A PIONEER DIAGNOSTIC CENTRE

🔽 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

	: Mrs. RAJWANT KAUR					
AGE/ GENDER	: 48 YRS/FEMALE		PATIENT ID	: 170	08195	
COLLECTED BY	:		REG. NO./LAB NO.	: 122	241225000	3
REFERRED BY	:		REGISTRATION D	ATE : 25/	/Dec/2024 09):38 AM
BARCODE NO.	: 12506284		COLLECTION DAT	E :25/	/Dec/2024 10):52AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INST	TITITF	REPORTING DATI		/Dec/2024 02	
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AN				DCC/ 2024 02	
	. WASHA UR, HISSAR ROAD, AN					
Test Name		Value	Un	it	Biologi	cal Reference interval
		НАЕМ	ATOLOGY			
		IIALM				
		NEVI ATED H	FMACIARIN (H			
			AEMOGLOBIN (H	IBAIC)	40 64	
	GLYCO EMOGLOBIN (HbA1c):	DSYLATED HA 6.6 ^H	AEMOGLOBIN (H %	IBAIC)	4.0 - 6.4	ł
WHOLE BLOOD			%		4.0 - 6.4	L
WHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE		%	i/dL	4.0 - 6.4 60.00 -	
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA by HPLC (HIGH PERFOR	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY)	6.6 ^H	%			
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA by HPLC (HIGH PERFOR	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	6.6 ^H 142.72 ^H	% mg			
NHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF <u>NTERPRETATION:</u>	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN	6.6 ^H 142.72 ^H Diabetes associ	% mg ATION (ADA):	a/dL	60.00 -	
NHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF NTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP	6.6 ^H 142.72 ^H Diabetes associ	M mg ATION (ADA): .YCOSYLATED HEMOO	/ dL GLOGIB (HBAIC)	60.00 -	
NHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF <u>NTERPRETATION:</u> F Non dia	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	6.6 ^H 142.72 ^H Diabetes associ	M mg ATION (ADA): YCOSYLATED HEMOO <5.7	/ dL GLOGIB (HBAIC)	60.00 -	
NHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF NTERPRETATION: F Non dia At	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	6.6 ^H 142.72 ^H Diabetes associ	M Mg ATION (ADA): YCOSYLATED HEMOO <5.7 5.7 - 0	g/dL GLOGIB (HBAIC) 7 5.4	60.00 -	
WHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF INTERPRETATION: F Non dia At	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	6.6 ^H 142.72 ^H Diabetes associ	M Mg ATION (ADA): YCOSYLATED HEMOO <5.7 5.7 - (>= 6.	5.4 5	60.00 -	
WHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF INTERPRETATION: F Non dia At	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	6.6 ^H 142.72 ^H DIABETES ASSOCI	M Mg ATION (ADA): YCOSYLATED HEMOO <5.7 - 0 >= 6. Age > 19	5.4 5 Years	60.00 -	
WHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF INTERPRETATION: Non dia At Di	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) tagnosing Diabetes	6.6 ^H 142.72 ^H DIABETES ASSOCI	ATION (ADA): YCOSYLATED HEMOO <5.7 5.7 – (>= 6. Age > 19 of Therapy:	5.4 5 Years 5 7 7 7 7 7 7 7 7	60.00 - in %	
WHOLE BLOOD by HPLC (HIGH PERFOF ESTIMATED AVERA by HPLC (HIGH PERFOF INTERPRETATION: Non dia At Di	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	6.6 ^H 142.72 ^H DIABETES ASSOCI	M Mg ATION (ADA): YCOSYLATED HEMOO <5.7 - 0 >= 6. Age > 19	5.4 5 Years <7 >8.	60.00 - in %	

4. 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 shorten RBC life span like acute blood loss, hemolytic anemia falsely lower 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 gycemic control.

7. Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.



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NAME : Mrs. RAJWANT KAUR **AGE/ GENDER** : 48 YRS/FEMALE **PATIENT ID** :1708195 **COLLECTED BY** REG. NO./LAB NO. :122412250003 **REFERRED BY REGISTRATION DATE** : 25/Dec/2024 09:38 AM **BARCODE NO.** :12506284 **COLLECTION DATE** : 25/Dec/2024 10:52AM CLIENT CODE. : P.K.R JAIN HEALTHCARE INSTITUTE **REPORTING DATE** : 25/Dec/2024 11:35AM **CLIENT ADDRESS** : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA Value Unit **Biological Reference interval** Test Name **CLINICAL CHEMISTRY/BIOCHEMISTRY GLUCOSE FASTING (F)** 95.2 GLUCOSE FASTING (F): PLASMA NORMAL: < 100.0 mg/dL by GLUCOSE OXIDASE - PEROXIDASE (GOD-POD) PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - H	ARYANA	
Test Name		Value	Unit	Biological Reference interval
		LIPID PR	OFILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O		161.18	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSF	ERUM PHATE OXIDASE (ENZYMATIC)	145.41	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM 70N	49.01	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		83.09	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES by Calculated, spe		112.17	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER		29.08	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE		467.77	mg/dL	350.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE		3.29	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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NOT VALID FOR MEDICO LEGAL PURPOSE



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY -	HARYANA	

Test Name	Value	Unit	Biological Reference interval
LDL/HDL RATIO: SERUM by calculated, spectrophotometry	1.7	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.97 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available

 Low hole to consider a structure of the process by which cholesterol is eliminated from peripheral tissues.
NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL.

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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CLIENT CODE.	: P.K.R JAIN HEALTHCARE	INSTITUTE	REPORTING DATE		
CLIENT ADDRESS : NASIRPUR, HISSAR ROAD, AMBALA CITY - HA			ARYANA		
Test Name		Value	Unit	Biological Reference interval	
		SGOT/SO	GPT PROFILE		
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	27.27	U/L	7.00 - 45.00	
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	40.95	U/L	0.00 - 49.00	

SGOT/SGPT RATIO by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Reference Range. USE: Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:-

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)

0.67

DECREASED:-

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:-

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CIT		
Test Name	Valu	e Unit	Biological Reference interval
	ATING HORMONE (TSH): SERUM 3.6 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE	l μIU/mL	0.35 - 5.50
	AGE	REFFERENCE RANGE	(ulU/mL)
	0 – 5 DAYS	0.70 – 15.20	
	6 Days – 2 Months	0.70 - 11.00)
	3 – 11 Months	0.70 – 8.40	
	1 – 5 Years	0.70 – 7.00	
	6 – 10 Years	0.60 – 5.50	
	11 - 15	0.50 – 5.50	
	> 20 Years (Adults)	0.27 - 5.50	
	PREGNAN 1ot Trimostor		
	1st Trimester 2nd Trimester	0.10 - 3.00 0.20 - 3.00	
		0.20 - 3.00	

NOTE:-TSH levels are subjected to circardian variation, reaching peak levels between 2-4 a.m and at a minimum between 6-10 pm. The variation is of the order of 50 %. Hence time of the day has influence on the measured serum TSH concentration.

0.30 - 4.10

USE:- TSH controls biosynthesis and release of thyroid harmones T4 & T3. It is a sensitive measure of thyroid function, especially useful in early or subclinical hypothyroidism, before the patient develops any clinical findings or goitre or any other thyroid function abnormality. **INCREASED LEVELS**:

1. Primary or untreated hypothyroidism, may vary from 3 times to more than 100 times normal depending on degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3. Hashimotos thyroiditis.

4.DRUGS: Amphetamines, Iodine containing agents and dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge.

DECREASED LEVELS:

1. Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic hypothyroidism

3rd Trimester

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.



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Test NameValueUnitBiological Reference interval				
	lest name	Value	Unit	Diviogical Reference interval

8. Pregnancy: 1st and 2nd Trimester

LIMITATIONS:

1.TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy. 2.Autoimmune disorders may produce spurious results.







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