

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



	Dr. Vinay Chopr: MD (Pathology & Micr Chairman & Consultar	robiology)		(Pathology)	
NAME	: Mr. SUNIL KUMAR CHADHA				
AGE/ GENDER	: 62 YRS/MALE		PATIENT ID	: 1655191	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012410280042	
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 28/Oct/2024 12:38 PM	
BARCODE NO.	: 01519705		COLLECTION DATE	: 28/Oct/2024 12:45PM	
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 28/Oct/2024 01:06PM	
CLIENI ADDRESS	: 6349/1, NICHOLSON ROAD, AMB.	ALA CANT I			
Test Name		Value	Unit	Biological Reference inter	rval
	COMP		ELLNESS PANEL: G DOD COUNT (CBC)		
	S (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (H	B)	13.3	gm/dL	12.0 - 17.0	
RED BLOOD CELL		4.57	Millions/	/cmm 3.50 - 5.00	
PACKED CELL VOL	FOCUSING, ELECTRICAL IMPEDENCE UME (PCV)	40.9	%	40.0 - 54.0	
•	AUTOMATED HEMATOLOGY ANALYZER AR VOLUME (MCV)	89.5	fL	80.0 - 100.0	
	AR VOLUNIE (NICV) AUTOMATED HEMATOLOGY ANALYZER	89.5	IL	80.0 - 100.0	
	AR HAEMOGLOBIN (MCH)	28.4	pg	27.0 - 34.0	
	AR HEMOGLOBIN CONC. (MCHC)	31.8 <sup>L</sup>	g/dL	32.0 - 36.0	
RED CELL DISTRIE	BUTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	13.9	%	11.00 - 16.00	
RED CELL DISTRIE	BUTION WIDTH (RDW-SD)	46.3	fL	35.0 - 56.0	
MENTZERS INDEX by CALCULATED		19.58	RATIO	BETA THALASSEMIA TRA 13.0 IRON DEFICIENCY ANEM >13.0	
GREEN & KING IN by CALCULATED	DEX	26.56	RATIO	BETA THALASSEMIA TRA 65.0 IRON DEFICIENCY ANEM 65.0	
WHITE BLOOD CE					
TOTAL LEUCOCYT	E COUNT (TLC) y by sf cube & microscopy	6090	/cmm	4000 - 11000	
NUCLEATED RED I	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00	
NUCLEATED RED I	BLOOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %	





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# KOS Diagnostic Lab (A Unit of KOS Healthcare)

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



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

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Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	52 <sup>L</sup>	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	34	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6 <sup>H</sup>	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8	%	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	3167	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2071	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	365	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	487	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	<u>MARKERS.</u>		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	134000 <sup>L</sup>	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.17	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	15 <sup>H</sup>	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	69000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	58.5 <sup>H</sup>	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	17.1 <sup>H</sup>	%	15.0 - 17.0





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 Test Name
 Value
 Unit
 Biological Reference interval

RECHECKED



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOGL	OBIN (HBA1C)	
GLYCOSYLATED HAEN WHOLE BLOOD		6.2	%	4.0 - 6.4
ESTIMATED AVERAGE	by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) INTERPRETATION:		mg/dL	60.00 - 140.00
	AS PER AMERICAN DIAB	ETES ASSOCIATION (ADA):		
RE	FERENCE GROUP	GLYCOSYLATED HEN	IOGLOGIB (HBAIC) in	%
Non diabe	etic Adults >= 18 years		5.7	
At R	lisk (Prediabetes)	5.7	- 6.4	
Diag	gnosing Diabetes	>:	= 6.5	
		3	19 Years	
Thorapoutio	goals for glycemic control	Goals of Therapy:	< 7.0	
merapeutic	goals for grycernic control	Actions Suggested:	>8.0	
		Age < Goal of therapy:	<pre>19 Years &lt;7.5</pre>	

### COMMENTS:

1. Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients.

2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate. 4. High

HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5. Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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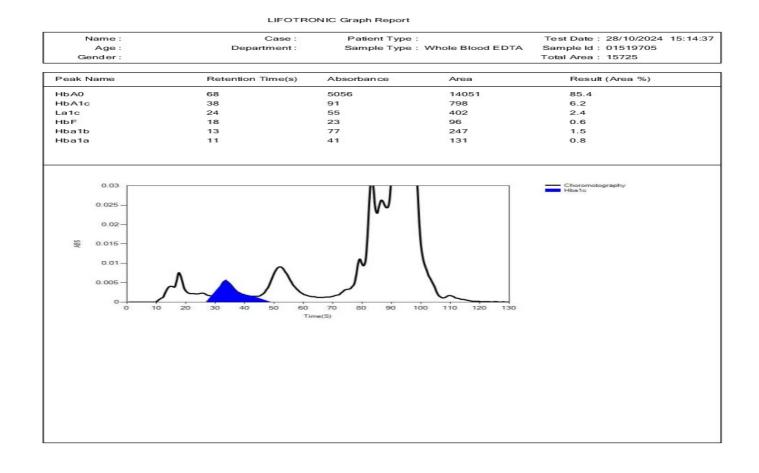


