

REPORT

Name	: Mr. K RAJU	Sample ID	: A0093430, A0093434, A00934
Age/Gender	: 37 Years/Male	Reg. No	: 0312403130009
Referred by	: Dr. AMARENDER REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 13-Mar-2024 08:46 AM
Primary Sample	: Whole Blood	Received On	: 13-Mar-2024 12:44 PM
Sample Tested In	: Plasma-NaF(F), Plasma-NaF(PP),	Reported On	: 13-Mar-2024 01:05 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Glucose Fasting (F)	216	mg/dL	70-100	GOD-POD

Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma Glucose(mg/dL)	HbA1c(%)	RBS(mg/dL)
Prediabetes	100-125	140-199	5.7-6.4	NA
Diabetes	> = 126	> = 200	> = 6.5	>=200(with symptoms)

Reference: Diabetes care 2018:41(suppl.1):S13-S27

Glucose Post Prandial (PP)	338	mg/dL	70-140	Hexokinase (HK)
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Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma Glucose(mg/dL)	HbA1c(%)	RBS(mg/dL)
Prediabetes	100-125	140-199	5.7-6.4	NA
Diabetes	> = 126	> = 200	> = 6.5	>=200(with symptoms)

Reference: Diabetes care 2018:41(suppl.1):S13-S27

- Postprandial glucose level is a screening test for Diabetes Mellitus
- If glucose level is >140 mg/dL and <200 mg/dL, then GTT (glucose tolerance test) is advised.
- If level after 2 hours = >200 mg/dL diabetes mellitus is confirmed.
- Advise HbA1c for further evaluation.



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MD BIOCHEMISTRY

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Client Address	: Kimtee colony ,Gokul Nagar, Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Glycated Hemoglobin (HbA1c)	10.9	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5	HPLC
Mean Plasma Glucose	266.13	mg/dL		Calculated

Interpretation:

- Glycated hemoglobins (GHb), also called glycohemoglobins, are substances formed when glucose binds to hemoglobin, and occur in amounts proportional to the concentration of serum glucose. Since red blood cells survive an average of 120 days, the measurement of GHb provides an index of a person's average blood glucose concentration (glycemia) during the preceding 2-3 months. Normally, only 4% to 6% of hemoglobin is bound to glucose, while elevated glycohemoglobin levels are seen in diabetes and other hyperglycemic states
- Mean Plasma Glucose(MPG):This Is Mathematical Calculations Where Glycated Hb Can Be Correlated With Daily Mean Plasma Glucose Level

Result rechecked and verified for abnormal cases

*** End Of Report ***

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REPORT

Name	: Mr. K RAJU	Sample ID	: A0093429
Age/Gender	: 37 Years/Male	Reg. No	: 0312403130009
Referred by	: Dr. AMARENDER REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 13-Mar-2024 08:46 AM
Primary Sample	: Whole Blood	Received On	: 13-Mar-2024 12:44 PM
Sample Tested In	: Serum	Reported On	: 13-Mar-2024 02:03 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Lipid Profile				
Cholesterol Total	170	mg/dL	< 200	CHOD-POD
Triglycerides-TGL	140	mg/dL	< 150	GPO-POD
Cholesterol-HDL	45	mg/dL	40-60	Direct
Cholesterol-LDL	97	mg/dL	< 100	Calculated
Cholesterol- VLDL	28	mg/dL	7-35	Calculated
Non HDL Cholesterol	125	mg/dL	< 130	Calculated
Cholesterol Total /HDL Ratio	3.78	%	0-4.0	Calculated
HDL / LDL Ratio	0.46			
LDL/HDL Ratio	2.16	%	0-3.5	Calculated

The National Cholesterol Education program's third Adult Treatment Panel (ATPIII) has issued its recommendations on evaluating and treating lipid disorders for primary and secondary.

NCEP Recommendations	Cholesterol Total in (mg/dL)	Triglycerides in (mg/dL)	HDL Cholesterol (mg/dL)	LDL Cholesterol in (mg/dL)	Non HDL Cholesterol in (mg/dL)
Optimal	Adult: < 200 Children: < 170	< 150	40-59	Adult:<100 Children: <110	<130
Above Optimal	-----	-----		100-129	130 - 159
Borderline High	Adult: 200-239 Children:171-199	150-199		Adult: 130-159 Children: 111-129	160 - 189
High	Adult:>or=240 Children:>or=200	200-499	≥ 60	Adult:160-189 Children:>or=130	190 - 219
Very High	-----	>or=500		Adult: >or=190 -----	>=220

Note: LDL cholesterol cannot be calculated if triglyceride is >400 mg/dL (Friedewald's formula). Calculated values not provided for LDL and VLDL

Correlate Clinically.

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*** End Of Report ***



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