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**Nursing** 

# **ADM-BC**

AADE Advanced Diabetes Management Board Certification









#### **Question: 1**

Which laboratory test is most useful for monitoring kidney function in patients with diabetes?

- A. Serum creatinine.
- B. Blood urea nitrogen (BUN).
- C. Glomerular filtration rate (GFR).
- D. Urine albumin-to-creatinine ratio.

Answer: C

Explanation: Glomerular filtration rate (GFR) is the most useful laboratory test for monitoring kidney function in patients with diabetes. GFR measures the rate at which the kidneys filter waste products from the blood and is considered the best overall indicator of kidney function. It is used to assess the stage of chronic kidney disease (CKD) and guide treatment decisions. Other tests such as serum creatinine, blood urea nitrogen (BUN), and urine albumin-to-creatinine ratio may also provide valuable information but are not as comprehensive as GFR.

#### **Question: 2**

Which assessment tool is commonly used to diagnose diabetes mellitus?

- A. Oral glucose tolerance test.
- B. Fasting plasma glucose test.
- C. Hemoglobin A1C test.
- D. Random plasma glucose test.

Answer: C

Explanation: The Hemoglobin A1C test is a commonly used diagnostic tool for diabetes mellitus. It measures the average blood glucose levels over the past two to three months, providing an indication of long-term glycemic control. It is considered a reliable test for diagnosing diabetes and monitoring treatment effectiveness.

## **Question: 3**

When developing a comprehensive diabetes management plan, which intervention is most effective in promoting glycemic control?

- A. Dietary modifications.
- B. Oral antidiabetic medication.
- C. Insulin therapy.
- D. Regular physical exercise.



Answer: C

Explanation: Insulin therapy is the most effective intervention for promoting glycemic control in patients with diabetes. Insulin is essential for regulating blood glucose levels, and in cases where the body's natural insulin production is insufficient or absent, exogenous insulin is necessary. While other interventions such as oral antidiabetic medication, dietary modifications, and regular physical exercise are important components of diabetes management, they may not be sufficient for achieving optimal glycemic control in all cases.

## **Question: 4**

Which advanced professional practice role focuses on optimizing the use of medications in diabetes management?

A. Clinical pharmacist.

- B. Diabetes nurse specialist.
- C. Certified diabetes educator.
- D. Endocrinologist.

Answer: A

Explanation: The clinical pharmacist plays an important role in optimizing the use of medications in diabetes management. Clinical pharmacists have specialized knowledge in pharmacotherapy and can collaborate with healthcare providers, patients, and other members of the healthcare team to ensure safe and effective medication use. They can provide medication therapy management, conduct medication reviews, and offer guidance on drug interactions, dosing, and monitoring parameters.

#### **Question: 5**

Which of the following is a recommended approach for preventing diabetic foot ulcers?

- A. Frequent application of moisturizing creams.
- B. Regular foot inspections and self-care.
- C. Wearing tight-fitting shoes to provide support.
- D. Avoiding any weight-bearing activities.

Answer: B

Explanation: Regular foot inspections and self-care are recommended approaches for preventing diabetic foot ulcers. Patients with diabetes are at a higher risk of developing foot ulcers due to neuropathy and poor circulation. Regular foot inspections help identify early signs of injury or infection, allowing prompt intervention. Proper foot hygiene, moisturizing with non-

irritating creams, wearing well-fitting shoes, and avoiding weight-bearing activities that may cause trauma are also important preventive measures.

# **Question: 6**

Which ethical principle guides the decision-making process when considering advanced treatment options for patients with diabetes?

- A. Autonomy.
- B. Justice.
- C. Non-maleficence.
- D. Beneficence.

Answer: D

Explanation: The ethical principle of beneficence guides the decision-making process when considering advanced treatment options for patients with diabetes. Beneficence emphasizes the obligation to act in the best interest of the patient and promote their well-being. When evaluating advanced treatment options, healthcare providers consider the potential benefits and risks to determine the course of action that will maximize the patient's overall health outcomes.

# **Question: 7**

Which leadership skill is crucial for promoting interdisciplinary collaboration in diabetes management?

- A. Conflict resolution.
- B. Technical expertise.
- C. Decision-making autonomy.
- D. Effective communication.

Answer: D

Explanation: Effective communication is a crucial leadership skill for promoting interdisciplinary collaboration in diabetes management. Diabetes care often requires the involvement of multiple healthcare professionals, including physicians, nurses, dietitians, pharmacists, and educators. Effective communication ensures that all team members have a clear understanding of the patient's goals, treatment plan, and progress. It facilitates coordination, minimizes errors, and promotes a patient-centered approach to care.

#### **Question: 8**

Which of the following is a primary goal of the evaluation phase in diabetes management?

- A. Achieving optimal blood glucose control.
- B. Reducing the risk of macrovascular complications.
- C. Enhancing patient education.
- D. Identifying barriers to self-management.

Answer: D

Explanation: Identifying barriers to self-management is a primary goal of the evaluation phase in diabetes management. During evaluation, healthcare providers assess the patient's progress, identify factors that may hinder optimal diabetes self-management, and develop strategies to overcome these barriers. While achieving optimal blood glucose control, reducing the risk of complications, and enhancing patient education are important goals, they are often addressed throughout the entire diabetes management process.

#### **Question: 9**

Which of the following is a key component of evaluating the effectiveness of a

diabetes management plan?

- A. Blood pressure measurements.
- B. Hemoglobin A1C levels.
- C. Body mass index (BMI).
- D. Fasting lipid profile.

Answer: B

Explanation: Hemoglobin A1C levels are a key component of evaluating the effectiveness of a diabetes management plan. Hemoglobin A1C reflects the average blood glucose levels over the past two to three months and provides an indication of long-term glycemic control. By monitoring changes in A1C levels, healthcare providers can assess the effectiveness of treatment interventions and make adjustments as necessary. While blood pressure measurements, BMI, and fasting lipid profiles are important parameters to monitor, they provide information on other aspects of overall health and cardiovascular risk.

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