

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, a 10-degree fever, and a 10-degree tachycardia. Laboratory studies show a hemoglobin of 10 g/dL, a hematocrit of 30%, and a total iron-binding capacity of 400 µg/dL. The patient's serum ferritin is 100 µg/L. The patient's serum ferritin is 100 µg/L. The patient's serum ferritin is 100 µg/L.

Answer	Correct Answer	Explanation
A	Correct	The patient has iron deficiency anemia. The total iron-binding capacity is elevated, and the serum ferritin is low. The patient's weight loss, anorexia, and weakness are consistent with iron deficiency anemia.
B	Incorrect	The patient does not have iron overload. The total iron-binding capacity is elevated, and the serum ferritin is low.
C	Incorrect	The patient does not have iron deficiency anemia. The total iron-binding capacity is elevated, and the serum ferritin is low.
D	Incorrect	The patient does not have iron overload. The total iron-binding capacity is elevated, and the serum ferritin is low.

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