

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



	<b>Dr. Vinay Chopr</b> MD (Pathology & Micr Chairman & Consultar	robiology)		(Pathology)
AME	: Mr. SANJEEV SHARMA			
GE/ GENDER	: 49 YRS/MALE		PATIENT ID	: 1356214
OLLECTED BY	:		REG. NO./LAB NO.	: 012411020002
EFERRED BY	:		<b>REGISTRATION DATE</b>	: 02/Nov/2024 06:53 AM
ARCODE NO.	:01519888		COLLECTION DATE	: 02/Nov/2024 08:32AM
LIENT CODE. LIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB		REPORTING DATE	: 02/Nov/2024 08:33AM
LIENI ADDRESS	. 0549/ 1, NICHOLSON KOAD, AMD	ALA CANT I		
'est Name		Value	Unit	<b>Biological Reference interval</b>
	SWAST	HYA WF	LLNESS PANEL: 1.0	n
			DOD COUNT (CBC)	
ED BLOOD CELLS	(RBCS) COUNT AND INDICES			
AEMOGLOBIN (H)		13.6	gm/dL	12.0 - 17.0
by CALORIMETRIC	RBC) COUNT	4.71	Millions	/cmm 3.50 - 5.00
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE				
ACKED CELL VOLU by CALCULATED BY A	JME (PCV) UTOMATED HEMATOLOGY ANALYZER	42.4	%	40.0 - 54.0
	AR VOLUME (MCV) utomated hematology analyzer	89.9	fL	80.0 - 100.0
IEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	28.9	pg	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)	32.1	g/dL	32.0 - 36.0
•	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV)	14.7	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	14.7		11.00 - 10.00
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	49.5	fL	35.0 - 56.0
IENTZERS INDEX		19.09	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
REEN & KING IND	DEX	28.08	RATIO	BETA THALASSEMIA TRAIT:<
by CALCOLATED				65.0 IRON DEFICIENCY ANEMIA: >
				65.0
VHITE BLOOD CEI		6250		4000 11000
OTAL LEUCOCYTE by FLOW CYTOMETRY	(COUNT (TLC) BY SF CUBE & MICROSCOPY	6350	/cmm	4000 - 11000
	LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
	LOOD CELLS (nRBCS) %	NIL	%	< 10 %
	UTOMATED HEMATOLOGY ANALYZER			





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
 www.koshealthcare.com



Page 1 of 14





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

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

NAME	: Mr. SANJEEV SHARMA		
AGE/ GENDER	: 49 YRS/MALE	PATIENT ID	: 1356214
COLLECTED BY	:	REG. NO./LAB NO.	: 012411020002
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888	COLLECTION DATE	:02/Nov/202408:32AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 02/Nov/2024 08:33AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry by sf cube & microscopy	57	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	30	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	7 <sup>H</sup>	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by SF cube & microscopy	3620	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1905	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by SF cube & microscopy	444 <sup>H</sup>	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	381	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	203000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.26	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 <sup>H</sup>	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	98000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	48.2 <sup>H</sup>	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.4	%	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 & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mr. SANJEEV SHARMA		
AGE/ GENDER	: 49 YRS/MALE	PATIENT ID	: 1356214
<b>COLLECTED BY</b>	:	REG. NO./LAB NO.	: 012411020002
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888	<b>COLLECTION DATE</b>	: 02/Nov/2024 08:32AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 02/Nov/2024 08:33AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	<b>Biological Reference interval</b>





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







	MD (Pathology &	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist			
NAME	: Mr. SANJEEV SHARMA				
GE/ GENDER	: 49 YRS/MALE	PATIE	NT ID	: 1356214	
OLLECTED BY	:	REG. N	O./LAB NO.	: 012411020002	
EFERRED BY	:	REGIST	FRATION DATE	: 02/Nov/2024 06:53 AM	
ARCODE NO.	: 01519888	COLLE	CTION DATE	: 02/Nov/2024 08:32AM	
LIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	:02/Nov/202409:16AM	
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
'est Name		Value	Unit	<b>Biological Reference interval</b>	
ystemic lupus erythe	ematosus <b>W ESR</b> n with conditions that inhibit the		f red blood cells, suc	we diseases as well as some others, such as h as a high red blood cell count	





