

Patient 1 — Blood Cancer (Acute Lymphoblastic Leukemia)

Name: John Doe

Age: 45

Gender: Male

Date of Report: 2026-01-07

Medical History:

- Fatigue and frequent bruising for the past 2 months
- History of mild anemia
- No known allergies
- Family history: uncle with leukemia

Clinical Findings:

- Pallor and mild lymphadenopathy
- Blood pressure: 120/78 mmHg
- Heart rate: 88 bpm

Laboratory Results:

WBC Count: 35,000 / μ L (Normal: 4,000 – 11,000 / μ L)
Hemoglobin: 9.2 g/dL (Normal: 13.5 – 17.5 g/dL)
Platelets: 70,000 / μ L (Normal: 150,000 – 450,000 / μ L)
Peripheral Blood Smear: Blasts present (70%) (Normal: 0%)

Diagnosis:

Acute Lymphoblastic Leukemia (ALL) – B-cell lineage

Treatment Plan:

- Induction chemotherapy with Hyper-CVAD regimen
- Intrathecal methotrexate for CNS prophylaxis
- Referral to hematopoietic stem cell transplant evaluation

Notes:

- Patient advised to avoid infections and report fever immediately
- Monthly blood counts and bone marrow biopsy after induction