



	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultar	obiology)		) (Pathology)	
NAME	: Mr. ANUP MATHUR				
AGE/ GENDER	: 56 YRS/MALE		PATIENT ID	: 1672588	
COLLECTED BY	:		REG. NO./LAB NO.	:012411150010	
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 15/Nov/2024 09:38 AM	
BARCODE NO.	: 01520826		COLLECTION DATE	: 15/Nov/2024 09:42AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 15/Nov/2024 10:08AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT			
Test Name		Value	Unit	Biological Reference inte	rval
	SWAST	HYA WE	LLNESS PANEL: 1.0	0	
	COMP	LETE BL	OOD COUNT (CBC)		
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (H	B)	15.2	gm/dL	12.0 - 17.0	
RED BLOOD CELL (	RBC) COUNT	5.72 <sup>H</sup>	Millions/	./cmm 3.50 - 5.00	
PACKED CELL VOLU	UME (PCV) UTOMATED HEMATOLOGY ANALYZER	48.3	%	40.0 - 54.0	
MEAN CORPUSCUL	AR VOLUME (MCV) utomated hematology analyzer	84.4	fL	80.0 - 100.0	
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	26.5 <sup>L</sup>	pg	27.0 - 34.0	
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	31.5 <sup>L</sup>	g/dL	32.0 - 36.0	
	UTION WIDTH (RDW-CV) utomated hematology analyzer	14.5	%	11.00 - 16.00	
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	45.9	fL	35.0 - 56.0	
MENTZERS INDEX by CALCULATED		14.76	RATIO	BETA THALASSEMIA TR/ 13.0 IRON DEFICIENCY ANEM >13.0	
GREEN & KING INI by CALCULATED	DEX	21.34	RATIO	BETA THALASSEMIA TR/ 65.0 IRON DEFICIENCY ANEM 65.0	
WHITE BLOOD CE					
TOTAL LEUCOCYTE	E COUNT (TLC) ( by sf cube & microscopy	6810	/cmm	4000 - 11000	
NUCLEATED RED E	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00	
	BLOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %	





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Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. ANUP MATHUR AGE/ GENDER : 56 YRS/MALE **PATIENT ID** :1672588 **COLLECTED BY** REG. NO./LAB NO. :012411150010 **REFERRED BY REGISTRATION DATE** : 15/Nov/2024 09:38 AM **BARCODE NO.** :01520826 **COLLECTION DATE** :15/Nov/2024 09:42AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 15/Nov/2024 10:08AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 55 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 35 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 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 3746 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2384 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 136 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 545 /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 225000 /cmm

Dr. Vinay Chopra

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.24 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) fL 11 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 71000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 31.4 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.7% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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0.10 - 0.36

6.50 - 12.0

11.0 - 45.0

15.0 - 17.0

30000 - 90000





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD (Patho	ay Chopra blogy & Microbiology) & Consultant Pathologist	Dr. Yugam ( MD (F CEO & Consultant P	Pathology)
AME	: Mr. ANUP MATHUR			
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IENT ADDRESS	: 6349/1, NICHOLSON R	ROAD, AMBALA CANTT		
est Name		Value	Unit	Biological Reference interval
s C-reactive protein This test may also vstemic lupus eryth <b>DNDITION WITH LO</b> low ESR can be see volycythaemia), sigr s sickle cells in sickl <b>OTE:</b> ESR and C - reactiv Generally, ESR doe <b>CRP is not affected</b>	be used to monitor disease ematosus W ESR n with conditions that inhi nificantly high white blood e cell anaemia) also lower e protein (C-RP) are both n is not change as rapidly as by as many other factors a	e activity and response to thera ibit the normal sedimentation of cell count (leucocytosis) , and r the ESR.	apy in both of the abo of red blood cells, suc some protein abnorn f inflammation or as i <b>ker of inflammation</b> .	icallý used in conjunction with other test such ove diseases as well as some others, such as ch as a high red blood cell count malities. Some changes in red cell shape (sucl it resolves.
Women tend to ha Drugs such as dext	ve a higher ESR, and mensi	truation and pregnancy can cau traceptives, penicillamine proc	use temporary elevati	ions. ine, and vitamin A can increase ESR, while





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Page 4 of 14





		& Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMISTR	Y/BIOCHEMIST	'nY
		<b>GLUCOSE FA</b>	STING (F)	

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

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.

