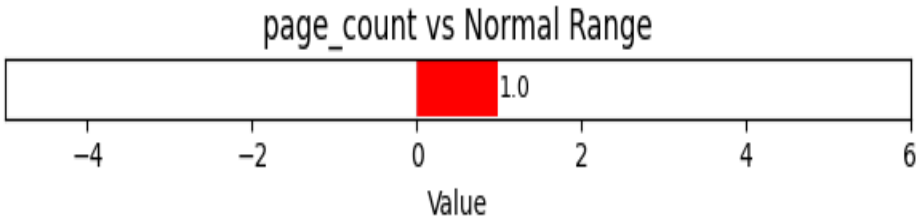
Health Report Summary

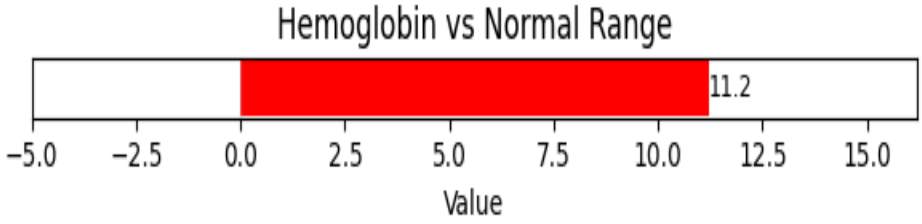
filename: Health_Report_Arjun_Mehta.pdf
page_count: 1
title: (anonymous)
patient_name: Arjun Mehta
gender: Male
dob: 05/08/1983
report_date: 14/07/2025
lab_name: Address:
test_type: Unknown
Hemoglobin: 11.2
Platelets: 250.0
WBC: 5.8
RBC: 4.7
Glucose: -1

Health Metric Charts

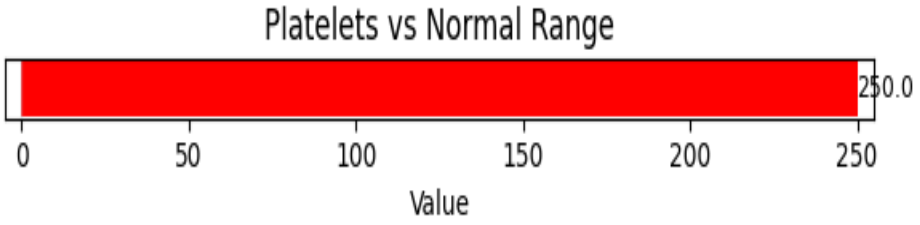
page_count Chart



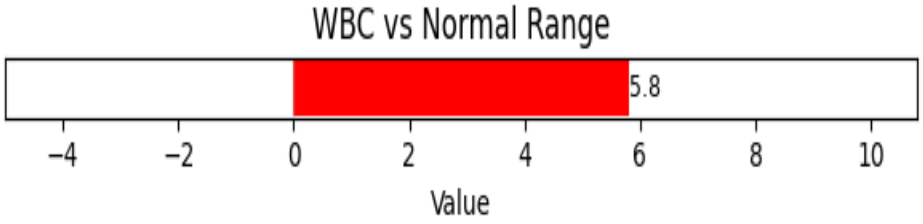
Hemoglobin Chart



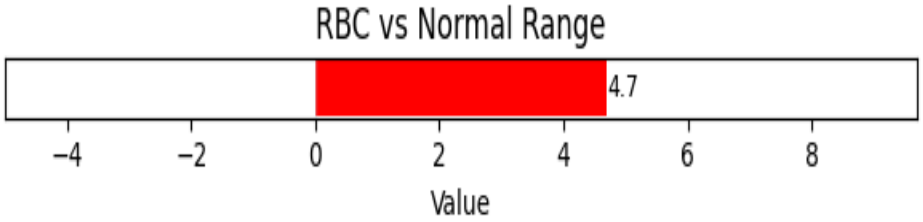
Platelets Chart



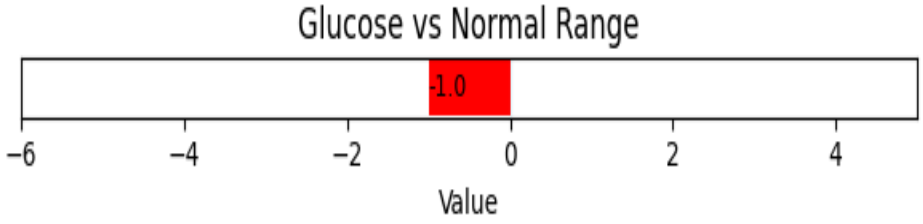
WBC Chart



RBC Chart



Glucose Chart



Lab Metrics

Metric	Value

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patient_name	Arjun Mehta
gender	Male
dob	05/08/1983
report_date	14/07/2025
lab_name	Address:
test_type	Unknown
Hemoglobin	11.2
Platelets	250.0
WBC	5.8
RBC	4.7
Glucose	-1