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



Page 4 of 14





	MD	. Vinay Chopra (Pathology & Microbio irman & Consultant Pa		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. SANJEEV SI	IARMA			
AGE/ GENDER	: 49 YRS/MALE		PATIEN	ГID	: 1356214
COLLECTED BY	:		REG. NO	./LAB NO.	: 012411020002
REFERRED BY	:		REGISTI	RATION DATE	: 02/Nov/2024 06:53 AM
BARCODE NO.	:01519888		COLLEC	<b>FION DATE</b>	: 02/Nov/2024 08:45AM
CLIENT CODE.	: KOS DIAGNOST	IC LAB	REPORT	TING DATE	: 02/Nov/2024 09:26AM
CLIENT ADDRESS	: 6349/1, NICHO	LSON ROAD, AMBALA	CANTT		
Test Name		Va	lue	Unit	<b>Biological Reference interval</b>
		CLINICAL CH	EMISTRY/B	BIOCHEMIST	'RY
		GLI	JCOSE FASTIN	NG (F)	
GLUCOSE FASTINO	G (F): PLASMA	D-POD)	3.82 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

 A fasting plasma glucose level below 100 mg/dl is considered normal.
 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.

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. 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
 www.koshealthcare.com



Page 5 of 14





	Dr. Vinay Ch MD (Pathology & Chairman & Cor	& Microbiology)	Dr. Yugam MD & Consultant	(Pathology)
NAME	: Mr. SANJEEV SHARMA			
AGE/ GENDER	: 49 YRS/MALE	PATIENT II	)	: 1356214
COLLECTED BY	:	REG. NO./L	AB NO.	: 012411020002
REFERRED BY	:	REGISTRAT	TION DATE	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888	COLLECTIO	N DATE	: 02/Nov/2024 08:45AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTIN	G DATE	: 02/Nov/2024 10:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROFILE : BA	SIC	
CHOLESTEROL TO by CHOLESTEROL O		276.28 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	435.13 <sup>H</sup>	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO	L (DIRECT): SERUM Jon	38.89	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO by CALCULATED, SPE		NOT CALCULATED	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLES' by calculated, spe		237.39 <sup>H</sup>	mg∕dL	VERY HIGH: > OR = 190.0 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 CHOLESTER(		NOT CALCULATED	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SEF		NOT CALCULATED	mg/dL	350.00 - 700.00
CHOLESTEROL/HI		7.1 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0

Ľ7

17.7 Y

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Cho MD (Pathology & I Chairman & Consu	Microbiology)	Dr. Yugam MD & Consultant	(Pathology)
NAME	: Mr. SANJEEV SHARMA			
AGE/ GENDER	: 49 YRS/MALE	PATIENT II	)	: 1356214
COLLECTED BY	:	REG. NO./L	AB NO.	: 012411020002
<b>REFERRED BY</b>	:	REGISTRAT	TON DATE	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888	COLLECTIO	N DATE	: 02/Nov/2024 08:45AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING	G DATE	: 02/Nov/2024 10:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S		NOT CALCULATED	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	11.19 <sup>H</sup>	RATIO	3.00 - 5.00
NOTE 2		WHEN TRIGLYCERID LDL AND VLDL ARE N		400 mg/dL THE CALCULATED VALUES OF LE

## **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

 Low hole to associate a winder of 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)







Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult		crobiology)	Dr. Yugam MD ( CEO & Consultant	Pathology)
NAME	: Mr. SANJEEV SHARMA			
AGE/ GENDER	: 49 YRS/MALE	PA	TIENT ID	: 1356214
COLLECTED BY	:	RE	G. NO./LAB NO.	: 012411020002
<b>REFERRED BY</b>	:	RE	GISTRATION DATE	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888	CO	LLECTION DATE	: 02/Nov/2024 08:45AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 02/Nov/2024 10:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY		0.84	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.69	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	27.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	42	U/L	0.00 - 49.00
AST/ALT RATIO: SI by CALCULATED, SPE		0.66	RATIO	0.00 - 46.00
ALKALINE PHOSPH by PARA NITROPHEN PROPANOL	IATASE: SERUM yl phosphatase by amino methyl	93.1	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM phtometry	42.86	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.01	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.07	gm/dL	3.50 - 5.50

by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM

by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

**GLOBULIN: SERUM** 

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:**

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)

