

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant		MD	n Chopra D (Pathology) It Pathologist	
AGE/ GENDER : 32 YF	<b>ANDEEP KUMAR</b> IS/MALE		PATIENT ID	: 1698843	
COLLECTED BY : REFERRED BY : BARCODE NO. : 0152:	2432		REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE	: 012412140016 : 14/Dec/2024 10:09 AM : 14/Dec/2024 10:12AM	
CLIENT CODE. : KOS I	DIAGNOSTIC LAB /1, NICHOLSON ROAD, AMBA	LA CANTT	REPORTING DATE	: 14/Dec/2024 10:35AM	
Fest Name		Value	Unit	<b>Biological Reference inte</b>	rval
RED BLOOD CELLS (RBCS	COMPI	LETE BLO	LLNESS PANEL: 1. OOD COUNT (CBC)		
HAEMOGLOBIN (HB) by calorimetric		17.5 <sup>H</sup>	gm/dL	12.0 - 17.0	
RED BLOOD CELL (RBC) CC by hydro dynamic focusing		5.88 <sup>H</sup>	Millions	s/cmm 3.50 - 5.00	
ACKED CELL VOLUME (PC		55.3 <sup>H</sup>	%	40.0 - 54.0	
AEAN CORPUSCULAR VOL by CALCULATED BY AUTOMATH	UME (MCV)	94	fL	80.0 - 100.0	
MEAN CORPUSCULAR HAE by CALCULATED BY AUTOMATH	MOGLOBIN (MCH)	29.8	pg	27.0 - 34.0	
MEAN CORPUSCULAR HEN by CALCULATED BY AUTOMATH	IOGLOBIN CONC. (MCHC)	31.7 <sup>L</sup>	g/dL	32.0 - 36.0	
RED CELL DISTRIBUTION	WIDTH (RDW-CV)	13.8	%	11.00 - 16.00	
RED CELL DISTRIBUTION V by CALCULATED BY AUTOMATH	WIDTH (RDW-SD)	48.8	fL	35.0 - 56.0	
MENTZERS INDEX by CALCULATED		15.99	RATIO	BETA THALASSEMIA TR/ 13.0 IRON DEFICIENCY ANEM >13.0	
GREEN & KING INDEX by calculated WHITE BLOOD CELLS (WI	R(S)	22.09	RATIO	BETA THALASSEMIA TR/ 65.0 IRON DEFICIENCY ANEM 65.0	
TOTAL LEUCOCYTE COUNT	'(TLC)	8460	/cmm	4000 - 11000	
by FLOW CYTOMETRY BY SF C NUCLEATED RED BLOOD C	ELLS (nRBCS)	NIL		0.00 - 20.00	
	OLOGY ANALYZER				





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

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

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Dr. Yugam Chopra

MD (Pathology)

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. SANDEEP KUMAR AGE/ GENDER : 32 YRS/MALE **PATIENT ID** :1698843 **COLLECTED BY** REG. NO./LAB NO. :012412140016 **REFERRED BY REGISTRATION DATE** : 14/Dec/2024 10:09 AM **BARCODE NO.** :01522432 **COLLECTION DATE** :14/Dec/2024 10:12AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :14/Dec/2024 10:35AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 46<sup>L</sup> % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 45<sup>H</sup> LYMPHOCYTES % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 3 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 6 % 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 3892 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 3807 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 254/cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 508 /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) 259000 150000 - 450000 /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 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 94000<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 36.111.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.5% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

Dr. Vinay Chopra

MD (Pathology & Microbiology)

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)







	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. SANDEEP KUMAR		
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			/
Test Name	Value	Unit	<b>Biological Reference interval</b>





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	٢	<b>Dr. Vinay Cho</b> 1D (Pathology & Chairman & Cons			(Pathology)
AME	: Mr. SANDEEI	P KUMAR			
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LIENT CODE.	: KOS DIAGNOS	STIC LAB		<b>REPORTING DATE</b>	: 14/Dec/2024 10:47AM
LIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, A	MBALA CANTT		
lest Name			Value	Unit	Biological Reference interval
mmune disease, but 2. An ESR can be affe as C-reactive protein	GATION BY CAPILLA ic test because ar does not tell the cted by other con	RATE (ESR) ary photometry n elevated result health practitior iditions besides i	2 often indicates her exactly wher inflammation. Fo	e the inflammation is in the or this reason, the ESR is ty	hr 0 - 20 ion associated with infection, cancer and auto- body or what is causing it. bically used in conjunction with other test such
by RED CELL AGGREG NTERPRETATION: ESR is a non-specif mmune disease, but An ESR can be affe is C-reactive protein C-reactive protein this test may also ystemic lupus erythy CONDITION WITH LOY A low ESR can be see	GATION BY CAPILLA ic test because ar does not tell the cted by other com be used to monite ematosus <b>M ESR</b> n with conditions	RATE (ESR) ary photometry n elevated result health practition ditions besides i or disease activition that inhibit the	2 often indicates her exactly wher inflammation. Fo ty and response normal sedimer	mm/1st the presence of inflammat e the inflammation is in the or this reason, the ESR is ty to therapy in both of the a	hr 0 - 20 ion associated with infection, cancer and auto- body or what is causing it. bically used in conjunction with other test such bove diseases as well as some others, such as
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		ology & Microbiology) & Consultant Pathologist	MD (I CEO & Consultant F	Pathology) Pathologist	
NAME	: Mr. SANDEEP KUMA	R			
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BARCODE NO.	: 01522432 : KOS DIAGNOSTIC LAB		COLLECTION DATE REPORTING DATE	: 14/Dec/2024 10:12AM	
CLIENT CODE.				: 14/Dec/2024 11:04AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	C	LINICAL CHEMISTRY	//BIOCHEMISTI	RY	
		GLUCOSE FAS	STING (F)		
GLUCOSE FASTING	G (F): PLASMA E - PEROXIDASE (GOD-POD)	84.85	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0	

**IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:** 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. 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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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 14/Dec/2024 11:15AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TO by CHOLESTEROL OX		168.73	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM HATE OXIDASE (ENZYMATIC)	84.34	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM ion	44.09	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		107.77	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST by CALCULATED, SPE		124.64	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER(		16.87	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE	CUM	421.8	mg/dL	350.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE	DL RATIO: SERUM	3.83	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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTI	ſ		
Test Name		Value	Unit	<b>Biological Reference interval</b>	
LDL/HDL RATIO: S by CALCULATED, SPE		2.44	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0	
TRIGLYCERIDES/H by CALCULATED, SPE		1.91 <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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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 14/Dec/2024 11:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER	<b>FUNCTION</b>	TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SE	: SERUM PECTROPHOTOMETRY	1.02	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.28	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.74	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	116.2 <sup>H</sup>	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	276 <sup>H</sup>	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.42	RATIO	0.00 - 46.00
ALKALINE PHOSPI by para nitrophen propanol	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	109.95	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	66 <sup>H</sup>	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.6	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.51	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	1	3.09	gm/dL	2.30 - 3.50
A : G RATIO: SERUN		1.46	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:**

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



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INTERPRETATION





	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultan	obiology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. SANDEEP KUMAR		
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	

## 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	<b>Biological Reference interval</b>
	KIDN	EY FUNCTION 7	TEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	26.8	mg/dL	10.00 - 50.00
CREATININE: SER	UM	1.11	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM	12.52	mg/dL	7.0 - 25.0
	ROGEN (BUN)/CREATININE	11.28	RATIO	10.0 - 20.0
by CALCULATED, SPE				
UREA/CREATININ by CALCULATED, SPE		24.14	RATIO	
URIC ACID: SERUM		7.84 <sup>H</sup>	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE		10.36	mg/dL	8.50 - 10.60
PHOSPHOROUS: SH		3.29	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	140.2	mmol/L	135.0 - 150.0
POTASSIUM: SERU	M	3.9	mmol/L	3.50 - 5.00
CHLORIDE: SERUM	1	105.15	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
(eGFR): SERUM by CALCULATED	ERULAR FILTERATION RATE	90.5		
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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AGE/ GENDER	: 32 YRS/MAL	2	P	PATIENT ID	:1	698843		
COLLECTED BY			F	REG. NO./LAB NO.		: 012412140016		
REFERRED BY				REGISTRATION DA				
BARCODE NO.				COLLECTION DATE		: 14/Dec/2024 10:09 AM : 14/Dec/2024 10:12AM		
CLIENT CODE.				REPORTING DATE	ING DATE : 14/Dec/20		1:15AM	
CLIENT ADDRESS	: 6349/1, NICI	IOLSON ROAD, AMB	ALA CANTT					
Test Name			Value	Uni	it	Biolog	ical Refere	ence interv
9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia	tetracycline, glu 0:1) WITH ELEVA	TED CREATININE LEV	ELS:	e) (e.a. obstructive	uropathy)			
INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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 c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1 G2	tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR osis. Id starvation. 2. creased urea syr urea rather thar monemias (urea of inappropiate a 0:1) WITH INCRE py (accelerates of eleases muscle of who develop ref sis (acetoacetate creased BUN/crea apy (interferes v ULAR FILTERATION Nor Kin Nor	cocorticoids) <b>TED CREATININE LEV</b> roportionately more in renal disease. <b>EASED BUN :</b> Assed BUN : is virtually absent in intidiuretic harmone) <b>ASED CREATININE:</b> onversion of creating reatinine). hal failure. e causes false increase eatinine ratio). vith creatinine measure <b>NATE:</b> <b>DESCRIPTION</b> mal kidney function dney damage with prmal or high GFR	ELS: than creatining but of extracel blood). due to tubula e to creatining se in creatining irement).	Ilular fluid). r secretion of urea. e). e with certain meth /min/1.73m2 ) >90 >90	hodologies, ASSOCI No Presen	resulting in nor ATED FINDINGS proteinuria ce of Protein , or cast in urine		vhen dehydr
INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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 c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1 G2 G3a	tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR osis. Id starvation. 2. creased urea syr urea rather thar monemias (urea of inappropiate a 0:1) WITH INCRE py (accelerates of eleases muscle of who develop ref sis (acetoacetate creased BUN/crea apy (interferes v UAR FILTERATION Nor Kin Mor	cocorticoids) TED CREATININE LEV roportionately more in renal disease. EASED BUN : ASED BUN : ASED CREATININE: onversion of creating reatinine). al failure. e causes false increase eatinine ratio). //ith creatinine measu. //ith creatinine measu.	ELS: than creatining blood). due to tubula e to creatining se in creatining irement).	Ilular fluid). r secretion of urea. e). e with certain meth /min/1.73m2 ) >90 >90 60 -89	hodologies, ASSOCI No Presen	ATED FINDINGS proteinuria ce of Protein ,		vhen dehydr
INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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 c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1 G2	tetracycline, glu <b>0:1) WITH ELEVA</b> (BUN rises disp superimposed o <b>0:1) WITH DECR</b> osis. Id starvation. 2. creased urea syr urea rather thar monemias (urea if inappropiate a <b>0:1) WITH INCRE</b> py (accelerates of eleases muscle of who develop rer sis (acetoacetate creased BUN/crea apy (interferes w UAR FILTERATION Nor Kin Mode	cocorticoids) <b>TED CREATININE LEV</b> roportionately more in renal disease. <b>EASED BUN :</b> Assed BUN : is virtually absent in intidiuretic harmone) <b>ASED CREATININE:</b> onversion of creating reatinine). hal failure. e causes false increase eatinine ratio). vith creatinine measure <b>NATE:</b> <b>DESCRIPTION</b> mal kidney function dney damage with prmal or high GFR	ELS: than creatining blood). due to tubula e to creatining se in creatining irement).	Ilular fluid). r secretion of urea. e). e with certain meth /min/1.73m2 ) >90 >90	hodologies, ASSOCI No Presen	ATED FINDINGS proteinuria ce of Protein ,		vhen dehydr





