



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mr. RAKESH DHIMAN			
AGE/ GENDER	: 38 YRS/MALE		PATIENT ID	: 1560046
COLLECTED BY	:		REG. NO./LAB NO.	:012407250015
REFERRED BY	: Dr. P.S.AHUJA (AMBALA CANTT)		REGISTRATION DATE	: 25/Jul/2024 09:27 AM
BARCODE NO.	: 01513770		COLLECTION DATE	: 25/Jul/2024 09:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 25/Jul/2024 10:04AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS		LLNESS PANEL: 1.0	
			OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		13.2	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RE		4.53	Millions/	cmm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE	4.55		
PACKED CELL VOLUN	1E (PCV) UTOMATED HEMATOLOGY ANALYZER	40.1	%	40.0 - 54.0
MEAN CORPUSCULA	R VOLUME (MCV)	88.5	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH)	29.1	pg	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER	27.1	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.9	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	ION WIDTH (RDW-CV)	13.2	%	11.00 - 16.00
-	UTOMATED HEMATOLOGY ANALYZER ION WIDTH (RDW-SD)	43.6	fL	35.0 - 56.0
	UTOMATED HEMATOLOGY ANALYZER	43.0	IL.	33.0 - 30.0
MENTZERS INDEX		19.54	RATIO	BETA THALASSEMIA TRAIT: <
GREEN & KING INDE	X	25.75	RATIO	IRON DEFICIENCY ANEMIA: > BETA THALASSEMIA TRAIT: <
by CALCULATED		20.70		65.0
				IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CELLS		5220	lomm	4000 11000
TOTAL LEUCOCYTE C	UUNT (TLC) Y BY SF CUBE & MICROSCOPY	5220	/cmm	4000 - 11000
NUCLEATED RED BLC by CALCULATED BY A MICROSCOPY	OOD CELLS (nRBCS) UTOMATED HEMATOLOGY ANALYZER &	NIL		0.00 - 20.00
NUCLEATED RED BLC) OD CELLS (nRBCS) % <i>utomated hematology analyzer</i> &	NIL	%	< 10 %



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. RAKESH DHIMAN **AGE/ GENDER** : 38 YRS/MALE **PATIENT ID** :1560046 **COLLECTED BY** :012407250015 REG. NO./LAB NO. : **REFERRED BY** : Dr. P.S.AHUJA (AMBALA CANTT) **REGISTRATION DATE** : 25/Jul/2024 09:27 AM **BARCODE NO.** :01513770 **COLLECTION DATE** : 25/Jul/2024 09:33AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 25/Jul/2024 10:04AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 50 - 70 47^L % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 40 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 7H % 1 - 6by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES % 2 - 12 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 0 BASOPHILS % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **IMMATURE GRANULOCTE (IG) %** 0 % 0 - 5.0 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 2453 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2088 /cmm 800 - 4900 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 365 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 313 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE IMMATURE GRANULOCYTE COUNT 0 0.0 - 999.0 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) /cmm 120000^L by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.18 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 16^H **MEAN PLATELET VOLUME (MPV)** fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 78000 /cmm 30000 - 90000

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE



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Test Name		Value	Unit	Biological Reference interval
PLATELET LARGE CEI	L RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	66.1 ^H	%	11.0 - 45.0
PLATELET DISTRIBUT		16.6	%	15.0 - 17.0