2.94

1.38





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)

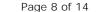
gm/dL

RATIO

2.30 - 3.50

1.00 - 2.00

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 & Microbiolo Chairman & Consultant Path		(Pathology)
NAME	: Mr. SANJEEV SHARMA		
AGE/ GENDER	: 49 YRS/MALE	PATIENT ID	: 1356214
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012411020002
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888	<b>COLLECTION DATE</b>	: 02/Nov/2024 08:45AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 02/Nov/2024 10:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	

## **DECREASED:**

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 & 1 Chairman & Consu		Microbiology) MD (Pathology)		Pathology)	
NAME	: Mr. SANJEEV SHARMA				
AGE/ GENDER	: 49 YRS/MALE	P	ATIENT ID	: 1356214	
COLLECTED BY	:	REG. NO./LAB NO. REGISTRATION DATE		: 012411020002	
<b>REFERRED BY</b>	:			: 02/Nov/2024 06:53 AM	
BARCODE NO.	: 01519888	<b>COLLECTION DATE</b>		:02/Nov/202408:45AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>		: 02/Nov/2024 10:09AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT			
Test Name		Value	Unit	<b>Biological Reference interval</b>	
	KIDNI	EY FUNCTION	TEST (COMPLETE)		
UREA: SERUM	MATE DEHYDROGENASE (GLDH)	21.77	mg/dL	10.00 - 50.00	
CREATININE: SER		1.1	mg/dL	0.40 - 1.40	
	BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		mg/dL	7.0 - 25.0	
RATIO: SERUM	ROGEN (BUN)/CREATININE	9.25 <sup>L</sup>	RATIO	10.0 - 20.0	
UREA/CREATININ		19.79	RATIO		
by CALCULATED, SPI URIC ACID: SERUN by URICASE - OXIDAS		7.12	mg/dL	3.60 - 7.70	
CALCIUM: SERUM	ECTROPHOTOMETRY	9.83	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SI		3.48	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM by ISE (ION SELECTIV		139.6	mmol/L	135.0 - 150.0	
POTASSIUM: SERU	M	4.05	mmol/L	3.50 - 5.00	
CHLORIDE: SERUN by ISE (ION SELECTIV	Л	104.7	mmol/L	90.0 - 110.0	
ESTIMATED GLON	MERULAR FILTERATION RATE				
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	IERULAR FILTERATION RATE	82.3			

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) 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.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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

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

antt - I 33 00 I, Haryana Ithcare.com

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







	MD (Patholo	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) t CEO & Consultant Pathologist	
NAME	: Mr. SANJEEV SHARMA				
AGE/ GENDER	: 49 YRS/MALE	Р	ATIENT ID	: 1356214	
COLLECTED BY	:	R	EG. NO./LAB NO.	: 012411020002	
REFERRED BY			EGISTRATION DA		
				: 02/Nov/2024 08:45AM	
BARCODE NO.	: 01519888		DLLECTION DATE		
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	<b>E</b> : 02/Nov/2024 10:09AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera	nd starvation. e. creased urea synthesis. furea rather than creatinine monemias (urea is virtually of inappropiate antidiuretic h IO:1) WITH INCREASED CREAT py (accelerates conversion c eleases muscle creatinine).	diffuses out of extracel absent in blood). harmone) due to tubular FININE:	secretion of urea.		
<ol> <li>Muscular patients</li> <li>INAPPROPIATE RATIC</li> <li>Diabetic ketoacido</li> <li>should produce an ir</li> <li>Cephalosporin the</li> </ol>	: sis (acetoacetate causes fals creased BUN/creatinine rati apy (interferes with creatini JLAR FILTERATION RATE: DESCRIPTIO Normal kidney fals Kidney damag normal or hig Mild decrease	o). ne measurement). DN GFR ( mL. Function e with h GFR in GFR	/min/1.73m2) >90 >90 >90 50 -89	odologies,resulting in normal ratio when dehydrat ASSOCIATED FINDINGS No proteinuria Presence of Protein , Albumin or cast in urine	
3. Muscular patients NAPPROPIATE RATIC 1. Diabetic ketoacido should produce an in 2. Cephalosporin the ESTIMATED GLOMERI CKD STAGE G1 G2 G3a G3b	: sis (acetoacetate causes fals creased BUN/creatinine rati apy (interferes with creatini JLAR FILTERATION RATE: DESCRIPTION Normal kidney fals Kidney damag normal or hig Mild decrease Moderate decrea	o). ne measurement). DN GFR ( mL. Function e with h GFR in GFR 6 se in GFR 6	/min/1.73m2) >90 >90 >90 50 -89 30-59	ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	
3. Muscular patients NAPPROPIATE RATIC 1. Diabetic ketoacido should produce an in 2. Cephalosporin the ESTIMATED GLOMERI CKD STAGE G1 G2 G3a	: sis (acetoacetate causes fals creased BUN/creatinine rati apy (interferes with creatini JLAR FILTERATION RATE: DESCRIPTIO Normal kidney fals Kidney damag normal or hig Mild decrease	o). ne measurement). DN GFR ( mL. Function e with h GFR in GFR se in GFR e in GFR	/min/1.73m2) >90 >90 >90 50 -89	ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	





