



	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta	crobiology)	Dr. Yugam Ch MD (Path CEO & Consultant Path	nology)
NAME	: Mr. GOURAV			
AGE/ GENDER	: 42 YRS/MALE	PATI	ENT ID : 1	1818651
COLLECTED BY	:	REG. I	NO./LAB NO. :	012504050001
REFERRED BY	:	REGIS	TRATION DATE : (	05/Apr/2025 06:45 AM
BARCODE NO.	: 01528366	COLLI	ECTION DATE : (	05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE : (	05/Apr/2025 08:49AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAST	HYA WELLN	ESS PANEL: 1.0	
	COM	PLETE BLOOD	COUNT (CBC)	
RED BLOOD CEL	LS (RBCS) COUNT AND INDICH	<u>ES</u>		
HAEMOGLOBIN (H	IB)	14.6	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL	(RBC) COUNT	4.78	Millions/cmn	n 3.50 - 5.00
	FOCUSING, ELECTRICAL IMPEDENCE	4.70	Winnons, enn	1 3.30 - 3.00
PACKED CELL VO		46	%	40.0 - 54.0
	AUTOMATED HEMATOLOGY ANALYZER LAR VOLUME (MCV)	96.2	fL	80.0 - 100.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	LAR HAEMOGLOBIN (MCH)	30.5	pg	27.0 - 34.0
MEAN CORPUSCU	LAR HEMOGLOBIN CONC. (MCH AUTOMATED HEMATOLOGY ANALYZER	HC) <b>31.7<sup>L</sup></b>	g/dL	32.0 - 36.0
	BUTION WIDTH (RDW-CV)	13.4	%	11.00 - 16.00
RED CELL DISTRI	AUTOMATED HEMATOLOGY ANALYZER BUTION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER	48.5	fL	35.0 - 56.0
MENTZERS INDEX		20.13	RATIO	BETA THALASSEMIA TRAIT: 13.0
				IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING IN by CALCULATED	IDEX	84.94	RATIO	BETA THALASSEMIA TRAIT:
by CALCULATED				<= 74.1 IRON DEFICIENCY ANEMIA: >= 74.1
WHITE BLOOD C	ELLS (WBCS)			2 / 11 <b>1</b>
		6520	/cmm	4000 - 11000
	Y BY SF CUBE & MICRUSCUPY			0.00 - 20.00
TOTAL LEUCOCY by flow cytometr NUCLEATED RED	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00





