

PHARMACOLOGY

(LEC 11)

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MCQS

Here are 10 multiple-choice questions (MCQs) based on the information provided in the text:

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1. What is the primary goal of rational drug use?
 - a) To make medications available to everyone
 - b) To provide medications at the highest cost
 - c) To ensure patients receive appropriate medications at the lowest cost
 - d) To encourage overuse of injections
2. Which organization advises measures to ensure the rational use of drugs?
 - a) WHO
 - b) FDA
 - c) CDC
 - d) AMA
3. Which of the following is NOT a common cause of irrational drug use?
 - a) Poly-pharmacy
 - b) Poor compliance
 - c) Misuse of antimicrobials
 - d) Prescription according to clinical guidelines

4. How should the choice of effective drugs be based?

- a) Popularity among patients
- b) Cost-effectiveness for healthcare professionals
- c) Efficacy, cost, and chosen from Essential Drugs
- d) Availability at the nearest pharmacy

5. What is the definition of a medication error?

- a) Any event that may cause inconvenience to a patient
- b) Any preventable event that may cause harm to a patient
- c) A common side effect of medications
- d) A medication that is too expensive

6. Which type of medication error is the most common, accounting for 41% of fatal medication errors?

- a) Giving the wrong drug
- b) Administration of an improper dose of medicine
- c) Poor communication between healthcare providers
- d) Misuse of medication-related tools

7. What is a significant cause of medication errors, particularly when handwriting is involved?

- a) Lack of patient understanding about drug directions
- b) Electronic prescribing
- c) Poor communication between healthcare providers
- d) Poor handwriting

8. Medication errors may stem from all of the following EXCEPT:

- a) Misinterpreted handwriting
- b) Drug name confusion
- c) Lack of employee knowledge
- d) Patient understanding about drug directions

9. Which of the following is NOT a suggested method to prevent medication errors?

- a) Patient communication
- b) Education and training
- c) Encouraging poor handwriting
- d) Electronic prescribing

10. What is the primary purpose of having a National List of Essential Drugs?

- a) To make drugs expensive and exclusive
- b) To ensure the availability of all drugs in the community
- c) To list effective drugs commonly used in the community
- d) To regulate drug marketing and advertising

Answers and explanations:

Here are the answers and explanations for the 10 multiple-choice questions:

1. What is the primary goal of rational drug use?

Answer: c) To ensure patients receive appropriate medications at the lowest cost

Explanation: Rational drug use aims to provide patients with medications that are suitable for their clinical needs while minimizing costs, making option c) the correct choice.

2. Which organization advises measures to ensure the rational use of drugs?

Answer: a) WHO

Explanation: The World Health Organization (WHO) is known for providing guidelines and measures to ensure the rational use of drugs, as mentioned in the text.

3. Which of the following is NOT a common cause of irrational drug use?

Answer: d) Prescription according to clinical guidelines

Explanation: The prescription according to clinical guidelines is a part of rational drug use. Options a, b, and c are common causes of irrational drug use, as mentioned in the text.

4. How should the choice of effective drugs be based?

Answer: c) Efficacy, cost, and chosen from Essential Drugs

Explanation: The choice of effective drugs should consider their efficacy, cost-effectiveness, and whether they are listed as Essential Drugs for common use, as stated in the text.

5. What is the definition of a medication error?

Answer: b) Any preventable event that may cause harm to a patient

Explanation: The text defines a medication error as any preventable event that may lead to inappropriate medication use or harm to the patient, making option b) correct.

6. Which type of medication error is the most common, accounting for 41% of fatal medication errors?

Answer: b) Administration of an improper dose of medicine

Explanation: The text mentions that the administration of an improper dose of medicine is the most common type of medication error, accounting for 41% of fatal errors, supporting option b).

7. What is a significant cause of medication errors, particularly when handwriting is involved?

Answer: d) Poor handwriting

Explanation: Poor handwriting is a significant cause of medication errors, making option d) the correct choice.

8. Medication errors may stem from all of the following EXCEPT:

Answer: a) Misinterpreted handwriting

Explanation: All options except a) are causes of medication errors as mentioned in the text.

9. Which of the following is NOT a suggested method to prevent medication errors?

Answer: c) Encouraging poor handwriting

Explanation: Encouraging poor handwriting is not a suggested method to prevent medication errors. All other options are mentioned as methods to prevent errors.

10. What is the primary purpose of having a National List of Essential Drugs?

Answer: c) To list effective drugs commonly used in the community

Explanation: The National List of Essential Drugs is created to list effective drugs that are commonly used in the community, ensuring their availability, as stated in the text.

Regarding qs:

Here are 10 multiple-choice questions (MCQs) based on the provided text, each with 5 choices. You'll need to identify the incorrect sentence in each question:

1. Regarding rational drug use, find the wrong sentence from the following choices:

- A. Rational drug use aims to provide medications appropriate to clinical needs.
- B. It should be at the highest possible cost to ensure quality.
- C. Patients should receive medications at the lowest cost.
- D. Rational drug use discourages overuse of injections.
- E. It involves choosing drugs from the National List of Essential Drugs.

