



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMBA	LA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	:01513774	,	COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 25/Jul/2024 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWA	STHYA W	ELLNESS PANEL: G	
	CON	<b>/IPLETE BL</b>	OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB) by CALORIMETRIC		14.1	gm/dL	12.0 - 17.0
RED BLOOD CELL (RB	C) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.17 <sup>H</sup>	Millions/c	cmm 3.50 - 5.00
PACKED CELL VOLUN	IE (PCV)	43.8	%	40.0 - 54.0
MEAN CORPUSCULA		84.7	fL	80.0 - 100.0
MEAN CORPUSCULAI	<i>utomated hematology analyzer</i> R HAEMOGLOBIN (MCH)	27.3	pg	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER R HEMOGLOBIN CONC. (MCHC)	32.2	g/dL	32.0 - 36.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER ION WIDTH (RDW-CV)	14.8	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER	14.0	70	11.00 - 10.00
	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	47	fL	35.0 - 56.0
MENTZERS INDEX		16.38	RATIO	BETA THALASSEMIA TRAIT: < 13 IRON DEFICIENCY ANEMIA: >13
GREEN & KING INDE	X	24.27	RATIO	BETA THALASSEMIA TRAIT: < =
by CALCOLATED				65.0 IRON DEFICIENCY ANEMIA: > 65
WHITE BLOOD CELLS	<u>s (WBCS)</u>			
TOTAL LEUCOCYTE C	OUNT (TLC) ' by sf cube & microscopy	8770	/cmm	4000 - 11000
NUCLEATED RED BLC		NIL		0.00 - 20.00
NUCLEATED RED BLC	OOD CELLS (nRBCS) % utomated hematology analyzer &	NIL	%	< 10 %





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 Ch	00/2		Chopra
	Dr. Vinay Che MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AM	MBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	:01513774		COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Jul/2024 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCO	DCYTE COUNT (DLC)			
NEUTROPHILS		38 <sup>L</sup>	%	50 - 70
by FLOW CYTOMETR LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	27	%	20 - 40
	BY SF CUBE & MICROSCOPY	21	70	20-40
EOSINOPHILS		30 <sup>H</sup>	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	5	%	2 - 12
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY			
BASOPHILS		0	%	0 - 1
IMMATURE GRANUL	Y BY SF CUBE & MICROSCOPY OCTE (IG) %	0	%	0 - 5.0
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE LEUKOCY	TES (WBC) COUNT			
ABSOLUTE NEUTROF		3333	/cmm	2000 - 7500
ABSOLUTE LYMPHO	Y BY SF CUBE & MICROSCOPY	2368	/cmm	800 - 4900
	( BY SF CUBE & MICROSCOPY	2300	/ chini	000 4700
ABSOLUTE EOSINOP		2631 <sup>H</sup>	/cmm	40 - 440
ABSOLUTE MONOCY	<b>y by sf cube &amp; microscopy</b> TE COUNT	438	/cmm	80 - 880
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE BASOPHI		0	/cmm	0 - 110
	Y BY SF CUBE & MICROSCOPY RE GRANULOCYTE COUNT	0	/cmm	0.0 - 999.0
•	Y BY SF CUBE & MICROSCOPY			
	HER PLATELET PREDICTIVE MAR	<u>KERS.</u>		
PLATELET COUNT (PI	T)	214000	/cmm	150000 - 450000
PLATELETCRIT (PCT)	UUUSING, ELEUTRIUAL IMPEDENCE	0.24	%	0.10 - 0.36
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
		11	fL	6.50 - 12.0
PLATELET LARGE CEL	OCUSING, ELECTRICAL IMPEDENCE	71000	/cmm	30000 - 90000
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PLATELET LARGE CEL	L RATIO (P-LCR)	33.3	%	11.0 - 45.0





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

KOS Central Lab:6349/1, Nicholson Road, Ambala Cantt -133 001, HaryanaKOS Molecular Lab:IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana0171-2643898, +91 99910 43898care@koshealthcare.comwww.koshealthcare.comwww.koshealthcare.com







	<b>Dr. Vinay Chop</b> MD (Pathology & Mi Chairman & Consult	crobiology)		(Pathology)	
NAME	: Mr. VIKAS AGGARWAL				
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019	
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMB	ALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM	
BARCODE NO.	:01513774		<b>COLLECTION DATE</b>	: 25/Jul/2024 10:22AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Jul/2024 11:40AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interval	
PLATELET DISTRIBUT	OCUSING, ELECTRICAL IMPEDENCE FION WIDTH (PDW) FOCUSING, ELECTRICAL IMPEDENCE CTED ON EDTA WHOLE BLOOD	16.6	%	15.0 - 17.0	

RECHECKED.



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 Ch MD (Pathology & Chairman & Con			(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (A	MBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	:01513774	,	COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Jul/2024 12:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	GI	YCOSYLATED H	AEMOGLOBIN (HBA1C)	
GLYCOSYLATED HAEM( WHOLE BLOOD	DGLOBIN (HbA1c):	5.8	%	4.0 - 6.4
ESTIMATED AVERAGE F by HPLC (HIGH PERFORM		119.76	mg/dL	60.00 - 140.00
<u>INTERPRETATION:</u>				
	AS PER AMERICAN DIAE			
	FERENCE GROUP	GLYCOS	YLATED HEMOGLOGIB (HBAIC) ir	۱ %
	etic Adults >= 18 years		<5.7	
ALF	Risk (Prediabetes)	/	5.7 - 6.4	

Non diabetic Adults >= 18 years	<5.7		
At Risk (Prediabetes)	5.7 - 6.4		
Diagnosing Diabetes	Diagnosing Diabetes >= 6.5		
	Age > 19 Ye	ars	
	Goals of Therapy:	< 7.0	
Therapeutic goals for glycemic control	Actions Suggested:	>8.0	
	Age < 19 Ye	ars	
	Goal of therapy:	<7.5	

## COMMENTS:

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be

5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7. Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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



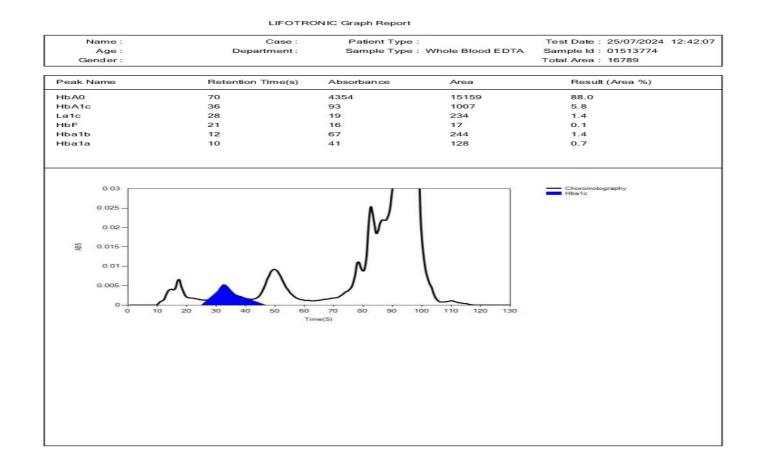
Page 4 of 16

4.High





	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. VIKAS AGGARWAL		
AGE/ GENDER	: 52 YRS/MALE	PATIENT ID	: 1560059
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407250019
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	: 01513774	<b>COLLECTION DATE</b>	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 25/Jul/2024 12:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	2	
Test Name	Value	Unit	Biological Reference interval







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.



	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbio Chairman & Consultant Pa	ology)	g <b>am Chopra</b> MD (Pathology) Itant Pathologist
NAME	: Mr. VIKAS AGGARWAL		
AGE/ GENDER	: 52 YRS/MALE	PATIENT ID	: 1560059
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012407250019
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA C	ANTT) REGISTRATION DAT	<b>E</b> : 25/Jul/2024 10:11 AM
BARCODE NO.	:01513774	COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 25/Jul/2024 11:16AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Val	lue Unit	Biological Reference interval
	ERYTHROCYTI	E SEDIMENTATION RATE	(ESR)
	MENTATION RATE (ESR)       12         In GREIN AUTOMATED METHOD       12	mm/1	lst hr 0 - 20
systemic lupus erythe <b>CONDITION WITH LOV</b> A low ESR can be see polycythaemia), sigr as sickle cells in sickl <b>NOTE:</b> 1. ESR and C - reactive 2. Generally, ESR doe 3. <b>CRP is not affected</b> 4. If the ESR is elevated 5. Women tend to ha 5. Drugs such as dext	ematosus <b>N ESR</b> n with conditions that inhibit the normal s ificantly high white blood cell count (leuc e cell anaemia) also lower the ESR. e protein (C-RP) are both markers of inflan s not change as rapidly as does CRP, eithe <b>by as many other factors as is ESR, making</b> ed, it is typically a result of two types of pr ve a higher ESR, and menstruation and pre	sedimentation of red blood cell cocytosis), and some protein a nmation. r at the start of inflammation of <b>j it a better marker of inflamma</b> roteins, globulins or fibrinogen conancy can cause temporary e	bnormalities. Some changes in red cell shape (such or as it resolves. a <b>tion.</b>

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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



Page 6 of 16





	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
REFERRED BY	: CENTRAL PHOENIX CLUB (A	MBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	: 01513774		<b>COLLECTION DATE</b>	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Jul/2024 11:57AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	CLIN		STRY/BIOCHEMISTR	Y
		GLUCOS	E FASTING (F)	
GLUCOSE FASTING (	F): PLASMA E - PEROXIDASE (GOD-POD)	93.48	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.
 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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		hopra & Microbiology) nsultant Pathologis		(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
REFERRED BY	: CENTRAL PHOENIX CLUB (	AMBALA CANTT)	REGISTRATION DATE	: 25/Jul/2024 10:11 AM
BARCODE NO.	:01513774		COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Jul/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
CHOLESTEROL TOTA	L: SERUM	190.81	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		170.01	nig/ dE	BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	105.52	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL ( by SELECTIVE INHIBITI		41.76	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPE		127.95	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by CALCULATED, SPE		149.05 <sup>H</sup>	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: by calculated, spe		21.1	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN by Calculated, spe	N	487.14	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL by CALCULATED, SPE		4.57 <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
LDL/HDL RATIO: SER by calculated, spe		3.06 <sup>H</sup>	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

<u>ئە</u>

回燃

5

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 Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. VIKAS AGGARWAL		
AGE/ GENDER	: 52 YRS/MALE	PATIENT ID	: 1560059
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407250019
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	: 01513774	<b>COLLECTION DATE</b>	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 25/Jul/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	2.55	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 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







	<b>Dr. Vinay Cho</b> MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AM	IBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	: 01513774		COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Jul/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT	,	
Test Name		Value	Unit	Biological Reference interval
	LIV	/ER FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM <i>PECTROPHOTOMETRY</i>	0.64	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.21	mg/dL	0.00 - 0.40
	「(UNCONJUGATED): SERUM ECTROPHOTOMETRY	0.43	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	(RIDOXAL PHOSPHATE	19.26	U/L	7.00 - 45.00
SGPT/ALT: SERUM	/RIDOXAL PHOSPHATE	26.46	U/L	0.00 - 49.00
AST/ALT RATIO: SER		0.73	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		94.5	U/L	40.0 - 150.0
GAMMA GLUTAMYL by SZASZ, SPECTRO	_ TRANSFERASE (GGT): SERUM	18.4	U/L	0.00 - 55.0
TOTAL PROTEINS: SI	ERUM	6.81	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.34	gm/dL	3.50 - 5.50
•				

by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

**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:

DRUG HEPATOTOXICITY	> 2	
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)	
CIRRHOSIS	1.4 - 2.0	
INTRAHEPATIC CHOLESTATIS	> 1.5	

2.47

1.76





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 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



**INTERPRETATION** 





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. VIKAS AGGARWAL		
AGE/ GENDER	: 52 YRS/MALE	PATIENT ID	: 1560059
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407250019
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	: 01513774	<b>COLLECTION DATE</b>	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 25/Jul/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Inc	reased)
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).

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)

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 Ch MD (Pathology & Chairman & Cor			(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
REFERRED BY	: CENTRAL PHOENIX CLUB (A	MBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	: 01513774		COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Jul/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	КІ	DNEY FUNCTIO	ON TEST (COMPLETE)	
UREA: SERUM		17.59	mg/dL	10.00 - 50.00
by UREASE - GLUTAN	IATE DEHYDROGENASE (GLDH)		<u>.</u>	
CREATININE: SERUM		0.84	mg/dL	0.40 - 1.40
		8.22	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		0.22	Ing/ dL	7.0 - 23.0
BLOOD UREA NITROGEN (BUN)/CREATININE		9.79 <sup>L</sup>	RATIO	10.0 - 20.0
RATIO: SERUM	FOTBODUOTOMETRY			
by CALCULATED, SPI UREA/CREATININE F		20.94	RATIO	
by CALCULATED, SPE		20.71	101110	
URIC ACID: SERUM		4.7	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE		mg/dL	8.50 - 10.60
by ARSENAZO III, SPI	ECTROPHOTOMETRY	8.45 <sup>L</sup>	Thy/uL	8:50 - 10:00
PHOSPHOROUS: SERUM		4.28	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
		140.0	1.4	
SODIUM: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	140.3	mmol/L	135.0 - 150.0
POTASSIUM: SERUM		4.08	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				
CHLORIDE: SERUM by ISE (ION SELECTIV		105.23	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	104.9		
(eGFR): SERUM		104.7		
by CALCULATED				
INTERPRETATION:				

**<u>INTERPRETATION:</u>** 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.



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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		<b>Dr. Vinay Chopra</b> 1D (Pathology & Micro Chairman & Consultan	obiology)	Dr. Yugam Chopra MD (Pathology) gist CEO & Consultant Pathologist		
NAME	: Mr. VIKAS AG	GARWAL				
AGE/ GENDER	: 52 YRS/MALE			PATIENT ID	: 1560059	
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	:012407250019	
REFERRED BY		TENIN CLUD (AMDAL		REGISTRATION DAT		
		JENIA CLUD (AMDAL	LA CANTT)			
BARCODE NO.	:01513774			COLLECTION DATE	: 25/Jul/2024 10:22	
CLIENT CODE.	: KOS DIAGNOS			REPORTING DATE	: 25/Jul/2024 12:09	0PM
CLIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD, AMBA	ALA CANTT			
Test Name			Value	Unit	Biological	Reference interval
1. Acute tubular necr		ASED BUN :				
<ol> <li>Low protein diet an</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> </ol>	nd starvation. e. creased urea syn (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCREA ipy (accelerates co	thesis. creatinine diffuses o is virtually absent in htidiuretic harmone) ASED CREATININE: onversion of creatine	blood). due to tubu	lar secretion of urea.		
<ol> <li>Low protein diet ar</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> </ol>	nd starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate ar <b>10:1) WITH INCRE/</b> upy (accelerates co eleases muscle cr who develop ren: creased BUN/creater or as a star a star a star or a star a star a star of the star a star a star a star of the star a star a star a star a star of the star a star a star a star of the star a star a star a star of the star a star a star a star a star of the star a star a star a star a star of the star a star a star a star a star of the star a st	thesis. creatinine diffuses o is virtually absent in ntidiuretic harmone) o <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. causes false increase atinine ratio).	blood). due to tubu e to creatinir e in creatini	lar secretion of urea. ne).	dologies,resulting in norma	al ratio when dehydrat
<ol> <li>Low protein diet ar</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> </ol>	nd starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate ar <b>10:1) WITH INCRE/</b> upy (accelerates co eleases muscle cr who develop remo creased BUN/creation rapy (interferes w	thesis. creatinine diffuses o is virtually absent in ntidiuretic harmone) o <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measu	blood). due to tubu e to creatinir e in creatini	lar secretion of urea. ne).	dologies,resulting in norma	al ratio when dehydrati
<ol> <li>Low protein diet ar</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> <li>Cephalosporin their</li> <li>ESTIMATED GLOMERL</li> <li>CKD STAGE</li> </ol>	nd starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate ar <b>10:1) WITH INCRE/</b> upy (accelerates co eleases muscle cr who develop remo- sis (acetoacetate creased BUN/crea- rapy (interferes w <b>JLAR FILTERATION</b>	thesis. creatinine diffuses o is virtually absent in ntidiuretic harmone) o ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION	blood). due to tubu e to creatinir e in creatini rement).	lar secretion of urea. ne). ne with certain metho nL/min/1.73m2 )	ASSOCIATED FINDINGS	al ratio when dehydrati
<ol> <li>Low protein diet ar</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> <li>Cephalosporin their</li> <li>ESTIMATED GLOMERI</li> <li>CKD STAGE</li> <li>G1</li> </ol>	nd starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate ar <b>10:1) WITH INCRE/</b> upy (accelerates co eleases muscle cr who develop remove sis (acetoacetate creased BUN/crea- rapy (interferes w ULAR FILTERATION	thesis. creatinine diffuses o is virtually absent in ntidiuretic harmone) o ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function	blood). due to tubu e to creatinir e in creatini rement).	lar secretion of urea. ne). ne with certain methor nL/min/1.73m2 ) >90	ASSOCIATED FINDINGS No proteinuria	al ratio when dehydrati
<ol> <li>Low protein diet ar</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> <li>Cephalosporin their</li> <li>ESTIMATED GLOMERL</li> <li>CKD STAGE</li> </ol>	nd starvation. e. creased urea sym (urea rather than monemias (urea of inappropiate ar <b>10:1) WITH INCRE/</b> py (accelerates co eleases muscle cr who develop remo- creased BUN/crea- rapy (interferes w <u>JLAR FILTERATION</u> Norm Kid	thesis. creatinine diffuses o is virtually absent in ntidiuretic harmone) o ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION	blood). due to tubu e to creatinir e in creatini rement).	lar secretion of urea. ne). ne with certain methor nL/min/1.73m2) >90 >90	ASSOCIATED FINDINGS	al ratio when dehydrati
<ol> <li>Low protein diet ar</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> <li>Cephalosporin their</li> <li>ESTIMATED GLOMERI</li> <li>CKD STAGE</li> <li>G1</li> </ol>	nd starvation. e. creased urea sym (urea rather than monemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co eleases muscle cr who develop removes bis (acetoacetate creased BUN/creation creased BUN/creation Distribution of the sympto- sympto- bis (acetoacetate creased BUN/creation bis (acetoacetate creased BUN/cr	thesis. creatinine diffuses o is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function_ ney damage with	blood). due to tubu e to creatinir e in creatini rement).	lar secretion of urea. ne). ne with certain methor nL/min/1.73m2) >90 >90	ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	al ratio when dehydrat

Severe decrease in GFR	
Kidney failure	



G3b

G4

G5

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

Moderate decrease in GFR

Kidney failure

30-59

15-29

<15

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 Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. VIKAS AGGARWAL		
AGE/ GENDER	: 52 YRS/MALE	PATIENT ID	: 1560059
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407250019
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	: 01513774	COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 25/Jul/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval

COMMENTS: 1. 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. 2. eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012 3. 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 eGFR with Creatine CFP.

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)







NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE	PATIENT ID	: 1560059	
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407250019	
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANT	T) <b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM	
BARCODE NO.	: 01513774	<b>COLLECTION DATE</b>	: 25/Jul/2024 10:22AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 25/Jul/2024 12:34PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	TT		
Test Name	Value	Unit	Biological Reference interval	
	IMMUNOPAT	THOLOGY/SEROLOGY		
	C-REACTI	VE PROTEIN (CRP)		
C-REACTIVE PROTEI SERUM by NEPHLOMETRY	N (CRP) QUANTITATIVE: 1.58	mg/L	0.0 - 6.0	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process.

Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.
 Oral contraceptives may increase CRP levels.





**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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		Chopra y & Microbiology) consultant Pathologis		(Pathology)
NAME	: Mr. VIKAS AGGARWAL			
AGE/ GENDER	: 52 YRS/MALE		PATIENT ID	: 1560059
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250019
REFERRED BY	: CENTRAL PHOENIX CLUB	(AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 25/Jul/2024 10:11 AM
BARCODE NO.	:01513774	`````	COLLECTION DATE	: 25/Jul/2024 10:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 26/Jul/2024 11:14AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
<b>NTERPRETATION:</b> ead is the most ubiquito ndustries manufacturing ead containing toys & pa	lead containing paints & ceramic gl	ally all phases of the ir azes, batteries, water p posure in children. Cer	pipes & ammunition. Major expo ntre for Disease Control ( CDC) re	< 150.0 ogical systems. Industrial exposure to lead is seen in usure of the general population is through food & wate ecommends universal screening of children from 6 orduced memory and bildree
6		, 0	IATED CONDITIONS	
Lead exp 1. Occupational expo planting, auto repair 2. Other sources are li	osure can occur as – sure in gasoline industries, Lead r plants and construction sites. ike leaded house paints, drinking	Prolonged exposure Microcytic hypochro	e to lead is often associated with omic anaemia, renal dysfunction	
contaminated soil, cer preparations etc. In ch	nbing, vegetables grown in lead tain Chinese and Ayurveda herbal ildren exposure through soil as in aining lead can be sources of exposure.		anorexia, muscle discomfort, ion, and metallic taste.	
IFAD	LEVELS IN (µg/L)	AC	TION REQUIRED	
	0 - 9		additional action	
10 - 19		Identify a	nd minimise exposure:	

>=100 Toxicity, Chelate immediately 1. Whole Blood metal testing is used for the detection of recent exposure or poisoning with the toxic element. However, blood metal levels in healthy subjects can vary considerably with exposure to the particular metal present in the diet and in the environment.

Exposure removal if symptomatic

Immediate evaluation

2. It should be noted that low or within acceptable levels in blood do not always exclude that the element is uninvolved in contributing to the patient's symptoms because certain elements may be sequestered in tissues. 3. Lower metal levels in patients on follow-up imply that the toxic element exposure is reduced in the patient's immediate environment or that the body has efficiently

eliminated the toxic element. NOTE:

Inductively Coupled Plasma-Mass Spectrometry is used to determine the level of heavy / trace metals in biological tissues
 To assess occupational exposure sample should be collected at the end of the shift on the last day of the work week

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





20 - 39

40 - 79

**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



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT