



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		) (Pathology)
NAME	: Mrs. RITU DUA			
AGE/ GENDER	: 47 YRS/FEMALE		PATIENT ID	: 1713934
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012501020026
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 02/Jan/2025 10:07 AM
BARCODE NO.	:01523332		COLLECTION DATE	: 02/Jan/2025 10:17AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 02/Jan/2025 10:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAST	THYA WI	ELLNESS PANEL: G	N A
	COMP	LETE BLO	OOD COUNT (CBC)	
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	B)	14	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL ( by HYDRO DYNAMIC F	RBC) COUNT	4.7	Millions/	s/cmm 3.50 - 5.00
PACKED CELL VOLU		43.4	%	37.0 - 50.0
MEAN CORPUSCUL	AR VOLUME (MCV) UTOMATED HEMATOLOGY ANALYZER	92.3	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	29.9	pg	27.0 - 34.0
MEAN CORPUSCUL by calculated by a	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.3	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	12.6	%	11.00 - 16.00
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	43.7	fL	35.0 - 56.0
MENTZERS INDEX		19.64	RATIO	BETA THALASSEMIA TRAIT: 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND by Calculated	DEX	24.84	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: : 65.0
WHITE BLOOD CE	LLS (WBCS)			0010
FOTAL LEUCOCYTE	E COUNT (TLC) ( by sf cube & microscopy	5650	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
	BLOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %





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

 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





NAME





MD (Pathology)

:1713934

:012501020026

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Dr. Yugam Chopra Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mrs. RITU DUA AGE/ GENDER **PATIENT ID** : 47 YRS/FEMALE **COLLECTED BY** : SURJESH REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : **COLLECTION DATE BARCODE NO.** :01523332 **CLIENT CODE.** : KOS DIAGNOSTIC LAB **REPORTING DATE CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT -- -.....

Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	54	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	37	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	7	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by SF cube & microscopy	3051	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2090	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by SF cube & microscopy	113	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	396	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	217000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.28	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 <sup>H</sup>	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	101000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	46.5 <sup>H</sup>	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.5	%	15.0 - 17.0





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BARCODE NO.	: 01523332		ECTION DATE	: 02/Jan/2025 10:17AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		DRTING DATE	: 02/Jan/2025 02:22PM
			DRIING DAIL	. 02/Jail/ 2023 02.22F M
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
WHOLE BLOOD	EMOGLOBIN (HbA1c):	5.1	%	4.0 - 6.4
ESTIMATED AVERA	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	99.67	mg/dL	60.00 - 140.00
INTERTRETATION.				
	AS PER AIVIERICAN REFERENCE GROUP	N DIABETES ASSOCIATION	. ,	BAIC) in %
	abetic Adults >= 18 years	GETOOS	GLYCOSYLATED HEMOGLOGIB (HBAIC) in %	
	t Risk (Prediabetes)		5.7 - 6.4	
	iagnosing Diabetes		>= 6.5	
			Age > 19 Years	
		Goals of The		< 7.0
Therapeut	ic goals for glycemic control	Actions Sugg		>8.0
			Age < 19 Years	
		Goal of the		<7.5

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 faisely 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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BARCODE NO.	: 01523332	COLL	ECTION DATE	: 02/Jan/2025 10:17AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 02/Jan/2025 11:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	DIMENTATION RATE (ESR) gation by capillary photometr	17 RY	mm/1st	hr 0 - 20
1. ESR is a non-special immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO	ected by other conditions besides be used to monitor disease activ ematosus <b>W ESR</b>	inflammation. For this r ity and response to ther	eason, the ESR is ty apy in both of the a	tion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such above diseases as well as some others, such as
(polycythaemia), sig as sickle cells in sick <b>NOTE:</b> 1. ESR and C - reactiv 2. Generally, ESR doe	n with conditions that inhibit the nificantly high white blood cell co le cell anaemia) also lower the E e protein (C-RP) are both marker as not change as rapidly as does ( I by as many other factors as is ES	ount (leucocytosis) , and SR. s of inflammation. CRP. either at the start c	some protein abno	such as a high red blood cell count ormalities. Some changes in red cell shape (such is it resolves. <b>n.</b>





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 02/Jan/2025 11:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT	,	
Test Name		Value	Unit	Biological Reference interval
	CLIN		TRY/BIOCHEMIST E FASTING (F)	'nY

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROF	TLF · BASIC	
CHOLESTEROL TO			mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		256.85 <sup>H</sup>	ing/ uL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSF	ERUM PHATE OXIDASE (ENZYMATIC)	148.11	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM	53.74	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		173.49 <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 CHOLEST by CALCULATED, SPE		203.11 <sup>H</sup>	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER(		29.62	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SER	RUM	661.81	mg/dL	350.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE	DL RATIO: SERUM	4.78 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		3.23 <sup>H</sup>	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	2.76 <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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Test Name		Value	Unit	Biological Reference interval
BILIRUBIN TOTAL		<b>FUNCTIO</b> 0.48	<b>N TEST (COMPLETE)</b> mg/dL	INFANT: 0.20 - 8.00
	PECTROPHOTOMETRY	0.40	ilig/ uL	ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.35	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	20.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	14.9	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		1.38	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	63.73	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	15.8	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.03	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.14	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	1	2.89	gm/dL	2.30 - 3.50
A : G RATIO: SERUI		1.43	RATIO	1.00 - 2.00

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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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INTERPRETATION





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Test Name	Value	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



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

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Test Name		Value	Unit	<b>Biological Reference interv</b>
	KIDNE	Y FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		21.5	mg/dL	10.00 - 50.00
by UREASE - GLUTAN CREATININE: SERI	IATE DEHYDROGENASE (GLDH)	0.79	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC		0.75		0.40 - 1.20
	COGEN (BUN): SERUM	10.05	mg/dL	7.0 - 25.0
	ROGEN (BUN)/CREATININE	12.72	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPE UREA/CREATININ		27.22	RATIO	
by CALCULATED, SPE	ECTROPHOTOMETRY			
URIC ACID: SERUM		2.44 <sup>L</sup>	mg/dL	2.50 - 6.80
CALCIUM: SERUM		10.86 <sup>H</sup>	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE		3.52	mg/dI	2 20 4 70
PHOSPHOROUS: SE by PHOSPHOMOLYBL	DATE, SPECTROPHOTOMETRY	3.52	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		141.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERU		3.95	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	/E ELECTRODE)			
CHLORIDE: SERUN by ISE (ION SELECTIV		106.2	mmol/L	90.0 - 110.0
, ,	IERULAR FILTERATION RATE			
ESTIMATED GLOM	ERULAR FILTERATION RATE	92.8		
(eGFR): SERUM				
INTERPRETATION:				

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.

3. GI haemorrhage.



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

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

 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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)			athology)			
IAME	: Mrs. RITU	DUA							
GE/ GENDER	: 47 YRS/FEM	<b>/</b> IALE		PATIENT ID		: 1713934			
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	_	: 0125010200	26		
REFERRED BY				REGISTRATION D		: 02/Jan/2025 1			
BARCODE NO.	:01523332					: 02/Jan/2025 1			
				COLLECTION DAT					
CLIENT CODE.	: KOS DIAGN			REPORTING DAT	E	: 02/Jan/2025 1	1:09AM		
CLIENT ADDRESS	: 6349/1, NI	CHOLSON ROAD, AMBA	ALA CANTT						
Fest Name			Value	Un	it	Biolog	gical Refe	rence inte	rval
burns, surgery, cache: 7. Urine reabsorption 8. Reduced muscle ma 9. Certain drugs (e.g. INCREASED RATIO (>20	ia, high fever), (e.g. ureter co ass (subnorma etracycline, g <b>b:1) WITH ELEV</b> (BUN rises dis uperimposed <b>b:1) WITH DEC</b> asis.	lostomy) I creatinine production lucocorticoids) <b>/ATED CREATININE LEVE</b> proportionately more t on renal disease.	) LS:				łrome, hig	h protein di	iet,
5. Excess protein intal burns, surgery, cache: 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 2. Prerenal azotemia 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (i 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (i 6. Muscular patients of 8. Muscular patients of 1. Diabetic ketoacidos 5. Hould produce an incomparent of the second 1. Diabetic ketoacidos	ia, high fever) (e.g. ureter co ass (subnorma etracycline, g <b>b:1) WITH ELEV</b> (BUN rises dis uperimposed <b>b:1) WITH DEC</b> osis. d starvation. reased urea s urea rather th nonemias (urea inappropiate <b>b:1) WITH INCI</b> oy (accelerates uleases muscle vho develop r is (acetoaceta reased BUN/ca apy (interferes LAR FILTERATI No No No	lostomy) l creatinine production lucocorticoids) <b>/ATED CREATININE LEVE</b> proportionately more t on renal disease. <b>REASED BUN :</b> ynthesis. an creatinine diffuses of a is virtually absent in antidiuretic harmone) <b>REASED CREATININE:</b> s conversion of creatine e creatinine). enal failure. tte causes false increas reatinine ratio).	) <b>LS:</b> han creatinin ut of extrace blood). due to tubul to creatinin e in creatinin rement).	ne) (e.g. obstructive ellular fluid). ar secretion of urea e).	e uropath a. hodologi ASSO N Pres	y).	ormal ratio		





