

### 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 level of 125 mEq/L, a serum glucose level of 100 mg/dL, and a serum alcohol level of 0.1 g/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 alcohol	0.1 g/dL
Serum calcium	8.5 mg/dL
Serum magnesium	0.8 mg/dL
Serum potassium	3.5 mEq/L
Serum creatinine	1.2 mg/dL
Serum urea nitrogen	15 mg/dL
Serum bilirubin	2.5 mg/dL
Serum aspartate aminotransferase (AST)	100 U/L
Serum alanine aminotransferase (ALT)	150 U/L
Serum gamma-glutamyl transaminase (GGT)	300 U/L
Serum lactate dehydrogenase (LDH)	1000 U/L
Serum ferritin	100 ng/mL
Serum ferritin (reference range)	100-500 ng/mL

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### ANSWER



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