



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	۲	am Chopra 1D (Pathology) ant Pathologist	
NAME	: Mr. RAMESH				
AGE/ GENDER	: 49 YRS/MALE		PATIENT ID	: 165197	77
COLLECTED BY	:		REG. NO./LAB NO.	:01241	10240008
REFERRED BY	:		REGISTRATION DATE	: 24/Oct	t/2024 08:15 AM
BARCODE NO.	: 01519457		COLLECTION DATE	:24/Oct	z/2024 08:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 24/Oct	t/2024 09:03AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT			
Test Name		Value	Unit		Biological Reference interval
	SM/A STI	HVA WE	LLNESS PANEL: 1	10	
			OOD COUNT (CBC)		
RED BLOOD CELLS	(RBCS) COUNT AND INDICES	LEIEDL			
HAEMOGLOBIN (HE		14.2	gm/dl	[.	12.0 - 17.0
by CALORIMETRIC			Ű		
RED BLOOD CELL (I	RBC) COUNT	4.95	Million	ns/cmm	3.50 - 5.00
PACKED CELL VOLU	ME (PCV)	44.2	%		40.0 - 54.0
MEAN CORPUSCULA	JTOMATED HEMATOLOGY ANALYZER AR VOLUME (MCV) JTOMATED HEMATOLOGY ANALYZER	89.2	fL		80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) JTOMATED HEMATOLOGY ANALYZER	28.7	pg		27.0 - 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	32.1	g/dL		32.0 - 36.0
RED CELL DISTRIBU	JTION WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	14	%		11.00 - 16.00
RED CELL DISTRIBU	JTION WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	46.8	fL		35.0 - 56.0
MENTZERS INDEX		18.02	RATIC)	BETA THALASSEMIA TRAIT: <
by CALCULATED					13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND	EX	25.24	RATIC)	BETA THALASSEMIA TRAIT:<= 65.0
2, 0.1200211122					IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CEI	LS (WBCS)				00.0
TOTAL LEUCOCYTE		7340	/cmm		4000 - 11000
NUCLEATED RED B	LOOD CELLS (nRBCS) T HEMATOLOGY ANALYZER	NIL			0.00 - 20.00
NUCLEATED RED B	LOOD CELLS (nRBCS) % JTOMATED HEMATOLOGY ANALYZER	NIL	%		< 10 %





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



NAME

AGE/ GENDER

COLLECTED BY

REFERRED BY

BARCODE NO.

CLIENT CODE.

CLIENT ADDRESS



PATIENT ID



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist : Mr. RAMESH : 49 YRS/MALE :01519457 : KOS DIAGNOSTIC LAB

: 6349/1, NICHOLSON ROAD, AMBALA CANTT

Dr. Yugam Chopra MD (Pathology) **CEO & Consultant Pathologist**

:1651977 :012410240008 REG. NO./LAB NO. **REGISTRATION DATE** : 24/Oct/2024 08:15 AM **COLLECTION DATE** : 24/Oct/2024 08:55AM **REPORTING DATE** : 24/Oct/2024 09:03AM

Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 46^L % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 45^H LYMPHOCYTES % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 7 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 3376 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 3303 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 147 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 514 /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) 150000 - 450000 251000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.3 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 101000^H 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 40.211.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.1% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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

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Test Name	Val	lue Unit	Biological Reference interval



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	MD (Pathol	y Chopra logy & Microbiology) & Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 24/Oct/2024 09:22AM
CLIENT ADDRESS	: 6349/1, NICHOLSON R	OAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
as C-reactive protein 3. This test may also systemic lupus erythe CONDITION WITH LOY A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected	be used to monitor disease ematosus WESR n with conditions that inhit nificantly high white blood of e cell anaemia) also lower e protein (C-RP) are both m is not change as rapidly as of by as many other factors as	e activity and response to ther bit the normal sedimentation cell count (leucocytosis), and the ESR. markers of inflammation. does CRP, either at the start o s is ESR, making it a better man	apy in both of the a of red blood cells, si some protein abno f inflammation or as	picallý used in conjunctión with other test such above diseases as well as some others, such as uch as a high red blood cell count ormalities. Some changes in red cell shape (such s it resolves. n.
b. Women tend to ha b. Drugs such as dext	ve a higher ESR, and menst	two types of proteins, globuli ruation and pregnancy can cau traceptives, penicillamine proc	use temporary eleva	ations. Iline, and vitamin A can increase ESR, while