RECHECKED





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BARCODE NO.	:01513770		COLLECTION DATE	: 25/Jul/2024 09:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 25/Jul/2024 10:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTI	ſ	
Test Name		Value	Unit	Biological Reference interval
				.
	ERYTHRO	CYTE SEDI	IMENTATION RATE (ES	R)
	MENTATION RATE (ESR)	5	mm/1st h	nr 0 - 20
by MODIFIED WESTER NTERPRETATION:	RGREN AUTOMATED METHOD			
2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO A low ESR can be see	ected by other conditions besides infla be used to monitor disease activity a ematosus W ESR In with conditions that inhibit the nor	immation. F nd response mal sedime	or this reason, the ESR is ty e to therapy in both of the a ntation of red blood cells, s	e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count smalities. Some changes in red cell shape (such
 An ESR can be affe as C-reactive protein This test may also systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: ESR and C - reactiv Generally, ESR doe CRP is not affected If the ESR is elevat Women tend to ha Drugs such as dexi 	acted by other conditions besides inflate be used to monitor disease activity a ematosus W ESR in with conditions that inhibit the nor hificantly high white blood cell count le cell anaemia) also lower the ESR. e protein (C-RP) are both markers of i es not change as rapidly as does CRP, by as many other factors as is ESR, m ed, it is typically a result of two types we a higher ESR, and menstruation an	Immation. F nd response mal sedime (leucocytos nflammation either at the aking it a be of proteins d pregnancy	for this reason, the ESR is ty a to therapy in both of the a ntation of red blood cells, s is) , and some protein abno n. e start of inflammation or a etter marker of inflammation , globulins or fibrinogen. y can cause temporary eleva	picallý used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count simalities. Some changes in red cell shape (such s it resolves. n .





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Page 4 of 14





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMISTR	Y/BIOCHEMISTR	Y
		GLUCOSE FA	ASTING (F)	
GLUCOSE FASTING (F by glucose oxidasi): PLASMA E - PEROXIDASE (GOD-POD)	88.35	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level below 100 mg/dl is considered normal.
 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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Page 5 of 14





	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. RAKESH DHIMAN : 38 YRS/MALE : : Dr. P.S.AHUJA (AMBALA CANT : 01513770 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REG. IT) REGI COLL REPO	ENT ID NO./LAB NO. STRATION DATE ECTION DATE PRTING DATE	: 1560046 : 012407250015 : 25/Jul/2024 09:27 AM : 25/Jul/2024 09:33AM : 25/Jul/2024 11:30AM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OX		175.65	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	123.08	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199. HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I by SELECTIVE INHIBITI		46.88	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		104.15	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 CHOLESTER by CALCULATED, SPEC		128.77	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: by CALCULATED, SPEC		24.62	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN by CALCULATED, SPEC	Л	474.38	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE	RATIO: SERUM	3.75	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: SER by CALCULATED, SPEC		2.22	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.63 ^L	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
	LIV	ER FUNCTION	I TEST (COMPLETE)	
BILIRUBIN TOTAL: SE		0.85	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	ONJUGATED): SERUM PECTROPHOTOMETRY	0.28	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT by CALCULATED, SPE	(UNCONJUGATED): SERUM CTROPHOTOMETRY	0.57	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	22.33	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	24.56	U/L	0.00 - 49.00
AST/ALT RATIO: SERI		0.91	RATIO	0.00 - 46.00
ALKALINE PHOSPHAT by Para Nitropheny Propanol	ASE: SERUM /L PHOSPHATASE BY AMINO METHYL	95.5	U/L	40.0 - 150.0
GAMMA GLUTAMYL by szasz, spectrof	TRANSFERASE (GGT): SERUM htometry	19.4	U/L	0.00 - 55.0
TOTAL PROTEINS: SE by BIURET, SPECTRO		7.11	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GI	REEN	5.15	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		1.96 ^L	gm/dL	2.30 - 3.50
by CALCULATED, SPE A : G RATIO: SERUM		2.63 ^H	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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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).

PROGNOSTIC SIGNIFICANCE:

