

CNS-Pharmacology

Archive

Lecture 1

**Sedative hypnotics (1)
Benzodiazepines and
related drugs**

Edited by :
malak alqadi

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1. False about adverse effect of benzodiazepines?

- a. Decrease reaction time
- b. Motor incoordination
- c. Confusion
- d Fatigue
- e. amnesia

Answer: A

2. Which of the following is not used as a hypnotic?

- A. Amphetamine
- B. Zolpidem
- C. Zaleplon
- d. Eszopiclone

Answer: A

3. Which of the following is incorrect about benzodiazepines?

- a. Safe to use with alcohol
- b. Motor incoordination
- c. Confusion
- d Fatigue
- e. amnesia

Answer: A

4. All are false according to sedative hypnotics EXCEPT :

- a. Phenobarbital long acting on Cl channels
- b. Lorazepam activate GABA A directly

Answer: B

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5. Which one of the following is false about benzodiazepines?

- a. They increase entry of chloride ions into neurons acted upon by GABA.
- b. They can cause skeletal muscle relaxation.
- c. They can cause psychomotor slowing.
- d. They can reduce delusions and hallucinations in psychotic patients.
- e. Use of large doses can induce sleep and cause anterograde amnesia.

Answer: D

6. The following may be adverse effects of therapeutic doses of BDZs except?

- a. Impaired cognition and judgement.
- b. Hangover.
- c. Respiratory depression.
- d. Enhancement of CNS depressant action of ethanol.
- e. Disinhibition.

Answer: C

7. Zolpidem: Which one of the following is false?

- a. It has low incidence of dependence.
- b. It is not helpful for jet-lag insomnia.
- c. It does not bind to BDZ receptors when the GABA-A receptor contains alpha2-subunits.
- d. It has skeletal muscle relaxing and anticonvulsant action.
- e. It is a hypnotic that does not produce hangover or rebound insomnia after sleep.

Answer: D

8. The following have active hepatic metabolite except?

- a. Alprazolam.
- b. Lorazepam.
- c. Diazepam.
- d. Chlordiazepoxide.
- e. Flurazepam

Answer: B

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9. All of the following is true about flumazenil except:

Answer: Patients with suspected benzodiazepine overdose should respond adequately to a cumulative dose of 1-50 mg given over 2-10 minutes

10. One of the following is INCORRECT?

Zolpidem use in acute anticonvulsant

11. Patient taking 2 tablets from lorazepam, doctor says he is in toxicity state, what appropriate action?

- A) Gastric lavage
- B) IV Flumazenil
- C) IV sodium bicarbonate

Answer: B

As per benzodiazepines, one of the following is correct:

- A. They cannot cross BBB nor placenta
- B. They have low plasma protein binding
- C. They are used less than barbiturates
- D. They do not form active metabolites
- E. They are well- absorbed orally

Answer: E

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