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		Chopra / & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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BARCODE NO.	: 01519457	COLLI	ECTION DATE	: 24/Oct/2024 08:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 24/Oct/2024 09:50AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY/	BIOCHEMIST	RY
	CLIN	ICAL CHEMISTRY/ GLUCOSE FAST		'nRY

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. 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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





AME : Mr. RAMESH GE/ GENDER : 49 YRS/MALE			Pathologist
GE/ GENDER : 49 YRS/MALE			
		PATIENT ID	: 1651977
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LIENT ADDRESS : 6349/1, NICHOLSON R	OAD, AMBALA CANTT		
est Name	Value	Unit	Biological Reference interval
)FILE : BASIC	
IOLESTEDOL TOTAL SEDUM	197.72		OPTIMAL: < 200.0
HOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP	197.72	mg/dL	BORDERLINE HIGH: 200.0 -
			239.0
			HIGH CHOLESTEROL: > OR = 240.0
RIGLYCERIDES: SERUM	129.87	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
			199.0 HIGH: 200.0 - 499.0
			VERY HIGH: $> OR = 500.0$
DL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION	35.53	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
			60.0
			HIGH HDL: $> OR = 60.0$
DL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY	136.22 ^H	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.
			BORDERLINE HIGH: 130.0 -
			159.0 HIGH: 160.0 - 189.0
			VERY HIGH: $> OR = 190.0$
ON HDL CHOLESTEROL: SERUM	162.19 ^H	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPECTROPHOTOMETRY			ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 -
			189.0
			HIGH: 190.0 - 219.0
LDL CHOLESTEROL: SERUM	25.97	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPECTROPHOTOMETRY			
OTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETRY	525.31	mg/dL	350.00 - 700.00
HOLESTEROL/HDL RATIO: SERUM	5.56 ^H	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPECTROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0
			HIGH RISK: > 11.0



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		3.83 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		3.66	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available

4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Dr. Yugam Chopra

	MD (Pathology & Mic Chairman & Consulta		MD (CEO & Consultant	(Pathology) Pathologist
NAME	: Mr. RAMESH			
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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SH	: SERUM PECTROPHOTOMETRY	0.88	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.23	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.65	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	56.54 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	98.51 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.57	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	IATASE: SERUM yl phosphatase by amino methyl	69.72	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM	50.77	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.11	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	3.94	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		3.17	gm/dL	2.30 - 3.50
A : G RATIO: SERUN by CALCULATED, SPE		1.24	RATIO	1.00 - 2.00

Dr. Vinay Chopra

INTERPRETATION

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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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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CLIENT ADDRESS : 6349/1	, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interv
	KIDNE	Y FUNCTION 1	TEST (COMPLETE)	
UREA: SERUM		24.48	mg/dL	10.00 - 50.00
by UREASE - GLUTAMATE DEHYDI	ROGENASE (GLDH)		Ű	10.00 00.00
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTON	IETERY	1.21	mg/dL	0.40 - 1.40
BLOOD UREA NITROGEN (BU		11.44	mg/dL	7.0 - 25.0
by CALCULATED, SPECTROPHOTO			DATIO	10.0 00.0
BLOOD UREA NITROGEN (BU RATIO: SERUM	JIN)/ CREATININE	9.45 ^L	RATIO	10.0 - 20.0
by CALCULATED, SPECTROPHOT				
UREA/CREATININE RATIO: S by CALCULATED, SPECTROPHOTO		20.23	RATIO	
URIC ACID: SERUM		9.22 ^H	mg/dL	3.60 - 7.70
by URICASE - OXIDASE PEROXIDA CALCIUM: SERUM	SE	10.08	mg/dL	8.50 - 10.60
by ARSENAZO III, SPECTROPHOTO	DMETRY	10.08	liig/ uL	8.30 - 10.00
PHOSPHOROUS: SERUM		3.2	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBDATE, SPECT ELECTROLYTES	ROPHOTOMETRY			
SODIUM: SERUM		141.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE ELECTRO	DE)			
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTROL	DE)	4.21	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTROL		106.13	mmol/L	90.0 - 110.0
ESTIMATED GLOMERULAR	FILTERATION RATE			
ESTIMATED GLOMERULAR F (eGFR): SERUM by CALCULATED INTERPRETATION:	ILTERATION RATE	73.4		

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.



