



	<b>Dr. Vinay Chopra</b> MD (Pathology & Microl Chairman & Consultant		Dr. Yugam MD ( CEO & Consultant	Pathology)
NAME	: Mr. VIJAY SHARMA			
AGE/ GENDER	: 69 YRS/MALE	]	PATIENT ID	: 1822204
COLLECTED BY	: SURJESH	]	REG. NO./LAB NO.	: 012504080019
REFERRED BY	:	]	REGISTRATION DATE	: 08/Apr/2025 09:49 AM
BARCODE NO.	: 01528572	(	COLLECTION DATE	: 08/Apr/2025 10:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 08/Apr/2025 10:49AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAI	LA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWASTH	YA WEI	LLNESS PANEL: (	<u> </u>
			OOD COUNT (CBC)	
RED BLOOD CELI	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI	3)	15.8	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL	(RBC) COUNT	5.56 <sup>H</sup>	Millions	cmm 3.50 - 5.00
by HYDRO DYNAMIC F	DCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOL	UME (PCV) JTOMATED HEMATOLOGY ANALYZER	47.5	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV)	85.5	fL	80.0 - 100.0
	JTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	28.5	pg	27.0 - 34.0
	JTOMATED HEMATOLOGY ANALYZER	20.5	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	33.3	g/dL	32.0 - 36.0
-	BUTION WIDTH (RDW-CV)	14.1	%	11.00 - 16.00
by CALCULATED BY A	JTOMATED HEMATOLOGY ANALYZER			22.0.240
	BUTION WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	45.3	fL	35.0 - 56.0
MENTZERS INDEX		15.38	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IDON DEFICIENCY ANEMIA
				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI	DEX	65.24	RATIO	BETA THALASSEMIA TRAIT:
by CALCULATED				$\leq 74.1$
				IRON DEFICIENCY ANEMIA: >= 74.1
WHITE BLOOD CH	ELLS (WBCS)			
FOTAL LEUCOCYT		5480	/cmm	4000 - 11000
	BY SF CUBE & MICROSCOPY BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
•		1111		0.00 - 20.00
NUCLEATED RED I by AUTOMATED 6 PAR	T HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) %	NIL		< 10 %



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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NAME : Mi	r. VIJAY SHARMA			
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CLIENT CODE. : KC	OS DIAGNOSTIC LAB	REP	ORTING DATE	: 08/Apr/2025 10:49AM
CLIENT ADDRESS : 63	49/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
•	ATED HEMATOLOGY ANALYZER			
DIFFERENTIAL LEUCO	<u>DCYTE COUNT (DLC)</u>			
NEUTROPHILS by FLOW CYTOMETRY BY SI		54	%	50 - 70
LYMPHOCYTES		36	%	20 - 40
by FLOW CYTOMETRY BY SI	F CUBE & MICROSCOPY			
EOSINOPHILS by FLOW CYTOMETRY BY SI		3	%	1 - 6
MONOCYTES		7	%	2 - 12
by FLOW CYTOMETRY BY SI	F CUBE & MICROSCOPY	_	\	
BASOPHILS by FLOW CYTOMETRY BY SI	E CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCY				
ABSOLUTE NEUTROPH	IL COUNT	2959	/cmm	2000 - 7500
by FLOW CYTOMETRY BY SI	F CUBE & MICROSCOPY			
ABSOLUTE LYMPHOCY by FLOW CYTOMETRY BY SI		1973	/cmm	800 - 4900
ABSOLUTE EOSINOPHI		164	/cmm	40 - 440
by FLOW CYTOMETRY BY SI			-	
ABSOLUTE MONOCYTE by FLOW CYTOMETRY BY SI		384	/cmm	80 - 880
ABSOLUTE BASOPHIL O		0	/cmm	0 - 110
by FLOW CYTOMETRY BY SI				
	ER PLATELET PREDICTIV			
PLATELET COUNT (PL	Γ) ING, ELECTRICAL IMPEDENCE	188000	/cmm	150000 - 450000
PLATELETCRIT (PCT)		0.24	%	0.10 - 0.36
-	ING, ELECTRICAL IMPEDENCE		~	
MEAN PLATELET VOLU	JME (MPV) ING, ELECTRICAL IMPEDENCE	13 <sup>H</sup>	fL	6.50 - 12.0
PLATELET LARGE CEL		91000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CEL		48.4 <sup>H</sup>	%	11.0 - 45.0
PLATELET DISTRIBUT		16.3	%	15.0 - 17.0





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NAME	: Mr. VIJAY SHARMA		
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Г	
Test Name	Value	Unit	<b>Biological Reference interval</b>

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



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 08/Apr/2025 01:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		1
Test Name		Value	Unit	<b>Biological Reference interval</b>
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVER	AEMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) AGE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	11.6 <sup>H</sup> 286.22 <sup>H</sup>	% mg/dL	4.0 - 6.4 60.00 - 140.00
	AS PER AMERICAN D			
	REFERENCE GROUP	GL	YCOSYLATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years	<5.7		
At Risk (Prediabetes)		5.7 - 6.4		
D	iagnosing Diabetes	-	>= 6.5 Age > 19 Years	
		Goals	of Therapy:	< 7.0
Therapeutic goals for glycemic control			s Suggested:	>8.0
			Age < 19 Years	
		Goal of therapy:		

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

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 appropriate.

