

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam C MD (Pa CEO & Consultant Pa	ithology)
IAME	: Mr. SOURABH BANSAL			
GE/ GENDER	: 40 YRS/MALE	PATIE	NT ID	: 1752714
COLLECTED BY	: SURJESH	REG. N	IO./LAB NO.	: 012502110024
REFERRED BY	:	REGIS	TRATION DATE	: 11/Feb/2025 10:52 AM
BARCODE NO.	: 01525320	COLLE	CTION DATE	: 11/Feb/2025 11:05AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 11/Feb/2025 11:45AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
	SWAST	HYA WELLNE	SS PANEL: 1.0	
	COME	PLETE BLOOD (COUNT (CBC)	
ED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
IAEMOGLOBIN (H	B)	11.7 ^L	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RBC) COUNT	5.59 ^H	Millions/cn	nm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
ACKED CELL VOLU	JME (PCV) UTOMATED HEMATOLOGY ANALYZER	37.1 ^L	%	40.0 - 54.0
IEAN CORPUSCUL	AR VOLUME (MCV)	66.4 ^L	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	20.9 ^L	pg	27.0 - 34.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
MEAN CORPUSCUL by calculated by a	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	31.5 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	16.2 ^H	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	40.2	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	10.2		
MENTZERS INDEX		11.88	RATIO	BETA THALASSEMIA TRAIT: < 13.0
,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				IRON DEFICIENCY ANEMIA:
			D 1 T 10	>13.0
GREEN & KING IND by calculated	DEX	19.22	RATIO	BETA THALASSEMIA TRAIT:< 65.0
,				IRON DEFICIENCY ANEMIA: >
MITTE DI AAN AN				65.0
<u>VHITE BLOOD CE</u>		7200	1	4000 11000
	LOUNT (TLC) / BY SF CUBE & MICROSCOPY	7300	/cmm	4000 - 11000
		NIL		0.00 - 20.00
NUCLEATED RED B				
by FLOW CYTOMETRY NUCLEATED RED B by AUTOMATED 6 PAP	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) %	NIL	%	< 10 %

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. SOURABH BANSAL AGE/ GENDER : 40 YRS/MALE **PATIENT ID** :1752714 : SURJESH **COLLECTED BY** :012502110024 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 11/Feb/2025 10:52 AM : **BARCODE NO.** :01525320 **COLLECTION DATE** :11/Feb/202511:05AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :11/Feb/202511:45AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 49^L % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 43^H LYMPHOCYTES % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 3 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 5 % 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 3577 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 3139 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 219 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 365 /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 133000^L /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.19 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) fL 13^H 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) 66000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 58.5^H 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 15.4% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE **KINDLY CORRELATE CLINICALLY**

ADVICE



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	Dr. Vinay Chopra MD (Pathology & Microbiolo Chairman & Consultant Path		(Pathology)
NAME	: Mr. SOURABH BANSAL		
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Test Name	Valu	e Unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED



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

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		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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LIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
polycythaemia), sigr is sickle cells in sickl IOTE: . ESR and C - reactiv 2. Generally, ESR doe 8. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 5. Drugs such as dext	hificantly high white blood ce le cell anaemia) also lower th es not change as rapidly as do by as many other factors as i ed, it is typically a result of to we a higher ESR, and menstru	Il count (leucocytosis) ne ESR. rkers of inflammation. bes CRP, either at the s s ESR, making it a bette wo types of proteins, g jation and pregnancy c	, and some protein abno tart of inflammation or a er marker of inflammatior lobulins or fibrinogen. an cause temporary eleva	n.





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CLIENT ADDRESS	: 6349/1, NICHOLSON	I ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL CHEMISTRY		'nY
		GLUCOSE FAS	STING (F)	
GLUCOSE FASTING	E (F): PLASMA E - PEROXIDASE (GOD-POL	135.16^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

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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Test Name		Value	Unit	Biological Reference interval
		LIPID PROF	ILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	135.47	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		100.17	ing/ uL	BORDERLINE HIGH: 200.0 -
				239.0
				HIGH CHOLESTEROL: > OR = 240.0
FRIGLYCERIDES: S		174.28 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSE	PHATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM	36.03	mg/dL	LOW HDL: < 30.0
by SELECTIVE INFIBIT	ION			BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROI by CALCULATED, SPE		64.58	mg/dL	OPTIMAL: < 100.0
by CALCOLATED, SPE	CIROPHOTOMETRY			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	FEROL: SERUM	99.44	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE				ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 - 189.0
				HIGH: 190.0 - 219.0
				VERY HIGH: $> OR = 220.0$
VLDL CHOLESTER(by CALCULATED, SPE		34.86	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SER		445.22	mg/dL	350.00 - 700.00
by CALCULATED, SPE		2 70	Ū	
CHOLESTEROL/HD by CALCULATED, SPE		3.76	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
		Que.	disa	

