



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	obiology)		Pathology)
NAME	: Mrs. RAJWANTI DEVI			
AGE/ GENDER	: 65 YRS/FEMALE		PATIENT ID	: 1588709
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012408230023
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBA	LA CANTT)	REGISTRATION DATE	: 23/Aug/2024 09:53 AM
BARCODE NO.	: 01515549		COLLECTION DATE	: 23/Aug/2024 10:01AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 23/Aug/2024 10:10AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	,	
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA W	ELLNESS PANEL: G	
	COM	IPLETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS (RI	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		10.6 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RB	C) COUNT	4.16	Millions/cr	nm 3.50 - 5.00
PACKED CELL VOLUM		33.9 ^L	%	37.0 - 50.0
MEAN CORPUSCULAR	VOLUME (MCV)	81.6	fL	80.0 - 100.0
MEAN CORPUSCULAR	TOMATED HEMATOLOGY ANALYZER	25.4 ^L	pg	27.0 - 34.0
MEAN CORPUSCULAR	UTOMATED HEMATOLOGY ANALYZER R HEMOGLOBIN CONC. (MCHC)	31.1 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTI		14.5	%	11.00 - 16.00
RED CELL DISTRIBUTI		44.2	fL	35.0 - 56.0
by CALCULATED BY AU MENTZERS INDEX by CALCULATED	JTOMATED HEMATOLOGY ANALYZER	19.62	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX	(28.35	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	(WBCS)			IKON DEI IGIENGT ANEIMIA. > 03.0
TOTAL LEUCOCYTE CO		6090	/cmm	4000 - 11000
NUCLEATED RED BLO		NIL		0.00 - 20.00
NUCLEATED RED BLO		NIL	%	< 10 %
DIFFERENTIAL LEUCO				
NEUTROPHILS by flow cytometry	BY SF CUBE & MICROSCOPY	46 ^L	%	50 - 70





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.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LYMPHOCYTES		45 ^H	%	20 - 40
EOSINOPHILS	Y BY SF CUBE & MICROSCOPY	3	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	6	%	2 - 12
	Y BY SF CUBE & MICROSCOPY	Ū		2 12
BASOPHILS		0	%	0 - 1
ABSOLUTE LEUKOCY	Y BY SF CUBE & MICROSCOPY TES (WBC) COUNT			
ABSOLUTE NEUTROF		2801	/cmm	2000 - 7500
ABSOLUTE LYMPHO		2740	/cmm	800 - 4900
ABSOLUTE EOSINOP		183	/cmm	40 - 440
ABSOLUTE MONOCY		365	/cmm	80 - 880
	HER PLATELET PREDICTIVE MARKE	RS.		
PLATELET COUNT (PI	LT)	245000	/cmm	150000 - 450000
PLATELETCRIT (PCT)	OCUSING, ELECTRICAL IMPEDENCE	0.37 ^H	%	0.10 - 0.36
MEAN PLATELET VO	FOCUSING, ELECTRICAL IMPEDENCE LUME (MPV) FOCUSING, ELECTRICAL IMPEDENCE	15 ^H	fL	6.50 - 12.0
PLATELET LARGE CEL		150000 ^H	/cmm	30000 - 90000
PLATELET LARGE CEL		61.2 ^H	%	11.0 - 45.0
PLATELET DISTRIBUT		16.4	%	15.0 - 17.0