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CLIENT CODE.								
	: KOS DIAGNO			REPORTING DATE	2 : 24	/Oct/2024 09:	:50AM	
CLIENT ADDRESS	: 6349/1, NICF	IOLSON ROAD, AMBA	ALA CANTT					
Test Name			Value	Uni	it	Biologic	cal Reference	ce interval
 Postrenal azotemia Prerenal azotemia DECREASED RATIO (Acute tubular necr Low protein diet and 	a (BUN rises dispr superimposed o 10:1) WITH DECRE osis. nd starvation.			ne) (e.g. obstructive	e uropathy).			
Postrenal azotemia Prerenal azotemia Pecreased RATIO (< Acute tubular necr Low protein diet an Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. Pregnancy. Pecreased RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thera STIMATED GLOMERI CKD STAGE G1	a (BUN rises dispr superimposed o IO:1) WITH DECRE osis. Ind starvation. e. creased urea syr (urea rather than monemias (urea of inappropiate a IO:1) WITH INCRE py (accelerates of eleases muscle of who develop rer sis (acetoacetate creased BUN/cre rapy (interferes w JLAR FILTERATION North	Ased Creatinine diffuses of is virtually absent in ntidiuretic harmone) of creatinine diffuses of ased Creatine for the second s	han creatini ut of extrac blood). due to tubu to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90	hodologies,re ASSOCIAT No pr	ED FINDINGS oteinuria	mal ratio whe	en dehydraf
Postrenal azotemia Prerenal azotemia CREASED RATIO (< Acute tubular necr Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. Peregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in SETIMATED GLOMERL CKD STAGE	(BUN rises dispr superimposed o IO:1) WITH DECRE osis. nd starvation. e. creased urea syr (urea rather than monemias (urea of inappropiate a for the system for the system (urea rather than monemias (urea of inappropiate a for the system (urea rather than monemias (urea of inappropiate a for the system for the syste	Ased Creatinine diffuses of is virtually absent in nitidiuretic harmone) of Ased Creatinine diffuses of is virtually absent in nitidiuretic harmone) of Ased Creatinine failure. Ased Creatinine diffuses of creatine reatinine). Table Creatine failure. Aseauses faise increase eatinine ratio). vith creatinine measure of the creatine of the creatine measure of the creatine of the creatine measure of the creatine	han creatini ut of extrac blood). due to tubu to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met	hodologies,re ASSOCIAT No pr Presence	ED FINDINGS toteinuria of Protein ,	mal ratio whe	en dehydraf
Postrenal azotemia Prerenal azotemia CREASED RATIO (< Acute tubular necr Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	(BUN rises dispr superimposed o IO:1) WITH DECRE osis. nd starvation. e. creased urea syr (urea rather than monemias (urea of inappropiate a for inappropiate	Ased Creatinine diffuses of is virtually absent in ntidiuretic harmone) of creatinine diffuses of ased Creatine for the second s	han creatini ut of extrac blood). due to tubu to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90	hodologies,re ASSOCIAT No pr Presence	ED FINDINGS oteinuria	mal ratio whe	en dehydraf
Postrenal azotemia Prerenal azotemia CEREASED RATIO (< Acute tubular necr Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL G1 G2 G3a G3a G3b	a (BUN rises dispr superimposed o IO:1) WITH DECRE osis. Ind starvation. e. creased urea syr (urea rather than monemias (urea of inappropiate a IO:1) WITH INCRE py (accelerates c eleases muscle c who develop rer sis (acetoacetate creased BUN/cre apy (interferes w JLAR FILTERATION Norm Norm Kic no	ASED BUN : ASED BUN : ASED BUN : ASED BUN : ASED BUN : Creatinine diffuses o is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). hal failure. ASED CREATININE: onversion of creatine reatinine ratio). //th creatinine measure NATE: DESCRIPTION mal kidney function Iney damage with ormal or high GFR d decrease in GFR arate decrease in GFR	han creatini ut of extrac blood). due to tubu to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met <u>hL/min/1.73m2)</u> >90 >90 <u>60 -89</u> 30-59	hodologies,re ASSOCIAT No pr Presence	ED FINDINGS toteinuria of Protein ,	mal ratio whe	en dehydraf
Postrenal azotemia Prerenal azotemia Cecreased RATIO (< Acute tubular necr Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of SIADH (syndrome of SIADH (syndrome of SIADH syndrome of SIADH syndrom SIADH syndr	a (BUN rises dispr superimposed o IO:1) WITH DECRE osis. Ind starvation. e. creased urea syr (urea rather than monemias (urea of inappropiate a IO:1) WITH INCRE py (accelerates c eleases muscle c who develop rer sis (acetoacetate creased BUN/cre apy (interferes w JLAR FILTERATION Norm Norm Kic no	Ased Creatinine diffuses of is virtually absent in nitidiuretic harmone) of Ased Creatinine diffuses of is virtually absent in nitidiuretic harmone) of Ased Creatine harmone) of Ased Creatinine failure. Ased Creatinine diffuses of creatine reatinine). Tal failure. Aseauses false increase eatinine ratio). <i>v</i> ith creatinine measure of the creatinine measure of the creatinine measure of the creatine measure of the creatine of the create of the cre	han creatini ut of extrac blood). due to tubu to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met <u>hL/min/1.73m2) >90 >90 60 -89</u>	hodologies,re ASSOCIAT No pr Presence	ED FINDINGS toteinuria of Protein ,	mal ratio whe	en dehydraf





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

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Test Name		Value Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA UANTI	
CLIENT ADDRECC	2040/1 NICHOLCON DOAD AMD	AT A CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 24/Oct/2024 09:50AM
BARCODE NO.	: 01519457	COLLECTION DATE	: 24/Oct/2024 08:55AM
REFERRED BY	:	REGISTRATION DATE	: 24/Oct/2024 08:15 AM
COLLECTED BY	:	REG. NO./LAB NO.	: 012410240008
AGE/ GENDER	: 49 YRS/MALE	PATIENT ID	: 1651977
NAME	: Mr. RAMESH		
	MD (Pathology & Micr Chairman & Consultar		D (Pathology) nt Pathologist
	Dr. Vinay Chopr		m 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





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	ogy & Microbiology)	Dr. Yugan MD EO & Consultant	(Pathology)	
NAME : Mr. RAMESH				
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BARCODE NO. : 01519457	COLLECT	ION DATE	: 24/Oct/2024 08:55AM	
CLIENT CODE. : KOS DIAGNOSTIC LAB	REPORT	NG DATE	: 24/Oct/2024 09:56AM	
CLIENT ADDRESS : 6349/1, NICHOLSON RO	AD, AMBALA CANTT			
Test Name	Value	Unit	Biological Reference interval	
	CLINICAL PATHO	IOCV		
			TION	
	ROUTINE & MICROSCO	PIC EXAMIN	ATION	
PHYSICAL EXAMINATION	10			
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	10	ml		
COLOUR	AMBER YELLOW		PALE YELLOW	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY	HAZY		CLEAR	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	/			
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	<=1.005		1.002 - 1.030	
CHEMICAL EXAMINATION				
REACTION	ACIDIC			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	/			
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
pH	<=5.0		5.0 - 7.5	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN			NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
NITRITE	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY UROBILINOGEN	Normal	EU/dL	0.2 - 1.0	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
BLOOD	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID	NEGATIVE (-ve)		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
MICROSCOPIC EXAMINATION		/****		
RED BLOOD CELLS (RBCs)	NEGATIVE (-ve)	/HPF	0 - 3	

57

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

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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

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

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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 24/Oct/2024 09:56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		1-3	/HPF	0 - 5

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	0-2	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT





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	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
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Test Name	Value	e Unit	Biological Reference interval

*** End Of Report ***



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

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