



	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. JASPAL			
AGE/ GENDER	: 54 YRS/MALE	PAT	IENT ID	: 1816195
COLLECTED BY		REG	. NO./LAB NO.	: 042504030001
REFERRED BY			ISTRATION DATE	
	:			: 03/Apr/2025 08:19 AM
BARCODE NO.	: A1260784		LECTION DATE	: 03/Apr/2025 03:36PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REP	ORTING DATE	: 03/Apr/2025 04:28PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
GLYCOSYLATED HAEMOGLOBIN (HbA1c): WHOLE BLOOD by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)		6.6 ^H 142.72 ^H		60.00 - 140.00
		142.72	mg/dL	00.00 - 140.00
by HPLC (HIGH PERFO	RMANCE LIQUID CHROMATOGRAPHY)			00.00 - 140.00
by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D	DIABETES ASSOCIATION	I (ADA):	
by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP	DIABETES ASSOCIATION	I (ADA): YLATED HEMOGLOGIB	
by HPLC (HIGH PERFO. INTERPRETATION: Non dia	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years	DIABETES ASSOCIATION	I (ADA): YLATED HEMOGLOGIB <5.7	
by HPLC (HIGH PERFO. INTERPRETATION: Non dia A	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	DIABETES ASSOCIATION	I (ADA): YLATED HEMOGLOGIB <5.7 5.7 - 6.4	
by HPLC (HIGH PERFO. INTERPRETATION: Non dia A	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years	DIABETES ASSOCIATION	I (ADA): YLATED HEMOGLOGIB <5.7	
by HPLC (HIGH PERFO. INTERPRETATION: Non dia A D	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) biagnosing Diabetes	DIABETES ASSOCIATION	I (ADA): YLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	
by HPLC (HIGH PERFO. INTERPRETATION: Non dia A D	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	DIABETES ASSOCIATION GLYCOS	I (ADA): YLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years Perapy:	(HBAIC) in %
by HPLC (HIGH PERFO. INTERPRETATION: Non dia A D	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) biagnosing Diabetes	DIABETES ASSOCIATION GLYCOS	I (ADA): YLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years verapy: gested: Age < 19 Years	(HBAIC) in %

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 HbAIc. 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 appropriate.

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.



DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com







	MD (Path	ay Chopra ology & Microbiology) & Consultant Pathologis	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. JASPAL : 54 YRS/MALE : : : : A1260785 : KOS DIAGNOSTIC SHA : 6349/1, NICHOLSON	AHBAD ROAD, AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1816195 : 042504030001 : 03/Apr/2025 08:19 AM : 03/Apr/2025 03:36PM : 03/Apr/2025 05:23PM	
Test Name		Value	Unit	Biological Reference interval	
	CL		STRY/BIOCHEMI	SIKY	
		LIPID PRO	OFILE : BASIC		
CHOLESTEROL TO by CHOLESTEROL OX		210.2 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0	
TRIGLYCERIDES: S by GLYCEROL PHOSP	SERUM HATE OXIDASE (ENZYMATIC	204.83 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0	
HDL CHOLESTERC	DL (DIRECT): SERUM on	47.66	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0	
LDL CHOLESTERO by CALCULATED, SPE		121.57	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		162.54 ^H	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		40.97	mg/dL	0.00 - 45.00	
by CALCULATED, SPE FOTAL LIPIDS: SE by CALCULATED, SPE	RUM	625.23	mg/dL	350.00 - 700.00	





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

KOS Central Lab:6349/1, Nicholson Road, Ambala Cantt -133 001, HaryanaKOS Molecular Lab:IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana0171-2643898, +91 99910 43898care@koshealthcare.comwww.koshealthcare.comwww.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Cl MD (Pathology & Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. JASPAL				
AGE/ GENDER	: 54 YRS/MALE	P	ATIENT ID	: 1816195	
COLLECTED BY	:	R	EG. NO./LAB NO.	: 042504030001	
REFERRED BY	:	R	EGISTRATION DATE	: 03/Apr/2025 08:19 AM	
BARCODE NO.	: A1260785	C	OLLECTION DATE	: 03/Apr/2025 03:36PM	
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD) R	EPORTING DATE	: 03/Apr/2025 05:23PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
CHOLESTEROL/HI by CALCULATED, SPE		4.41 ^H	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: S by CALCULATED, SPE		2.55	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0	
TRIGLYCERIDES/F	HDL RATIO: SERUM	4.3	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.

 Cow 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

*** End Of Report





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

