

**QUESTION**  
 A 65-year-old male patient with a long history of hypertension and a recent diagnosis of type 2 diabetes mellitus is being treated with lisinopril and metformin. He has been experiencing increasing fatigue and weakness over the past few weeks. His most recent laboratory tests show a hemoglobin level of 10.5 g/dL, a hematocrit of 32%, and a mean corpuscular volume (MCV) of 85 fL. The patient's diet is generally healthy but he has been eating less recently due to his symptoms.

**ANSWER**  
 The patient's symptoms and laboratory findings are consistent with iron deficiency anemia. The low hemoglobin and hematocrit levels, along with the low MCV, indicate a microcytic anemia. The most common cause of microcytic anemia is iron deficiency. The patient's symptoms of fatigue and weakness are also consistent with iron deficiency anemia. The patient's diet, while generally healthy, may not be providing enough iron, especially if he has been eating less recently.

## LABORATORY TESTS

The patient's laboratory tests show a hemoglobin level of 10.5 g/dL, a hematocrit of 32%, and a mean corpuscular volume (MCV) of 85 fL. These findings are consistent with iron deficiency anemia. The patient's diet, while generally healthy, may not be providing enough iron, especially if he has been eating less recently.

The patient's symptoms and laboratory findings are consistent with iron deficiency anemia.