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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BARCODE NO.	: 01515549	- /	COLLECTION DATE	: 23/Aug/2024 10:01AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 23/Aug/2024 03:25PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
GLYCOSYLATED HAEI WHOLE BLOOD	MOGLOBIN (HbA1c):	COSYLATED HA	AEMOGLOBIN (HBA1C) %	4.0 - 6.4
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO		COSYLATED H <i>i</i> 6.6 ^H 142.72 ^H	AEMOGLOBIN (HBA1C)	
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE	COSYLATED HA 6.6 ^H 142.72 ^H DIABETES ASSOCI	AEMOGLOBIN (HBA1C) % mg/dL IATION (ADA):	4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HAEI WHOLE BLOOD <i>by HPLC (HIGH PERFO</i> ESTIMATED AVERAG <i>by HPLC (HIGH PERFO</i> INTERPRETATION:	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE DRMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP	COSYLATED HA 6.6 ^H 142.72 ^H DIABETES ASSOCI	AEMOGLOBIN (HBA1C) % mg/dL IATION (ADA): LYCOSYLATED HEMOGLOGIB	4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO INTERPRETATION:	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE DRMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	COSYLATED HA 6.6 ^H 142.72 ^H DIABETES ASSOCI	AEMOGLOBIN (HBA1C) % mg/dL IATION (ADA): LYCOSYLATED HEMOGLOGIB <5.7	4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO INTERPRETATION: NOT DIA Non dia A	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE DRMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	COSYLATED HA 6.6 ^H 142.72 ^H DIABETES ASSOCI	AEMOGLOBIN (HBA1C) % mg/dL ATION (ADA): LYCOSYLATED HEMOGLOGIB <5.7 5.7 - 6.4	4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO INTERPRETATION: Non dia A	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE DRMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	COSYLATED HA 6.6 ^H 142.72 ^H DIABETES ASSOCI	AEMOGLOBIN (HBA1C) % mg/dL ATION (ADA): LYCOSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5	4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO INTERPRETATION: NOT DIA Non dia A	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE DRMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	COSYLATED HA	AEMOGLOBIN (HBA1C) % mg/dL MATION (ADA): LYCOSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO INTERPRETATION:	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE DRMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) tiagnosing Diabetes	COSYLATED HA	AEMOGLOBIN (HBA1C) % mg/dL ATION (ADA): LYCOSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years s of Therapy:	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
GLYCOSYLATED HAEI WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG by HPLC (HIGH PERFO INTERPRETATION:	MOGLOBIN (HbA1c): DRMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE DRMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	COSYLATED HA	AEMOGLOBIN (HBA1C) % mg/dL MATION (ADA): LYCOSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %

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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NAME	: Mrs. RAJWANTI DEVI			
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BARCODE NO.	:01515549		COLLECTION DATE	: 23/Aug/2024 10:01AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 23/Aug/2024 10:27AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
	ERYTI	HROCYTE SEDI	MENTATION RATE (ESI	R)
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	28 ^H	mm/1st h	nr 0 - 20
1. ESR is a non-specif immune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practition octed by other conditions besides be used to monitor disease activ	oner exactly when s inflammation. F	re the inflammation is in the or this reason, the ESR is typ	ion associated with infection, cancer and auto- body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

NOTE:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as devicen, methylicity and contracentives.

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it



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BARCODE NO.	: 01515549		COLLECTION DATE	: 23/Aug/2024 10:01AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 23/Aug/2024 01:36PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMIS	STRY/BIOCHEMISTR	Y
		GLUCOS	E FASTING (F)	
	F): PLASMA	118.71 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

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.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		ay Chopra Dr. Yugam Chopra ology & Microbiology) MD (Pathology) & Consultant Pathologist CEO & Consultant Pathologist		(Pathology)
	Mrs. RAJWANTI DEVI			
AGE/ GENDER : 6	35 YRS/FEMALE		PATIENT ID	: 1588709
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CLIENT ADDRESS : (6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
CHOLESTEROL TOTAL: S	ERUM	264.99 ^H	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OXIDA	SE PAP	201.77	Ĵ	BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHAT	¶ TE OXIDASE (ENZYMATIC)	291.13 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIR by SELECTIVE INHIBITION	ECT): SERUM	67.2	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 -
by offering www.birlow				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SER by CALCULATED, SPECTP		139.56 ^H	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 CHOLESTEROI by CALCULATED, SPECTE		197.79 ^H	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: SE		58.23 ^H	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by CALCULATED, SPECTE		821.11 ^H	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RAT by CALCULATED, SPECTR	IO: SERUM	3.94	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, spectr		2.08	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDL		4.33	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



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	L	IVER FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL: SI by diazotization, sf	ERUM <i>pectrophotometry</i>	0.43	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT by CALCULATED, SPE	(UNCONJUGATED): SERUM	0.28	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	20.2	U/L	7.00 - 45.00
SGPT/ALT: SERUM		18.5	U/L	0.00 - 49.00

BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.43	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.28	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	20.2	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.5	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.09	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	119.82	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	21.09	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.22	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.24	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.98	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.42	RATIO	1.00 - 2.00

<u>INTERPRETATION</u> 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



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	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	licrobiology)		(Pathology)
NAME	: Mrs. RAJWANTI DEVI			
AGE/ GENDER	: 65 YRS/FEMALE		PATIENT ID	: 1588709
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012408230023
REFERRED BY	: CENTRAL PHOENIX CLUB (AME	BALA CANTT)	REGISTRATION DATE	: 23/Aug/2024 09:53 AM
BARCODE NO.	: 01515549		COLLECTION DATE	: 23/Aug/2024 10:01AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 23/Aug/2024 11:34AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTI	2	
Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)

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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	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. RAJWANTI DEVI : 65 YRS/FEMALE : SURJESH : CENTRAL PHOENIX CLUB (A : 01515549 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		COLLECTION DATE REPORTING DATE	: 1588709 : 012408230023 : 23/Aug/2024 09:53 AM : 23/Aug/2024 10:01AM : 23/Aug/2024 01:36PM
Test Name		Value	Unit	Biological Reference interval
	кі		ON TEST (COMPLETE)	
UREA: SERUM		21.88	mg/dL	10.00 - 50.00
by UREASE - GLUTAM CREATININE: SERUN by ENZYMATIC, SPEC		0.86	mg/dL	0.40 - 1.20
BLOOD UREA NITRO	GEN (BUN): SERUM	10.22	mg/dL	7.0 - 25.0
-	GEN (BUN)/CREATININE	11.88	RATIO	10.0 - 20.0
by CALCULATED, SPE UREA/CREATININE F by CALCULATED, SPE	RATIO: SERUM	25.44	RATIO	
URIC ACID: SERUM		4.35	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPE		9.59	mg/dL	8.50 - 10.60
PHOSPHOROUS: SER		3.41	mg/dL	2.30 - 4.70
SODIUM: SERUM by ISE (ION SELECTIV		139.6	mmol/L	135.0 - 150.0
POTASSIUM: SERUN by ISE (ION SELECTIV		4.09	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV		104.7	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE	74.9		

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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	Dr. Vinay Chopi MD (Pathology & Mic Chairman & Consulta	crobiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mrs. RAJWANTI DEVI			
AGE/ GENDER	: 65 YRS/FEMALE	PATIENT ID	: 1588709	
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				9 AM
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBA		0	
BARCODE NO.	: 01515549	COLLECTION DAT	0	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DAT	E : 23/Aug/2024 01:3	6PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	3ALA CANTT		
Test Name		Value Ur	nit Biological	Reference interval
 Postrenal azotemia Prerenal azotemia Perenal azotemia DECREASED RATIO (Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (Nenacimide thera Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin there ESTIMATED GLOMERU G1 	nd starvation. e. creased urea synthesis. urea rather than creatinine diffuses monemias (urea is virtually absent in of inappropiate antidiuretic harmone 10:1) WITH INCREASED CREATININE: py (accelerates conversion of creatin eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increating creased BUN/creatinine ratio). apy (interferes with creatinine measing JLAR FILTERATION RATE: DESCRIPTION Normal kidney function	than creatinine) (e.g. obstructiv out of extracellular fluid). n blood).) due to tubular secretion of ure ne to creatinine). se in creatinine with certain me urement). GFR (mL/min/1.73m2) >90	a. thodologies,resulting in norma ASSOCIATED FINDINGS No proteinuria	al ratio when dehydratio
G2	Kidney damage with	>90	Presence of Protein ,	
<u> </u>	normal or high GFR Mild decrease in GFR	60.00	Albumin or cast in urine	4
G3a G3b	Mild decrease in GFR Moderate decrease in GFR	60 -89 R 30-59		4
G3D G4	Severe decrease in GFR	15-29		-
04	JUVUIE UEUIEASE III OFR	i J⁼∠ 7		1

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Kidney failure

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<15







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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

End Of Report ***





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