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Test Name		Value Unit	Biological Reference interval





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Fest Name		Value	Unit	Biological Reference interval	
systemic lupus erythe CONDITION WITH LOV A low ESR can be seen	WESR n with conditions that inhibit th ificantly high white blood cell c e cell anaemia) also lower the l	ne normal sedimentatio	n of red blood cells s		





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Test Name		Value	Unit	<b>Biological Reference interval</b>
	CI	LINICAL CHEMISTRY	Y/BIOCHEMIST	RY
		GLUCOSE FAS	STING (F)	
GLUCOSE FASTIN	G (F): PLASMA SE - PEROXIDASE (GOD-POD)	109.14 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

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. 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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		Chopra y & Microbiology) consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
AGE/ GENDER: 62COLLECTED BY: SUREFERRED BY:BARCODE NO.: 01.CLIENT CODE.: KO	: <b>SUNIL KUMAR CHAD</b> YRS/MALE RJESH 519705 S DIAGNOSTIC LAB 49/1, NICHOLSON ROA	PATIE REG. N REGIS COLLE REPOI	ENT ID 10./LAB NO. TRATION DATE ECTION DATE RTING DATE	: 1655191 <b>: 012410280042</b> : 28/Oct/2024 12:38 PM : 28/Oct/2024 12:45PM : 28/Oct/2024 01:30PM
Test Name		Value	Unit	Biological Reference interval
CHOLESTEROL TOTAL: S by CHOLESTEROL OXIDASE		<b>LIPID PROFILE</b> 181.52	<b>: BASIC</b> mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: SERUN by GLYCEROL PHOSPHATE		116.03	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIF by SELECTIVE INHIBITION	RECT): SERUM	50.37	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SER by CALCULATED, SPECTRON		107.94	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 CHOLESTERO by CALCULATED, SPECTRO		131.15 <sup>H</sup>	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 CHOLESTEROL: SE by CALCULATED, SPECTROF		23.21	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by CALCULATED, SPECTROF		479.07	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RA' by CALCULATED, SPECTRON	ΓΙΟ: SERUM	3.6	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	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.14	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	2.3 <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.

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

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





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

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Test Name	Value	Unit	Biological Reference interval
LIVER	FUNCTION TH	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.83	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by diazo modified, spectrophotometry	0.18	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.65	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	37.3	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	35.2	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.06	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para Nitrophenyl phosphatase by amino methyl propanol	95.33	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	14.91	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.98	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.58	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.4	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.91	RATIO	1.00 - 2.00

INTERPRETATION

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

## **INCREASED:**

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





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### DECREASED:

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

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

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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

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				(Pathology)	
NAME :	Mr. SUNIL KUMAR CHADHA				
AGE/ GENDER :	62 YRS/MALE	P	ATIENT ID	: 1655191	
COLLECTED BY :	SURJESH	R	EG. NO./LAB NO.	: 012410280042	
<b>REFERRED BY</b> :		R	EGISTRATION DATE	: 28/Oct/2024 12:38 PM	
BARCODE NO. :	01519705	C	OLLECTION DATE	: 28/Oct/2024 12:45PM	
CLIENT CODE.	KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 28/Oct/2024 04:39PM	
CLIENT ADDRESS :	6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	<b>Biological Reference interva</b>	
	KIDNE	Y FUNCTION	TEST (COMPLETE)		
UREA: SERUM by UREASE - GLUTAMATE	DEHYDROGENASE (GLDH)	17.96	mg/dL	10.00 - 50.00	
CREATININE: SERUM by ENZYMATIC, SPECTRO	PHOTOMETERY	0.88	mg/dL	0.40 - 1.40	
BLOOD UREA NITROG		8.39	mg/dL	7.0 - 25.0	
BLOOD UREA NITROG RATIO: SERUM by CALCULATED, SPECTE	EN (BUN)/CREATININE	9.53 <sup>L</sup>	RATIO	10.0 - 20.0	
UREA/CREATININE R. by CALCULATED, SPECTR	ATIO: SERUM	20.41	RATIO		
URIC ACID: SERUM by URICASE - OXIDASE PE	EROXIDASE	4.28	mg/dL	3.60 - 7.70	
CALCIUM: SERUM by ARSENAZO III, SPECTR	OPHOTOMETRY	9.42	mg/dL	8.50 - 10.60	
-	M E, SPECTROPHOTOMETRY	3.17	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM by ISE (ION SELECTIVE EL	.ECTRODE)	137.9	mmol/L	135.0 - 150.0	
POTASSIUM: SERUM by ISE (ION SELECTIVE EL		4.2	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM by ISE (ION SELECTIVE EL		103.43	mmol/L	90.0 - 110.0	
ESTIMATED GLOMER	ULAR FILTERATION RATE				
ESTIMATED GLOMERI (eGFR): SERUM by CALCULATED INTERPRETATION:	JLAR FILTERATION RATE	97.2			

