

**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 microcytic (low MCV) red blood cells, suggest a decrease in red blood cell production. The patient's diet and symptoms of fatigue and weakness are also consistent with iron deficiency.

## ANEMIAS



**QUESTION**  
 A 45-year-old female patient with a long history of rheumatoid arthritis is being treated with chronic low-dose prednisone. She has been experiencing increasing fatigue and weakness over the past few weeks. Her 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.