



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mr. RAMPAL SINGH			
AGE/ GENDER	: 70 YRS/MALE		PATIENT ID	: 1539100
COLLECTED BY	:		REG. NO./LAB NO.	: 012407050036
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 05/Jul/2024 11:16 AM
BARCODE NO.	: 01512575		COLLECTION DATE	: 05/Jul/2024 11:18AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Jul/2024 05:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	STHYA W	ELLNESS PANEL: G	
	CON		OOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB		12.6	gm/dL	12.0 - 17.0
by CALORIMETRIC		A (	Millions/or	2 EQ E QQ
RED BLOOD CELL (RE	OCUSING, ELECTRICAL IMPEDENCE	4.6	Millions/cr	mm 3.50 - 5.00
PACKED CELL VOLUN	ЛЕ (PCV) automated hematology analyzer	39.7 <sup>L</sup>	%	40.0 - 54.0
MEAN CORPUSCULA		86.4	fL	80.0 - 100.0
		27 F		27.0.24.0
	R HAEMOGLOBIN (MCH)	27.5	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC)	31.8 <sup>L</sup>	g/dL	32.0 - 36.0
	<b>AUTOMATED HEMATOLOGY ANALYZER</b> TON WIDTH (RDW-CV)	15.5	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER	50.0	f	
	TON WIDTH (RDW-SD)	50.3	fL	35.0 - 56.0
MENTZERS INDEX		18.78	RATIO	BETA THALASSEMIA TRAIT: < 13.0
	v	29.23	RATIO	IRON DEFICIENCY ANEMIA: >13.0 BETA THALASSEMIA TRAIT: < =
GREEN & KING INDE	.Λ	29.23	KATIO	65.0
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS				
TOTAL LEUCOCYTE C	OUNT (TLC) y by sf cube & microscopy	8110	/cmm	4000 - 11000
NUCLEATED RED BLO		NIL		0.00 - 20.00
NUCLEATED RED BLO	DOD CELLS (NRBCS) % NUTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %



**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

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Value	Unit	Biological Reference interval
65	%	50 - 70
26	%	20 - 40
4	%	1 - 6
		2 - 12
0	%	0 - 1
5272	/cmm	2000 - 7500
2109	/cmm	800 - 4900
	/cmm	40 - 440
406	/cmm	80 - 880
0	/cmm	0 - 110
0	/cmm	0.0 - 999.0
<u>RS.</u>		
115000 <sup>L</sup>	/cmm	150000 - 450000
0.16	%	0.10 - 0.36
17 <sup>H</sup>	fL	6.50 - 12.0
72000	/cmm	30000 - 90000
77.6 <sup>H</sup>	%	11.0 - 45.0
15.6	%	15.0 - 17.0
	65 26 4 5 0 5272 2109 324 406 0 0 0 <b>RS.</b> <b>115000<sup>L</sup></b> 0.16 <b>17</b> H 72000 <b>77.6<sup>H</sup></b>	65       %         26       %         4       %         5       %         0       %         5272       /cmm         2109       /cmm         324       /cmm         406       /cmm         0       /cmm         0       /cmm         0.16       %         17 <sup>H</sup> <b>f</b> 72000       /cmm         72000       /cmm         72000       /cmm





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Test Name	Value	Unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	CHOLSON ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CI	COSYLATED HAEMOGLO	BIN (HBA1C)	
	GLI			
GLYCOSYLATED HAEM	OGLOBIN (HbA1c):	10.2 <sup>H</sup>	%	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORI ESTIMATED AVERAGE	OGLOBIN (HbA1c): mance liquid chromatography)			4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	10.2 <sup>H</sup> 246.04 <sup>H</sup>	%	
WHOLE BLOOD by HPLC (HIGH PERFORI ESTIMATED AVERAGE I by HPLC (HIGH PERFORI INTERPRETATION:	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	10.2 <sup>H</sup>	% mg/dL	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI ESTIMATED AVERAGE I by HPLC (HIGH PERFORI INTERPRETATION: RE Non diab	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years	10.2 <sup>H</sup> 246.04 <sup>H</sup> TES ASSOCIATION (ADA): GLYCOSYLATED HEN	% mg/dL	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> RE Non diab At F	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	10.2 <sup>H</sup> 246.04 <sup>H</sup> TES ASSOCIATION (ADA): GLYCOSYLATED HEM	% mg/dL OGLOGIB (HBAIC) it 5.7 - 6.4	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> RE Non diab At F	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years	10.2 <sup>H</sup> 246.04 <sup>H</sup> TES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7 >	% mg/dL OGLOGIB (HBAIC) it 5.7 - 6.4 : 6.5	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> RE Non diab At F	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	10.2 <sup>H</sup> 246.04 <sup>H</sup> TES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7 S.7 Age >	% mg/dL 0GLOGIB (HBAIC) it 5.7 – 6.4 • 6.5 19 Years	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM NTERPRETATION: RE Non diab At F Dia	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	10.2 <sup>H</sup> 246.04 <sup>H</sup> TES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7 > 5.7 Soals of Therapy:	% mg/dL 0GLOGIB (HBAIC) it 5.7 - 6.4 - 6.5 - 19 Years < 7.0 < 7.0	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Dia	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	10.2 <sup>H</sup> 246.04 <sup>H</sup> TES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7 > 5.7 > Age > Goals of Therapy: Actions Suggested:	% mg/dL 0GLOGIB (HBAIC) it 5.7 – 6.4 • 6.5 19 Years	60.00 - 140.00