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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	1	<b>Dr. Vinay Chop</b> 1D (Pathology & Mi Chairman & Consult	crobiology)	ME	n <b>Chopra</b> D (Pathology) ht Pathologist
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. VIJAY SH : 69 YRS/MALE : SURJESH : : 01528572 : KOS DIAGNO : 6349/1, NICH		BALA CANT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1822204 <b>: 012504080019</b> : 08/Apr/2025 09:49 AM : 08/Apr/2025 10:25AM : 08/Apr/2025 11:31AM
Test Name			Value	Unit	Biological Reference interval
		ERYTHROC	YTE SED	IMENTATION RATE	E (ESR)
immune disease, but 2. An ESR can be affer as C-reactive protein 3. This test may also systemic lupus erythe <b>CONDITION WITH LOV</b> A low ESR can be see (polycythaemia), sign 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 elevate 5. Women tend to ha	GATION BY CAPILL ic test because a does not tell the cted by other cor be used to monit ematosus <b>W ESR</b> n with conditions ificantly high wh e cell anaemia) a e protein (C-RP) a s not change as r <b>by as many othe</b> ed, it is typically ve a higher ESR, a ran, methyldopa	ARY PHOTOMETRY n elevated result of health practitioner nditions besides inf or disease activity a s that inhibit the nc ite blood cell coun also lower the ESR. are both markers of rapidly as does CRP r factors as is ESR, n a result of two type and menstruation a , oral contraceptive	exactly whe lammation. F and response prmal sedime t (leucocytos , either at th <b>naking it a be</b> es of proteins nd pregnanc	ere the inflammation is in the for this reason, the ESR is to be to therapy in both of the entation of red blood cells, sis), and some protein abno on. e start of inflammation or a etter marker of inflammation s, globulins or fibrinogen. y can cause temporary elev	tion associated with infection, cancer and auto- ne body or what is causing it. ypically used in conjunction with other test such above diseases as well as some others, such as such as a high red blood cell count ormalities. Some changes in red cell shape (such as it resolves. <b>m</b> .

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Dr. Vinay Cł MD (Pathology & Chairman & Cor			(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. VIJAY SJ : 69 YRS/MAL : SURJESH : : 01528572 : KOS DIAGNO : 6349/1, NIC	E DSTIC LAB		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1822204 <b>: 012504080019</b> : 08/Apr/2025 09:49 AM : 08/Apr/2025 10:25AM : 08/Apr/2025 12:59PM
Test Name			Value	Unit	<b>Biological Reference interval</b>
		CLINIC		TRY/BIOCHEMIS	STRY
GLUCOSE FASTIN by GLUCOSE OXIDAS			GLUCOSE 256.71 <sup>H</sup>	FASTING (F) mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
test (after consumpti 3. A fasting plasma g	lucose level belo lucose level beto on of 75 gms of lucose level of a	ow 100 mg/dl is ween 100 - 125 glucose) is reco bove 125 mg/dl	considered norma mg/dl is considere mmended for all su is highly suggestiv	uch patients.	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for all atory for diabetic state.

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CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 08/Apr/2025 02:18PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	G	LUCOSE POST	PRANDIAL (PP)	
	RANDIAL (PP): PLASMA E - PEROXIDASE (GOD-POD)	403.2 <sup>H</sup>	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0

## IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

A post-prandial plasma glucose level below 140 mg/dl is considered normal.
 A post-prandial glucose level between 140 - 200 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 post-prandial plasma glucose level of above 200 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.



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Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	OFILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL OX		292.46 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	333.71 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERC by SELECTIVE INHIBITI	DL (DIRECT): SERUM on	44.55	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO by CALCULATED, SPE		181.17 <sup>H</sup>	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 CHOLES by CALCULATED, SPE		247.91 <sup>H</sup>	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER by CALCULATED, SPE		66.74 <sup>H</sup>	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEI by CALCULATED, SPE	RUM	918.63 <sup>H</sup>	mg/dL	350.00 - 700.00
CHOLESTEROL/HD		6.56 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0

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		Chopra / & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 08/Apr/2025 02:18PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		4.07 <sup>H</sup>	RATIO	MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/I by CALCULATED, SPE	HDL RATIO: SERUM	7.49 <sup>H</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.

