

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist	Dr. Yugam Cl MD (Pat CEO & Consultant Patl	hology)
ZALI		
LE PATE	ENT ID :	1535838
REG.	NO./LAB NO. :	012409020005
REGI	STRATION DATE :	02/Sep/2024 07:17 AM
COLL	ECTION DATE :	02/Sep/2024 07:22AM
NOSTIC LAB REPO	RTING DATE :	02/Sep/2024 08:18AM
CHOLSON ROAD, AMBALA CANTT		
Value	Unit	Biological Reference interval
SWASTHYA WELLNE	SS PANEL: 1.0	
COMPLETE BLOOD	COUNT (CBC)	
12.2	gm/dL	12.0 - 17.0
4.32	Millions/cmm	3.50 - 5.00
	%	40.0 - 54.0
MATOLOGY ANALYZER		
	fL	80.0 - 100.0
DBIN (MCH) 28.3	pg	27.0 - 34.0
	a/dl	32.0 - 36.0
	g/uL	
	%	11.00 - 16.00
	fL	35.0 - 56.0
	DATIO	
19.79	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
26.38	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
		IRON DEFICIENCY ANEMIA: > 65.0
		1000 11000
	/cmm	4000 - 11000
RBCS) NIL		0.00 - 20.00
	0/	< 10 %
MATOLOGY ANALYZER	70	× 10 /0
(DLC)		
68	%	50 - 70
	MD (Pathology & Microbiology) Chairman & Consultant Pathologist Z ALI ALE PATI REG. REGL REG. REGL COLL NOSTIC LAB REPO ICHOLSON ROAD, AMBALA CANTT Value SWASTHYA WELLINE COMPLETE BLOOD AND INDICES 12.2 A.32 CTRICAL IMPEDENCE CAND INDICES CAND INDICES AND INDICES CAND INDICES COMPLETE BLOOD AND INDICES 12.2 A.32 CTRICAL IMPEDENCE SIN CONC. (MCHC) DBIN (MCH) 28.3 MATOLOGY ANALYZER RDW-CV) NATOLOGY ANALYZER RDW-CV) 13.3 MATOLOGY ANALYZER RDW-CV) 13.3 MATOLOGY ANALYZER RDW-CV) 13.3 MATOLOGY ANALYZER RDW-SD) ANATOLOGY ANALYZER RDW-SD) ANATOLOGY ANALYZER RDW-SD) MATOLOGY ANALYZER RDW-SD) MATOLOGY ANALYZER RDW-SD) MATOLOGY ANALYZER RDW-SD) MATOLOGY ANALYZER RDW-SD MATOLOGY ANALYZER RDW-SD MATOLOGY ANALYZER RDW-SD MATOLOGY ANALYZER RDW-SD MATOLOGY ANALYZER RDW-SD MATOLOGY ANALYZER RDW-SD MATOLOGY ANALYZER RDCS MICROSCOPY RBCS) NIL MATOLOGY ANALYZER RBCS) MICROSCOPY RBCS) NIL MATOLOGY ANALYZER RBCS) NIL	MD (Pathology & Microbiology) Chairman & Consultant Pathologist TD (Pathology & Microbiology) CEO & Consultant Pathologist Z ALI ALE PATIENT ID :: REG. NO./LAB NO. :: REG. NO./LAB NO. :: REG. NO./LAB NO. :: NOSTIC LAB REPORTING DATE NOSTIC LAB REPORTING DATE ICHOLSON ROAD, AMBALA CANTT : SWASTHYA WELLNESS PANEL: 1.0 COMPLETE BLOOD COUNT (CBC) AND INDICES 12.2 gm/dL 4.32 CTRICAL IMPEDENCE 36.9 ^L % % MATOLOGY ANALYZER 85.5 NIN (NCH) 28.3 MATOLOGY ANALYZER 13.3 MATOLOGY ANALYZER 19.79 RDW-SD) 42.3 MATOLOGY ANALYZER 19.79 RATIO 26.38 MATOLOGY ANALYZER 19.79 RATIO 26.38 MATOLOGY ANALYZER NIL WATOLOGY ANALYZER NIL WATOLOGY ANALYZER NIL STOSO /cmm

57 cm

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

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

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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist EXCELLENCE IN HEALTHCARE & DIAGNOSTICS Dr. Yugam Chopra MD (Pathology)

