexole

Answer: a

2. All the following are true about Levodopa except?

- a. Levodopa is a metabolic precursor of dopamine
- b. Levodopa causes motor control fluctuations
- c. Levodopa crosses the blood-brain barrier
- d. It is carboxylated to dopamine in the periphery
- e. It causes nausea, vomiting, cardiac arrhythmias, and hypotension

Answer: d

3. Which of the following is not used for Parkinson?

- a. Levodopa
- b. Dopamine agonists
- c. Dopamine antagonists
- d. Rasagiline

Answer: c

4. All of the following is an anti-Parkinson drug except :

- a. Levodopa
- b. Amantadine
- c. Bromocriptine
- d. Serotonin
- e. tolcapone

Answer: d

5. Which of the following drugs is a Monoamine Oxidase Inhibitor?

- a. Citalopram
- b. selegiline
- c. Amitriptyline
- d. Doxepin

Answer: b

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الأسئلة التالية هي أرشيف سابق وهي لا تتعلق بشكل مباشر مع المحاضرات السنة الحالية

All the following are true except? Select one:

- a. Carbidopa increases the availability of levodopa to the CNS
- b. Concomitant administration of levodopa and monoamine reductase (MAO) inhibitors
- c. Selegiline decreases metabolism of dopamine and increases dopamine levels in brain
- d. Catechol-O-methyltransferase metabolizes levodopa to 3-O-methyldopa
- e. Rotigotine activates the dopamine receptors to in patients with advanced Parkinson's disease complicated by motor fluctuations and dyskinesias

Ans:(e)

One of the following is catechol O methyltransferase inhibitor?

- a. Entacapone
- b. Selegiline
- c. Bromocriptine
- d. Rotigotine
- e. Apomorphine

Ans:(a)

All the following are true except?

- a. Benztropine, trihexyphenidyl, procyclidine and biperiden are antimuscarinic agents
- b. Amantadine has several effects including Inhibiting N-methyl-D-aspartate type of glutamate receptors
- c. Rotigotine has duration of action longer than that of levodopa and therefore less effective in patients exhibiting fluctuations in their response to levodopa
- d. Antimuscarinic agents interfere with gastrointestinal peristalsis and are contraindicated in patients with glaucoma, prostatic hyperplasia, or pyloric stenosis.
- e. Stalevo is an excellent combination of drugs for the management of Parkinson disease

All the following are true except? Select one:

- a. Haloperidol and pramipexole antagonize the dopamine receptors and causes secondary parkinsonism
- b. Levodopa is a metabolic precursor of dopamine restoring dopaminergic system by enhancing synthesis of dopamine
- c. levodopa is actively transported into CNS and is converted to dopamine in brain
- d. Carbidopa diminishes metabolism of levodopa in gastrointestinal tract and peripheral tissues; thus, it increases availability of levodopa to CNS
- e. Levodopa has short half-life causing fluctuations in plasma concentration and may produce — fluctuations in motor response

Ans:(c)

Ans:(a)

5.Which one is Catechol-O-methyltransferase inhibitor?

Tolcapone

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- Antimuscarinic agents interfere with gastrointestinal peristalsis and are contraindicated in patients with glaucoma, prostatic hyperplasia, or pyloric stenosis
- Stalevo is an excellent combination of drugs for the management of Parkinson disease

Answer: c

