

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

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

NAME : Mr. SHIV KUMAR
AGE/ GENDER : 38 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01519414
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1651020
REG. NO./LAB NO. : 012410230033
REGISTRATION DATE : 23/Oct/2024 10:38 AM
COLLECTION DATE : 23/Oct/2024 10:39AM
REPORTING DATE : 23/Oct/2024 12:01PM

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

CLINICAL CHEMISTRY/BIOCHEMISTRY

CHOLESTEROL: SERUM

CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP	137.62	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
--	--------	-------	--

INTERPRETATION:

NATIONAL LIPID ASSOCIATION RECOMMENDATIONS (NLA-2014)	CHOLESTEROL IN ADULTS (mg/dL)	CHOLESTEROL IN ADULTS (mg/dL)
DESIRABLE	< 200.0	< 170.0
BORDERLINE HIGH	200.0 – 239.0	171.0 – 199.0
HIGH	>= 240.0	>= 200.0

NOTE:

- 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.
- As per National Lipid association - 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.



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

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



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

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

NAME	: Mr. SHIV KUMAR	PATIENT ID	: 1651020
AGE/ GENDER	: 38 YRS/MALE	REG. NO./LAB NO.	: 012410230033
COLLECTED BY	:	REGISTRATION DATE	: 23/Oct/2024 10:38 AM
REFERRED BY	:	COLLECTION DATE	: 23/Oct/2024 10:39AM
BARCODE NO.	: 01519414	REPORTING DATE	: 23/Oct/2024 12:01PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

TRIGLYCERIDES

TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)	113.95	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
---	--------	-------	--

INTERPRETATION:

NCEP RECOMMENDATIONS	TRIGLYCERIDES IN ADULTS (mg/dL)
DESIRABLE	< 150.0
BORDERLINE HIGH	150.0 – 199.0
HIGH	200.0 – 499.0
VERY HIGH	>OR = 500.0


NOTE


- Measurements in the same patient can show physiological variations. Three serial samples 1 week apart are recommended to establish basal triglyceride levels.
- Certain conditions such as acute illness, stress, pregnancy, dietary changes especially changes in intake of saturated fatty acids, lipid lowering drugs, alcohol or prednisone may cause variation in lipid levels.

COMMENTS

National Lipid association - 2014 identifies elevated Triglycerides as an independent risk factor for Coronary Heart Disease (CHD).




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


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



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

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

NAME	: Mr. SHIV KUMAR	PATIENT ID	: 1651020
AGE/ GENDER	: 38 YRS/MALE	REG. NO./LAB NO.	: 012410230033
COLLECTED BY	:	REGISTRATION DATE	: 23/Oct/2024 10:38 AM
REFERRED BY	:	COLLECTION DATE	: 23/Oct/2024 10:39AM
BARCODE NO.	: 01519414	REPORTING DATE	: 23/Oct/2024 12:01PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

SGOT/SGPT PROFILE

SGOT/AST: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	32.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	58.6 ^H	U/L	0.00 - 49.00
SGOT/SGPT RATIO <i>by CALCULATED, SPECTROPHOTOMETRY</i>	0.56		

INTERPRETATION

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Reference Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:-

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)

DECREASED:-

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)
2. Extra Hepatic cholestasis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:-

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6




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


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



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


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


NAME	: Mr. SHIV KUMAR	PATIENT ID	: 1651020
AGE/ GENDER	: 38 YRS/MALE	REG. NO./LAB NO.	: 012410230033
COLLECTED BY	:	REGISTRATION DATE	: 23/Oct/2024 10:38 AM
REFERRED BY	:	COLLECTION DATE	: 23/Oct/2024 10:39AM
BARCODE NO.	: 01519414	REPORTING DATE	: 23/Oct/2024 12:01PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

*** End Of Report ***




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


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