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, Haryana

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

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

 www.koshealthcare.com



Page 1 of 14





NAME: Mr. GOURAVAGE/ GENDER: 42 YRS/MALEPATIENT ID: 1818651COLLECTED BY:REG. NO./LAB NO.: 012504050001REFERRED BY:REGISTRATION DATE: 05/Apr/2025 06:45 AMBARCODE NO.: 01528366COLLECTION DATE: 05/Apr/2025 06:49AMCLIENT CODE.: KOS DIAGNOSTIC LABREPORTING DATE: 05/Apr/2025 08:49AMCLIENT ADDRESS: 6349/1, NICHOLSON ROAD, AMBALA CANTTImage: Content of the second se		Dr. Vinay Chop MD (Pathology & M Chairman & Consul				
COLLECTED BY       :       :       012504050001         REFERRED BY       :       :       05/Apr/2025 06:45 AM         BARCODE NO.       :       01528366       COLLECTION DATE       :       05/Apr/2025 06:49AM         CLIENT CODE.       :       KOS DIAGNOSTIC LAB       REPORTING DATE       :       :       05/Apr/2025 08:49AM         CLIENT ADDRESS       : <td< th=""><th>NAME</th><th>: Mr. GOURAV</th><th></th><th></th><th></th><th></th></td<>	NAME	: Mr. GOURAV				
REFERRED BY:REGISTRATION DATE:: <td>AGE/ GENDER</td> <td>: 42 YRS/MALE</td> <td>PATIE</td> <td>NT ID</td> <td>: 1818651</td> <td></td>	AGE/ GENDER	: 42 YRS/MALE	PATIE	NT ID	: 1818651	
REFERRED BY:REGISTRATION DATE:: <td>COLI FCTED BY</td> <td></td> <td>RFC N</td> <td>O /I AR NO</td> <td>• 012504050001</td> <td></td>	COLI FCTED BY		RFC N	O /I AR NO	• 012504050001	
BARCODE NO.         : 01528366         COLLECTION DATE         : 05/Apr/2025 06:49AM           CLIENT CODE.         : KOS DIAGNOSTIC LAB         REPORTING DATE         : 05/Apr/2025 08:49AM           CLIENT ADDRESS         : 6349/1, NICHOLSON ROAD, AMBALA CANTT         : 05/Apr/2025 08:49AM						
CLIENT CODE.       : KOS DIAGNOSTIC LAB       REPORTING DATE       : 05/Apr/2025 08:49AM         CLIENT ADDRESS       : 6349/1, NICHOLSON ROAD, AMBALA CANTT       : 05/Apr/2025 08:49AM						
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT						
				TING DATE	: 05/Apr/2025 08:49AM	
Test Name         Value         Unit         Biological Reference interval	CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
	Test Name		Value	Unit	Biological Reference interval	
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER DIFFERENTIAL LEUCOCYTE COUNT (DLC)						
		<u>deoerne courr (ble)</u>	54	0/	50 70	
NEUTROPHILS     54     %     50 - 70       by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY     54     %     50 - 70		BY SE CUBE & MICROSCOPY	54	%	50 - 70	
LYMPHOCYTES 35 % 20 - 40	-		35	%	20 - 40	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY		BY SF CUBE & MICROSCOPY				
EOSINOPHILS 5 % 1-6			5	%	1 - 6	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	-	BY SF CUBE & MICROSCOPY		0/	2 12	
MONOCYTES 6 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY		BY SECUBE & MICROSCOPY	6	%	2 - 12	
BASOPHILS 0 % 0 - 1	-		0	%	0 - 1	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY		BY SF CUBE & MICROSCOPY	0	,,,		
ABSOLUTE LEUKOCYTES (WBC) COUNT	ABSOLUTE LEUKC	OCYTES (WBC) COUNT				
ABSOLUTE NEUTROPHIL COUNT 3521 /cmm 2000 - 7500	ABSOLUTE NEUTR	OPHIL COUNT	3521	/cmm	2000 - 7500	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY				
ABSOLUTE LYMPHOCYTE COUNT 2282 /cmm 800 - 4900			2282	/cmm	800 - 4900	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	-		226	1	40 440	
ABSOLUTE EOSINOPHIL COUNT 326 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			320	/cmm	40 - 440	
ABSOLUTE MONOCYTE COUNT 391 /cmm 80 - 880	-		391	/cmm	80 - 880	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY				, emm		
ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110	ABSOLUTE BASOPI	HIL COUNT	0	/cmm	0 - 110	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	-					
PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.	<u>PLATELETS AND C</u>	OTHER PLATELET PREDICTIV	<u>VE MARKERS.</u>			
PLATELET COUNT (PLT) 174000 /cmm 150000 - 450000			174000	/cmm	150000 - 450000	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE			0.2	0/	0.10 0.20	
PLATELETCRIT (PCT) 0.2 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	```	· · · · · · · · · · · · · · · · · · ·	0.2	%	0.10 - 0.36	
MEAN PLATELET VOLUME (MPV) 11 fL 6.50 - 12.0	-		11	fL.	6.50 - 12.0	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE				12		
PLATELET LARGE CELL COUNT (P-LCC)         59000         /cmm         30000 - 90000	PLATELET LARGE	CELL COUNT (P-LCC)	59000	/cmm	30000 - 90000	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE		, ·				
PLATELET LARGE CELL RATIO (P-LCR)       34.2       %       11.0 - 45.0         by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE       %       11.0 - 45.0			34.2	%	11.0 - 45.0	
PLATELET DISTRIBUTION WIDTH (PDW) 16.7 % 15.0 - 17.0			16.7	%	15.0 - 17.0	



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

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







	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
NAME	: Mr. GOURAV		
AGE/ GENDER	: 42 YRS/MALE	PATIENT ID	: 1818651
<b>COLLECTED BY</b>	:	<b>REG. NO./LAB NO.</b>	: 012504050001
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 05/Apr/2025 06:45 AM
BARCODE NO.	: 01528366	<b>COLLECTION DATE</b>	: 05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 05/Apr/2025 08:49AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
Test Name	Value	e Unit	<b>Biological Reference interval</b>

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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

