

QUESTION

1. A patient with a long history of chronic kidney disease (CKD) is being prepared for a cardiac catheterization procedure. The patient's current laboratory values are as follows:

Parameter	Value
Serum Creatinine	2.5 mg/dL
BUN	35 mg/dL
Serum Potassium	3.0 mEq/L
Serum Calcium	8.5 mg/dL
Serum Phosphorus	4.5 mg/dL

2. The patient is currently on a low-potassium diet and has been prescribed furosemide 40 mg daily. The patient's electrolyte status is being closely monitored.

ANSWER

1. The patient's laboratory values indicate severe CKD (Stage 4-5) with electrolyte imbalances. The serum potassium level is significantly low (3.0 mEq/L), and the serum calcium level is also low (8.5 mg/dL). The patient's BUN and creatinine levels are elevated, indicating advanced renal dysfunction.

2. The patient's electrolyte status is being closely monitored. The patient is currently on a low-potassium diet and has been prescribed furosemide 40 mg daily. The patient's electrolyte status is being closely monitored.

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