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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Page 5 of 14



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LIENT ADDRESS	: 6349/1, NICHOLSON ROAI	), AMBALA CANTT		
Fest Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TO	TAL: SFRUM	189.23	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		100.20	ing, di	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
FRIGLYCERIDES: S by GLYCEROL PHOSP	ERUM PHATE OXIDASE (ENZYMATIC)	94.27	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
IDL CHOLESTERO	L (DIRECT): SERUM	35.23	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROI by CALCULATED, SPE		135.15 <sup>H</sup>	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
NON HDL CHOLEST by calculated, spe		154 <sup>H</sup>	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER		18.85	mg/dL	0.00 - 45.00
by CALCULATED, SPE FOTAL LIPIDS: SER by CALCULATED, SPE	RUM	472.73	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	DL RATIO: SERUM	5.37 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		3.84 <sup>H</sup>	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.68 <sup>L</sup>	RATIO	3.00 - 5.00

## **INTERPRETATION:**

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

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

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

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





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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION	N TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.42	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.09	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM	0.33	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	27.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	38	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.72	RATIO	0.00 - 46.00
ALKALINE PHOSPI by para nitrophen propanol	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	101.34	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM PHTOMETRY	22.02	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.22	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.2	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	Λ	3.02	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.39	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

## **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:

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)





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Test Name		Value	Unit Biological Reference inter

Test Name	Value	Unit	<b>Biological Reference interval</b>

## **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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Test Name		Value	Unit	Biological Reference interval	
	KIDN	EY FUNCTIO	N TEST (COMPLETE)	)	
UREA: SERUM		27.67	mg/dL	10.00 - 50.00	
by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)		1 1 5	ma /dI	0.40 - 1.40	
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		1.15	mg/dL	0.40 - 1.40	
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		12.93	mg/dL	7.0 - 25.0	
-	ROGEN (BUN)/CREATININE	11.24	RATIO	10.0 - 20.0	
RATIO: SERUM					
UREA/CREATININ	ECTROPHOTOMETRY E RATIO: SERUM	24.06	RATIO		
by CALCULATED, SPI	ECTROPHOTOMETRY				
URIC ACID: SERUN by URICASE - OXIDAS		5.07	mg/dL	3.60 - 7.70	
CALCIUM: SERUM		10.31	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE PHOSPHOROUS: SI		3.15	mg/dL	2.30 - 4.70	
	DATE, SPECTROPHOTOMETRY	5.15	ilig/ uL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM		142.5	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM		4.69	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIVE ELECTRODE)				00.0 110.0	
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)		106.88	mmol/L	90.0 - 110.0	
	IERULAR FILTERATION RATE				
	ERULAR FILTERATION RATE	74.7			
(eGFR): SERUM					
INTERPRETATION:					
To differentiate betw					