V 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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Dr. Vinay Cho MD (Pathology & N Chairman & Consu	Microbiology)	Dr. Yugar MI CEO & Consultar	) (Patholog	<b>(</b> )
NAME	: Mr. GOURA	V				
AGE/ GENDER	: 42 YRS/MAL	Æ	1	PATIENT ID	: 18186	351
COLLECTED BY	:		1	REG. NO./LAB NO.	:0125	04050001
REFERRED BY	:		]	REGISTRATION DATE	:05/Ap	or/2025 06:45 AM
BARCODE NO.	:01528366			COLLECTION DATE	:05/Ap	or/2025 06:49AM
CLIENT CODE.	: KOS DIAGNO	OSTIC LAB	]	REPORTING DATE	:05/Ap	or/2025 09:39AM
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, A	MBALA CANTT			
Test Name			Value	Unit		<b>Biological Reference interval</b>
		ERYTHRO	CYTE SEDIN	MENTATION RATI	E (ESR)	
ERYTHROCYTE S	EDIMENTATIO		12	mm/1st		0 - 20
by RED CELL AGGRE			,			
as C-reactive protein 3. This test may also systemic lupus erythh <b>CONDITION WITH LO</b> A low ESR can be see polycythaemia), sign as sickle cells in sickl <b>NOTE:</b> 1. ESR and C - reactive 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha	be used to mon ematosus W ESR n with conditior ificantly high w e cell anaemia) e protein (C-RP) is not change as by as many oth ed, it is typically we a higher ESR, rran, methyldop	itor disease activity his that inhibit the r hite blood cell cou also lower the ESF are both markers rapidly as does CR er factors as is ESR a result of two typ and menstruation a, oral contracepti	y and response t normal sediment int (leucocytosis) R. of inflammation. RP, either at the s , <b>making it a bett</b> pes of proteins, g and pregnancy c	o therapy in both of the ation of red blood cells, , and some protein abn start of inflammation or a <b>er marker of inflammatic</b> Jobulins or fibrinogen. an cause temporary elev	above disea such as a hi ormalities. as it resolve on. rations.	Some changes in red cell shape (suc





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

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







	MD (Path	nay Chopra nology & Microbiology) n & Consultant Pathologist		(Pathology)	
NAME	: Mr. GOURAV				
AGE/ GENDER	: 42 YRS/MALE		PATIENT ID	: 1818651	
COLLECTED BY	:		REG. NO./LAB NO.	: 012504050001	
<b>REFERRED BY</b>	:		REGISTRATION DATE	: 05/Apr/2025 06:45 AM	
BARCODE NO.	:01528366		COLLECTION DATE	:05/Apr/202506:49AM	
LIENT CODE. : KOS DIAGNOSTIC LAB		D	REPORTING DATE	: 05/Apr/2025 12:53PM	
CLIENT CODE.	: KOS DIAGNOSTIC LA	D .	REFORTING DATE	. 05/ Api/ 2025 12.55FM	
		D ROAD, AMBALA CANTT	REFURING DATE	. 05/ Api/ 2023 12.55rM	
CLIENT CODE. CLIENT ADDRESS Test Name		-	Unit	Biological Reference interval	
CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT Value		Biological Reference interval	
CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT Value INICAL CHEMIS	Unit	Biological Reference interval	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.
 A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



**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









		Chopra y & Microbiology) Consultant Pathologist	MD	n Chopra (Pathology) : Pathologist
AGE/ GENDER: 4COLLECTED BY:REFERRED BY:BARCODE NO.: 0CLIENT CODE.: 1	<b>Mr. GOURAV</b> 42 YRS/MALE 01528366 KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROA		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1818651 <b>: 012504050001</b> : 05/Apr/2025 06:45 AM : 05/Apr/2025 06:49AM : 05/Apr/2025 01:16PM
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OXIDAS		179.19	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SER by GLYCEROL PHOSPHAT		165.51 <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 CHOLESTEROL ( by SELECTIVE INHIBITION	DIRECT): SERUM	48.93	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPECTR		97.16	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 CHOLESTER by CALCULATED, SPECTR		130.26 <sup>H</sup>	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 CHOLESTEROL: by CALCULATED, SPECTR	OPHOTOMETRY	33.1	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN by CALCULATED, SPECTR		523.89	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL R by CALCULATED, SPECTR		3.66	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0

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: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



Page 6 of 14





		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. GOURAV			
AGE/ GENDER	: 42 YRS/MALE	PA	ATIENT ID	: 1818651
COLLECTED BY	:	RI	EG. NO./LAB NO.	: 012504050001
<b>REFERRED BY</b>	:	RI	EGISTRATION DATE	: 05/Apr/2025 06:45 AM
BARCODE NO.	:01528366	CO	<b>DLLECTION DATE</b>	: 05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 05/Apr/2025 01:16PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S		1.99	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	HDL RATIO: SERUM	3.38	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





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







AKOS
EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

.

