



	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	crobiology)		Pathology)
NAME	: Mr. RAKESH MISHRA			
AGE/ GENDER	: 38 YRS/MALE		PATIENT ID	: 1623433
<b>COLLECTED BY</b>	:		REG. NO./LAB NO.	: 012409240002
<b>REFERRED BY</b>	:		REGISTRATION DATE	: 24/Sep/2024 07:34 AM
BARCODE NO.	:01517581		COLLECTION DATE	: 24/Sep/2024 07:35AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 24/Sep/2024 08:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	STHYA WE	LLNESS PANEL: 1.0	
	CO	MPLETE BLC	DOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.9 <sup>L</sup>	gm/dL	12.0 - 17.0
RED BLOOD CELL (RB	C) COUNT ocusing, electrical impedence	3.55	Millions/cr	nm 3.50 - 5.00
PACKED CELL VOLUM		36.9 <sup>L</sup>	%	40.0 - 54.0
MEAN CORPUSCULA	R VOLUME (MCV)	103.9 <sup>H</sup>	fL	80.0 - 100.0
MEAN CORPUSCULA	R HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	33.4	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.2 <sup>L</sup>	g/dL	32.0 - 36.0
	ION WIDTH (RDW-CV)	15.1	%	11.00 - 16.00
RED CELL DISTRIBUT	UTOMATED HEMATOLOGY ANALYZER ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	58.3 <sup>H</sup>	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		29.27	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	44.03	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>; (WBCS)</u>			
TOTAL LEUCOCYTE C	OUNT (TLC) y by sf cube & microscopy	8720	/cmm	4000 - 11000
NUCLEATED RED BLC		NIL		0.00 - 20.00
NUCLEATED RED BLC	OOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
NEUTROPHILS by flow cytometry	Y BY SF CUBE & MICROSCOPY	55	%	50 - 70



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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** : Mr. RAKESH MISHRA NAME AGE/ GENDER : 38 YRS/MALE **PATIENT ID** :1623433 **COLLECTED BY** :012409240002 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 24/Sep/2024 07:34 AM **BARCODE NO.** :01517581 **COLLECTION DATE** : 24/Sep/2024 07:35AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :24/Sep/2024 08:55AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 33 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 6 % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES % 2 - 12 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 4796 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 2878 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE EOSINOPHIL COUNT** 40 - 440 523<sup>H</sup> /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 523 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) /cmm 150000 - 450000 142000<sup>L</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.18 0.10 - 0.36 PLATELETCRIT (PCT) % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 16<sup>H</sup> **MEAN PLATELET VOLUME (MPV)** fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 96000<sup>H</sup> /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % 11.0 - 45.0 PLATELET LARGE CELL RATIO (P-LCR) 65.2<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.5 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam ( MD (F CEO & Consultant P	Pathology)
IAME	: Mr. RAKESH MISHRA			
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BARCODE NO.	: 01517581	COLL	LECTION DATE	: 24/Sep/2024 07:35AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	REP	DRTING DATE	: 24/Sep/2024 09:09AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERY	THROCYTE SEDIMEN	TATION RATE (ESR)	)
	MENTATION RATE (ESR) GATION BY CAPILLARY PHOTOM	10 etry	mm/1st hr	0 - 20
nmune disease, but	does not tell the health pract	itioner exactly where the	inflammation is in the <b>k</b>	n associated with infection, cancer and auto- body or what is causing it. cally used in conjunction with other test such
. This test may also ystemic lupus erythe	be used to monitor disease ad	ctivity and response to the	erapy in both of the abo	ove diseases as well as some others, such as
<b>CONDITION WITH LON</b> I low ESR can be see polycythaemia), sigr Is sickle cells in sickl	<b>N ESR</b> n with conditions that inhibit	ll count (leucocytosis) , an	n of red blood cells, suc d some protein abnorn	ch as a high red blood cell count nalities. Some changes in red cell shape (such
. Generally, ESR doe	e protein (C-RP) are both mar s not change as rapidly as do	es CRP, either at the start	of inflammation or as i	t resolves.
B. CRP is not affected I. If the ESR is elevated	by as many other factors as is ed, it is typically a result of tw	s ESR, making it a better m yo types of proteins, globu	arker of inflammation.	
<ol> <li>Women tend to ha Drugs such as dext</li> </ol>	ve a higher ESR, and menstru	ation and pregnancy can c	ause temporary elevation	ons. ne, and vitamin A can increase ESR, while





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Test Name		Value	Unit	Biological Reference interval	
	CLIN	ICAL CHEMISTRY	BIOCHEMISTR	Y	
		GLUCOSE FAST	TING (F)		
				NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0	
<ol> <li>A fasting plasma g</li> <li>A fasting plasma g</li> <li>test (after consumpti</li> <li>A fasting plasma g</li> </ol>	ion of 75 gms of glucose) is recon	considered normal. ng/dl is considered as g nmended for all such pa is highly suggestive of d	tients. iabetic state. A repe	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for all	