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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	٨	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) st CEO & Consultant Pathologist				
IAME	: Mr. ANUP MA	ATHUR						
GE/ GENDER	: 56 YRS/MALF	: 56 YRS/MALE		<b>PATIENT ID</b> : 167258		72588	8	
OLLECTED BY	:			REG. NO./LAB NO. : 01241115		2411150010	0010	
EFERRED BY			R	EGISTRATION D	ATE 15	: 15/Nov/2024 09:38 AM : 15/Nov/2024 09:42AM		
ARCODE NO.	: 01520826			DLLECTION DAT				
LIENT CODE.								
				EPORTING DATI	E : 15.	: 15/Nov/2024 11:27AM		
LIENT ADDRESS	: 6349/1, NICE	IOLSON ROAD, AMBA	ALA CANTT					
Fest Name			Value	Un	it	Biologica	al Referenc	e interval
. Postrenal azotemia	a (BUN rises dispr	TED CREATININE LEVE oportionately more t		) (e.g. obstructive	e uropathy).			
Postrenal azotemia     Prerenal azotemia     CREASED RATIO (<1     Acute tubular necro     Low protein diet ar     Severe liver disease     Other causes of der     Severe liver disease     Other causes of der     SIADH (syndrome o     Pregnancy.     PECREASED RATIO (<1     Phenacimide thera     Rhabdomyolysis (re     NAPPROPIATE RATIO     Diabetic ketoacido	(BUN rises dispr superimposed or superimposed or superimposed or superimposed or superimposed or or (0:1) WITH DECRE or (0:1) WITH INCRE py (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/cre apy (interferes w JLAR FILTERATION Norr Kic	apportionately more to a renal disease. <b>EASED BUN :</b> thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. e causes false increase reatinine ratio). vith creatinine measu <b>J RATE:</b> <b>DESCRIPTION</b> nal kidney function Iney damage with	han creatinine but of extracell blood). due to tubular e to creatinine) e in creatinine rement).	ular fluid). secretion of urea	a. hodologies,re ASSOCIAT No pro Presence	ED FINDINGS oteinuria of Protein ,	nal ratio whe	en dehydrat
Postrenal azotemia     Prerenal azotemia     Prerenal azotemia     Prerenal azotemia     Prerenal azotemia     Prerenal azotemia     Severe liver disease     Other causes of dei     Repeated dialysis (     Inherited hyperami     SIADH (syndrome o     Pregnancy.     Pregnancy.     PrecREASED RATIO (<1         Phenacimide thera         Rhabdomyolysis (re         Muscular patients         NAPPROPIATE RATIO         Diabetic ketoacido:     hould produce an ind         Cephalosporin ther         STIMATED GLOMERU         G1         G2	(BUN rises dispr superimposed or superimposed or i0:1) WITH DECRE osis. ad starvation. e. creased urea syn urea rather than monemias (urea of inappropiate an inappropiate an in	apportionately more to a renal disease. <b>EASED BUN :</b> thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. e causes false increase reatinine ratio). vith creatinine measu <b>J RATE:</b> <b>DESCRIPTION</b> nal kidney function liney damage with ormal or high GFR_	han creatinine but of extracell blood). due to tubular e to creatinine) e in creatinine rement). GFR ( mL/	ular fluid). secretion of urea with certain met <u>'min/1.73m2 )</u> >90 >90	a. hodologies,re ASSOCIAT No pro Presence	ED FINDINGS oteinuria	nal ratio whe	en dehydrat
. Postrenal azotemia . Prerenal azotemia <b>ECREASED RATIO (&lt;1</b> . Acute tubular necro . Low protein diet ar . Severe liver disease . Other causes of der . Repeated dialysis ( . Inherited hyperami . SIADH (syndrome o . Pregnancy. <b>ECREASED RATIO (&lt;1</b> . Phenacimide thera . Rhabdomyolysis (re . Muscular patients <b>NAPPROPIATE RATIO</b> . Diabetic ketoacido hould produce an ind . Cephalosporin ther <u>STIMATED GLOMERU</u> <u>G1</u> <u>G2</u> <u>G3a</u>	a (BUN rises dispr superimposed or superimposed or lo:1) WITH DECRE osis. ad starvation. e. creased urea syn urea rather than monemias (urea of inappropiate an of inappropiate an lo:1) WITH INCRE. py (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/cre apy (interferes w JLAR FILTERATION Norr Norr Kic no	apportionately more to a renal disease. <b>EASED BUN :</b> thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. e causes false increase vatinine ratio). <i>i</i> th creatinine measu <b>J RATE:</b> <b>DESCRIPTION</b> mal kidney function Iney damage with urmal or high GFR d decrease in GFR	han creatinine but of extracell blood). due to tubular e to creatinine) e in creatinine rement). GFR ( mL/	ular fluid). secretion of urea with certain met <u>min/1.73m2 )</u> >90 >90	a. hodologies,re ASSOCIAT No pro Presence	ED FINDINGS oteinuria of Protein ,	nal ratio whe	en dehydrat
. Postrenal azotemia Prerenal azotemia ECREASED RATIO (<1 . Acute tubular necro . Low protein diet ar . Severe liver disease . Other causes of de . Repeated dialysis ( . Inherited hyperami . SIADH (syndrome o . Pregnancy. ECREASED RATIO (<1 . Phenacimide thera . Rhabdomyolysis (re . Muscular patients NAPPROPIATE RATIO . Diabetic ketoacido hould produce an ind . Cephalosporin ther STIMATED GLOMERU CKD STAGE G1 G2	a (BUN rises dispr superimposed or superimposed or lo:1) WITH DECRE osis. ad starvation. e. creased urea syn urea rather than monemias (urea of inappropiate an of inappropiate an lo:1) WITH INCRE. py (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/cre apy (interferes w UAR FILTERATION Norr Kic no Mill Mode	apportionately more to a renal disease. <b>EASED BUN :</b> thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. e causes false increase reatinine ratio). vith creatinine measu <b>J RATE:</b> <b>DESCRIPTION</b> nal kidney function liney damage with ormal or high GFR_	han creatinine but of extracell blood). due to tubular e to creatinine) e in creatinine rement). GFR (mL/	ular fluid). secretion of urea with certain met <u>'min/1.73m2 )</u> >90 >90	a. hodologies,re ASSOCIAT No pro Presence	ED FINDINGS oteinuria of Protein ,	nal ratio whe	en dehydrat



