

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar		obiology)	Dr. Yugam MD (F CEO & Consultant F	Pathology)
NAME	: Mr. MOHINDER KUMAR			
AGE/ GENDER	: 60 YRS/MALE	PAT	FIENT ID	: 1702154
COLLECTED BY	:	REC	G. NO./LAB NO.	: 012412180004
REFERRED BY	:		GISTRATION DATE	: 18/Dec/2024 07:47 AM
BARCODE NO.	: 01522603		LECTION DATE	: 18/Dec/2024 07:56AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB/		PORTING DATE	: 18/Dec/2024 08:54AM
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWASTI	HYA WELLI	NESS PANEL: 1.0	
	COMP	LETE BLOO	D COUNT (CBC)	
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H		14.1	gm/dL	12.0 - 17.0
RED BLOOD CELL (		4.82	Millions/c	mm 3.50 - 5.00
ACKED CELL VOLU		44.1	%	40.0 - 54.0
MEAN CORPUSCUL	utomated hematology analyzer AR VOLUME (MCV)	91.5	fL	80.0 - 100.0
MEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	29.2	pg	27.0 - 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC)	31.9 <sup>L</sup>	g/dL	32.0 - 36.0
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV)	14.1	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	48.4	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
MENTZERS INDEX by CALCULATED		18.98	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI	DEX	26.72	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE				
FOTAL LEUCOCYTE	E COUNT (TLC) y by sf cube & microscopy	5570	/cmm	4000 - 11000
ULCI EATED DED E	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
by AUTOMATED 6 PA				





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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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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	62	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	28	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by SF cube & microscopy	3453	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1560	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	223	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	334	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	351000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.38 <sup>H</sup>	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	11	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	110000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	31.2	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.1	%	15.0 - 17.0



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



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	MD (Pathology & Mi Chairman & Consult		MD ( CEO & Consultant I	Pathology) Pathologist	
AME	: Mr. MOHINDER KUMAR				
GE/ GENDER	: 60 YRS/MALE	PATIE	INT ID	: 1702154	
OLLECTED BY	:	REG. N	IO./LAB NO.	:012412180004	
EFERRED BY	:	REGIS	TRATION DATE	: 18/Dec/2024 07:47 A	М
ARCODE NO.	: 01522603	COLLE	ECTION DATE	: 18/Dec/2024 07:56AM	Λ
LIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 18/Dec/2024 09:03AM	Λ
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT			
Test Name		Value	Unit	Biological Re	eference interval
RYTHROCYTE SEI	ERYTHRO( DIMENTATION RATE (ESR)	CYTE SEDIMENT 6	ATION RATE (E mm/1st h		
ystemic lupus erytho ONDITION WITH LOV I low ESR can be see polycythaemia), sigr s sickle cells in sickl IOTE: . ESR and C - reactiv . Generally, ESR doe . CRP is not affected . If the ESR is elevat . Women tend to ha . Drugs such as dext	be used to monitor disease activity a ematosus <b>N ESR</b> in with conditions that inhibit the no- ificantly high white blood cell coun- e cell anaemia) also lower the ESR. e protein (C-RP) are both markers of s not change as rapidly as does CRP <b>by as many other factors as is ESR, m</b> ed, it is typically a result of two type ve a higher ESR, and menstruation a ran, methyldopa, oral contraceptive d quinine may decrease it	ormal sedimentation ( t (leucocytosis) , and inflammation. , either at the start or <b>naking it a better mar</b> ss of proteins, globuli nd pregnancy can cau	of red blood cells, su some protein abnor f inflammation or as <b>'ker of inflammation.</b> ns or fibrinogen. use temporary elevat	ch as a high red blood cel malities. Some changes ir it resolves.	l count red cell shape (such





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	]	REPORTING DATE	: 18/Dec/2024 10:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMIST	RY/BIOCHEMIST	'RY
		GLUCOSE	FASTING (F)	
		93.91	mg/dL	NORMAL: < 100.0