## 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. 4.High

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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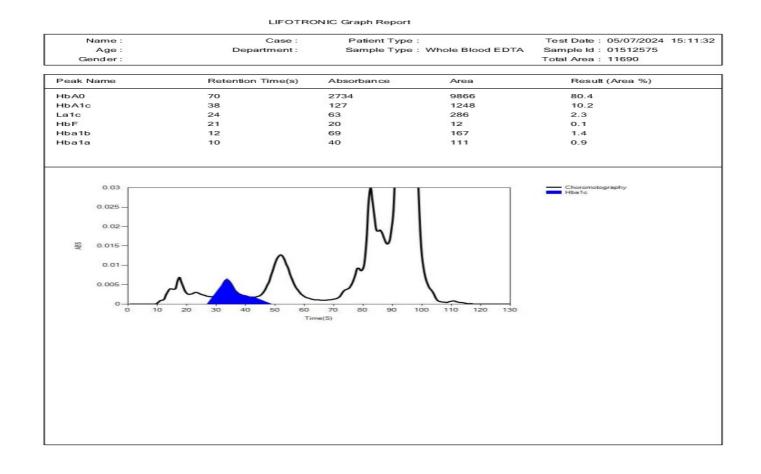


TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology) MI	m Chopra D (Pathology) nt Pathologist
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT	
Test Name		Value Unit	Biological Reference interval





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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NAME	: Mr. RAMPAL SINGH			
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BARCODE NO.	:01512575		COLLECTION DATE	: 05/Jul/2024 11:18AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Jul/2024 11:59AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	HROCYTE SEDI	VENTATION RATE (ESP	()
	MENTATION RATE (ESR)	15	mm/1st h	
(polycythaemia), sign as sickle cells in sick <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 dex	W ESR in with conditions that inhibit the inficantly high white blood cell co le cell anaemia) also lower the E re protein (C-RP) are both marker es not change as rapidly as does ( l by as many other factors as is ES ed, it is typically a result of two live a higher ESR, and menstruation	ount (leucocytosis SR. cRP, either at the <b>SR, making it a bet</b> types of proteins, on and pregnancy	s), and some protein abnor start of inflammation or as <b>ter marker of inflammation</b> globulins or fibrinogen. can cause temporary eleva	
	there -	6	hopra	



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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NAME	: Mr. RAMPAL SINGH			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY/	BIOCHEMISTR	1
		GLUCOSE FAST	ING (F)	
GLUCOSE FASTING (F): PLASMA by GLUCOSE OXIDASE - PEROXIDASE (GOD-POD)		225.26 <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	ion of 75 ams of alucose) is recom	considered normal. ng/dl is considered as gl nmended for all such pat is highly suggestive of di	cients. abetic 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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		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
CHOLESTEROL TOTAL		LIPID PROFILE : 123.24	BASIC mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0
TRIGLYCERIDES: SER	UM HATE OXIDASE (ENZYMATIC)	165.51 <sup>H</sup>	mg/dL	HIGH CHOLESTEROL: > OR = 240. OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (E		53.41	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		36.73	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, SPEC		69.83	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, SPEC		33.1	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN	1	411.99	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL R by CALCULATED, SPEC	ATIO: SERUM	2.31	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: SERI by Calculated, spec		0.69	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)



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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDL by CALCULATED, SPE		3.1	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 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





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Test Name		Value	Unit	Biological Reference interval
	LIV	ER FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: S		0.63	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.32	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT	(UNCONJUGATED): SERUM	0.31	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	19.14	U/L	7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	26.53	U/L	0.00 - 49.00
AST/ALT RATIO: SER	UM	0.72	RATIO	0.00 - 46.00
by CALCULATED, SPE ALKALINE PHOSPHA by PARA NITROPHEN PROPANOL		106.1	U/L	40.0 - 150.0
	. TRANSFERASE (GGT): SERUM	29.6	U/L	0.00 - 55.0
TOTAL PROTEINS: SE	ERUM	7.42	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.72	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		2.7	gm/dL	2.30 - 3.50

Dr. Vinay Chopra

by CALCULATED, SPECTROPHOTOMETRY INTERPRETATION

A : G RATIO: SERUM

by CALCULATED, SPECTROPHOTOMETRY

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

1.75





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

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

RATIO

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







	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam C MD (Pa EO & Consultant Pa	ithology)
NAME	: Mr. RAMPAL SINGH			
AGE/ GENDER	: 70 YRS/MALE	PATIEN	ГID	: 1539100
COLLECTED BY	:	REG. NO	./LAB NO.	: 012407050036
REFERRED BY	:	REGISTI	RATION DATE	: 05/Jul/2024 11:16 AM
BARCODE NO.	: 01512575	COLLEC	FION DATE	: 05/Jul/2024 11:18AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	ING DATE	: 05/Jul/2024 12:14PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	ÍBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increa	sed)

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).

DDOONIOCTIC	CICKULLICANICE.
PRUGNUNTI	SIGNIFICANCE:
1 1001103110	JIONII IOANUL.

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

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BARCODE NO.	: 01512575	COI	LECTION DATE	: 05/Jul/2024 11:18AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 05/Jul/2024 12:22PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	КІ	ONEY FUNCTION T	EST (COMPLETE)	
UREA: SERUM		34.45	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)			
CREATININE: SERUN by ENZYMATIC, SPEC		1.04	mg/dL	0.40 - 1.40
BLOOD UREA NITRO	GEN (BUN): SERUM	16.1	mg/dL	7.0 - 25.0
by CALCULATED, SPE		15 40	DATIO	10.0
RATIO: SERUM	GEN (BUN)/CREATININE	15.48	RATIO	10.0 - 20.0
by CALCULATED, SPE	CTROPHOTOMETRY			
UREA/CREATININE R		33.13	RATIO	
by CALCULATED, SPE URIC ACID: SERUM	CIROPHOIOMEIRY	5.6	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	E PEROXIDASE	5.0	ing/ dE	3.00 1.10
CALCIUM: SERUM		9.45	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SER		2.9	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBD	ATE, SPECTROPHOTOMETRY			2.00
ELECTROLYTES				
SODIUM: SERUM		138.1	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERUM		4.69	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				
CHLORIDE: SERUM		103.57	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV ESTIMATED GLOMEI	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	77.2		

## 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.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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NAME	: Mr. RAMP	AL SINGH				
AGE/ GENDER	: 70 YRS/MA	\LE	PA	FIENT ID	: 1539100	
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BARCODE NO.	:01512575			LLECTION DATE	: 05/Jul/2024 11:18	
CLIENT CODE.	: KOS DIAGN	JOSTIC I AB		PORTING DATE	: 05/Jul/2024 12:22	
CLIENT ADDRESS		CHOLSON ROAD, AMB		I ORIHU DAIL	. 00/ Jul/ 2024 12.22	1 191
Test Name			Value	Unit	Biological	Reference interval
6. Inherited hyperam	osis. nd starvation. e. creased urea s (urea rather th monemias (ur	synthesis. Ian creatinine diffuses c ea is virtually absent in	blood).	·		
3. Pregnancy.		e antidiuretic harmone) <b>REASED CREATININE:</b>	due to tubular s	ecretion of urea.		
<ol> <li>Phenacimide thera</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIO</li> </ol>	ipy (accelerate eleases muscl who develop i :	s conversion of creatine e creatinine). renal failure.				
should produce an in 2. Cephalosporin thei	creased BUN/ rapy (interfere	creatinine ratio). s with creatinine measu		vith certain methodo	ologies,resulting in norma	al ratio when dehydratio
should produce an in 2. Cephalosporin thei	creased BUN/ rapy (interfere	creatinine ratio). s with creatinine measu	rement).		ologies, resulting in norma	al ratio when dehydratio
should produce an in 2. Cephalosporin their ESTIMATED GLOMERU CKD STAGE G1	rapy (interfere JLAR FILTERATI	creatinine ratio). s with creatinine measu ON RATE: DESCRIPTION ormal kidney function	rement). GFR ( mL/n >	nin/1.73m2)	ASSOCIATED FINDINGS No proteinuria	al ratio when dehydratio
should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE	rapy (interfere JLAR FILTERATI	creatinine ratio). s with creatinine measu ON RATE: DESCRIPTION ormal kidney function Kidney damage with	rement). GFR ( mL/n >	nin/1.73m2)	ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	al ratio when dehydratio
should produce an in 2. Cephalosporin their ESTIMATED GLOMERU CKD STAGE G1	icreased BUN/ rapy (interfere JLAR FILTERATI	creatinine ratio). s with creatinine measu ON RATE: DESCRIPTION ormal kidney function	GFR (mL/n	nin/1.73m2)	ASSOCIATED FINDINGS No proteinuria	al ratio when dehydrati - - -

Severe decrease in GFR
Kidney failure

G3b

G4

G5

30-59

15-29

<15

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Moderate decrease in GFR

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









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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

End Of Report \*\*\*





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