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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.79	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	4.84	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
			TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.64	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.21	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.43	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	55.6 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM	[/RIDOXAL PHOSPHATE	91.4 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.61	RATIO	0.00 - 46.00
ALKALINE PHOSPI by para nitrophen propanol	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	74.69	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	31.83	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.96	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.27	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	2.69	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	M	1.59	RATIO	1.00 - 2.00

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





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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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	KIDNE	Y FUNCTION	N TEST (COMPLETE)	
UREA: SERUM		17.44	mg/dL	10.00 - 50.00
by UREASE - GLUTAM	IATE DEHYDROGENASE (GLDH)		0	
CREATININE: SERU by ENZYMATIC, SPEC		1.1	mg/dL	0.40 - 1.40
-	ROGEN (BUN): SERUM	8.15	mg/dL	7.0 - 25.0
by CALCULATED, SPE	CTROPHOTOMETRY			
BLOOD UREA NITR RATIO: SERUM	ROGEN (BUN)/CREATININE	7.41 ^L	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ		15.85	RATIO	
by CALCULATED, SPE URIC ACID: SERUM		6.51	mg/dL	3.60 - 7.70
by URICASE - OXIDAS		0.51	iiig/ uL	3.00 - 1.10
CALCIUM: SERUM		8.91	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SE		3.38	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	5.50	ilig/ uL	2.30 - 4.70
<u>ELECTROLYTES</u>				
SODIUM: SERUM		142.3	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERU		4.06	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				0.00 0.00
CHLORIDE: SERUM		106.73	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV ESTIMATED GLOM	ELECTRODE) IERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	87		
(eGFR): SERUM	ENGLAN FILTENATION NATE	07		
by CALCULATED				
<u>INTERPRETATION:</u> To differentiate betw	een 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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AME	: Mr. SOURAB	H BANSAL						
GE/ GENDER	: 40 YRS/MALE		PA	TIENT ID		: 1752714		
OLLECTED BY	: SURJESH		RE	G. NO./LAB N	0.	: 01250211002	4	
EFERRED BY				GISTRATION		: 11/Feb/2025 10		
ARCODE NO.	: 01525320			LLECTION DA		: 11/Feb/2025 11		
LIENT CODE.	: KOS DIAGNOS			PORTING DAT		: 11/Feb/2025 12		
				FORTING DAT	LE	. 11/ Feb/ 2023 12	2.00F WI	
LIENT ADDRESS	: 0349/1, NICH	OLSON ROAD, AMB	ALA CANTI					
'est Name			Value	U	nit	Biologie	cal Reference i	nterval
 Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 	tetracycline, gluo 0:1) WITH ELEVA a (BUN rises dispr	reatinine production cocorticoids) FED CREATININE LEVE oportionately more t	LS:	(e.g. obstructiv	ve uropath	ıy).		
Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in	ass (subnormal c tetracycline, gluc (0:1) WITH ELEVA (BUN rises dispr superimposed or (0:1) WITH DECRE osis. nd starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate ar (urea rather than monemias (urea of inappropiate ar (urea rather than monemias (urea of inappropiate ar (urea rather than monemias (urea sis (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/cre apy (interferes w ULAR FILTERATION Norr Kid	reatinine production cocorticoids) FED CREATININE LEVE oportionately more to a renal disease. ASED BUN : thesis. creatinine diffuses of is virtually absent in tidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increas atinine ratio). ith creatinine measu IRATE: DESCRIPTION nal kidney function ney damage with	LS: han creatinine) ut of extracellu blood). due to tubular s to creatinine). e in creatinine v rement).	llar fluid). secretion of ure	ea. ethodologi	ies,resulting in norm DCIATED FINDINGS No proteinuria sence of Protein ,		lehydratio
Certain drugs (e.g. ICREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2	ass (subnormal c tetracycline, gluc (0:1) WITH ELEVA (BUN rises dispr superimposed or (0:1) WITH DECRE osis. nd starvation. e. creased urea syn urea rather than monemias (urea of inappropiate ar (urea rather than monemias (urea (urea rather than (urea (urea rather than (urea rather than	reatinine production cocorticoids) FED CREATININE LEVE oportionately more to a renal disease. ASED BUN : thesis. creatinine diffuses of is virtually absent in tidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increas atinine ratio). ith creatinine measu IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR	LS: han creatinine) ut of extracellu blood). due to tubular s to creatinine). e in creatinine v rement).	ular fluid). secretion of ure with certain me <u>min/1.73m2)</u> >90	ea. ethodologi	ies,resulting in nor DCIATED FINDINGS No proteinuria		lehydratio
Certain drugs (e.g. ICREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERU CKD STAGE G1	ass (subnormal c tetracycline, gluc (0:1) WITH ELEVA (BUN rises dispr superimposed or (0:1) WITH DECRE osis. nd starvation. e. creased urea syn urea rather than monemias (urea of inappropiate ar (urea rather than monemias (urea (urea rather than (urea rather t	reatinine production cocorticoids) FED CREATININE LEVE oportionately more to a renal disease. ASED BUN : thesis. creatinine diffuses of is virtually absent in tidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increas atinine ratio). ith creatinine measu IRATE: DESCRIPTION nal kidney function ney damage with	LS: han creatinine) ut of extracellu blood). due to tubular s to creatinine). e in creatinine v rement).	ular fluid). secretion of ure with certain me <u>min/1.73m2)</u> >90	ea. ethodologi	ies,resulting in norm DCIATED FINDINGS No proteinuria sence of Protein ,		lehydratio
. Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia Prerenal azotemia ECREASED RATIO (< . Acute tubular necr . Low protein diet an . Severe liver diseas . Other causes of de . Repeated dialysis (. Inherited hyperam . SIADH (syndrome of . Pregnancy. ECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido nould produce an in . Cephalosporin ther STIMATED GLOMERI G1 G2 G3a	ass (subnormal c tetracycline, gluc (0:1) WITH ELEVA (BUN rises dispr superimposed or (0:1) WITH DECRE osis. nd starvation. e. creased urea syn urea rather than monemias (urea of inappropiate ar (urea rather than monemias (urea (urea rather than monemias (urea value) (urea rather than monemias (urea value) (urea rather than monemias (urea value) (urea rather than monemias (urea value) (urea value) (urea value) (urea value) (urea value) (urea value) (urea value) (urea value) (ur	reatinine production cocorticoids) FED CREATININE LEVE oportionately more to a renal disease. ASED BUN : thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increas atinine ratio). ith creatinine measu IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR	LS: han creatinine) ut of extracellu blood). due to tubular s to creatinine). e in creatinine v rement). GFR (mL/r GFR (mL/r 30 60 30	ular fluid). secretion of ure with certain me <u>min/1.73m2)</u> >90 >90 >90	ea. ethodologi	ies,resulting in norm DCIATED FINDINGS No proteinuria sence of Protein ,		lehydratio



