

QUESTION

1. A patient with a long history of chronic kidney disease (CKD) is admitted to the hospital with acute kidney injury (AKI). The patient's baseline creatinine was 2.5 mg/dL, and the current creatinine is 4.5 mg/dL. The patient is on a dialysis regimen. The nurse is monitoring the patient's fluid balance and electrolyte levels. The patient's blood pressure is 160/90 mmHg, and the patient is experiencing nausea and vomiting. The patient's potassium level is 5.5 mEq/L. The nurse is planning to administer a medication to lower the patient's potassium level. Which medication is most appropriate for this patient?

- A. Furosemide
- B. Sodium polystyrene sulfonate
- C. Calcium gluconate
- D. Insulin

ANSWER: B

RATIONALE: Sodium polystyrene sulfonate is a potassium binder that is used to treat hyperkalemia. It is the most appropriate medication for this patient because it is safe and effective for lowering potassium levels in patients with CKD. Furosemide is a loop diuretic that is used to treat fluid overload, but it does not lower potassium levels. Calcium gluconate is used to treat hypocalcemia, and insulin is used to treat hyperglycemia.

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