

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 glucose of 100 mg/dL, serum sodium of 125 mEq/L, and serum calcium of 8.5 mg/dL. The patient is also found to have a serum albumin of 3.5 g/dL and a serum total protein of 6.5 g/dL. The patient is found to have a serum creatinine of 1.5 mg/dL and a serum urea nitrogen of 18 mg/dL. The patient is found to have a serum ferritin of 100 ng/mL and a serum iron of 100 ng/mL. The patient is found to have a serum transferrin saturation of 10% and a serum transferrin receptor of 1.5 mg/L. The patient is found to have a serum ferritin of 100 ng/mL and a serum iron of 100 ng/mL. The patient is found to have a serum transferrin saturation of 10% and a serum transferrin receptor of 1.5 mg/L.

Parameter	Value	Reference Range
Serum Glucose	100 mg/dL	70-100 mg/dL
Serum Sodium	125 mEq/L	135-145 mEq/L
Serum Calcium	8.5 mg/dL	8.8-10.0 mg/dL
Serum Albumin	3.5 g/dL	3.5-5.0 g/dL
Serum Total Protein	6.5 g/dL	6.0-8.0 g/dL
Serum Creatinine	1.5 mg/dL	0.6-1.2 mg/dL
Serum Urea Nitrogen	18 mg/dL	8-20 mg/dL
Serum Ferritin	100 ng/mL	50-200 ng/mL
Serum Iron	100 ng/mL	50-150 ng/mL
Serum Transferrin Saturation	10%	20-50%
Serum Transferrin Receptor	1.5 mg/L	0.5-1.5 mg/L

2. 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 glucose of 100 mg/dL, serum sodium of 125 mEq/L, and serum calcium of 8.5 mg/dL. The patient is also found to have a serum albumin of 3.5 g/dL and a serum total protein of 6.5 g/dL. The patient is found to have a serum creatinine of 1.5 mg/dL and a serum urea nitrogen of 18 mg/dL. The patient is found to have a serum ferritin of 100 ng/mL and a serum iron of 100 ng/mL. The patient is found to have a serum transferrin saturation of 10% and a serum transferrin receptor of 1.5 mg/L. The patient is found to have a serum ferritin of 100 ng/mL and a serum iron of 100 ng/mL. The patient is found to have a serum transferrin saturation of 10% and a serum transferrin receptor of 1.5 mg/L.

ANSWER



3. 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 glucose of 100 mg/dL, serum sodium of 125 mEq/L, and serum calcium of 8.5 mg/dL. The patient is also found to have a serum albumin of 3.5 g/dL and a serum total protein of 6.5 g/dL. The patient is found to have a serum creatinine of 1.5 mg/dL and a serum urea nitrogen of 18 mg/dL. The patient is found to have a serum ferritin of 100 ng/mL and a serum iron of 100 ng/mL. The patient is found to have a serum transferrin saturation of 10% and a serum transferrin receptor of 1.5 mg/L. The patient is found to have a serum ferritin of 100 ng/mL and a serum iron of 100 ng/mL. The patient is found to have a serum transferrin saturation of 10% and a serum transferrin receptor of 1.5 mg/L.