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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
UAI ESTEDAL TA				OPTIMAL: < 200.0
CHOLESTEROL TO by CHOLESTEROL O		252.6 <sup>H</sup>	mg/dL	BORDERLINE HIGH: 200.0 -
				239.0
				HIGH CHOLESTEROL: > OR = 240.0
FRIGLYCERIDES: S	ERUM	142.88	mg/dL	0PTIMAL: < 150.0
by GLYCEROL PHOSPHATE OXIDA				BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
	L (DIRECT): SERUM	48.88	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBIT	TON			BORDERLINE HIGH HDL: 30.0
				60.0 HIGH HDL: > OR = 60.0
DL CHOLESTERO	L: SERUM	175.14 <sup>H</sup>	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	ECTROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129.
				BORDERLINE HIGH: 130.0 - 159.0
				HIGH: 160.0 - 189.0
ION HIDL CHOLDE			/ 17	VERY HIGH: $> OR = 190.0$
NON HDL CHOLES. by CALCULATED, SPE		203.72 <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
LDL CHOLESTER		28.58	mg/dL	0.00 - 45.00
by CALCULATED, SPE		648.08	mg/dL	350.00 - 700.00
by CALCULATED, SPE		040.00	iiig/ dL	330.00 - 700.00
CHOLESTEROL/HE		5.17 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	CIKUPHUIUMEIRY			AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0
				HIGH RISK: > 11.0
53863-0240 mil			0	
	Bar	l	hopra	

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Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		3.58 <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	2.92 <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	<b>Biological Reference interval</b>
	LIVER	FUNCTION	N TEST (COMPLETE)	
BILIRUBIN TOTAL: by DIAZOTIZATION, SF	SERUM PECTROPHOTOMETRY	1.34 <sup>H</sup>	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.27	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	1.07 <sup>H</sup>	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	27.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	31.7	U/L	0.00 - 49.00
AST/ALT RATIO: SI by CALCULATED, SPE		0.87	RATIO	0.00 - 46.00
ALKALINE PHOSPH by PARA NITROPHEN PROPANOL	IATASE: SERUM yl phosphatase by amino methyl	106.61	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM	17.88	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.14	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.29	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE		2.85	gm/dL	2.30 - 3.50
A : G RATIO: SERUN		1.51	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

**NOTE:** To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE: Differential diagnosis of diseases of hepatobiliary system and pancreas.

**INCREASED:** 

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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**INTERPRETATION** 





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## DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

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
	KIDNI	EV FUNCTION	TEST (COMPLETE)	
UREA: SERUM		24.43	mg/dL	10.00 - 50.00
	IATE DEHYDROGENASE (GLDH)	21.10	ing/ uL	10.00 00.00
CREATININE: SERU		0.97	mg/dL	0.40 - 1.40
	COGEN (BUN): SERUM	11.42	mg/dL	7.0 - 25.0
by CALCULATED, SPE	ECTROPHOTOMETRY	11.12		
	ROGEN (BUN)/CREATININE	11.77	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININI	E RATIO: SERUM	25.19	RATIO	
by CALCULATED, SPE		4.90	ma /dI	3.60 - 7.70
URIC ACID: SERUM by URICASE - OXIDAS		4.89	mg/dL	3.80 - 7.70
CALCIUM: SERUM		9.99	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SE		2.41	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	2.41	ilig/ uL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		139.4	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERUI		4.3	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	E ELECTRODE)			0.00 0.00
CHLORIDE: SERUM by ISE (ION SELECTIV		104.55	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	89.4		
(eGFR): SERUM				
by CALCULATED 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 glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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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







