



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mrs. SONIA DABAS			
AGE/ GENDER	: 48 YRS/FEMALE		PATIENT ID	: 1751247
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502100007
REFERRED BY	:		REGISTRATION DATE	: 10/Feb/2025 08:23 AM
BARCODE NO.	: 01525249		COLLECTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Feb/2025 09:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	СОМР		LLNESS PANEL: G OOD COUNT (CBC)	
	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI	3)	8.3 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (I	RBC) COUNT	4.35	Millions	/cmm 3.50 - 5.00
PACKED CELL VOLU		27.3 ^L	%	37.0 - 50.0
MEAN CORPUSCULA		62.9 ^L	fL	80.0 - 100.0
by CALCULATED BY A	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	19 ^L	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC)	30.2 ^L	g/dL	32.0 - 36.0
	JTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	18.6 ^H	%	11.00 - 16.00
RED CELL DISTRIBU	JTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	43.7	fL	35.0 - 56.0
MENTZERS INDEX		14.46	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND by CALCULATED		26.78	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
TOTAL LEUCOCYTE		10010	/cmm	4000 - 11000
NUCLEATED RED B	LOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	LOOD CELLS (nRBCS) %	NIL	%	< 10 %





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Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LE	EUCOCYTE COUNT (DLC)			
NEUTROPHILS		68	%	50 - 70
•	Y BY SF CUBE & MICROSCOPY	94	0/	20 40
LYMPHOCYTES by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	24	%	20 - 40
EOSINOPHILS		4	%	1 - 6
	Y BY SF CUBE & MICROSCOPY	4	0/	0 10
MONOCYTES by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	4	%	2 - 12
BASOPHILS		0	%	0 - 1
	Y BY SF CUBE & MICROSCOPY			
	OCYTES (WBC) COUNT	0007		0000 7500
ABSOLUTE NEUTR	Y BY SF CUBE & MICROSCOPY	6807	/cmm	2000 - 7500
ABSOLUTE LYMPH		2402	/cmm	800 - 4900
	Y BY SF CUBE & MICROSCOPY	100		
ABSOLUTE EOSINO	OPHIL COUNT Y by sf cube & microscopy	400	/cmm	40 - 440
ABSOLUTE MONOC		400	/cmm	80 - 880
	Y BY SF CUBE & MICROSCOPY			
	OTHER PLATELET PREDICTIVE			
PLATELET COUNT	(PLT) FOCUSING, ELECTRICAL IMPEDENCE	254000	/cmm	150000 - 450000
PLATELETCRIT (P		0.28	%	0.10 - 0.36
by HYDRO DYNAMIC	FOCUSING, ELECTRICAL IMPEDENCE			
MEAN PLATELET V	/OLUME (MPV) FOCUSING, ELECTRICAL IMPEDENCE	11	fL	6.50 - 12.0
	CELL COUNT (P-LCC)	94000 ^H	/cmm	30000 - 90000
•	FOCUSING, ELECTRICAL IMPEDENCE			
	CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	37.2	%	11.0 - 45.0
	BUTION WIDTH (PDW)	16.2	%	15.0 - 17.0
by HYDRO DYNAMIC I	FOCUSING, ELECTRICAL IMPEDENCE			
NOTE: TEST CONDU	JCTED ON EDTA WHOLE BLOOD			