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

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









	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbi Chairman & Consultant P	ology) ME	m <b>Chopra</b> D (Pathology) ht Pathologist
NAME	: Mr. ANUP MATHUR		
AGE/ GENDER	: 56 YRS/MALE	PATIENT ID	: 1672588
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012411150010
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 15/Nov/2024 09:38 AM
BARCODE NO.	: 01520826	<b>COLLECTION DATE</b>	: 15/Nov/2024 09:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 15/Nov/2024 11:27AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	A CANTT	
Test Name	Va	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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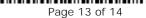
	<b>Dr. Vinay Ch</b> e MD (Pathology & Chairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)			
NAME : Mr.	ANUP MATHUR						
AGE/ GENDER : 56 Y	RS/MALE	PATIE	NT ID	: 1672588			
<b>COLLECTED BY</b> :		REG. N	O./LAB NO.	: 012411150010			
<b>REFERRED BY</b> :		REGIS	TRATION DATE	: 15/Nov/2024 09:38 AM			
<b>BARCODE NO.</b> : 0152			CTION DATE	: 15/Nov/2024 09:42AM			
	DIAGNOSTIC LAB		RTING DATE	: 15/Nov/2024 10:50AM			
CLIENT ADDRESS : 6349	CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT						
Test Name		Value	Unit	<b>Biological Reference interval</b>			
		CLINICAL PATI	HOLOGY				
	URINE RO	UTINE & MICROSC		ATION			
PHYSICAL EXAMINATION		e inte a michobe		lion			
QUANTITY RECIEVED		10	ml				
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	AMDED VELLOU	V.	PALE YELLOW			
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	AMBER YELLOW CLEAR 1.01		PALE TELLOW			
TRANSPARANCY by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY			CLEAR 1.002 - 1.030			
SPECIFIC GRAVITY							
by DIP STICK/REFLECTANCE S CHEMICAL EXAMINATIO							
REACTION	<u>IN</u>	ACIDIC					
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY						
PROTEIN by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
SUGAR		Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	<=5.0		5.0 - 7.5			
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY						
BILIRUBIN by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
NITRITE		Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE S UROBILINOGEN	PECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0			
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY						
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)			
BLOOD	BLOOD			NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE S							
MICROSCOPIC EXAMINA RED BLOOD CELLS (RBCs)		NEGATIVE (-ve)	/HPF	0 - 3			
UPCOD CEFFO (UDC2)	,	NEGATIVE (-VE)	/ 111 1	0-0			



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

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANT	T	
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON O	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		2-3	/HPF	0 - 5

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	~ 0	,	0 0
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/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

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



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

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