	ME	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) St CEO & Consultant Pathologist					
NAME	: Mr. MOHINDE	R KUMAR							
AGE/ GENDER	: 60 YRS/MALE		PAT	FIENT ID	:170	02154			
COLLECTED BY	:			REG. NO./LAB NO.		241218000	4		
REFERRED BY	•			<b>GISTRATION D</b>	<b>DATE</b> : 18/Dec/2024 07:47 AM				
BARCODE NO.	: 01522603			LECTION DATI					
						: 18/Dec/2024 07:56AM : 18/Dec/2024 12:15PM			
CLIENT CODE.	: KOS DIAGNOST			PORTING DATE	: 18,	/Dec/2024 12	2:15PM		
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT									
Test Name			Value	Uni	t	Biologie	cal Refere	ence inter	<b>al</b>
1. Postrenal azotemia	0:1) WITH ELEVATE (BUN rises disprop			(e.g. obstructive	uropathy).				
	0:1) WITH ELEVATE (BUN rises disprop superimposed on r 0:1) WITH DECREAS osis. Ind starvation. 2. creased urea synth urea rather than ci monemias (urea is of inappropiate anti 0:1) WITH INCREAS py (accelerates cor eleases muscle cre who develop renal : sis (acetoacetate c creased BUN/creat apy (interferes with ULAR FILTERATION F LAR FILTERATION F Norma	D CREATININE LEVEL portionately more the enal disease. SED BUN : reatinine diffuses ou virtually absent in be diuretic harmone) de ED CREATININE: noversion of creatine atinine). failure. auses false increase inine ratio). n creatinine measure ATE: ESCRIPTION I kidney function ey damage with	an creatinine) at of extracellul lood). ue to tubular so to creatinine). in creatinine w ement). GFR ( mL/m >	ar fluid). ecretion of urea	nodologies,re ASSOCIAT No pro Presence	ED FINDINGS oteinuria of Protein ,		vhen dehyc	rati
Postrenal azotemia     Prerenal azotemia     DECREASED RATIO (<         Acute tubular necr         Low protein diet ar         Severe liver disease         Other causes of de         Severe liver disease         Other causes of de         Repeated dialysis (         SIADH (syndrome of         SIADH (syndrome of         SIADH (syndrome of         SIADH (syndrome of         Severe)         Pregnancy.         DECREASED RATIO (<         Rhabdomyolysis (r         S. Muscular patients         NAPPROPIATE RATIO         Loiabetic ketoacido         should produce an in         2. Cephalosporin ther         STIMATED GLOMERL         G1         G2	0:1) WITH ELEVATE (BUN rises disprop superimposed on r 0:1) WITH DECREAS osis. Id starvation. 2. creased urea synth urea rather than ci monemias (urea is of inappropiate anti 0:1) WITH INCREAS py (accelerates cor eleases muscle cre who develop renal : sis (acetoacetate c creased BUN/creat apy (interferes with ULAR FILTERATION F Norma Kidne norm	D CREATININE LEVEL bortionately more the enal disease. SED BUN : reatinine diffuses ou virtually absent in be diuretic harmone) de ED CREATININE: oversion of creatine atinine). failure. auses false increase inine ratio). n creatinine measure ATE: ESCRIPTION I kidney function ey damage with nal or high GFR	an creatinine) at of extracellul lood). ue to tubular so to creatinine). in creatinine we ement). GFR ( mL/m >	ar fluid). ecretion of urea vith certain meth hin/1.73m2 ) 90 90	nodologies,re ASSOCIAT No pro Presence	ED FINDINGS		vhen dehyc	rati
<ol> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>Prerenal azotemia</li> <li>Prerenal azotemia</li> <li>Prezenal azotemia</li> <li>Acute tubular necr</li> <li>Low protein diet ar</li> <li>Severe liver disease</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>PCEREASED RATIO (</li> <li>Abadomyolysis (r</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>Should produce an in</li> <li>Cephalosporin ther</li> <li>ESTIMATED GLOMERI</li> <li>G1</li> <li>G2</li> </ol>	0:1) WITH ELEVATE (BUN rises disprop superimposed on r 0:1) WITH DECREAS osis. Id starvation. creased urea synth urea rather than cr monemias (urea is of inappropiate anti 0:1) WITH INCREAS py (accelerates cor eleases muscle cre who develop renal : sis (acetoacetate c creased BUN/creat apy (interferes with UAR FILTERATION FINANCE Norma Norma Nida	D CREATININE LEVEL portionately more the enal disease. SED BUN : reatinine diffuses ou virtually absent in be diuretic harmone) de ED CREATININE: nerestion of creatine atinine). failure. auses false increase inine ratio). nereatinine measure ATE: ESCRIPTION I kidney function ey damage with nal or high GFR decrease in GFR	an creatinine) It of extracellul lood). ue to tubular so to creatinine). in creatinine we ement). GFR (mL/m > 60	ar fluid). ecretion of urea /ith certain meth hin/1.73m2 ) 90 90 -89	nodologies,re ASSOCIAT No pro Presence	ED FINDINGS oteinuria of Protein ,		vhen dehyc	rati
1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE G1 G2	0:1) WITH ELEVATE (BUN rises disprop superimposed on r 0:1) WITH DECREAS osis. Id starvation. creased urea synth urea rather than cr monemias (urea is f inappropiate anti 0:1) WITH INCREAS py (accelerates cor eleases muscle cre who develop renal : sis (acetoacetate c creased BUN/creat apy (interferes with UAR FILTERATION F Norma Kidne norm Mild	D CREATININE LEVEL bortionately more the enal disease. SED BUN : reatinine diffuses ou virtually absent in be diuretic harmone) de ED CREATININE: oversion of creatine atinine). failure. auses false increase inine ratio). n creatinine measure ATE: ESCRIPTION I kidney function ey damage with nal or high GFR	an creatinine) an creatinine) it of extracellul lood). ue to tubular so to creatinine). in creatinine we ement). GFR (mL/m > 60 30	ar fluid). ecretion of urea vith certain meth hin/1.73m2 ) 90 90	nodologies,re ASSOCIAT No pro Presence	ED FINDINGS oteinuria of Protein ,		vhen dehyc	rati





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultar	robiology) MD	n Chopra D (Pathology) It Pathologist
NAME	: Mr. MOHINDER KUMAR		
AGE/ GENDER	: 60 YRS/MALE	PATIENT ID	: 1702154
COLLECTED BY	:	REG. NO./LAB NO.	: 012412180004
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 18/Dec/2024 07:47 AM
BARCODE NO.	: 01522603	COLLECTION DATE	: 18/Dec/2024 07:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 18/Dec/2024 12:15PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	
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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	NOSTIC LAB IICHOLSON ROAD, AMBA	<b>REPORTIN</b>	NG DATE	: 18/Dec/2024 09:55AM
<b>CLIENT ADDRESS</b> . 0349/1, N	IICHOLSON KOAD, AMIDA	LA CANTI		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CL	INICAL PATHO	LOGY	
	URINE ROUTIN	E & MICROSCOP	IC EXAMINA	ATION
PHYSICAL EXAMINATION				
QUANTITY RECIEVED		10	ml	
COLOUR		AMBER YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTF TRANSPARANCY		CLEAR		CLEAR
by DIP STICK/REFLECTANCE SPECTR SPECIFIC GRAVITY	ROPHOTOMETRY	1.01		1.002 - 1.030
by DIP STICK/REFLECTANCE SPECTR	ROPHOTOMETRY	1.01		1.002 - 1.000
CHEMICAL EXAMINATION				
REACTION by DIP STICK/REFLECTANCE SPECTF		ACIDIC		
PROTEIN by DIP STICK/REFLECTANCE SPECTF		Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTF pH		6		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTR	ROPHOTOMETRY			
BILIRUBIN by DIP STICK/REFLECTANCE SPECTF		Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTF UROBILINOGEN by DIP STICK/REFLECTANCE SPECTF		Normal	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE SPECTF		Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTF ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTF MICROSCOPIC EXAMINATION	ROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
RED BLOOD CELLS (RBCs)		NEGATIVE (-ve)	/HPF	0 - 3



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

i est maine	value	ome	Diological Meler ence inter var
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	3-4	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/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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