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	FING DATE	: 10/Feb/2025 03:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOGI	LOBIN (HBA1C)	
GLYCOSYLATED HAE WHOLE BLOOD	MOGLOBIN (HbA1c):	6.8 ^H	%	4.0 - 6.4
by HPLC (HIGH PERFORM	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	148.46 ^H	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORM	IANCE LIQUID CHROMATOGRAPHY)		mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORM INTERPRETATION:	IANCE LIQUID CHROMATOGRAPHY)	BETES ASSOCIATION (ADA):	mg/dL MOGLOGIB (HBAIC) ii	
by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab	MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAI FERENCE GROUP Metic Adults >= 18 years	BETES ASSOCIATION (ADA): GLYCOSYLATED HEI	Moglogib (HBAIC) in <5.7	
by HPLC (HIGH PERFORM <u>NTERPRETATION:</u> RE Non diab At F	AS PER AMERICAN DIA FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5.	MOGLOGIB (HBAIC) ii <5.7 7 – 6.4	
by HPLC (HIGH PERFORM INTERPRETATION: Non diab At F	MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAI FERENCE GROUP Metic Adults >= 18 years	BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5.	MOGLOGIB (HBAIC) in <5.7 7 – 6.4 >= 6.5	
by HPLC (HIGH PERFORM NTERPRETATION: RE Non diab At F	AS PER AMERICAN DIA FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5. Age 2	MOGLOGIB (HBAIC) ii <5.7 7 – 6.4 >= 6.5 > 19 Years	n %
by HPLC (HIGH PERFORM INTERPRETATION:	AANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAI FERENCE GROUP wetic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5. 2. 2. 3. 4. 4. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	MOGLOGIB (HBAIC) in <5.7 7 – 6.4 >= 6.5 > 19 Years < 7.0	n %
INTERPRETATION: RE Non diab At F Diag	AS PER AMERICAN DIA FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5. 5. Age 2 Goals of Therapy: Actions Suggested:	MOGLOGIB (HBAIC) ii <5.7 7 – 6.4 >= 6.5 > 19 Years	n %

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 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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT	
Test Name		Value Unit	Biological Reference interval

Name : Age : Gender :	Case : Department :	Patient Type Sample Type	: : Whole Blood EDTA	Test Date:10/02/2025 17:38:3 Sample Id:01525249 Total Area:4987
Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)
НЬА0	69	1405	4352	82.0
HbA1c	37	37	363	6.8
La1c	26	22	146	2.8
HbF	19	10	9	0.2
Hba1b	14	16	62	1.1
Hba1a	11	13	55	1.0
0.03			1	Choromotography Hba1c
0.025		11		Pibalic
0.02-		11		
¥ 0.015 −		Add		
0.01 —		J~~ (
0.005 —		ſ		
0 1		70 80 90 1 me(S)	00 110 120 130	



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BARCODE NO.	: 01525249	COI	LECTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REF	ORTING DATE	: 10/Feb/2025 09:56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
<i>by RED CELL AGGREG</i> ITERPRETATION: ESR is a non-specif nmune disease, but	does not tell the health practition	often indicates the phere exactly where the	inflammation is in the	ion associated with infection, cancer and aut
s C-reactive protein . This test may also ystemic lupus erythe	be used to monitor disease activit ematosus N ESR	ry and response to th	erapy in both of the a	bove diseases as well as some others, such a
low ESR can be see polycythaemia), sigr s sickle cells in sickl	n with conditions that inhibit the ificantly high white blood cell cou e cell anaemia) also lower the ES	unt (leucocytosis), a	n of red blood cells, s nd some protein abno	uch as a high red blood cell count rmalities. Some changes in red cell shape (su
A low ESR can be see polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 8. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 5. Drugs such as dext	ificantly high white blood cell cou e cell anaemia) also lower the ES e protein (C-RP) are both markers s not change as rapidly as does CF by as many other factors as is ESR ed, it is typically a result of two ty ve a higher ESR, and menstruation	unt (leucocytosis) , a R. RP, either at the star e , making it a better n pes of proteins, glob and pregnancy can	nd some protein abno t of inflammation or a: harker of inflammatior ulins or fibrinogen. cause temporary eleva	ormalities. Šome changes in red cell shape (si s it resolves. n .
(polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 5. Drugs such as dext	ificantly high white blood cell cou e cell anaemia) also lower the ES e protein (C-RP) are both markers s not change as rapidly as does CF by as many other factors as is ESR ed, it is typically a result of two ty ve a higher ESR, and menstruatior ran, methyldopa, oral contracept	unt (leucocytosis) , a R. RP, either at the star e , making it a better n pes of proteins, glob and pregnancy can	nd some protein abno t of inflammation or a: harker of inflammatior ulins or fibrinogen. cause temporary eleva	ormalities. Šome changes in red cell shape (su s it resolves. n. ations.





