

QUESTION

10. A 20-year-old male patient with a 2-year history of chronic kidney disease (CKD) is being evaluated for a kidney transplant. The patient has a long history of hypertension and is currently on dialysis. The patient's medical history is significant for a recent myocardial infarction (MI) and a history of deep vein thromboses (DVTs). The patient is currently on a regimen of antihypertensive medications, including lisinopril and furosemide. The patient's current laboratory values are as follows:

• Serum creatinine: 2.5 mg/dL
• Blood urea nitrogen (BUN): 20 mg/dL
• Hemoglobin (Hb): 10 g/dL
• Hematocrit (Hct): 30%
• Serum potassium (K⁺): 3.5 mEq/L
• Serum calcium (Ca²⁺): 8.5 mg/dL
• Parathyroid hormone-related protein (PTHrP): 150 pg/mL

The patient's physical examination is notable for a recent MI, a history of DVTs, and a current regimen of antihypertensive medications. The patient's current laboratory values are as follows:

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Which of the following is the most appropriate management for this patient's current laboratory values?

1. Administer intravenous calcium gluconate 10% solution 10 mL over 10 minutes.
2. Administer oral calcium carbonate 500 mg twice daily.
3. Administer oral parathyroid hormone (PTH) 1-34 100 units daily.
4. Administer oral parathyroid hormone-related protein (PTHrP) 100 units daily.
5. Administer oral bisphosphonate 4 mg daily.
6. Administer oral vitamin D 2000 IU daily.
7. Administer oral potassium chloride 20 mEq twice daily.
8. Administer oral furosemide 40 mg daily.
9. Administer oral lisinopril 20 mg daily.
10. Administer oral erythropoietin 200 units/kg weekly.

11. A 65-year-old male patient with a long history of hypertension and a recent myocardial infarction (MI) is being evaluated for a kidney transplant. The patient has a long history of hypertension and is currently on dialysis. The patient's medical history is significant for a recent MI and a history of deep vein thromboses (DVTs). The patient is currently on a regimen of antihypertensive medications, including lisinopril and furosemide. The patient's current laboratory values are as follows: