

Laboratory Investigation Report

Patient Name	Centre
Age/Gender	OP/IP No/UHID
MaxID/Lab ID	Collection Date/Time
Ref Doctor	Reporting Date/Time

Clinical Biochemistry
Cardiac Screen (HbA1c+Lipid Profile)


HbA1c (Glycated/ Glycosylated Hemoglobin) Test*
HPLC

Date	30/Aug/2023 12:30PM	Unit	Bio Ref Interval
Glycosylated Haemoglobin(Hb A1c) HPLC	5.6	%	4.27 - 6.07
Glycosylated Haemoglobin(Hb A1c) IFCC	37.69	mmol/mol	< 39.0
Average Glucose Value For the Last 3 Months	114.02	mg/dL	
Average Glucose Value For the Last 3 Months IFCC	6.31	mmol/L	

Interpretation The following HbA1c ranges recommended by the American Diabetes Association(ADA) may be used as an aid in the diagnosis of diabetes mellitus.

HbA1C(NGSP %)	HbA1C(IFCC mmol/mol)	Suggested Diagnosis
≥ 6.5	≥ 48	Diabetic
5.7 - 6.4	39 - 47	Pre- Diabetic
< 5.7	< 39	Non - Diabetic

HbA1C provides a useful index of average glycaemia over the preceding 6-8 weeks.

It is suggested that HbA1c is measured every 6 months in stable patients, every 3 months in patients with unstable metabolic control and every month in pregnancy. Increased Glycated hemoglobin is a reflection of Hyperglycemia.



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Lipid Profile, Serum

Date	30/Aug/2023 12:30PM	Unit	Bio Ref Interval
Cholesterol Enzymatic	162	mg/dl	< 200
HDL Cholesterol Homogeneous enzymatic	41	mg/dl	> 40
LDL Cholesterol Homogeneous enzymatic	90	mg/dl	< 100
Triglyceride Enzymatic	139.0	mg/dl	< 150
VLDL Cholesterol Calculated	27.8	mg/dl	< 30
Total Cholesterol/HDL Ratio Calculated	4.0	..	< 4.9
Non-HDL Cholesterol Calculated	121.00	mg/dl	< 130
HDL/LDL Calculated	0.45	Ratio	0.3 - 0.4

Interpretation

Total Cholesterol	Desirable: < 200 mg/dL	LDL-C	Optimal: < 100 mg/dL
	Borderline High: 200-239 mg/dL		Near Optimal/ Above Optimal: 100-129 mg/dL
	High ≥ 240 mg/dL		Borderline High: 130-159 mg/dL
			High: 160-189 mg/dL
			Very High: ≥ 190 mg/dL
HDL-C	Low HDL: < 40 mg/dL	Triglyceride	Normal: <150 mg/dL
	High HDL: ≥ 60 mg/dL		Borderline High: 150-199 mg/dL
			High: 200-499 mg/dL
			Very High: ≥ 500 mg/dL

Kindly correlate with clinical findings

*** End Of Report ***

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