



P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

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

NAME : Mr. HORI LAL
AGE/ GENDER : 68 YRS/MALE PATIENT ID : 1637777
COLLECTED BY : REG. NO./LAB NO. : 122410090008
REFERRED BY : REGISTRATION DATE : 09/Oct/2024 10:09 AM
BARCODE NO. : 12505106 COLLECTION DATE : 09/Oct/2024 10:10AM
CLIENT CODE. : P.K.R JAIN HEALTHCARE INSTITUTE REPORTING DATE : 09/Oct/2024 03:42PM
CLIENT ADDRESS : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

Test Name	Value	Unit	Biological Reference interval
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HAEMATOLOGY

GLYCOSYLATED HAEMOGLOBIN (HbA1C)

GLYCOSYLATED HAEMOGLOBIN (HbA1c): 10.5^H % 4.0 - 6.4
WHOLE BLOOD
by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)
ESTIMATED AVERAGE PLASMA GLUCOSE 254.65^H mg/dL 60.00 - 140.00
by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)
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.
 - High
- HbA1c (>9.0 - 9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications
5. Any condition that shortens RBC life span like acute blood loss, hemolytic anemia falsely lowers HbA1c results.
6. 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.
7. 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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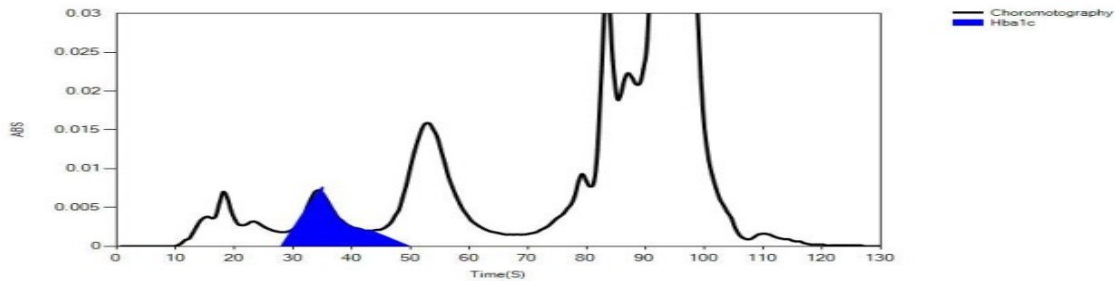
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LIFOTRONIC Graph Report

Name :	Case :	Patient Type :	Test Date : 09/10/2024 15:27:05
Age :	Department :	Sample Type : Whole Blood EDTA	Sample Id : 12505106
Gender :			Total Area : 14196

Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)
HbA0	69	3942	12095	81.2
HbA1c	39	159	1339	10.5
La1c	25	72	397	2.7
HbF	20	18	84	0.6
Hba1b	13	70	171	1.1
Hba1a	11	38	110	0.7



*** End Of Report ***




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