

Hypothetical Case Study Report

Blood Examination Case Study

Patient: Jane Smith

Age: 28

Gender: Female

Chief Complaint: Fatigue and pallor

Physical Examination:

- Temperature: 99.1°F
- Blood Pressure: 110/70 mmHg

Laboratory Results:

- Hemoglobin: 9.5 g/dL (Low)
- Hematocrit: 29% (Low)
- White Blood Cells: 6,000/ μ L (Normal)
- Platelets: 250,000/ μ L (Normal)
- Mean Corpuscular Volume: 75 fL (Low)
- Iron: 30 μ g/dL (Low)
- Ferritin: 10 ng/mL (Low)

Diagnosis: Iron Deficiency Anemia

Treatment Plan:

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- Iron supplements (ferrous sulfate) daily
- Diet rich in iron
- Follow-up in 1 month