

# CNS-Pharmacology

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Archive

Lecture 1

General Anesthesia

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# CNS-Pharmacology **Lecture 1**

1. Which of the following is wrong about anesthesia?

A patient may experience delirium and violent behavior in stage III of anesthesia

2. Regarding ketamine: Which one of the following is false? Select one:

- a. It produces analgesia with hypnosis; however, the eyes remain open.
- b. It is derived from phencyclidine and block NMDA glutamate receptors
- c. It increases blood pressure as well as intracranial and intraocular pressures
- d. It may produce delirium and hallucinations on recovery
- e. It increases respiratory rate and lowers PaCO<sub>2</sub>.

Answer: e

3. Anesthetic drug which has a good analgesic effect + act as a strong bronchodilator?

Answer : Ketamine

4. Which of the following anesthetic drugs cause hepatic toxicity?

Answer : Halothane

5. General anesthesia MOA?

- a. Direct act at GABA-A
- b. Potentiate GABA in GABA-A with no direct effect on NMDA receptor
- c. Activation of nicotine on K<sup>+</sup> currents
- d. Increase chloride efflux

Answer: a

6. Which of the following drugs is contraindicated in a stroke case?

- a. Ketamine
- b. Halothane
- c. Desflurane

Answer: a

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

**Halothane and sevoflurane inhalation anesthetics: Which one of the following is false?**

- a. Sevoflurane is chemically unstable; it decomposes on contact with lime water.
- b. Sevoflurane produce faster induction of anaesthesia than halothane.
- c. Sevoflurane has pleasant smell, and produces less respiratory depression
- d. Halothane causes higher incidence of ventricular arrhythmia.
- e. Metabolism of sevoflurane in liver produces large amount of fluoride radicals.

**Something false about halothane?**

Potent anesthetic and strong analgesic

**Which of the following is not true about anesthetics?**

Opioids cause hypertension and respiratory depression

**The following side effects may be observed with halothane except? Select one:**

- a. Hypotension.
- b. Jaundice
- c. Diffusion anoxia
- d. Ventricular premature contractions.
- e. Hypercapnia

**Answer: e**

**Which one of the following is false about isoflurane?**

- a. It has a pleasant smell.
- b. It has lower blood solubility than halothane
- c. It lowers blood pressure due to lowering of total peripheral resistance.
- d. It can be used with CO<sub>2</sub> absorption system (lime water) in the semiclosed method
- e. It depresses respiration insignificantly

**Ans:(d)**