

KOS Diagnostic Lab (A Unit of KOS Healthcare)



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME : Mr. RAKESH KUMAR

AGE/ GENDER : 32 YRS/MALE **PATIENT ID** : 1360664

COLLECTED BY :012407170014 REG. NO./LAB NO.

REFERRED BY **REGISTRATION DATE** : 17/Jul/2024 09:55 AM BARCODE NO. :01513290 **COLLECTION DATE** : 17/Jul/2024 09:58AM CLIENT CODE. : KOS DIAGNOSTIC LAB REPORTING DATE : 17/Jul/2024 11:34AM

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Value Unit **Biological Reference interval** Test Name

CLINICAL CHEMISTRY/BIOCHEMISTRY

LIPID PROFILE: BASIC

CHOLESTEROL TOTAL: SERUM mg/dL **OPTIMAL:** < 200.0 210.09H

by CHOLESTEROL OXIDASE PAP **BORDERLINE HIGH: 200.0 - 239.0** HIGH CHOLESTEROL: > OR = 240.0

240.92H mg/dL **OPTIMAL: < 150.0**

TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)

BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0

VERY HIGH: > OR = 500.0

HDL CHOLESTEROL (DIRECT): SERUM 30.15 LOW HDL: < 30.0 mg/dL

by SELECTIVE INHIBITION

BORDERLINE HIGH HDL: 30.0 -

60.0 $HIGH\ HDL: > OR = 60.0$

LDL CHOLESTEROL: SERUM **OPTIMAL:** < 100.0

131.76^H mg/dL by CALCULATED, SPECTROPHOTOMETRY

ABOVE OPTIMAL: 100.0 - 129.0

BORDERLINE HIGH: 130.0 - 159.0

HIGH: 160.0 - 189.0 **VERY HIGH: > OR = 190.0**

NON HDL CHOLESTEROL: SERUM **OPTIMAL: < 130.0** 179.94H mg/dL

by CALCULATED, SPECTROPHOTOMETRY ABOVE OPTIMAL: 130.0 - 159.0

BORDERLINE HIGH: 160.0 - 189.0

HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0

VLDL CHOLESTEROL: SERUM mg/dL 0.00 - 45.0048.18^H by CALCULATED, SPECTROPHOTOMETRY

TOTAL LIPIDS: SERUM 350.00 - 700.00 661.1 mg/dL

by CALCULATED, SPECTROPHOTOMETRY

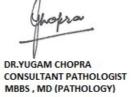
CHOLESTEROL/HDL RATIO: SERUM LOW RISK: 3.30 - 4.40 **RATIO** 6.97^{H} by CALCULATED, SPECTROPHOTOMETRY

AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0

HIGH RISK: > 11.0



CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)







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Test Name	Value	Unit	Biological Reference interval
LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	4.37 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/HDL RATIO: SERUM	7.99 ^H	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

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



CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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



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