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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	KI	ONEY FUNCTION	I TEST (COMPLETE)	
UREA: SERUM		25.79	mg/dL	10.00 - 50.00
by UREASE - GLUTAM	ATE DEHYDROGENASE (GLDH)			
CREATININE: SERUM		0.91	mg/dL	0.40 - 1.40
by ENZYMATIC, SPECT BLOOD UREA NITRO		12.05	mg/dL	7.0 - 25.0
by CALCULATED, SPE		12.00	ing/ de	1.0 20.0
BLOOD UREA NITRO	GEN (BUN)/CREATININE	13.24	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPE UREA/CREATININE R		28.34	RATIO	
by CALCULATED, SPE		20.34	KATIO	
URIC ACID: SERUM		5.74	mg/dL	3.60 - 7.70
by URICASE - OXIDASI	E PEROXIDASE	0.10		0.50 10 (0
CALCIUM: SERUM by ARSENAZO III, SPEC	CTROPHOTOMETRY	9.18	mg/dL	8.50 - 10.60
PHOSPHOROUS: SER		2.56	mg/dL	2.30 - 4.70
	ATE, SPECTROPHOTOMETRY		J	
ELECTROLYTES				
SODIUM: SERUM		139.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE POTASSIUM: SERUM		3.95	mmol/L	2 50 5 00
by ISE (ION SELECTIVE		3.70	mmoi/L	3.50 - 5.00
CHLORIDE: SERUM		104.7	mmol/L	90.0 - 110.0
by ISE (ION SELECTIVE	,			
ESTIMATED GLOMER	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	110.6		
(eGFR): SERUM by calculated				

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.

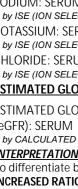


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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

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Page 10 of 14



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	ficrobiology)	Yugam Chopra MD (Pathology) Consultant Pathologist	
NAME	: Mr. RAKESH DHIMAN			
AGE/ GENDER	: 38 YRS/MALE	PATIENT ID	: 1560046	
COLLECTED BY	:	REG. NO./LAB N	0. : 0124072	250015
REFERRED BY	: Dr. P.S.AHUJA (AMBALA CANT)24 09:27 AM
		,		
BARCODE NO.	:01513770	COLLECTION DA		024 09:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DA	TE : 25/Jul/20	024 11:30AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
Test Name		Value L	Jnit B	iological Reference interval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE L (BUN rises disproportionately mo superimposed on renal disease	EVELS:	ive uropathy).	
8. Reduced muscle ma 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (f 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (f 3. Muscular patients o 1. Diabetic ketoacidos should produce an inc 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE L (BUN rises disproportionately mo superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. d starvation. creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent f inappropiate antidiuretic harmon 0:1) WITH INCREASED CREATININE by (accelerates conversion of crease eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false incr creased BUN/creatinine ratio). apy (interferes with creatinine me LAR FILTERATION RATE: DESCRIPTION	EVELS: bre than creatinine) (e.g. obstruction es out of extracellular fluid). t in blood). ne) due to tubular secretion of ur t ine to creatinine). ease in creatinine with certain m asurement). GFR (mL/min/1.73m2)	ea. hethodologies,resulting	DINGS
 Reduced muscle mages Certain drugs (e.g., NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necro Low protein diet an Severe liver disease Other causes of det Repeated dialysis (i Inherited hyperami SIADH (syndrome o Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (re Muscular patients of Muscular patients of Cephalosporin ther ESTIMATED GLOMERU CKD STAGE 	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE L (BUN rises disproportionately mo superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. d starvation. 2: creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent f inappropiate antidiuretic harmon 0:1) WITH INCREASED CREATININE oy (accelerates conversion of crea eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false incr creased BUN/creatinine ratio). apy (interferes with creatinine me LAR FILTERATION RATE: DESCRIPTION Normal kidney function	EVELS: bre than creatinine) (e.g. obstruction es out of extracellular fluid). t in blood). ne) due to tubular secretion of ur t ine to creatinine). ease in creatinine with certain m asurement). GFR (mL/min/1.73m2) on >90	rea. hethodologies,resulting ASSOCIATED FINI No proteinur	DINGS ria
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 Reduced muscle mascle mascle in Cretain drugs (e.g. NCREASED RATIO (>2) Postrenal azotemia in Crece a construction of the causes of decay and the causes of decay are and the causes of the causes of decay are and the causes of decay are and the causes of the c	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE L (BUN rises disproportionately mo superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. d starvation. creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent f inappropiate antidiuretic harmon 0:1) WITH INCREASED CREATININE oy (accelerates conversion of crease eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false incr creased BUN/creatinine ratio). apy (interferes with creatinine me LAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFR	EVELS: bre than creatinine) (e.g. obstruction es out of extracellular fluid). t in blood). ne) due to tubular secretion of ur t ine to creatinine). ease in creatinine with certain masurement). GFR (mL/min/1.73m2) on >90 >90	rea. hethodologies,resulting ASSOCIATED FINI No proteinur	DINGS ria tein ,
 Reduced muscle mages Certain drugs (e.g., INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necro Low protein diet an Severe liver disease Other causes of det Repeated dialysis (i Inherited hyperami SIADH (syndrome o Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (re Muscular patients of Muscular patients of Cephalosporin ther ESTIMATED GLOMERU CKD STAGE 	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE L (BUN rises disproportionately mo superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. d starvation. creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent f inappropiate antidiuretic harmon 0:1) WITH INCREASED CREATININE oy (accelerates conversion of crease eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false incr creased BUN/creatinine ratio). apy (interferes with creatinine me LAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with	EVELS: bre than creatinine) (e.g. obstruction es out of extracellular fluid). t in blood). ne) due to tubular secretion of ur t ine to creatinine). ease in creatinine with certain masurement). GFR (mL/min/1.73m2) on >90 >90 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rea. hethodologies,resulting ASSOCIATED FINI No proteinur Presence of Pro	DINGS ria tein ,