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

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









Test Name	Value	e Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	ANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 02/Jan/2025 11:09AM
BARCODE NO.	: 01523332	COLLECTION DATE	: 02/Jan/2025 10:17AM
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 02/Jan/2025 10:07 AM
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012501020026
AGE/ GENDER	: 47 YRS/FEMALE	PATIENT ID	: 1713934
NAME	: Mrs. RITU DUA		
	MD (Pathology & Microbiolo Chairman & Consultant Patho	gy) MD	(Pathology)
	Dr. Vinay Chopra	Dr. Yugam	n Chopra

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



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

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

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		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD (I CEO & Consultant F	Pathology)
NAME	: Mrs. RITU DUA			
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COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012501020026
REFERRED BY	:	REGI	STRATION DATE	: 02/Jan/2025 10:07 AM
BARCODE NO.	: 01523332	COLL	ECTION DATE	: 02/Jan/2025 10:17AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 02/Jan/2025 11:13AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
Test Name				Biological Reference interva
Test Name	MICROALB	Value CLINICAL PAT UMIN/CREATININE	HOLOGY	
Test Name MICROALBUMIN: F	RANDOM URINE	CLINICAL PAT	HOLOGY	
MICROALBUMIN: F by spectrophotom CREATININE: RAN	RANDOM URINE HETRY DOM URINE	CLINICAL PAT UMIN/CREATININE	HOLOGY RATIO - RANDO	M URINE
MICROALBUMIN: F by SPECTROPHOTON CREATININE: RAN by SPECTROPHOTON MICROALBUMIN/( RANDOM URINE by SPECTROPHOTON	RANDOM URINE METRY DOM URINE METRY CREATININE RATIO -	CLINICAL PAT UMIN/CREATININE 6.1	HOLOGY RATIO - RANDO mg/L	<b>M URINE</b> 0 - 25
MICROALBUMIN: F by SPECTROPHOTON CREATININE: RAN by SPECTROPHOTON MICROALBUMIN/( RANDOM URINE	RANDOM URINE METRY DOM URINE METRY CREATININE RATIO - METRY	CLINICAL PAT UMIN/CREATININE 6.1 42.75	THOLOGY RATIO - RANDO mg/L mg/dL	<b>M URINE</b> 0 - 25 20 - 320
MICROALBUMIN: F by SPECTROPHOTON CREATININE: RAN by SPECTROPHOTON MICROALBUMIN/C RANDOM URINE by SPECTROPHOTON INTERPRETATION:-	RANDOM URINE HETRY DOM URINE METRY CREATININE RATIO - HETRY NORMAL: mg/L	CLINICAL PAT UMIN/CREATININE 6.1 42.75	THOLOGY RATIO - RANDO mg/L mg/dL mg/g	<b>M URINE</b> 0 - 25 20 - 320

Long standing un-treated Diabetes and Hypertension can lead to renal dysfunction. 2. Diabetic nephropathy or kidney disease is the most common cause of end stage renal disease(ERSD) or kidney failure. 3. Presence of Microalbuminuria is an early indicator of onset of compromised renal function in these patients. 4.Microalbuminuria is the condition when urinary albumin excre tion is between 30-300 mg & above this it is called as macroalbuminuria, the presence of which indicates serious kidney disease. 5.Microalbuminuria is not only associated with kidney disease but of cardiovascular disease in patients with dibetes & hypertension. 6. Microalbuminuria of only associated with kidney disease but of cardiovascular disease in patients with dibetes & hypertension.

6.Microalbuminuria reflects vascular damage & appear to be a marker of of early arterial disease & endothelial dysfunction. **NOTE:-** IF A PATIENT HAS = 1+ PROTEINURIA (30 mg/dl OR 300 mg/L) BY URINE DIPSTICK (URINEANALYSIS), OVERT PROTEINURIA IS PRESENT AND TESTING FOR MICROALBUMIN IS INAPPROPIATE. IN SUCH A CASE, URINE PROTEIN:CREATININE RATIO OR 24 HOURS TOTAL URINE MICROPROTEIN IS APPROPIATE.

### \*\*\* End Of Report \*\*\*





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