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 10/Feb/2025 12:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI	ICAL CHEMISTRY GLUCOSE FAS		'nY

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. 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. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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LIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
		LIPID PRO	OFILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	157.25	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		107.20	ing, ui	BORDERLINE HIGH: 200.0 -
				239.0
				HIGH CHOLESTEROL: > OR = 240.0
RIGLYCERIDES: S		133.25	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	PHATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
IDL CHOLESTERO	L (DIRECT): SERUM	36.13	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBIT	ION			BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
DL CHOLESTEROI		94.47	mg/dL	OPTIMAL: < 100.0
by CALCOLATED, SFL	CIROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
ION HDL CHOLEST	FEROL: SERUM	121.12	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE			8	ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 - 189.0
				HIGH: 190.0 - 219.0
				VERY HIGH: $> OR = 220.0$
LDL CHOLESTER(by CALCULATED, SPE		26.65	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	CUM	447.75	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HD		4.35	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE		4.55	KAIIO	AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.61	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	3.69	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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Test Name		Value	Unit	Biological Reference interval
	I IVED	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.33	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.18	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	19.16	U/L	7.00 - 45.00
SGPT/ALT: SERUM	[/RIDOXAL PHOSPHATE	23.01	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM ECTROPHOTOMETRY	0.83	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	121.2	U/L	40.0 - 150.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM PHTOMETRY	40.4	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.26	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.11	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	3.15	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.3	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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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

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	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P		(Pathology)
NAME	: Mrs. SONIA DABAS		
AGE/ GENDER	: 48 YRS/FEMALE	PATIENT ID	: 1751247
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502100007
REFERRED BY	:	REGISTRATION DATE	: 10/Feb/2025 08:23 AM
BARCODE NO.	: 01525249	COLLECTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Feb/2025 10:25AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	A CANTT	
Test Name	Va	alue Unit	Biological Reference interval

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



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	MD (Pathology & M	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Chopra (Pathology) Pathologist	
NAME	: Mrs. SONIA DABAS				
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CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, A					
Test Name		Value	Unit	Biological Reference interval	
	KIDNE	EY FUNCTION	N TEST (COMPLETE)		
UREA: SERUM		15.6	mg/dL	10.00 - 50.00	
	MATE DEHYDROGENASE (GLDH)		0		
CREATININE: SERUM		0.8	mg/dL	0.40 - 1.20	
by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		7.29	mg/dL	7.0 - 25.0	
by CALCULATED, SPECTROPHOTOMETRY					
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM		9.11 ^L	RATIO	10.0 - 20.0	
	ECTROPHOTOMETRY				
UREA/CREATININ		19.5	RATIO		
by CALCULATED, SPECTROPHOTOMETRY		5.02	ma/dI	2.50 - 6.80	
URIC ACID: SERUN by URICASE - OXIDAS		5.02	mg/dL	2.30 - 0.80	
CALCIUM: SERUM		9.47	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPECTROPHOTOMETRY		3.08	mg/dI	2.30 - 4.70	
PHOSPHOROUS: SERUM by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY		3.08	mg/dL	2.30 - 4.70	
<u>ELECTROLYTES</u>					
SODIUM: SERUM		140.6	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIN		4.15	mm ol /I		
POTASSIUM: SERU by ISE (ION SELECTIV		4.15	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	Л	105.45	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIN					
	MERULAR FILTERATION RATE				
ESTIMATED GLOM (eGFR): SERUM	IERULAR FILTERATION RATE	90.8			
by CALCULATED					
INTERPRETATION:	and and and served served a				
io airrerentiate betw	veen pre- and post renal azotemia.				