	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. GOURAV			
AGE/ GENDER	: 42 YRS/MALE	PA	TIENT ID	: 1818651
COLLECTED BY			G. NO./LAB NO.	: 012504050001
REFERRED BY			GISTRATION DATE	
				: 05/Apr/2025 06:45 AM
BARCODE NO.	:01528366		LLECTION DATE	: 05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 05/Apr/2025 12:28PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER F	UNCTION T	EST (COMPLETE	)
BILIRUBIN TOTAL by DIAZOTIZATION, SF	: SERUM PECTROPHOTOMETRY	0.53	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Γ (CONJUGATED): SERUM	0.14	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM	0.39	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	1 RIDOXAL PHOSPHATE	26.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[ RIDOXAL PHOSPHATE	66.1 <sup>H</sup>	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.4	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	100.42	U/L	40.0 - 130.0
GAMMA GLUTAM by SZASZ, SPECTROF	YL TRANSFERASE (GGT): SERUN phtometry	<sup>4</sup> 170.8 <sup>H</sup>	U/L	0.00 - 55.0
TOTAL PROTEINS		7.09	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	3.88	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		3.21	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	Μ	1.21	RATIO	1.00 - 2.00

<u>INTERPRETATION</u> NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance 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





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

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

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

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







	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. GOURAV				
AGE/ GENDER	: 42 YRS/MALE	PAT	IENT ID	: 1818651	
COLLECTED BY	:	REG	NO./LAB NO.	: 01250403	50001
<b>REFERRED BY</b>	:	REG	ISTRATION DATE	:05/Apr/20	25 06:45 AM
BARCODE NO.	: 01528366	COL	LECTION DATE	:05/Apr/20	25 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	:05/Apr/20	25 12:28PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	Bio	ological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)	

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

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)

 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









	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugam MD ( CEO & Consultant	(Pathology)
NAME	: Mr. GOURAV			
AGE/ GENDER	: 42 YRS/MALE	I	PATIENT ID	: 1818651
COLLECTED BY	:	J	REG. NO./LAB NO.	: 012504050001
<b>REFERRED BY</b>	:	]	REGISTRATION DATE	: 05/Apr/2025 06:45 AM
BARCODE NO.	:01528366	(	COLLECTION DATE	: 05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	1	REPORTING DATE	:05/Apr/2025 12:06PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interv</b>
	KIDNE	Y FUNCTION	N TEST (COMPLETH	E)
UREA: SERUM by UREASE - GLUTAM	ATE DEHYDROGENASE (GLDH)	29.97	mg/dL	10.00 - 50.00
CREATININE: SERU		1.03	mg/dL	0.40 - 1.40
BLOOD UREA NITR by CALCULATED, SPEC	ROGEN (BUN): SERUM CTROPHOTOMETRY	14	mg/dL	7.0 - 25.0
BLOOD UREA NITE RATIO: SERUM by CALCULATED, SPEC	ROGEN (BUN)/CREATININE	13.59	RATIO	10.0 - 20.0
UREA/CREATININE		29.1	RATIO	
URIC ACID: SERUM by URICASE - OXIDASE		3.44 <sup>L</sup>	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPEC	CTROPHOTOMETRY	9.02	mg/dL	8.50 - 10.60
	RUM ATE, SPECTROPHOTOMETRY	3.51	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIVE		138.9	mmol/L	135.0 - 150.0
POTASSIUM: SERU by ISE (ION SELECTIVE	E ELECTRODE)	3.95	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE		104.18	mmol/L	90.0 - 110.0
ESTIMATED GLON	<b>IERULAR FILTERATION RAT</b>	<u>re</u>		
ESTIMATED GLOM (eGFR): SERUM by CALCULATED	IERULAR FILTERATION RATE	E 93		
	een pre- and post renal azotemia. 0:1) WITH NORMAL CREATININE:			

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.