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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, AN	IBALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Feb/2025 12:08PM
BARCODE NO.	: 01525320	COLLECTION DATE	: 11/Feb/2025 11:05AM
REFERRED BY	:	REGISTRATION DATE	: 11/Feb/2025 10:52 AM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502110024
AGE/ GENDER	: 40 YRS/MALE	PATIENT ID	: 1752714
NAME	: Mr. SOURABH BANSAL		
	Chairman & Consul		
	Dr. Vinay Chop MD (Pathology & M		m Chopra D (Pathology)

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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	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)	
NAME	: Mr. SOURABH BANSAL				
AGE/ GENDER	: 40 YRS/MALE	PATIE	NT ID	: 1752714	
COLLECTED BY	: SURJESH	REG. N	0./LAB NO.	:012502110024	
REFERRED BY	:		FRATION DATE	: 11/Feb/2025 10:52 AM	
BARCODE NO.	:01525320		CTION DATE	: 11/Feb/2025 11:05AM	
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		RTING DATE	: 11/Feb/2025 11:50AM	
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PATH	HOLOGY		
	URINE RO	DUTINE & MICROSC	OPIC EXAMINA	ATION	
PHYSICAL EXAMIN					
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		10	ml		
		PALE YELLOW		PALE YELLOW	
TRANSPARANCY		CLEAR		CLEAR	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		1.02		1.002 - 1.030	
CHEMICAL EXAMI					
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		ACIDIC			
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)	
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
pH		5.5		5.0 - 7.5	
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)	
		Normal	EU/dL	0.2 - 1.0	
		Negative		NEGATIVE (-ve)	
		Negative		NEGATIVE (-ve)	
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)	
MICROSCOPIC EXA					
RED BLOOD CELLS	(RBCs)	NEGATIVE (-ve)	/HPF	0 - 3	

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NANCE



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

COUDADII DANCAI



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

NAME	: Mr. SOURABH BANSAL				
AGE/ GENDER	: 40 YRS/MALE : SURJESH : : 01525320 : KOS DIAGNOSTIC LAB		PATIENT ID	: 1752714 : 012502110024 : 11/Feb/2025 10:52 AM : 11/Feb/2025 11:05AM : 11/Feb/2025 11:50AM	
COLLECTED BY			REG. NO./LAB NO.		
REFERRED BY			REGISTRATION DATE		
BARCODE NO.			COLLECTION DATE		
CLIENT CODE.			REPORTING DATE		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CANT	Т		
Test Name		Value	Unit	Biological Reference interval	
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT				
PUS CELLS		2-3	/HPF	0 - 5	
by MICROSCOPY ON (CENTRIFLIGED LIRINARY SEDIMENT				

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