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mr. SANDEEP KUMAR		
AGE/ GENDER	: 32 YRS/MALE	PATIENT ID	: 1698843
COLLECTED BY	:	REG. NO./LAB NO.	: 012412140016
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 14/Dec/2024 10:09 AM
BARCODE NO.	: 01522432	<b>COLLECTION DATE</b>	: 14/Dec/2024 10:12AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 14/Dec/2024 11:15AM
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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



Dr. Vinay Ch MD (Pathology & Chairman & Con						
NAME : Mr. SANDEEP KUMAR						
AGE/ GENDER : 32 YRS/MALE	PATIENT I	D	: 1698843			
COLLECTED BY :	REG. NO./I	LAB NO.	: 012412140016			
<b>REFERRED BY</b> :	REGISTRA	TION DATE	: 14/Dec/2024 10:09 AM			
<b>BARCODE NO.</b> : 01522432	COLLECTIO		: 14/Dec/2024 10:12AM			
CLIENT CODE. : KOS DIAGNOSTIC LAB	REPORTIN	IG DATE	: 14/Dec/2024 11:11AM			
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT						
Test Name	Value	Unit	<b>Biological Reference interval</b>			
	CLINICAL PATHO	OCY				
URINE RO	UTINE & MICROSCOP		ATION			
PHYSICAL EXAMINATION						
QUANTITY RECIEVED	10	ml				
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR	PALE YELLOW		PALE YELLOW			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY						
TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	CLEAR		CLEAR			
SPECIFIC GRAVITY	>=1.030		1.002 - 1.030			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY CHEMICAL EXAMINATION						
REACTION	ACIDIC					
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN	Nagating					
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
рН	<=5.0		5.0 - 7.5			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN	Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY						
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)			
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0			
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
BLOOD	Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID	NEGATIVE (-ve)		NEC ATIVE ( yo)			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)			
MICROSCOPIC EXAMINATION						
RED BLOOD CELLS (RBCs)	NEGATIVE (-ve)	/HPF	0 - 3			

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

: 32 YRS/MALE	PATIENT ID	1000040
		: 1698843
:	REG. NO./LAB NO.	:012412140016
:	<b>REGISTRATION DATE</b>	: 14/Dec/2024 10:09 AM
: 01522432	COLLECTION DATE	: 14/Dec/2024 10:12AM
: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 14/Dec/2024 11:11AM
: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
		1
Value	Unit	<b>Biological Reference interval</b>
	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT	REGISTRATION DATE 01522432 COLLECTION DATE KOS DIAGNOSTIC LAB REPORTING DATE 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit

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	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

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





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