

QUESTION

1. A patient with a long history of chronic kidney disease (CKD) is being treated with a diuretic. The patient's serum potassium level is 2.8 mEq/L. The patient is also taking a beta-blocker and a calcium channel blocker. The patient's blood pressure is 150/90 mmHg. The patient's creatinine level is 2.5 mg/dL. The patient's hemoglobin level is 10 g/dL. The patient's hematocrit level is 30%. The patient's serum calcium level is 8.5 mg/dL. The patient's serum phosphorus level is 4.5 mg/dL. The patient's serum parathyroid hormone-related protein (PTHrP) level is 150 pg/mL. The patient's serum parathyroid hormone (PTH) level is 100 pg/mL. The patient's serum vitamin D level is 10 ng/mL. The patient's serum albumin level is 3.5 g/dL. The patient's serum total protein level is 6.5 g/dL. The patient's serum globulin level is 3.0 g/dL. The patient's serum ferritin level is 100 ng/mL. The patient's serum transferrin level is 2.5 g/L. The patient's serum transferrin saturation level is 20%. The patient's serum iron level is 50 µg/dL. The patient's serum total iron-binding capacity (TIBC) level is 250 µg/dL. The patient's serum transferrin receptor level is 2.5 ng/mL. The patient's serum transferrin receptor level is 2.5 ng/mL. The patient's serum transferrin receptor level is 2.5 ng/mL.

Parameter	Value
Serum potassium	2.8 mEq/L
Blood pressure	150/90 mmHg
Creatinine	2.5 mg/dL
Hemoglobin	10 g/dL
Hematocrit	30%
Serum calcium	8.5 mg/dL
Serum phosphorus	4.5 mg/dL
Serum PTHrP	150 pg/mL
Serum PTH	100 pg/mL
Serum vitamin D	10 ng/mL
Serum albumin	3.5 g/dL
Serum total protein	6.5 g/dL
Serum globulin	3.0 g/dL
Serum ferritin	100 ng/mL
Serum transferrin	2.5 g/L
Serum transferrin saturation	20%
Serum iron	50 µg/dL
Serum TIBC	250 µg/dL
Serum transferrin receptor	2.5 ng/mL

2. A patient with a long history of chronic kidney disease (CKD) is being treated with a diuretic. The patient's serum potassium level is 2.8 mEq/L. The patient is also taking a beta-blocker and a calcium channel blocker. The patient's blood pressure is 150/90 mmHg. The patient's creatinine level is 2.5 mg/dL. The patient's hemoglobin level is 10 g/dL. The patient's hematocrit level is 30%. The patient's serum calcium level is 8.5 mg/dL. The patient's serum phosphorus level is 4.5 mg/dL. The patient's serum parathyroid hormone-related protein (PTHrP) level is 150 pg/mL. The patient's serum parathyroid hormone (PTH) level is 100 pg/mL. The patient's serum vitamin D level is 10 ng/mL. The patient's serum albumin level is 3.5 g/dL. The patient's serum total protein level is 6.5 g/dL. The patient's serum globulin level is 3.0 g/dL. The patient's serum ferritin level is 100 ng/mL. The patient's serum transferrin level is 2.5 g/L. The patient's serum transferrin saturation level is 20%. The patient's serum iron level is 50 µg/dL. The patient's serum total iron-binding capacity (TIBC) level is 250 µg/dL. The patient's serum transferrin receptor level is 2.5 ng/mL. The patient's serum transferrin receptor level is 2.5 ng/mL. The patient's serum transferrin receptor level is 2.5 ng/mL.

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ANSWER



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