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50 9001.2000 CENTIFIED LAD				
		Chopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFII	LE : BASIC	
CHOLESTEROL TOTA by CHOLESTEROL O		130.27	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SEF by GLYCEROL PHOSE	RUM PHATE OXIDASE (ENZYMATIC)	122.27	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL by SELECTIVE INHIBIT		41.28	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: 3 by CALCULATED, SPE		64.54	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 CHOLESTE by CALCULATED, SPE		88.99	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL by CALCULATED, SPE		24.45	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU by CALCULATED, SPE	M	382.81	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL by CALCULATED, SPE		3.16	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: SEF by calculated, spe		1.56	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		2.96 <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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Dr. Yugam Chopra

MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. RAKESH MISHRA **AGE/ GENDER** : 38 YRS/MALE **PATIENT ID** :1623433 **COLLECTED BY** :012409240002 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 24/Sep/2024 07:34 AM **BARCODE NO.** :01517581 **COLLECTION DATE** : 24/Sep/2024 07:35AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :24/Sep/2024 10:20AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.84 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.23 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.61 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 25.55 U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 38.84 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 0.66 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY ALKALINE PHOSPHATASE: SERUM 125.72 U/L 40.0 - 130.0 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL U/L GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 33.57 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 7.12 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 3.45<sup>L</sup> gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** 3.67<sup>H</sup> gm/dL 2.30 - 3.50

Dr. Vinay Chopra

A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

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.

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)

0.94<sup>L</sup>





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RATIO

1.00 - 2.00



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

**INCREASED:** 

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**INTERPRETATION** 





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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



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	Biological Reference interva
		KIDNEY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		16.48	mg/dL	10.00 - 50.00
	MATE DEHYDROGENASE (GLDH)			
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		0.82	mg/dL	0.40 - 1.40
		7.7	mg/dL	7.0 - 25.0
by CALCULATED, SPECTROPHOTOMETRY		1.1	Thy/uL	7.0 - 23.0
BLOOD UREA NITROGEN (BUN)/CREATININE		9.39 <sup>L</sup>	RATIO	10.0 - 20.0
RATIO: SERUM				
UREA/CREATININE	ECTROPHOTOMETRY RATIO: SERLIM	20.1	RATIO	
	ECTROPHOTOMETRY	20.1	NATIO	
URIC ACID: SERUM		5.78	mg/dL	3.60 - 7.70
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	0 5	ma/dl	8 50 10 40
by ARSENAZO III, SPE	ECTROPHOTOMETRY	8.5	mg/dL	8.50 - 10.60
PHOSPHOROUS: SEF		3.32	mg/dL	2.30 - 4.70
-	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES				
SODIUM: SERUM		140.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERUM		3.99	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV		5.77	minol/L	3.00 3.00
CHLORIDE: SERUM		105.38	mmol/L	90.0 - 110.0
by ISE (ION SELECTIN				
	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	115.3		
(eGFR): SERUM				

