

# ■ BLOOD TEST REPORT – LEUKEMIA DETECTION

**Patient Name:** Mr. Danish Shaikh    **Age/Sex:** 21/Male

**Patient ID:** 2025-LEU-0147    **Date:** 17-Oct-2025

**Referring Doctor:** Dr. A. Mehta (Hematologist)

## 1. Complete Blood Count (CBC)

Parameter	Result	Reference Range	Remarks
Hemoglobin (Hb)	8.5 g/dL	13.0 – 17.0 g/dL	Low
Total WBC Count	110,000 / $\mu$ L	4,000 – 10,000 / $\mu$ L	High
RBC Count	3.0 million/ $\mu$ L	4.5 – 5.9 million/ $\mu$ L	Low
Platelet Count	45,000 / $\mu$ L	150,000 – 400,000 / $\mu$ L	Low
Blast Cells	68%	0%	Abnormal – Seen

## 2. Peripheral Blood Smear Examination

- Numerous blast cells with large nuclei and scanty cytoplasm observed.
- Reduced mature neutrophils and platelets; RBCs show mild anisocytosis.

**Impression:** Presence of circulating blast cells suggests **Acute Leukemia (probable ALL)**.

## 3. Pathologist Comments

CBC shows pancytopenia with leukocytosis and predominance of blast cells. Morphology consistent with acute leukemia.

Recommend: Bone marrow biopsy, Immunophenotyping, and Cytogenetic studies for confirmation.

**Dr. Neha Kulkarni (MD Pathology)**

Reg. No: MCI/PA/2020/4821

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