Doctor Summary

The Comprehensive Blood Test Report for patient Arjun Mehta, age 42, indicates the following abnormalities and slight elevations in laboratory values:

1. Hemoglobin (Hb): 11.2 g/dL (Reference range: 13.5 - 17.5 g/dL; Low)
- Indicates a mild anemia, possibly microcytic due to low MCH and MCHC values.

2. Hematocrit (Hct): 36.5% (Reference range: 38.8 - 50.0%; Low)
- Corresponds with the low Hemoglobin value, confirming mild anemia.

3. Mean Corpuscular Volume (MCV): 82.1 fL (Reference range: 80.0 - 96.0 fL; Normal)
- Indicates a slightly smaller than average red blood cell volume, supporting microcytic anemia diagnosis.

4. Mean Corpuscular Hemoglobin (MCH): 26.8 pg (Reference range: 27.0 - 33.0 pg; Low)
- Lower MCH values also support the diagnosis of microcytic anemia.

5. Mean Corpuscular Hemoglobin Concentration (MCHC): 31.2 g/dL (Reference range: 32.0 - 36.0 g/dL; Low)
- Indicates a lower concentration of hemoglobin in the red blood cells, further supporting microcytic anemia diagnosis.

6. Glucose (Fasting): 103 mg/dL (Reference range: 70 - 100 mg/dL; High)
- Indicates a slightly elevated fasting glucose level, which may require further investigation or consultation with the referring physician for potential diabetes mellitus.

7. Erythrocyte Sedimentation Rate (ESR): 16 mm/hr (Reference range: 0 - 15 mm/hr; Slightly Elevated)
- May suggest an ongoing inflammatory process, infection, or connective tissue disorder, but further clinical correlation is necessary for proper interpretation.

Based on the above findings, it's recommended to consult a physician for further interpretation and evaluation of these results, particularly the microcytic anemia diagnosis, high fasting glucose level, and slightly elevated ESR. Additional tests or diagnostic procedures may be required to determine the underlying cause and appropriate treatment plan for each abnormality.

Patient Summary

Arjun Mehta, who is 42 years old, went for a comprehensive blood test at Lifeline Diagnostics in New Delhi. Here are the results:

* Hemoglobin (Hb): The level of hemoglobin, which carries oxygen in the blood, is low (11.2 g/dL) compared to the normal range of 13.5 - 17.5 g/dL. Low hemoglobin could indicate anemia or other conditions.
* Platelets: The number of platelets (cells that help blood clot) is within the normal range (250 x10^3/uL).
* White Blood Cells (WBC): The count of white blood cells, which fight infections, is also normal (5.8 x10^3/uL).
* Red Blood Cells (RBC): The number of red blood cells is within the normal range (4.7 x10^6/uL).
* Hematocrit: The proportion of red blood cells in the blood, known as hematocrit, is low (36.5%) compared to the reference range of 38.8 - 50.0%. Low hematocrit could also indicate anemia.
* Mean Corpuscular Volume (MCV): The average size of red blood cells, measured by MCV, is within the normal range (82.1 fL).
* Mean Corpuscular Hemoglobin (MCH): The average amount of hemoglobin in each red blood cell is low (26.8 pg).
* Mean Corpuscular Hemoglobin Concentration (MCHC): The concentration of hemoglobin within the red blood cells is also low (31.2 g/dL). Both MCH and MCHC being low could indicate macrocytic anemia.
* Glucose (Fasting): The fasting glucose level, which measures blood sugar levels when you haven't eaten for at least 8 hours, is high (103 mg/dL) compared to the normal range of 70 - 100 mg/dL. High glucose levels could indicate prediabetes or diabetes.
* Erythrocyte Sedimentation Rate (ESR): The rate at which red blood cells settle over time, measured by ESR, is slightly elevated (16 mm/hr) compared to the reference range of 0 - 15 mm/hr. Elevated ESR could indicate inflammation or other conditions.

The report also mentions that it is computer-generated and should be interpreted by a physician. For any queries, one can contact Lifeline Diagnostics' customer care at +91-11-27400345. It is recommended to consult with Dr. Kavita Verma or another healthcare professional for further information and guidance regarding these test results.