**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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Test Name		Value	Unit	Biological I	Reference interval
<ol> <li>5. Repeated dialysis</li> <li>6. Inherited hyperam</li> <li>7. SIADH (syndrome)</li> <li>8. Pregnancy.</li> <li>DECREASED RATIO (&lt;</li> <li>1. Phenacimide thera</li> <li>2. Rhabdomyolysis (r</li> <li>3. Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>1. Diabetic ketoacido</li> <li>should produce an ir</li> <li>2. Cephalosporin the</li> </ol>	nd starvation. e. ccreased urea synthesis. (urea rather than creatinine dif monemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> apy (accelerates conversion of c releases muscle creatinine). who develop renal failure. b: sis (acetoacetate causes false in creased BUN/creatinine ratio). rapy (interferes with creatinine)	sent in blood). mone) due to tubular secre I <b>NE:</b> creatine to creatinine). increase in creatinine with	etion of urea.	ogies,resulting in norma	l ratio when dehydrati
<ol> <li>Low protein diet a</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis</li> <li>Inherited hyperam</li> <li>SIADH (syndrome)</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>Muscular patients</li> <li>Diabetic ketoacido</li> <li>Should produce an ir</li> <li>Cephalosporin the</li> </ol>	nd starvation. e. ccreased urea synthesis. (urea rather than creatinine dif monemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> apy (accelerates conversion of c releases muscle creatinine). who develop renal failure. b: osis (acetoacetate causes false i ccreased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE:	sent in blood). mone) due to tubular secre INE: creatine to creatinine). increase in creatinine with measurement).	etion of urea. certain methodole		l ratio when dehydrati
<ol> <li>Low protein diet a</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis</li> <li>Inherited hyperam</li> <li>SIADH (syndrome)</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>MAPPROPIATE RATIC</li> <li>Diabetic ketoacido</li> <li>should produce an ir</li> <li>Cephalosporin the</li> <li>ESTIMATED GLOMER</li> <li>CKD STAGE</li> </ol>	nd starvation. e. ccreased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> apy (accelerates conversion of c releases muscle creatinine). who develop renal failure. <b>0:</b> osis (acetoacetate causes false i acreased BUN/creatinine ratio). rapy (interferes with creatinine <b>JLAR FILTERATION RATE:</b> <b>DESCRIPTION</b>	sent in blood). mone) due to tubular secre INE: creatine to creatinine). increase in creatinine with measurement). GFR (mL/min/	etion of urea. certain methodole	SOCIATED FINDINGS	l ratio when dehydrati
<ol> <li>Low protein diet a</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis</li> <li>Inherited hyperam</li> <li>SIADH (syndrome)</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>Muscular patients</li> <li>Diabetic ketoacido</li> <li>Should produce an ir</li> <li>Cephalosporin the</li> </ol>	nd starvation. e. ccreased urea synthesis. (urea rather than creatinine dif monemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> apy (accelerates conversion of c releases muscle creatinine). who develop renal failure. b: osis (acetoacetate causes false i ccreased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE:	sent in blood). mone) due to tubular secre INE: creatine to creatinine). increase in creatinine with measurement). GFR (mL/min/ inction >90	etion of urea. certain methodolo 1.73m2 ) AS		l ratio when dehydrati
Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (i Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an ir Cephalosporin the STIMATED GLOMER CKD STAGE G1	nd starvation. e. ccreased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> apy (accelerates conversion of c releases muscle creatinine). who develop renal failure. <b>0:</b> osis (acetoacetate causes false i increased BUN/creatinine ratio). rapy (interferes with creatinine <u>JLAR FILTERATION RATE:</u> <u>DESCRIPTION</u> Normal kidney fun	sent in blood). mone) due to tubular secre INE: creatine to creatinine). increase in creatinine with measurement). GFR (mL/min/ inction >90 vith >90 GFR	etion of urea. certain methodolo 1.73m2 ) AS P Alb	SOCIATED FINDINGS	l ratio when dehydrat

G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein
	normal or high GFR		Albumin or cast in ur
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	





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









	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P	ology) MD	m <b>Chopra</b> D (Pathology) ht Pathologist			
NAME	: Mr. RAKESH MISHRA					
AGE/ GENDER	: 38 YRS/MALE	PATIENT ID	: 1623433			
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012409240002			
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 24/Sep/2024 07:34 AM			
BARCODE NO.	: 01517581	<b>COLLECTION DATE</b>	: 24/Sep/2024 07:35AM			
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 24/Sep/2024 10:20AM			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT					
Test Name	W	alue 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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	<b>Dr. Vinay Ch</b> MD (Pathology & Chairman & Con		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. RAKESH MISHRA : 38 YRS/MALE : : : 01517581 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, 4	RE RE CO RE	ATIENT ID 2G. NO./LAB NO. 2GISTRATION DATE 2DLECTION DATE 2PORTING DATE	: 1623433 <b>: 012409240002</b> : 24/Sep/2024 07:34 AM : 24/Sep/2024 07:35AM : 24/Sep/2024 10:32AM
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
PHYSICAL EXAMINA				
QUANTITY RECIEVED		10	ml	
COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY CHEMICAL EXAMINATION		AMBER YELLO	DW	PALE YELLOW CLEAR
		1.01		1.002 - 1.030
REACTION		ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)
		Negative		NEGATIVE (-ve)
pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		5.5		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)
		NEGATIVE (-v	e)	NEGATIVE (-ve)

MICROSCOPIC EXAMINATION



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

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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Yugam Chopra MD (Pathology)

NEGATIVE (-ve)

NEGATIVE (-ve)

**NEGATIVE** (-ve)

NEGATIVE (-ve)

ABSENT

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. RAKESH MISHRA **AGE/ GENDER** : 38 YRS/MALE **PATIENT ID** :1623433 **COLLECTED BY** :012409240002 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : 24/Sep/2024 07:34 AM **BARCODE NO.** :01517581 **COLLECTION DATE** : 24/Sep/2024 07:35AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :24/Sep/2024 10:32AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** NEGATIVE (-ve) **RED BLOOD CELLS (RBCs)** /HPF 0 - 3 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT PUS CELLS 4-6 /HPF 0 - 5 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT EPITHELIAL CELLS 5-7 /HPF ABSENT

 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

 CRYSTALS
 NEGATIVE (-ve)

 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

 CASTS
 NEGATIVE (-ve)

 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

 BACTERIA
 NEGATIVE (-ve)

Dr. Vinay Chopra

MD (Pathology & Microbiology)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

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

NEGATIVE (-ve)

ABSENT



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

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