MD (Pathology) CEO & Consultant Pathologist

NAME : Mr. IMTIAZ ALI			
AGE/ GENDER : 49 YRS/MALE	PATIE	NT ID	: 1535838
COLLECTED BY :	REG. N	O./LAB NO.	: 012409020005
REFERRED BY :	REGIST	FRATION DATE	: 02/Sep/2024 07:17 AM
BARCODE NO. : 01516138	COLLE	CTION DATE	: 02/Sep/2024 07:22AM
CLIENT CODE. : KOS DIAGNOSTIC LAB	REPOR	RTING DATE	: 02/Sep/2024 08:18AM
CLIENT ADDRESS : 6349/1, NICHOLSON F	ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval
LYMPHOCYTES	21	%	20 - 40
by FLOW CYTOMETRY BY SF CUBE & MICROSCOP	Y		
EOSINOPHILS	3	%	1 - 6
by FLOW CYTOMETRY BY SF CUBE & MICROSCOP MONOCYTES	У 8	%	2 - 12
by FLOW CYTOMETRY BY SF CUBE & MICROSCOP	Y		
BASOPHILS	0	%	0 - 1
by FLOW CYTOMETRY BY SF CUBE & MICROSCOP <u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u>	Ŷ		
ABSOLUTE NEUTROPHIL COUNT	3910	/cmm	2000 - 7500
by FLOW CYTOMETRY BY SF CUBE & MICROSCOP		Zumm	2000 - 7300
ABSOLUTE LYMPHOCYTE COUNT	1208	/cmm	800 - 4900
by FLOW CYTOMETRY BY SF CUBE & MICROSCOP		100000	10 110
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOP	у 172 У	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT	460	/cmm	80 - 880
by FLOW CYTOMETRY BY SF CUBE & MICROSCOP		,	0.110
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOP	0 Y	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIV			
PLATELET COUNT (PLT)	167000	/cmm	150000 - 450000
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPE		<i>C</i> (0.40 0.00
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPE	0.22 DENCE	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV)	14 ^H	fL	6.50 - 12.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMP	EDENCE	1	20000 00000
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPE	84000 Dence	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR)	50.6 ^H	%	11.0 - 45.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMP PLATELET DISTRIBUTION WIDTH (PDW)	EDENCE 16.3	%	15.0 - 17.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPE		70	15.0 - 17.0
NOTE: TEST CONDUCTED ON EDTA WHOLE			

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1.55



	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)
IAME	: Mr. IMTIAZ ALI			
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ARCODE NO.	: 01516138		COLLECTION DATE	: 02/Sep/2024 07:22AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 02/Sep/2024 08:33AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYT	HROCYTE SEDIN	MENTATION RATE (ESP	۶)
	MENTATION RATE (ESR)	11	mm/1st h	r 0-20
ystemic lupus eryth ONDITION WITH LO I low ESR can be see polycythaemia), sig s sickle cells in sick IOTE: . ESR and C - reactiv . Generally, ESR doc . CRP is not affected . If the ESR is elevat . Women tend to ha . Drugs such as dex	ematosus W ESR en with conditions that inhibit th nificantly high white blood cell c le cell anaemia) also lower the E re protein (C-RP) are both marker es not change as rapidly as does I by as many other factors as is ES ted, it is typically a result of two ave a higher ESR, and menstruation	e normal sedimen ount (leucocytosis ESR. rs of inflammation CRP, either at the SR, making it a bet types of proteins, on and pregnancy	tation of red blood cells, su), and some protein abnor start of inflammation or as ter marker of inflammation globulins or fibrinogen. can cause temporary eleva	
	an	Ć	hopra	

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		hopra & Microbiology) nsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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		DED	ORTING DATE	$102/C_{\rm em}/2024/00.004M$
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 02/Sep/2024 09:06AM
	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD		ORTING DATE	: 02/ Sep/ 2024 09:06AM
CLIENT CODE. CLIENT ADDRESS Test Name			Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT	Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT	Unit //BIOCHEMISTR	Biological Reference interval

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 4 of 13





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CLIENT ADDRESS : 6349/1, NIC	CHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval
	LIPID PRO	OFILE : BASIC	
CHOLESTEROL TOTAL: SERUM	148.21	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OXIDASE PAP		Ĵ	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (84.84 ENZYMATIC)	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
			HIGH: 200.0 - 499.0
			VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROL (DIRECT): SERU by SELECTIVE INHIBITION	M 55.36	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 -
			60.0
			HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOME	75.88	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0
by checcenter, of contention one			BORDERLINE HIGH: 130.0 - 129.0
			HIGH: 160.0 - 189.0
	02.05	in a fall	VERY HIGH: $>$ OR = 190.0
NON HDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOME	92.85	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0
			BORDERLINE HIGH: 160.0 - 189.0
			HIGH: 190.0 - 219.0
VLDL CHOLESTEROL: SERUM	16.97	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPECTROPHOTOME		ing/dL	
TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOME	381.26 TRY	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SERUM		RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPECTROPHOTOME	TRY		AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0
			HIGH RISK: > 11.0
LDL/HDL RATIO: SERUM	1.37	RATIO	LOW RISK: 0.50 - 3.0
by CALCULATED, SPECTROPHOTOME	TRY		MODERATE RISK: 3.10 - 6.0
			HIGH RISK: > 6.0
ELEVANA AND L		0	

