



P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

☎ 0171-2532620, 8222896961 ✉ pkrjainhealthcare@gmail.com

NAME : Mr. MOHAMMAD HASNAIN
AGE/ GENDER : 51 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 12507726
CLIENT CODE. : P.K.R JAIN HEALTHCARE INSTITUTE
CLIENT ADDRESS : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

PATIENT ID : 1806978
REG. NO./LAB NO. : 122503260016
REGISTRATION DATE : 26/Mar/2025 12:59 PM
COLLECTION DATE : 26/Mar/2025 01:10PM
REPORTING DATE : 26/Mar/2025 04:45PM

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)	5.1	%	4.0 - 6.4
ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)	99.67	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	
Therapeutic goals for glycemic control	Age > 19 Years		
	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.
- HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications
- Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower 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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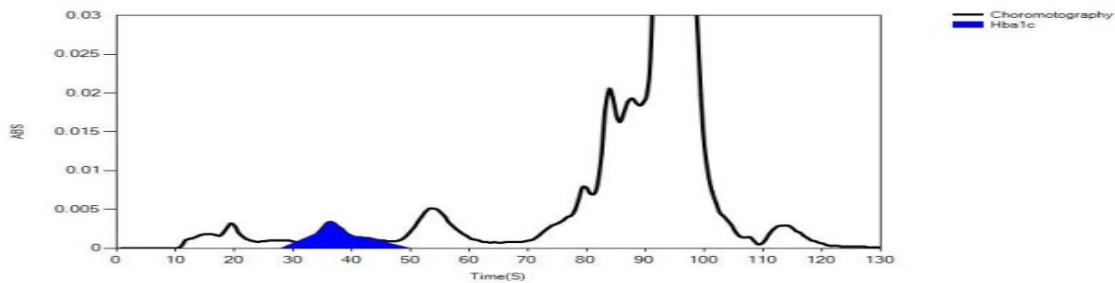
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LIFOTRONIC Graph Report

Name :	Case :	Patient Type :	Test Date : 26/03/2025 16:38:10
Age :	Department :	Sample Type : Whole Blood EDTA	Sample Id : 12507726
Gender :			Total Area : 10969


Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)
HbA0	69	3212	9925	87.5
HbA1c	39	51	573	5.1
La1c	26	34	250	2.2
HbF	20	10	17	0.2
Hba1b	14	32	118	1.0
Hba1a	11	18	86	0.8



*** End Of Report ***




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