



		Chopra & Microbiology) onsultant Pathologis		(Pathology)
NAME	: Mrs. ANITA BUCHAR			
AGE/ GENDER	: 60 YRS/FEMALE		PATIENT ID	: 1805264
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503250032
REFERRED BY	:		REGISTRATION DATE	: 25/Mar/2025 10:16 AM
BARCODE NO.	: 01527730		COLLECTION DATE	: 25/Mar/2025 10:24AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 25/Mar/2025 10:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HAEMOGLOBIN (HB)		10.6 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC INTERPRETATION:-				
tissues back to the lu A low hemoglobin lev ANEMIA (DECRESED 1) Loss of blood (trat 2) Nutritional deficie 3) Bone marrow prok 4) Suppression by re 5) Kidney failure	Ings. /el is referred to as ANEMIA or	low red blood cour g, colon cancer or s rrrow by cancer) otherapy drugs	it. tomach ulcer)	odys tissues and returns carbon dioxide from t
POLYCYTHEMIA (INCl 1) People in higher a 2) Smoking (Seconda 3) Dehydration prod 4) Advanced lung dis	REASED HAEMOGLOBIN): Iltitudes (Physiological)	in due to increased		
5) Certain tumors6) A disorder of the k7) Abuse of the drug	oone marrow known as polycyt erythropoetin (Epogen) by athl	hemia rubra vera, etes for blood dopi	ng purposes (increasing the	e amount of oxygen available to the body by

KOS Diagnostic Lab (A Unit of KOS Healthcare)

chemically raising the production of red blood cells).

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





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

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







		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. ANITA BUCHAR : 60 YRS/FEMALE : SURJESH : : 01527730 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROA		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1805264 : 012503250032 : 25/Mar/2025 10:16 AM : 25/Mar/2025 10:24AM : 25/Mar/2025 12:50PM	
Test Name		Value	Unit	Biological Reference interval	
CHOLESTEROL TO by CHOLESTEROL OXI	TAL: SERUM		TRY/BIOCHEMIS FILE : BASIC mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 -	
TRIGLYCERIDES: S	ERUM IATE OXIDASE (ENZYMATIC)	55.5	mg/dL	239.0 HIGH CHOLESTEROL: > OR = 240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0	
HDL CHOLESTERO	L (DIRECT): SERUM DN	79.34	mg/dL	HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0	
LDL CHOLESTEROI by CALCULATED, SPEC		58.23	mg/dL	HIGH HDL: > OR = 60.0 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, SPEC		69.33	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 CHOLESTERC by CALCULATED, SPEC TOTAL LIPIDS: SER	CTROPHOTOMETRY	11.1 352.84	mg/dL mg/dL	0.00 - 45.00 350.00 - 700.00	

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

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name		Value	Unit	Biological Reference interval
CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY		1.87	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: SERUM by CALCULATED, SPECTROPHOTOMETRY		0.73	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY		0.7 ^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.

 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





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