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist			Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist				
NAME	: Mrs. SONIA D	ABAS						
AGE/ GENDER	: 48 YRS/FEMA	LE	PATI	ENT ID	: 17512	247		
COLLECTED BY	: SURJESH		REG.	NO./LAB NO.	:0125	02100007		
REFERRED BY			REGI	STRATION DA	TE : 10/Fe	b/2025 08:2	23 AM	
BARCODE NO.	:01525249			ECTION DATE		b/202508:2		
CLIENT CODE.	: KOS DIAGNOS	TIC I AB		ORTING DATE		b/2025 10:2		
CLIENT CODE.		OLSON ROAD, AMBA		JAING DAIL	. 10/14	D/ 2023 10.2	JAM	
LLIEN I ADDRESS	. 0349/ 1, MUII	OLSON KOAD, AMBA	LA CANTI					
Test Name			Value	Unit		Biologica	l Reference in	ıterval
	a (built lises displi	oportionately more th	.S: nan creatinine) (e	.g. obstructive ι	uropathy).			
6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther <u>ESTIMATED GLOMERI</u> <u>CKD STAGE</u> <u>G1</u> <u>G2</u> <u>G3a</u>	superimposed or 10:1) WITH DECRE Tosis. Ind starvation. e. ecreased urea syn (urea rather than monemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates con- releases muscle cr who develop ren bis (acetoacetate increased BUN/cre- rapy (interferes w JLAR FILTERATION Norm Kid no Millo	ASED BUN : ASED BUN : creatinine diffuses ou is virtually absent in to tidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR	an creatinine) (e ut of extracellular blood). lue to tubular sec to creatinine). in creatinine wit ement). GFR (mL/mir >9(>9(60 -6	r fluid). cretion of urea. ch certain metho h/1.73m2)		FINDINGS inuria Protein ,	al ratio when d	ehydratio
DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin thei ESTIMATED GLOMERI G1 G2 G3a G3a G3b	superimposed or 10:1) WITH DECRE rosis. Ind starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle cr who develop ren creased BUN/cre- rapy (interferes w JLAR FILTERATION Norm Kid no Mile Mode	thesis. creatinine diffuses ou is virtually absent in the tidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR rate decrease in GFR	an creatinine) (e ut of extracellular blood). lue to tubular sec to creatinine). in creatinine wit ement). GFR (mL/min >9(>9(60 -4 30-5	r fluid). cretion of urea. ch certain metho h/1.73m2)	odologies,resul <u>ASSOCIATED</u> <u>No prote</u> Presence of	FINDINGS inuria Protein ,	al ratio when de	ehydratic
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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





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		licrobiology)		
NAME	: Mrs. SONIA DABAS			
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BARCODE NO.	: 01525249		COLLECTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Feb/2025 01:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ІММЦ	J NOPATHO	DLOGY/SEROLOGY	X
	RHEUMATOID	FACTOR (R	A): QUANTITATIVE	- SERUM
RHEUMATOID (RA) SERUM by NEPHLOMETRY	FACTOR QUANTITATIVE:	4.23	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
RHEUMATOID ARTHIR 1. Rheumatoid Arthin membrane lining (syr 2. The disease spreda 3. The diagnosis of R/ measurement of RA fa CAUTION (FALSE POST 1. RA factor is not special 2. Non rheumatoid an RA patients have a no 3. Patients with variou lupus erythematosus, 4. Anti-CCP have been specific (98%) than RA 5. Upto 30 % of patier	itis is a systemic autoimmune dise hovium) joints which ledas to prog s from small to large joints, with g A is primarily based on clinical, rac actor. TIVE): cific for Rheumatoid arthiritis, as it i d rheumatoid arthritis (RA) populati nreactive titer and 8% of nonrheum is nonrheumatoid diseases, characte polymyositis, tuberculosis, syphilis, discovered in joints of patients with factor. the with Seronegative Rheumatoid a ive value of Anti-CCP antibodies for	ase that is mult ressive joint de reatest damage liological & imm s often present in tons are not clea atoid patients ha rized by chronic viral hepatitis, in RA, but not in o rthiritis also sho Rheumatoid Arti	i-functional in origin and i struction and in most case in early phase. nunological features. The m n healthy individuals with o rly separate with regard to ave a positive titer). inflammation may have pos fectious mononucleosis, an ther form of joint disease. A w Anti-CCP antibodies. hiritis is far greater than Rh	nti-CCP2 is HIGHLY SENSITIVE (71%) & more
	* *	* End Of Re	eport ***	
	there		hopra	

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