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NAME	: Mr. IMTIAZ ALI			
AGE/ GENDER	: 49 YRS/MALE	PATI	ENT ID	: 1535838
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.53 ^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

LIVE	R FUNCTION TES	T (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.35	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.22	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	26.3	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	70.8 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.37	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	88.68	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	65.17 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.64	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.77	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.87	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.31	RATIO	1.00 - 2.00

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

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

USE: - Differential diagnosis of diseases of hepatobiliary system and pancreas.





	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	biology) MD	n Chopra 9 (Pathology) t Pathologist
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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).

GOOD PROGNOSTIC SIGN 0.3 - 0.6	
POOR PROGNOSTIC SIGN 1.2 - 1.6	



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EXCELLENCE IN HEALTHCARE & DIAGNOSTIC Dr. Yugam Chopra

	MD (Pathology & Chairman & Cons	Microbiology)			
NAME : M	r. IMTIAZ ALI				
AGE/ GENDER : 49	9 YRS/MALE	PATIENT ID		: 1535838	
COLLECTED BY :		RE	G. NO./LAB NO.	: 012409020005	
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CLIENT CODE. : K(OS DIAGNOSTIC LAB	RE	PORTING DATE	: 02/Sep/2024 09:37AM	
CLIENT ADDRESS : 63	349/1, NICHOLSON ROAD, A				
Test Name		Value	Unit	Biological Reference interval	
	KID	NEY FUNCTION	TEST (COMPLETE)		
UREA: SERUM		82.93 ^H	mg/dL	10.00 - 50.00	
by UREASE - GLUTAMATE L	DEHYDROGENASE (GLDH)		•		
CREATININE: SERUM	PHOTOMETERY	3.99 ^H	mg/dL	0.40 - 1.40	
BLOOD UREA NITROGEN	by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		mg/dL	7.0 - 25.0	
			DATIO	10.0 - 20.0	
BLOOD UREA NITROGEN RATIO: SERUM	(DUN)/CREATININE	9.71 ^L	RATIO	10.0 - 20.0	
by CALCULATED, SPECTRO					
UREA/CREATININE RATIO		20.78	RATIO		
by CALCULATED, SPECTRO URIC ACID: SERUM	PHOTOMETRY	7.01	mg/dL	3.60 - 7.70	
by URICASE - OXIDASE PER	ROXIDASE	,			
CALCIUM: SERUM		9.32	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPECTRO. PHOSPHOROUS: SERUM	PHOTOMETRY	5.16 ^H	mg/dL	2.30 - 4.70	
by PHOSPHOMOLYBDATE,	SPECTROPHOTOMETRY	5.10	ilig/ dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM		140.1	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIVE ELE POTASSIUM: SERUM	CTRODE)	3.79	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIVE ELE	CTRODE)	5.77	THINOI/ L	3.30 - 3.00	
CHLORIDE: SERUM		105.07	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIVE ELE ESTIMATED GLOMERULA					
ESTIMATED GLOMERULA		17 F			
eGFR): SERUM by CALCULATED	R FILTERATION RATE	17.5			
NOTE 2		RESULT RECHECKED TWICE			
ADVICE		KINDLY CORR	ELATE CLINICALLY		
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