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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1		<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist					
AME	: Mr. SUNIL KU	MAR CHADHA							
GE/ GENDER	: 62 YRS/MALE			PATIENT ID	: 16	55191			
COLLECTED BY	: SURJESH			REG. NO./LAB NO	: 01	241028004	42		
REFERRED BY				<b>REGISTRATION D</b>		/Oct/2024 1			
ARCODE NO.	:01519705			COLLECTION DAT		/Oct/2024 1			
CLIENT CODE.	: KOS DIAGNOS			REPORTING DAT	E :28	/Oct/2024 0	4:39PM		
LIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, AME	ALA CANTT						
Fest Name			Value	Un	it	Biolog	ical Refe	rence in	terval
2. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. <b>NCREASED RATIO (&gt;2</b> 4. Postrenal azotemia 5. Prerenal azotemia 5. DECREASED RATIO (<1 4. Acute tubular necr	ass (subnormal ci tetracycline, gluc <b>D:1) WITH ELEVAT</b> (BUN rises dispro superimposed on <b>D:1) WITH DECRE</b> Dosis.	tomy) eatinine productio ocorticoids) <b>ED CREATININE LEV</b> oportionately more renal disease.	n) <b>ELS</b> :	on, GI bleeding, thy ne) (e.g. obstructive			rome, mg		uict,
2. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. <b>NCREASED RATIO (&gt;2</b> 4. Postrenal azotemia 5. Prerenal azotemia 6. Acute tubular necr 7. Low protein diet ar 7. Severe liver disease 6. Other causes of de 6. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome c 6. Pregnancy. 7. Phenacimide thera 7. Rhabdomyolysis (r 6. Muscular patients 7. NAPPROPIATE RATIO 7. Diabetic ketoacido 7. Diabetic ketoacido 7. CED STAGE 6. CKD STAGE 6. CKD STAGE 6. C	(e.g. ureter colos ass (subnormal ci tetracycline, gluc <b>D:1) WITH ELEVAT</b> (BUN rises dispro superimposed on <b>0:1) WITH DECRE</b> osis. d starvation. creased urea synt urea rather than nonemias (urea i f inappropiate an <b>0:1) WITH INCRE</b> oy (accelerates co eleases muscle cr who develop rena sis (acetoacetate creased BUN/crea apy (interferes w LAR FILTERATION	tomy) teatinine productio pocrticoids) ED CREATININE LEV oportionately more renal disease. ASED BUN : ASED BUN : ASED BUN : ASED CREATININE: onversion of creatin tidiuretic harmone ASED CREATININE: onversion of creatin eatinine). Al failure. Causes false increatin th creatinine meas RATE: DESCRIPTION th kiney function	n) ELS: than creatini out of extract blood). due to tubul e to creatinin se in creatinin urement).	ne) (e.g. obstructive ellular fluid). lar secretion of urea ne). ne with certain met <b>nL/min/1.73m2 )</b> >90	e uropathy). n. hodologies,re <u>ASSOCIAT</u> No pr	esulting in no ED FINDINGS oteinuria	rmal ratic		
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Y. Urine reabsorption     Reduced muscle m     Certain drugs (e.g.     NCREASED RATIO (>2     Postrenal azotemia     DECREASED RATIO (<1     Acute tubular necr     Low protein diet ar     Severe liver disease     Other causes of de     Repeated dialysis (     SIADH (syndrome c     Rhabdomyolysis (r     Rhabdomyolysis (r     Rhabdomyolysis (r     Rhabdomyolysis (r     Diabetic ketoacido     hould produce an in     CEMATED GLOMERL     CKD STAGE     G1     G2	(e.g. ureter colos ass (subnormal ci tetracycline, gluc <b>D:1) WITH ELEVAT</b> (BUN rises dispro superimposed on <b>0:1) WITH DECRE</b> osis. d starvation. creased urea synt urea rather than nonemias (urea i f inappropiate an <b>0:1) WITH INCRE</b> oy (accelerates co eleases muscle cr who develop rena sis (acetoacetate creased BUN/crea apy (interferes w LAR FILTERATION LAR FILTERATION Kid non Moder	tomy) teatinine productio pocrticoids) ED CREATININE LEV oportionately more renal disease. ASED BUN : ASED BUN : ASED BUN : ASED CREATININE: onversion of creatin tidiuretic harmone ASED CREATININE: onversion of creatin eatinine). Al failure. Causes false increatin th creatinine meas RATE: DESCRIPTION th creatinine meas RATE: DESCRIPTION th creatinine meas RATE: DESCRIPTION th creatinine meas RATE: DESCRIPTION they damage with mal or high GFR	n) ELS: than creatini out of extrac blood). due to tubul e to creatinin se in creatinin urement).	ne) (e.g. obstructive ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2 ) >90 >90	e uropathy). a. hodologies,re ASSOCIAT No pr Presence	esulting in no ED FINDINGS oteinuria	rmal ratio		





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology Chairman & Consultant Pathole		(Pathology)
NAME	: Mr. SUNIL KUMAR CHADHA		
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COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012410280042
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BARCODE NO.	: 01519705	<b>COLLECTION DATE</b>	: 28/Oct/2024 12:45PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 28/Oct/2024 04:39PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	ITT	
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

End Of Report \*\*\*





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