



	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		MD	Chopra (Pathology) Pathologist
NAME	: Mr. AVINASH SOBTI				
AGE/ GENDER	: 70 YRS/MALE	F	ATIENT ID		: 1598922
<b>COLLECTED BY</b>	:	<b>REG. NO./LAB NO.</b>		0.	: 012411270009
<b>REFERRED BY</b>	:	F	EGISTRATION	DATE	: 27/Nov/2024 09:27 AM
BARCODE NO.	:01521511	COLLECTION DATE		TE	: 27/Nov/2024 09:30AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>		ТЕ	: 27/Nov/2024 03:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT			
Test Name		Value	τ	J <b>nit</b>	<b>Biological Reference interval</b>
GLYCOSYLATED HAEMOGLOBIN (HbA1c): WHOLE BLOOD by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) INTERPRETATION:		7.5 <sup>H</sup> 168.55 <sup>H</sup>	% I mg/dL		4.0 - 6.4 60.00 - 140.00
	AS PER AMERICAN D	IABETES ASSOCIA	TION (ADA):		
	REFERENCE GROUP		COSYLATED HEM	OGLOGIB	(HBAIC) in %
	Non diabetic Adults >= 18 years		<5.7		
At Risk (Prediabetes) Diagnosing Diabetes		<u>5.7 - 6.4</u> >= 6.5			
	hughosing bluberes			19 Years	
Therapeutic goals for glycemic control			Goals of Therapy: Actions Suggested:		< 7.0 >8.0
		Goal o	Age < 19 Years Goal of therapy:		<7.5
2.Since Hb1c reflects lo concentration of HbA 3.Target goals of < 7.0	ong term fluctuations in blood glucose lc. Converse is true for a diabetic previ ) % may be beneficial in patients with	monitoring done t concentration, a d ously under good short duration of c fe expectancy or e	o assess complia diabetic patient w control but now p liabetes, long life	ho has rec oorly cont expectanc	erapeutic regimen in diabetic patients. cently under good control may still have high

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.



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REFERRED BY	:	REGIST	<b>TRATION DATE</b>	: 27/Nov/2024 09:27 AM
BARCODE NO.	: 01521511	COLLE	CTION DATE	: 27/Nov/2024 09:30AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 27/Nov/2024 10:00AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by RED CELL AGGREC NTERPRETATION: 1. ESR is a non-specif	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMETRY	often indicates the pres	mm/1st	
2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus erythe <b>CONDITION WITH LON</b>	cted by other conditions besides in be used to monitor disease activity ematosus	nflammation. For this re y and response to thera	ason, the ESR is ty py in both of the a	e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as



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REFERRED BY BARCODE NO.	: : 01521511		REGISTRATION DATE COLLECTION DATE	: 27/Nov/2024 09:27 AM : 27/Nov/2024 09:30AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Nov/2024 09.30AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLIN	IICAL CHEMIS	TRY/BIOCHEMIST	RY
		LIPID PR	OFILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		118.4	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S. by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	173.63 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM	40.66	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		43.01	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 CHOLEST by CALCULATED, SPE		77.74	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0
VLDL CHOLESTER		34.73	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SER	UM	410.43	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HD		2.91	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Nov/2024 11:14AM
CLIENT ADDRESS	SS : 6349/1, NICHOLSON ROAD, AMBALA CAN			
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.06	RATIO	MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM ECTROPHOTOMETRY	4.27	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

to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. 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

End Of Report \*\*\*





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