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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 & Consultan	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist					
AME	: Mr. IMTIA	ZALI						
GE/ GENDER	: 49 YRS/MA	LE		PATIENT ID	: 15	535838		
OLLECTED BY				REG. NO./LAB NO.	:0	1240902000	5	
EFERRED BY				REGISTRATION D		2/Sep/2024 07		
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ARCODE NO.	:01516138			COLLECTION DAT		2/Sep/2024 07		
LIENT CODE.	: KOS DIAGN			REPORTING DATI	E : 02	2/Sep/2024 09):37AM	
LIENT ADDRESS	: 6349/1, NI	CHOLSON ROAD, AMBA	ALA CANTT					
est Name			Value	Un	it	Biologica	al Reference i	nterval
		lostomy)						
. Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia Perenal azotemia PECREASED RATIO (< . Acute tubular necr . Low protein diet an . Severe liver diseas . Other causes of de . Repeated dialysis (. Inherited hyperam . SIADH (syndrome of . Pregnancy. PECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an in	(e.g. ureter consists (subnormate tetracycline, generative) (BUN rises dissist superimposed for the super	lostomy) I creatinine production lucocorticoids) ATED CREATININE LEVE proportionately more t on renal disease. REASED BUN : ynthesis. an creatinine diffuses o ea is virtually absent in antidiuretic harmone) REASED CREATININE: o conversion of creatine creatinine). enal failure. tte causes false increaso reatinine ratio). with creatinine measu	LS: han creatini ut of extrac blood). due to tubu to creatini e in creatini rement).	ellular fluid). lar secretion of urea ne).	hodologies,r ASSOCIA No p Presenc	esulting in norr TED FINDINGS roteinuria e of Protein , or cast in urine		n dehydratic
Reduced muscle m Certain drugs (e.g. ICREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2 G3a	(e.g. ureter con hass (subnorma tetracycline, g 20:1) WITH ELEV a (BUN rises dis superimposed 10:1) WITH DEC tosis. Ind starvation. e. creased urea s (urea rather the monemias (urea finappropiate 10:1) WITH INCI py (accelerates releases muscle who develop r bisis (acetoaceta creased BUN/cr rapy (interferes JLAR FILTERATIO	I creatinine production I creatinine production I cocorticoids) ATED CREATININE LEVE proportionately more t on renal disease. REASED BUN : an creatinine diffuses of the case of the second a is virtually absent in antidiuretic harmone) REASED CREATININE: a conversion of creatine a creatinine). enal failure. REASED CREATININE: a conversion of creatine a creatinine ratio). with creatinine measure DESCRIPTION ormal kidney function (idney damage with normal or high GFR Mild decrease in GFR	LS: han creatini ut of extrac blood). due to tubu to creatini e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met <u>hL/min/1.73m2) >90 >90 290</u>	hodologies,r ASSOCIA No p Presenc	TED FINDINGS roteinuria e of Protein ,		n dehydratic
Reduced muscle m Certain drugs (e.g. ICREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2	(e.g. ureter consists (subnormater tetracycline, generation) (subnormater tetracycline, generation) (subnormater tetracycline) (subnormate	lostomy) I creatinine production lucocorticoids) VATED CREATININE LEVE proportionately more t on renal disease. REASED BUN : an creatinine diffuses of ea is virtually absent in antidiuretic harmone) REASED CREATININE: s conversion of creatine e creatinine). enal failure. te causes false increase reatinine ratio). with creatinine measu DN RATE: DESCRIPTION ormal kidney function (idney damage with normal or high GER	LS: han creatini ut of extrac blood). due to tubu to creatini e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90 >90	hodologies,r ASSOCIA No p Presenc	TED FINDINGS roteinuria e of Protein ,		n dehydratic



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









	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mr. IMTIAZ ALI		
AGE/ GENDER	: 49 YRS/MALE	PATIENT ID	: 1535838
COLLECTED BY	:	REG. NO./LAB NO.	: 012409020005
REFERRED BY	:	REGISTRATION DATE	: 02/Sep/2024 07:17 AM
BARCODE NO.	: 01516138	COLLECTION DATE	: 02/Sep/2024 07:22AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 02/Sep/2024 09:37AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Г	
Test Name	Value	Unit	Biological Reference interval

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated



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MBBS, MD (PATHOLOGY)

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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 02/Sep/2024 09:47AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PATHO	OLOGY		
	URINE R	OUTINE & MICROSCO	OPIC EXAMINAT	TION	
PHYSICAL EXAMINA	TION				
QUANTITY RECIEVED)	10	ml		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
COLOUR		AMBER YELLOW		PALE YELLOW	
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR	
	TANCE SPECTROPHOTOMETRY	OLL/ III			
SPECIFIC GRAVITY		1.01		1.002 - 1.030	
CHEMICAL EXAMINA	TANCE SPECTROPHOTOMETRY				
REACTION		ACIDIC			
	TANCE SPECTROPHOTOMETRY	ACIDIC			
PROTEIN		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC SUGAR	TANCE SPECTROPHOTOMETRY	Nogativo		NEGATIVE (-ve)	
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
рН		6		5.0 - 7.5	
	TANCE SPECTROPHOTOMETRY	Negative			
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
NITRITE		Negative		NEGATIVE (-ve)	
,	TANCE SPECTROPHOTOMETRY.	N lo mus - l	E11 /-11	0.2.10	
UROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
•	TANCE SPECTROPHOTOMETRY				
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NEGATIVE (-ve)		NEGATIVE (-ve)	
MICROSCOPIC EXAN	<u>IINATION</u>				

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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
			(1) DE	ADOGNIT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS	2-3	/HPF	0 - 5
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
EPITHELIAL CELLS	0-2	/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		ADJEINT
by MICKOSCOFT ON CENTRIFUGED URINARY SEDIMENT			

*** End Of Report ***





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