

Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

Dr. Yugam Chopra
 MD (Pathology)
 CEO & Consultant Pathologist

NAME	: Mr. NASEEM	PATIENT ID	: 1723433
AGE/ GENDER	: 55 YRS/MALE	REG. NO./LAB NO.	: 012501140023
COLLECTED BY	:	REGISTRATION DATE	: 14/Jan/2025 11:38 AM
REFERRED BY	: CIVIL HOSPITAL (AMBALA CANTT)	COLLECTION DATE	: 14/Jan/2025 11:41AM
BARCODE NO.	: 01523868	REPORTING DATE	: 14/Jan/2025 02:24PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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HAEMATOLOGY

GLYCOSYLATED HAEMOGLOBIN (HbA1c)

GLYCOSYLATED HAEMOGLOBIN (HbA1c): WHOLE BLOOD by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)	9.5^H	%	4.0 - 6.4
ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)	225.95^H	mg/dL	60.00 - 140.00

INTERPRETATION:

AS PER AMERICAN DIABETES ASSOCIATION (ADA):	
REFERENCE GROUP	GLYCOSYLATED HEMOGLOBIN (HbA1c) in %
Non diabetic Adults >= 18 years	<5.7
At Risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Age > 19 Years	
Therapeutic goals for glycemic control	Goals of Therapy: < 7.0
	Actions Suggested: >8.0
Age < 19 Years	
	Goal of therapy: <7.5

COMMENTS:

- Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliance with therapeutic regimen in diabetic patients.
- Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled.
- Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0% may not be appropriate.
- High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications
- Any condition that shortens RBC life span like acute blood loss, hemolytic anemia falsely lowers HbA1c results.
- HbA1c results from patients with HbSS, HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term glycemic control.
- Specimens from patients with polycythemia or post-splenectomy may exhibit increase in HbA1c values due to a somewhat longer life span of the red cells.




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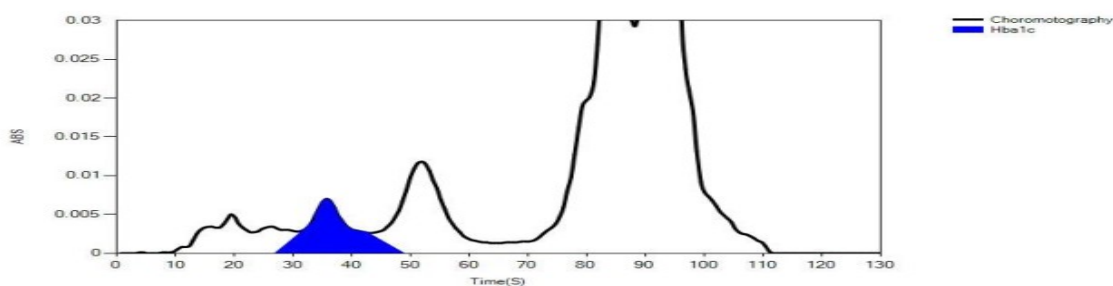
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LIFOTRONIC Graph Report

Name :	Case :	Patient Type :	Test Date : 14/01/2025 16:44:26
Age :	Department :	Sample Type : Whole Blood EDTA	Sample Id : 01523868
Gender :			Total Area : 12650

Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)
HbA0	68	2978	10829	85.6
HbA1c	38	118	979	9.5
La1c	26	70	387	3.8
HbF	19	34	179	0.5
Hba1b	14	50	163	1.6
Hba1a	11	34	113	1.1



*** End Of Report ***




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