

QUESTION

1. A patient with a long history of chronic kidney disease (CKD) is being treated with a diuretic. The patient's serum electrolyte levels are as follows:

Electrolyte	Level
Sodium	135 mEq/L
Potassium	3.0 mEq/L
Calcium	8.5 mg/dL
Magnesium	0.8 mg/dL

2. The patient is also receiving a calcium supplement. The patient's serum calcium level is 10.0 mg/dL.

3. The patient's renal function is stable, with a creatinine clearance of 30 mL/min. The patient is on a low-sodium diet.

4. The patient is currently on a diuretic (furosemide) and a calcium supplement (calcium carbonate).

ANSWER

The patient's electrolyte levels are within normal limits, except for the potassium level, which is low (3.0 mEq/L). The patient's calcium level is also low (8.5 mg/dL). The patient's renal function is stable, with a creatinine clearance of 30 mL/min. The patient is on a low-sodium diet.

The patient is currently on a diuretic (furosemide) and a calcium supplement (calcium carbonate). The patient's serum calcium level is 10.0 mg/dL.