

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 heart rate of 100 beats per minute, and a blood pressure of 100/60 mmHg. Laboratory studies show a hemoglobin of 10 g/dL, a hematocrit of 30%, and a mean corpuscular volume of 80 fL. The patient's serum albumin is 2.5 g/dL, and the serum total protein is 5.5 g/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL.

Parameter	Value
Hemoglobin	10 g/dL
Hematocrit	30%
Mean corpuscular volume	80 fL
Serum albumin	2.5 g/dL
Serum total protein	5.5 g/dL
Serum ferritin	100 ng/mL
Serum iron	100 µg/dL
Serum transferrin saturation	10%
Serum transferrin receptor	1.5 mg/dL

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, a heart rate of 100 beats per minute, and a blood pressure of 100/60 mmHg. Laboratory studies show a hemoglobin of 10 g/dL, a hematocrit of 30%, and a mean corpuscular volume of 80 fL. The patient's serum albumin is 2.5 g/dL, and the serum total protein is 5.5 g/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL.

ANSWER

1. The patient's laboratory studies are consistent with iron deficiency anemia. The hemoglobin is 10 g/dL, the hematocrit is 30%, and the mean corpuscular volume is 80 fL. The patient's serum albumin is 2.5 g/dL, and the serum total protein is 5.5 g/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL.

2. The patient's laboratory studies are consistent with iron deficiency anemia. The hemoglobin is 10 g/dL, the hematocrit is 30%, and the mean corpuscular volume is 80 fL. The patient's serum albumin is 2.5 g/dL, and the serum total protein is 5.5 g/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL. 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%, and the serum transferrin receptor is 1.5 mg/dL.