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 & Microbiol Chairman & Consultant Patl	3, /	(Pathology)
NAME	: Mr. SANJEEV SHARMA		
AGE/ GENDER	: 49 YRS/MALE	PATIENT ID	: 1356214
COLLECTED BY	:	REG. NO./LAB NO.	: 012411020002
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888	<b>COLLECTION DATE</b>	: 02/Nov/2024 08:45AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 02/Nov/2024 10:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	CANTT	
Test Name	Valu	ie 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)







MD (Pa	inay Chopra athology & Microbiology) aan & Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)		
NAME : Mr. SANJEEV SHAF	RMA				
AGE/ GENDER : 49 YRS/MALE	PATIEN	T ID	: 1356214		
COLLECTED BY :	REG. NO	)./LAB NO.	: 012411020002		
REFERRED BY :	REGIST	RATION DATE	: 02/Nov/2024 06:53 AM		
<b>BARCODE NO.</b> : 01519888	COLLEC	TION DATE	: 02/Nov/2024 08:45AM		
<b>CLIENT CODE.</b> : KOS DIAGNOSTIC L	AB <b>REPOR</b>	FING DATE	: 02/Nov/2024 10:18AM		
<b>CLIENT ADDRESS</b> : 6349/1, NICHOLSO	NT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name	Value	Unit	<b>Biological Reference interval</b>		
	CLINICAL PATH	OLOGY			
UR	INE ROUTINE & MICROSCO	<b>OPIC EXAMIN</b>	ATION		
PHYSICAL EXAMINATION					
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTON	10 METRY	ml			
COLOUR	AMBER YELLOW		PALE YELLOW		
by DIP STICK/REFLECTANCE SPECTROPHOTON TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTON	HAZY		CLEAR		
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTON	1.01		1.002 - 1.030		
CHEMICAL EXAMINATION					
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOM	ACIDIC				
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOM	Negative		NEGATIVE (-ve)		
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOM	Negative		NEGATIVE (-ve)		
pH by DIP STICK/REFLECTANCE SPECTROPHOTOM	6		5.0 - 7.5		
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOM	Negative		NEGATIVE (-ve)		
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTON	Negative		NEGATIVE (-ve)		
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOM	Normal	EU/dL	0.2 - 1.0		
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTON	Negative		NEGATIVE (-ve)		
BLOOD	Negative		NEGATIVE (-ve)		
by DIP STICK/REFLECTANCE SPECTROPHOTON ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTON MICROSCOPIC EXAMINATION	NEGATIVE (-ve)		NEGATIVE (-ve)		
RED BLOOD CELLS (RBCs)	NEGATIVE (-ve)	/HPF	0 - 3		



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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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

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

NAME	: Mr. SANJEEV SHARMA			
AGE/ GENDER	: 49 YRS/MALE		PATIENT ID	: 1356214
COLLECTED BY	:		REG. NO./LAB NO.	: 012411020002
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 02/Nov/2024 06:53 AM
BARCODE NO.	: 01519888		<b>COLLECTION DATE</b>	: 02/Nov/2024 08:45AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 02/Nov/2024 10:18AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
,	CENTRIFUGED URINARY SEDIMENT			
DUSCEUS		3.5	/HDF	0 - 5

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	3-5	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT

End Of Report



**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