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







		y <b>Chopra</b> ogy & Microbiology) & Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. GOURAV			
AGE/ GENDER	: 42 YRS/MALE	PAT	IENT ID	: 1818651
COLLECTED BY	:	REG	. NO./LAB NO.	: 012504050001
REFERRED BY	•		ISTRATION DATE	: 05/Apr/2025 06:45 AM
BARCODE NO.	:01528366		LECTION DATE	: 05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 05/Apr/2025 12:06PM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	)AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
1. Postrenal azotemi 2. Prerenal azotemia	nd starvation.	tely more than creatinine) (e ease.	e.g. obstructive uropa	athy).
4. Other causes of de	ecreased urea synthesis.			
	(urea rather than creatinine		ar fluid).	
	nmonemias (urea is virtually of inappropiate antidiuretic		cretion of urea	
8. Pregnancy.	or mappi opiate antiqui ette	Harmoney due to tubular se		
DECREASED RATIO (<	10:1) WITH INCREASED CREA			
	apy (accelerates conversion			
	releases muscle creatinine).			
3. Muscular patients	who develop renal failure.			
		se increase in creatinine w	ith certain methodolo	ogies,resulting in normal ratio when dehydratic
should produce an ir	ncreased BUN/creatinine rat	io).		, , , , , , , , , , , , , , , , , , ,
<ol><li>Cephalosporin the</li></ol>	rapy (interferes with creatin	ine measurement).		

ESTIMATED CLOMEDI II AD EII TEDATIONI DATE

CKD STAGE	DESCRIPTION	GFR ( mL/min/1.73m2 )	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with normal or high GFR	>90	Presence of Protein , Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	



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

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









	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)	gam Chopra MD (Pathology) Itant Pathologist
NAME	: Mr. GOURAV		
AGE/ GENDER	: 42 YRS/MALE	PATIENT ID	: 1818651
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012504050001
<b>REFERRED BY</b>	:	<b>REGISTRATION DAT</b>	<b>TE</b> : 05/Apr/2025 06:45 AM
BARCODE NO.	: 01528366	COLLECTION DATE	:05/Apr/202506:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	:05/Apr/2025 12:06PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT	
Test Name		Value Unit	Biological Reference interval

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated





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







	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. GOURAV		
AGE/ GENDER	: 42 YRS/MALE	PATIENT ID	: 1818651
COLLECTED BY	:	REG. NO./LAB NO.	: 012504050001
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 05/Apr/2025 06:45 AM
BARCODE NO.	: 01528366	<b>COLLECTION DATE</b>	: 05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 05/Apr/2025 09:01AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval
PHVSICAI FYAM	URINE ROUTINE & MI	L PATHOLOGY CROSCOPIC EXAMIN	NATION

PHYSICAL EXAMINATION			
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	10	ml	
COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	HAZY		CLEAR
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
CHEMICAL EXAMINATION			
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	6		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)

**MICROSCOPIC EXAMINATION** 



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

**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. GOURAV			
AGE/ GENDER	: 42 YRS/MALE	PATIENT I	D	: 1818651
COLLECTED BY	:	REG. NO./I	AB NO.	: 012504050001
<b>REFERRED BY</b>	:	REGISTRA	TION DATE	: 05/Apr/2025 06:45 AM
BARCODE NO.	: 01528366	COLLECTIO	ON DATE	: 05/Apr/2025 06:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTIN	G DATE	: 05/Apr/2025 09:01AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	IBALA CANTT		
	: 6349/1, NICHOLSON ROAD, AN	/IBALA CANTT Value	Unit	Biological Reference interval
<b>Test Name</b> RED BLOOD CELL			Unit /HPF	<b>Biological Reference interval</b> 0 - 3
Test Name RED BLOOD CELL by MICROSCOPY ON O PUS CELLS	S (RBCs)	Value		0
PUS CELLS by MICROSCOPY ON C EPITHELIAL CELL	S (RBCs) CENTRIFUGED URINARY SEDIMENT CENTRIFUGED URINARY SEDIMENT	Value NEGATIVE (-ve)	/HPF	0 - 3

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

\*\*\* End Of Report \*\*\*

ABSENT

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)





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



NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT