



Dr Vinay Chon	ra	I Dr Yugam	Chopra
MD (Pathology & Mi	Microbiology) MD (Pathology)		(Pathology)
Mr. BALJIT SINGH			
59 YRS/MALE		PATIENT ID	: 1643664
		REG. NO./LAB NO.	: 012410150003
		REGISTRATION DATE	: 15/Oct/2024 07:14 AM
01518907		COLLECTION DATE	: 15/Oct/2024 07:22AM
KOS DIAGNOSTIC LAB		REPORTING DATE	: 15/Oct/2024 08:49AM
6349/1, NICHOLSON ROAD, AM	BALA CANTT		
	Value	Unit	Biological Reference interval
SWA	STHYA WE	ELLNESS PANEL: G	
CO	MPLETE BLC	DOD COUNT (CBC)	
S) COUNT AND INDICES			
	13.1	gm/dL	12.0 - 17.0
	4.74	Millions/cr	mm 3.50 - 5.00
PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER		%	40.0 - 54.0
	86.2	fL	80.0 - 100.0
	27.7	pg	27.0 - 34.0
	32.1	g/dL	32.0 - 36.0
	16	%	11.00 - 16.00
	51.6	fL	35.0 - 56.0
	18.19	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
	29.16	RATIO	BETA THALASSEMIA TRAIT:<= 65. IRON DEFICIENCY ANEMIA: > 65.0
<u>/BCS)</u>			
	5820	/cmm	4000 - 11000
	NIL;		0.00 - 20.00
	NIL	%	< 10 %
		%	
	MD (Pathology & Mi Chairman & Consult Mr. BALJIT SINGH 59 YRS/MALE 01518907 KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROAD, AM SWA CO S) COUNT AND INDICES COUNT USING, ELECTRICAL IMPEDENCE (PCV)	Mr. BALJIT SINGH 59 YRS/MALE 01518907 KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Value SWASTHYA WI COMPLETE BLC SJ COUNT AND INDICES 13.1 COUNT 4.74 USING, ELECTRICAL IMPEDENCE (PCV) 40.9 DMATED HEMATOLOGY ANALYZER OLUME (MCV) 86.2 DMATED HEMATOLOGY ANALYZER IAEMOGLOBIN (MCH) 27.7 DMATED HEMATOLOGY ANALYZER IEMOGLOBIN CONC. (MCHC) 32.1 DMATED HEMATOLOGY ANALYZER I MIDTH (RDW-CV) 16 DMATED HEMATOLOGY ANALYZER N WIDTH (RDW-SD) 51.6 DMATED HEMATOLOGY ANALYZER N T (TLC) 5820 CELLS (nRBCS) N NIL; HEMATOLOGY ANALYZER D CELLS (nRBCS) % NIL; HEMATOLOGY ANALYZER	MD (Pathology & Microbiology) Chairman & Consultant Pathologist Mr. BALJIT SINCH 59 YRS/MALE PATTENT ID REG. NO./LAB NO. REGISTRATION DATE 01518907 COLLECTION DATE 01518907 COLLECTION DATE 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit SWASTHYA WELLNESS PANEL: G COMPLETE BLOOD COUNT (CBC) S) COUNT AND INDICES 13.1 gm/dL COUNT 4.74 Millions/cr USING, ELECTRICAL IMPEDENCE PCV) 40.9 % OLUME (MCV) 86.2 fL DMATED HEMATOLOGY ANALYZER NUDTH (RDW -CV) 16 % 00MATED HEMATOLOGY ANALYZER NUDTH (RDW -CV) 16 % 00MATED HEMATOLOGY ANALYZER NUTCH (PW -CV) 16 % 00MATED HEMATOLOGY ANALYZER NUDTH (RDW -SD) 51.6 fL 18.19 RATIO 29.16 RATIO VECS) NIL: VECS) NIL: 00MATED HEMATOLOGY ANALYZER NIL: VECS) NIL: 00MATED HEMATOLOGY ANALYZER NIL: VECS) NIL: 00MATED HEMATOLOGY ANALYZER 00CH (RDC) 5820 /cmm



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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. BALJIT SINGH AGE/ GENDER : 59 YRS/MALE **PATIENT ID** :1643664 **COLLECTED BY** :012410150003 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 15/Oct/2024 07:14 AM **BARCODE NO.** :01518907 **COLLECTION DATE** : 15/Oct/2024 07:22AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 15/Oct/2024 08:49AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 35 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 3 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 7 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 3143 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 2037 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 175 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 407 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 - 110 0 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) 244000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.10 - 0.36 PLATELETCRIT (PCT) 0.28 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 89000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 36.5 11.0 - 45.0 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) 16.7 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	GLY	YCOSYLATED HAEMOO	GLOBIN (HBA1C)	
GLYCOSYLATED HAEMO WHOLE BLOOD		7.6 <sup>H</sup>	%	4.0 - 6.4
ESTIMATED AVERAGE F	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	171.42 <sup>H</sup>	mg/dL	60.00 - 140.00
• •				
• •	AS PER AMERICAN DIABE	ETES ASSOCIATION (ADA):		
NTERPRETATION:	AS PER AMERICAN DIABE	, ,	IEMOGLOGIB (HBAIC) i	n %
NTERPRETATION: REI Non diabo	FERENCE GROUP etic Adults >= 18 years	, ,	HEMOGLOGIB (HBAIC) in <5.7	n %
NTERPRETATION: REI Non diabo At R	FERENCE GROUP           etic Adults >= 18 years           Risk (Prediabetes)	, ,	<5.7 5.7 – 6.4	n %
NTERPRETATION: REI Non diabo At R	FERENCE GROUP etic Adults >= 18 years	GLYCOSYLATED F	<5.7 5.7 – 6.4 >= 6.5	n %
NTERPRETATION: REI Non diabo At R	FERENCE GROUP           etic Adults >= 18 years           Risk (Prediabetes)	GLYCOSYLATED H	<5.7 5.7 – 6.4 >= 6.5 e > 19 Years	
NTERPRETATION: REI Non diabo At R Diac	FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	GLYCOSYLATED H Ag Goals of Therapy:	<5.7 5.7 – 6.4 >= 6.5 e > 19 Years	
INTERPRETATION: REI Non diabo At R Diac	FERENCE GROUP           etic Adults >= 18 years           Risk (Prediabetes)	GLYCOSYLATED H Ag Goals of Therapy: Actions Suggested:	<5.7 5.7 – 6.4 >= 6.5 e > 19 Years	

## 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 appropiate.

HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 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.





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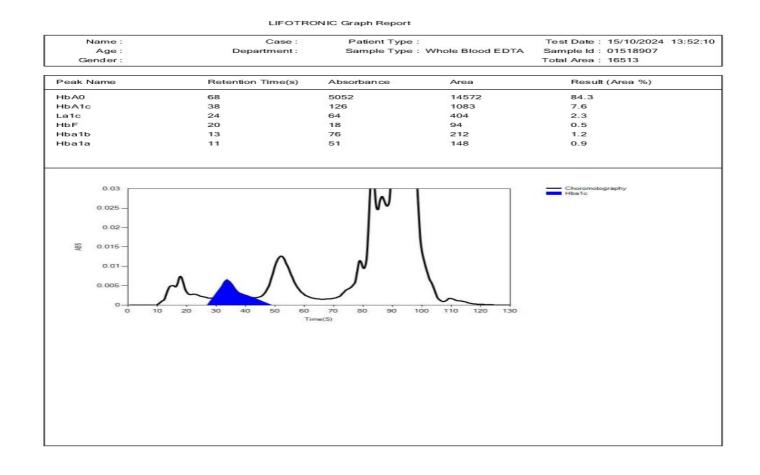
TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

4.High





	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology) MD	n Chopra 9 (Pathology) t Pathologist
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	
Test Name		Value Unit	Biological Reference interval







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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	Microbiology)	Dr. Yugam MD (f CEO & Consultant F	Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. BALJIT SINGH : 59 YRS/MALE : : : 01518907 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REGIS' COLLE REPOI	NT ID 10./LAB NO. TRATION DATE CTION DATE RTING DATE	: 1643664 <b>: 012410150003</b> : 15/Oct/2024 07:14 AM : 15/Oct/2024 07:22AM : 15/Oct/2024 09:17AM
Test Name		Value	Unit	Biological Reference interval
	FDVTH	ROCYTE SEDIMENT	ATION RATE (EGD	
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also 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 - reactiv 2. Generally, ESR doe 3. <b>CRP is not affected</b> 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	does not tell the health practition cted by other conditions besides in be used to monitor disease activit ematosus <b>WESR</b> n with conditions that inhibit the n ificantly high white blood cell cou e cell anaemia) also lower the ESI e protein (C-RP) are both markers is not change as rapidly as does CR by as many other factors as is ESR ed, it is typically a result of two typ ve a higher ESR, and menstruation	ner exactly where the in nflammation. For this re- ry and response to thera normal sedimentation of unt (leucocytosis), and R. of inflammation. RP, either at the start of t, making it a better mar pes of proteins, globulin and pregnancy can cau	flammation is in the l eason, the ESR is typi apy in both of the abo of red blood cells, suc some protein abnorr f inflammation or as i <b>ker of inflammation</b> . ns or fibrinogen. ise temporary elevati	cally used in conjunction with other test such ove diseases as well as some others, such as ch as a high red blood cell count malities. Some changes in red cell shape (such it resolves.





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Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY		r i
GLUCOSE FASTING ( by glucose oxidas	F): PLASMA e - peroxidase (god-pod)	150.05 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
1. A fasting plasma g 2. A fasting plasma g test (after consumpti 3. A fasting plasma g	on of 75 ams of alucose) is recon	considered normal. ng/dl is considered as g nmended for all such pa s highly suggestive of d	itients. Jabetic state. A repea	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for a atory for diabetic state.





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		hopra Dr. Yugam Chopra & Microbiology) MD (Pathology) nsultant Pathologist CEO & Consultant Pathologist		
NAME : Mr. BALJ AGE/ GENDER : 59 YRS/M COLLECTED BY : REFERRED BY : BARCODE NO. : 01518907 CLIENT CODE. : KOS DIAC	IALE	REG. 1 REGIS COLL	ENT ID NO./LAB NO. STRATION DATE ECTION DATE RTING DATE	: 1643664 <b>: 012410150003</b> : 15/Oct/2024 07:14 AM : 15/Oct/2024 07:22AM : 15/Oct/2024 12:01PM
	NICHOLSON ROAD,			. 10/ 000 202 1 12.011 M
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	· BASIC	
CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP		172.25	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDAS	E (ENZYMATIC)	99.73	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRECT): SEF by SELECTIVE INHIBITION	RUM	46.71	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTON	<i>METRY</i>	105.59	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 CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTON		125.54	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: SERUM by calculated, spectrophotom	<i>METRY</i>	19.95	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by calculated, spectrophotom	<i>METRY</i>	444.23	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SERU by Calculated, spectrophoton		3.69	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: SERUM by Calculated, spectrophotom	<i>IETRY</i>	2.26	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0



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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.14 <sup>L</sup>	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.

 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.
 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





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







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

Unit

**Biological Reference interval** 

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Dr. Vinay Chopra

MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

Value

	10.00	Chint	
L	VER FUNCTION TES	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.35	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.23	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	34.2	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	30.1	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by Calculated, spectrophotometry	1.14	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHY PROPANOL	78.78 L	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	20.53	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.79	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.12	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.67	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.54	RATIO	1.00 - 2.00

**INTERPRETATION** 

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



B.r.

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Test Name





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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).

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)







	<b>Dr. Vinay Ch</b> MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. BALJIT SINGH				
AGE/ GENDER	: 59 YRS/MALE	PAT	IENT ID	: 1643664	
COLLECTED BY	:	REG	. NO./LAB NO.	: 012410150003	
<b>REFERRED BY</b>	:	REG	ISTRATION DATE	: 15/Oct/2024 07:14 AM	
BARCODE NO.	: 01518907	COL	LECTION DATE	: 15/Oct/2024 07:22AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 15/Oct/2024 12:01PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, .	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	I
	KI	ONEY FUNCTION T	EST (COMPLETE)		
UREA: SERUM		23.73	mg/dL	10.00 - 50.00	
	IATE DEHYDROGENASE (GLDH)	20070	g, a2		
CREATININE: SERUN		1.09	mg/dL	0.40 - 1.40	
by ENZYMATIC, SPEC BLOOD UREA NITRC		11.09	mg/dL	7.0 - 25.0	
by CALCULATED, SPE		11.07	Thg/ dE	1.0 - 23.0	
	GEN (BUN)/CREATININE	10.17	RATIO	10.0 - 20.0	
RATIO: SERUM					
by CALCULATED, SPE UREA/CREATININE F		21.77	RATIO		
by CALCULATED, SPE		21.77	in the		
URIC ACID: SERUM		5.12	mg/dL	3.60 - 7.70	
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.13	ma/dl	8.50 - 10.60	
by ARSENAZO III, SPE	CTROPHOTOMETRY	9.13	mg/dL	0.30 - 10.60	
PHOSPHOROUS: SEF		2.94	mg/dL	2.30 - 4.70	
	DATE, SPECTROPHOTOMETRY				
ELECTROLYTES					
SODIUM: SERUM		140.9	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV POTASSIUM: SERUN		4.38	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV		1.00		0.00 0.00	
CHLORIDE: SERUM		105.68	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIV	e electrode) RULAR FILTERATION RATE				
		70.0			
egfr): Serum	RULAR FILTERATION RATE	78.2			
by CALCULATED					

## by CALCULATED

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.



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







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	ficrobiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mr. BALJIT SINGH			
AGE/ GENDER	: 59 YRS/MALE	PATIENT ID	: 1643664	
COLLECTED BY		REG. NO./LAB NO.		
REFERRED BY	:	<b>REGISTRATION D</b>	ATE : 15/Oct/2024 07:1	4 AM
BARCODE NO.	: 01518907	COLLECTION DAT	E : 15/Oct/2024 07:2	2AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DAT	E : 15/Oct/2024 12:0	1PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CANTT		
Test Name		Value Un	it Biological	Reference interval
<ol> <li>Acute tubular necr</li> <li>Low protein diet ai</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 should produce an in</li> <li>Cephalosporin the</li> </ol>	nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffusion monemias (urea is virtually absented of inappropiate antidiuretic harmon <b>10:1) WITH INCREASED CREATININE</b> apy (accelerates conversion of created releases muscle creatinine). who develop renal failure. <b>D:</b> osis (acetoacetate causes false increated solid cate of the solid state of the solid creased BUN/creatinine ratio). rapy (interferes with creatinine me <u>JLAR FILTERATION RATE:</u> <u>DESCRIPTION</u> <u>Normal kidney function</u> Kidney damage with	t in blood). ne) due to tubular secretion of urea tine to creatinine). ease in creatinine with certain met asurement). GFR (mL/min/1.73m2) on >90 >90	hodologies,resulting in norm           ASSOCIATED FINDINGS           No proteinuria           Presence of Protein ,	al ratio when dehydrati
<u></u>	normal or high GFR		Albumin or cast in urine	4
G3a G3b	Mild decrease in GFF Moderate decrease in C			-
G3D G4	Severe decrease in GF			4
04	Severe decrease in or	15-27	ł	

G5

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

Kidney failure

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

<15









	Dr. Vinay Chopra MD (Pathology & Microl Chairman & Consultant	biology) ME	m <b>Chopra</b> D (Pathology) ht Pathologist
NAME	: Mr. BALJIT SINGH		
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAI	LA CANTT	
Test Name	L. L	/alue 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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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

End Of Report \*\*\*





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