 Cow HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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CLIENT ADDRESS	. 0040/ 1, MCHOLSON KOAD, AMD			
Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER F	UNCTIO	N TEST (COMPLETE	)
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.81	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	T (CONJUGATED): SERUM SPECTROPHOTOMETRY	0.19	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM	0.62	mg/dL	0.10 - 1.00
SGOT/AST: SERUN by IFCC, WITHOUT PY	Л /RIDOXAL PHOSPHATE	19	U/L	7.00 - 45.00
SGPT/ALT: SERUN by IFCC, WITHOUT PY	I /RIDOXAL PHOSPHATE	21	U/L	0.00 - 49.00
AST/ALT RATIO: S	SERUM ECTROPHOTOMETRY	0.9	RATIO	0.00 - 46.00
ALKALINE PHOSP by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	86.52	U/L	40.0 - 130.0
GAMMA GLUTAM by SZASZ, SPECTRO	IYL TRANSFERASE (GGT): SERUN phtometry	<sup>1</sup> 60.69 <sup>H</sup>	U/L	0.00 - 55.0
TOTAL PROTEINS by BIURET, SPECTRO		6.93	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		3.74	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	M	3.19	gm/dL	2.30 - 3.50
A : G RATIO: SERU	JM ECTROPHOTOMETRY	1.17	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





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

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

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	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	crobiology)	Dr. Yugam ( MD (Pa EO & Consultant Pa	athology)
NAME	: Mr. VIJAY SHARMA			
AGE/ GENDER	: 69 YRS/MALE	PATIENT	T ID	: 1822204
COLLECTED BY	: SURJESH	REG. NO.	/LAB NO.	: 012504080019
REFERRED BY	:	REGISTR	ATION DATE	: 08/Apr/2025 09:49 AM
BARCODE NO.	: 01528572	COLLECT	TION DATE	:08/Apr/2025 10:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	ING DATE	:08/Apr/202502:18PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increa	ased)

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

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	MD (Pathology & M	MD (Pathology & Microbiology)		u <b>gam Chopra</b> MD (Pathology) sultant Pathologist	
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Test Name		Value	Unit	<b>Biological Reference interval</b>	
	KIDNF	V FUNCTION 7	TEST (COMPLETI	7)	
UREA: SERUM		38.62	mg/dL	10.00 - 50.00	
	IATE DEHYDROGENASE (GLDH)	58.02	ing/uL	10.00 - 50.00	
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		1.15	mg/dL	0.40 - 1.40	
	ROGEN (BUN): SERUM	18.05	mg/dL	7.0 - 25.0	
by CALCULATED, SPE		10.00	ing all	1.0 25.0	
BLOOD UREA NITROGEN (BUN)/CREATININE		15.7	RATIO	10.0 - 20.0	
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY				
UREA/CREATININ	E RATIO: SERUM	33.58	RATIO		
by CALCULATED, SPE URIC ACID: SERUM		5.73	mg/dL	3.60 - 7.70	
by URICASE - OXIDAS		5.75	ling/uL	3.00 - 7.70	
CALCIUM: SERUM		10.2	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE PHOSPHOROUS: SI		2.84	mg/dL	2.30 - 4.70	
	DATE, SPECTROPHOTOMETRY	2.01	ing all	2.00 1.70	
ELECTROLYTES					
SODIUM: SERUM		142.6	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV POTASSIUM: SERU		4.33	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV	(E ELECTRODE)				
CHLORIDE: SERUN by ISE (ION SELECTIV		106.95	mmol/L	90.0 - 110.0	
	MERULAR FILTERATION RAT	Е			
	MERULAR FILTERATION RATE	_			
(eGFR): SERUM					
by CALCULATED					
INTERPRETATION: To differentiate betw	een 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.



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BARCODE NO.	:01528572			LECTION DATE	: 08/Apr/2025 10		
CLIENT CODE.	: KOS DIAGNOSTI	CIAB		PORTING DATE	: 08/Apr/2025 02		
CLIENT ADDRESS		SON ROAD, AMBAI			. 00/ 11/1 2020 02	.101 101	
	. 0340/ 1, Menor	SON ROAD, AWDA					
Fest Name			Value	Unit	Biologic	cal Reference interval	
should produce an in	10:1) WITH DECREAS rosis. Ind starvation. e. creased urea synthe (urea rather than created inonemias (urea is void finappropiate antice 10:1) WITH INCREASE apy (accelerates converted who develop renal for creased BUN/creati	ED BUN : easis. eatinine diffuses ou virtually absent in bi diuretic harmone) du ED CREATININE: version of creatine t itinine). failure. suses false increase nine ratio).	lood). ue to tubular se to creatinine). in creatinine w	ecretion of urea.	odologies,resulting in norr	nal ratio when dehydratio	
2. Cephalosporin the ESTIMATED GLOMERI	JLAR FILTERATION R	ATE:					
CKD STAGE				<u>iin/1.73m2)</u>	ASSOCIATED FINDINGS	_	
<u>G1</u> G2		kidney function		90 90	<u>No proteinuria</u> Presence of Protein ,		
62		y damage with	>	90	Albumin or cost in urino		

01	Normal Kluncy function	>10	No proteinuna
G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	
	G2 G3a G3b G4	G2Kidney damage with normal or high GFRG3aMild decrease in GFRG3bModerate decrease in GFRG4Severe decrease in GFR	G2Kidney damage with normal or high GFR>90G3aMild decrease in GFR60 -89G3bModerate decrease in GFR30-59G4Severe decrease in GFR15-29





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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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