

QUESTION

1. A patient with a long history of alcohol abuse presents with a 2-week history of weight loss, anorexia, and weakness. Physical examination reveals a 10% weight loss, tachycardia, and a 10% decrease in hemoglobin. Laboratory studies show a hemoglobin of 10 g/dL, hematocrit of 30%, and a mean corpuscular volume of 100 fL. The patient's serum ferritin is 100 ng/mL, and the serum iron is 100 µg/dL. The patient's serum transferrin saturation is 10%. The patient's serum ferritin is 100 ng/mL, and the serum iron is 100 µg/dL. The patient's serum transferrin saturation is 10%. The patient's serum ferritin is 100 ng/mL, and the serum iron is 100 µg/dL. The patient's serum transferrin saturation is 10%.

Test	Result	Reference Range
Hemoglobin	10 g/dL	12-16 g/dL
Hematocrit	30%	37-47%
Mean Corpuscular Volume	100 fL	82-101 fL
Serum Ferritin	100 ng/mL	20-200 ng/mL
Serum Iron	100 µg/dL	50-150 µg/dL
Serum Transferrin Saturation	10%	20-50%

2. A patient with a long history of alcohol abuse presents with a 2-week history of weight loss, anorexia, and weakness. Physical examination reveals a 10% weight loss, tachycardia, and a 10% decrease in hemoglobin. Laboratory studies show a hemoglobin of 10 g/dL, hematocrit of 30%, and a mean corpuscular volume of 100 fL. The patient's serum ferritin is 100 ng/mL, and the serum iron is 100 µg/dL. The patient's serum transferrin saturation is 10%. The patient's serum ferritin is 100 ng/mL, and the serum iron is 100 µg/dL. The patient's serum transferrin saturation is 10%.

ANSWER



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