2. Which organization advises measures to ensure the rational use of drugs?

- A. FDA
- B. WHO
- C. CDC
- D. AMA
- E. UNICEF

3. Which of the following is NOT a common cause of irrational drug use?

- A. Poly-pharmacy
- B. Poor compliance
- C. Prescription according to clinical guidelines
- D. Misuse of antimicrobials
- E. Over-use of injections

4. How should the choice of effective drugs be based?

- A. Popularity among patients
- B. Cost-effectiveness for healthcare professionals

- C. Efficacy, cost, and chosen from Essential Drugs
- D. Availability at the nearest pharmacy
- E. All drugs should be equally available.

5. What is the definition of a medication error?

- A. Any preventable event causing patient harm
- B. Any event leading to inappropriate medication use
- C. Medication errors are always intentional.
- D. Medication errors only happen during administration.
- E. Medication errors have no impact on patients.

6. Which type of medication error is the most common, accounting for 41% of fatal medication errors?

- A. Giving the wrong drug
- B. Administration of an improper dose of medicine
- C. Errors related to patient monitoring
- D. Misuse of medication-related tools
- E. Poor communication between healthcare providers

7. What is a significant cause of medication errors, particularly when handwriting is involved?

- A. Lack of employee knowledge
- B. Electronic prescribing
- C. Misinterpreted handwriting
- D. Poor communication between healthcare providers
- E. Lack of patient understanding about drug directions

8. Medication errors may stem from all of the following EXCEPT:

- A. Poor communication
 - B. Misinterpreted handwriting
 - C. Drug name confusion
 - D. Lack of employee knowledge
 - E. Lack of patient understanding about drug directions
9. Which of the following is NOT a suggested method to prevent medication errors?
- A. Patient communication
 - B. Electronic prescribing
 - C. Encouraging poor handwriting
 - D. Intraprofessional communication
 - E. Reporting
10. What is the primary purpose of having a National List of Essential Drugs?
- A. To make drugs expensive and exclusive
 - B. To ensure the availability of all drugs in the community
 - C. To list effective drugs commonly used in the community
 - D. To regulate drug marketing and advertising
 - E. To discourage physicians from prescribing certain drugs.

Answers and explanations:

Here are the answers and explanations for the 10 multiple-choice questions:

1. Regarding rational drug use, find the wrong sentence from the following choices:

Answer: B. It should be at the highest possible cost to ensure quality.

Explanation: This statement is incorrect. Rational drug use aims to provide medications at the lowest cost while meeting clinical needs. Option B contradicts the principles of rational drug use.

2. Which organization advises measures to ensure the rational use of drugs?

Answer: B. WHO

Explanation: This is the correct answer. The World Health Organization (WHO) advises measures to ensure the rational use of drugs, as mentioned in the text.

3. Which of the following is NOT a common cause of irrational drug use?

Answer: C. Prescription according to clinical guidelines

Explanation: This statement is incorrect. Prescription according to clinical guidelines is considered a part of rational drug use, as mentioned in the text.

4. How should the choice of effective drugs be based?

Answer: E. All drugs should be equally available.

Explanation: This statement is incorrect. The choice of effective drugs should be based on efficacy, cost-effectiveness, and the selection from the National List of Essential Drugs. All drugs being equally available is not a principle of rational drug use.

5. What is the definition of a medication error?

Answer: C. Medication errors are always intentional.

Explanation: This statement is incorrect. Medication errors are not always intentional. The text defines a medication error as any preventable event that may lead to inappropriate medication use or harm to the patient.

6. Which type of medication error is the most common, accounting for 41% of fatal medication errors?

Answer: A. Giving the wrong drug

Explanation: This is the correct answer. Giving the wrong drug is the most common type of medication error, accounting for 41% of fatal errors, as stated in the text.

7. What is a significant cause of medication errors, particularly when handwriting is involved?

Answer: B. Electronic prescribing

Explanation: This statement is incorrect. Poor handwriting is a significant cause of medication errors when handwritten prescriptions are involved, not electronic prescribing.

8. Medication errors may stem from all of the following EXCEPT:

Answer: B. Misinterpreted handwriting

Explanation: This is the correct answer. Misinterpreted handwriting is a common cause of medication errors, and all other options are mentioned as causes of medication errors in the text.

9. Which of the following is NOT a suggested method to prevent medication errors?

Answer: C. Encouraging poor handwriting

Explanation: This statement is incorrect. Encouraging poor handwriting is not a suggested method to prevent medication errors. All other options are mentioned as methods to prevent errors.

10. What is the primary purpose of having a National List of Essential Drugs?

Answer: E. To discourage physicians from prescribing certain drugs.

Explanation: This statement is incorrect. The primary purpose of having a National List of Essential Drugs is to list effective drugs commonly used in the community and ensure their availability, as stated in the text. It is not meant to discourage physicians from prescribing drugs.

