



	Dr. Vinay Che MD (Pathology & Chairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)
AME	: Mrs. MEENU BAWEJA			
AGE/ GENDER	: 52 YRS/FEMALE	РАТ	TENT ID	: 1572060
COLLECTED BY	:	REG	. NO./LAB NO.	: 012408060004
REFERRED BY	:	REG	ISTRATION DATE	:06/Aug/202407:36AM
BARCODE NO.	:01514552		LECTION DATE	: 06/Aug/2024 07:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		ORTING DATE	: 06/Aug/2024 01:50PM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
		YCOSYLATED HAEM(9 6 ^H	JGLOBIN (HBATC) %	4.0 - 6.4
GLYCOSYLATED HAEMOGLOBIN (HbA1c): VHOLE BLOOD by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) STIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) NTERPRETATION:		9.6 ^H 228.82 ^H	% mg/dL	4.0 - 6.4 60.00 - 140.00
		ETES ASSOCIATION (ADA)		
	FERENCE GROUP	GLYCOSYLATE	D HEMOGLOGIB (HBAIC) ii	n %
	etic Adults >= 18 years Risk (Prediabetes)		<5.7	
	gnosing Diabetes		5.7 – 6.4 >= 6.5	
Dia	ghosing Diabetes		Age > 19 Years	
		Goals of Therapy:	< 7.0)
Therapeutic	goals for glycemic control	Actions Suggested:		
•			Age < 19 Years	

2. 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 HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. 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, targetting a goal of < 7.0% may not be appropiate. 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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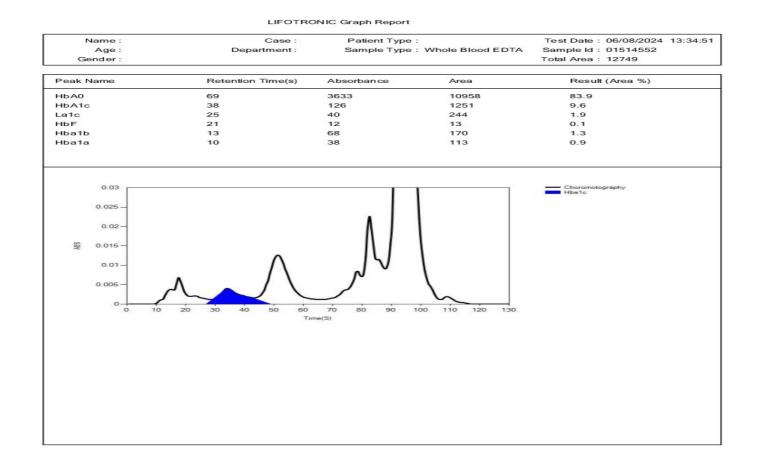


TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultan	obiology) ME	m Chopra D (Pathology) ht Pathologist
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Test Name		Value Unit	Biological Reference interval





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Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMIS	STRY/BIOCHEMISTR	Y
		GLUCOSI	E FASTING (F)	
GLUCOSE FASTING (F): PLASMA E - PEROXIDASE (GOD-POD)	93.12	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level below 100 mg/dl is considered normal.
 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.
 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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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E : BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OX		144.25	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	142.95	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I by SELECTIVE INHIBITI		49.14	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		66.52	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTER by CALCULATED, SPEC		95.11	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: by calculated, spec		28.59	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN by CALCULATED, SPEC	Л	431.45	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPEC	RATIO: SERUM	2.94	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SER by CALCULATED, SPEC		1.35	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM ECTROPHOTOMETRY	2.91 ^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.

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, 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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ISO 9001 : 2008 CERT	IFIED LAB	EXCELLENCE IN HEALTHCAR	E & DIAGNOSTICS
	Dr. Vinay Chopra MD (Pathology & Microbic Chairman & Consultant Pa) (Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. MEENU BAWEJA : 52 YRS/FEMALE : : : 01514552 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1572060 : 012408060004 : 06/Aug/2024 07:36 AM : 06/Aug/2024 07:42AM : 06/Aug/2024 11:25AM
Test Name	Va	lue Unit	Biological Reference interval
CREATININE: SERUN by ENZYMATIC, SPEC		CREATININE 09 mg/dL	0.40 - 1.20
ത്താരംഗത		0	
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Test Name		Value	Unit	Biological Reference interva
		CLINICAL PAT	HOLOGY	
	MICRO	CLINICAL PAT ALBUMIN/CREATININE		1 URINE
	ANDOM URINE			1 URINE 0 - 25
by SPECTROPHOTOI CREATININE: RAND	ANDOM URINE METRY DM URINE	ALBUMIN/CREATININE	RATIO - RANDOM	
MICROALBUMIN: R. by spectrophotoi CREATININE: RAND by spectrophoton MICROALBUMIN/CI	ANDOM URINE METRY OM URINE METRY	ALBUMIN/CREATININE 118.13 ^H	RATIO - RANDOM mg/L	0 - 25
by SPECTROPHOTOL CREATININE: RAND by SPECTROPHOTON MICROALBUMIN/CI RANDOM URINE by SPECTROPHOTOL	ANDOM URINE Metry OM URINE Metry REATININE RATIO -	ALBUMIN/CREATININE 118.13 ^H 80.32	RATIO - RANDON mg/L mg/dL	0 - 25 20 - 320
by SPECTROPHOTO CREATININE: RAND by SPECTROPHOTOM MICROALBUMIN/CI RANDOM URINE	ANDOM URINE METRY OM URINE METRY REATININE RATIO -	ALBUMIN/CREATININE 118.13 ^H 80.32	RATIO - RANDON mg/L mg/dL	0 - 25 20 - 320
by SPECTROPHOTOI CREATININE: RAND by SPECTROPHOTON MICROALBUMIN/CI RANDOM URINE by SPECTROPHOTOI INTERPRETATION:-	ANDOM URINE METRY OM URINE METRY REATININE RATIO - METRY NORMAL: mg/L	ALBUMIN/CREATININE 118.13 ^H 80.32	RATIO - RANDON mg/L mg/dL mg/g	0 - 25 20 - 320

Long standing un-treated Diabetes and Hypertension can lead to renal dysfunction. 2. Diabetic nephropathy or kidney disease is the most common cause of end stage renal disease(ERSD) or kidney failure. 3. Presence of Microalbuminuria is an early indicator of onset of compromised renal function in these patients. 4. Microalbuminuria is the condition when urinary albumin excre tion is between 30-300 mg & above this it is called as macroalbuminuria, the presence of which indicates particular disease disease. presence of which indicates serious kidney disease.

5.Microalbuminuria is not only associated with kidney disease but of cardiovascular disease in patients with dibetes & hypertension. 6.Microalbuminuria reflects vascular damage & appear to be a marker of of early arterial disease & endothelial dysfunction. **NOTE:-** *IF A PATIENT HAS = 1+ PROTEINURIA (30 mg/dl OR 300 mg/L) BY URINE DIPSTICK (URINEANALYSIS), OVERT PROTEINURIA IS PRESENT AND TESTING FOR MICROALBUMIN IS INAPPROPIATE. IN SUCH A CASE, URINE PROTEIN:CREATININE RATIO OR 24 HOURS TOTAL URINE MICROPROTEIN IS APPROPIATE.* APPROPIATE.

*** End Of Report ***





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