

QUESTION

1. A patient with a long history of alcohol abuse presents with a 2-week history of weight loss, weakness, and confusion. On admission, the patient is found to have a serum sodium of 125 mEq/L, serum glucose of 100 mg/dL, and serum urea nitrogen of 18 mg/dL. The patient's physical examination is unremarkable. The patient's laboratory studies are as follows:

Test	Result
Serum sodium	125 mEq/L
Serum glucose	100 mg/dL
Serum urea nitrogen	18 mg/dL
Serum creatinine	1.2 mg/dL
Serum albumin	3.5 g/dL
Serum total protein	7.0 g/dL
Serum calcium	8.5 mg/dL
Serum potassium	3.5 mEq/L
Serum magnesium	1.5 mg/dL
Serum phosphorus	2.5 mg/dL
Serum ferritin	100 ng/mL
Serum transferrin	2.5 g/L
Serum transferrin saturation	10%
Serum transferrin receptor	1.5 mg/L
Serum transferrin receptor-2	1.5 mg/L
Serum transferrin receptor-2:transferrin receptor ratio	1.0
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ANSWERS



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