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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST









	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)		
NAME	: Mr. RAKESH DHIMAN				
AGE/ GENDER	: 38 YRS/MALE	PATIENT ID	: 1560046		
COLLECTED BY	:	REG. NO./LAB NO.	: 012407250015		
REFERRED BY	: Dr. P.S.AHUJA (AMBALA CANTT)	REGISTRATION DATE	: 25/Jul/2024 09:27 AM		
BARCODE NO.	: 01513770	COLLECTION DATE	: 25/Jul/2024 09:33AM		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 25/Jul/2024 11:30AM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name	Value	e 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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	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. RAKESH DHIMAN			
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BARCODE NO.			CTION DATE	: 25/Jul/2024 09:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		TING DATE	: 25/Jul/2024 10:00AM
			TING DATE	. 23/Jul/ 2024 10.00AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH		
				non
PHYSICAL EXAMINA				
		10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
	TANCE SPECTROPHOTOMETRY			
FRANSPARANCY		CLEAR		CLEAR
-	TANCE SPECTROPHOTOMETRY	1.005		1 000 1 000
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	<=1.005		1.002 - 1.030
CHEMICAL EXAMINA				
REACTION		NEUTRAL		
	TANCE SPECTROPHOTOMETRY	NEOTIAL		
PROTEIN		Negative		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY			
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRT	7		5.0 - 7.5
	TANCE SPECTROPHOTOMETRY	1		5.0 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
JROBILINOGEN		Normal	EU/dL	0.2 - 1.0
	TANCE SPECTROPHOTOMETRY		20/02	
KETONE BODIES		Negative		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY	Nogotivo		
BLOOD by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	(-)		
MICROSCOPIC EXAN	<u>/INATION</u>			

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.







Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME	: Mr. RAKESH DHIMAN			
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REFERRED BY	: Dr. P.S.AHUJA (AMBALA CANT	T) RE (GISTRATION DATE	: 25/Jul/2024 09:27 AM : 25/Jul/2024 09:33AM
BARCODE NO.	: 01513770	COI	COLLECTION DATE	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 25/Jul/2024 10:00AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve	e) /HPF	0 - 3
		2.3	/HPF	0 - 5

by MICROSCOLL ON CENTRI OCED ON MART SEDIMENT				
PUS CELLS	2-3	/HPF	0 - 5	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
EPITHELIAL CELLS	1-2	/HPF	ABSENT	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
CRYSTALS	NEGATIVE (-ve)		NEGATIVE (-ve)	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
CASTS	NEGATIVE (-ve)		NEGATIVE (-ve)	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
BACTERIA	NEGATIVE (-ve)		NEGATIVE (-ve)	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
OTHERS	NEGATIVE (-ve)		NEGATIVE (-ve)	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ADJENT		ADJLINI	
by MICROSCOFT ON CLINTRIFUGED URINART SEDIMENT				

*** End Of Report ***





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