

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
IAME	: Mr. KAPIL GOEL			
AGE/ GENDER	: 51 YRS/MALE		PATIENT ID	: 1722244
OLLECTED BY	:		REG. NO./LAB NO.	: 012502260006
EFERRED BY	:		REGISTRATION DATE	: 26/Feb/2025 08:57 AM
ARCODE NO.	:01526150		COLLECTION DATE	: 26/Feb/2025 08:58AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 26/Feb/2025 11:00AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTI	7	
Fest Name		Value	Unit	Biological Reference interval
			ELLNESS PANEL: G .00D COUNT (CBC)	
ED BLOOD CELL	<u>S (RBCS) COUNT AND INDICES</u>			
IAEMOGLOBIN (H by calorimetric	B)	14.3	gm/dL	12.0 - 17.0
ED BLOOD CELL	(RBC) COUNT	5.52 ^H	Millions	/cmm 3.50 - 5.00
ACKED CELL VOL		43.9	%	40.0 - 54.0
IEAN CORPUSCUL	AR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	79.6 ^L	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZER	26 ^L	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC)	32.7	g/dL	32.0 - 36.0
ED CELL DISTRIB	UTION WIDTH (RDW-CV) automated hematology analyzer	15.1	%	11.00 - 16.00
	UTION WIDTH (RDW-SD) automated hematology analyzer	44.9	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		14.42	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
REEN & KING INI by CALCULATED		21.85	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
	LLS (WBCS)			
WHITE BLOOD CE		8470	/cmm	4000 - 11000
OTAL LEUCOCYTI	Y BY SF CUBE & MICROSCOPY	0470		
OTAL LEUCOCYTI by flow cytometr IUCLEATED RED I		NIL		0.00 - 20.00





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NAME



Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD (Pathology) CEO & Consultant Pathologist : Mr. KAPIL GOEL

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Test Name		Value	Unit	Biological Reference interval	
DIFFERENTIAL LE	UCOCYTE COUNT (DLC)				
NEUTROPHILS by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY	53	%	50 - 70	
LYMPHOCYTES by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY	36	%	20 - 40	
EOSINOPHILS by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY	7 ^H	%	1 - 6	
MONOCYTES	A BY SE CUBE & MICROSCOPY	4	%	2 - 12	

by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	50	70	20-40
EOSINOPHILS	7 ^H	%	1 - 6
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
MONOCYTES	4	%	2 - 12
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS	0	%	0 - 1
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	70	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT	4489	/cmm	2000 - 7500
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMPHOCYTE COUNT	3049	/cmm	800 - 4900
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT		/	40 - 440
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	593 ^H	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT	339	/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	MADKEDS		
		,	4 50000 450000
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	194000	/cmm	150000 - 450000
PLATELETCRIT (PCT)	0.27	%	0.10 - 0.36
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE			
MEAN PLATELET VOLUME (MPV)	14 ^H	fL	6.50 - 12.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE		,	
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	104000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR)	53.6 ^H	%	11.0 - 45.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	00.0		
PLATELET DISTRIBUTION WIDTH (PDW)	16.5	%	15.0 - 17.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE			
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			



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Test Name	Valu	e Unit	Biological Reference interval



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 26/Feb/2025 03:00PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOO	LOBIN (HBA1C)	
GLYCOSYLATED HAE	MOGLOBIN (HbA1c):	10.6 ^H	%	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) INTERPRETATION:		257.52 ^H	mg/dL	60.00 - 140.00
	AS PER AMERICAN DIAB	ETES ASSOCIATION (ADA):		
	FERENCE GROUP	GLYCOSYLATED HEMOGLOGIB (HBAIC) in %		n %
RE	atia Adulta 10 usana		<5.7	
	etic Adults >= 18 years	5.7 - 6.4		
Non diab	Risk (Prediabetes)	1	5.7 – 6.4	
Non diab At F		1	5.7 – 6.4 >= 6.5	
Non diab At F	Risk (Prediabetes)			
Non diab At F Dia	Risk (Prediabetes) gnosing Diabetes		>= 6.5 e > 19 Years < 7.0	
Non diab At F Dia	Risk (Prediabetes)	Ag Goals of Therapy: Actions Suggested:	>= 6.5 => 19 Years <7.0 >8.0	
Non diab At F Dia	Risk (Prediabetes) gnosing Diabetes	Ag Goals of Therapy: Actions Suggested:	>= 6.5 e > 19 Years < 7.0	

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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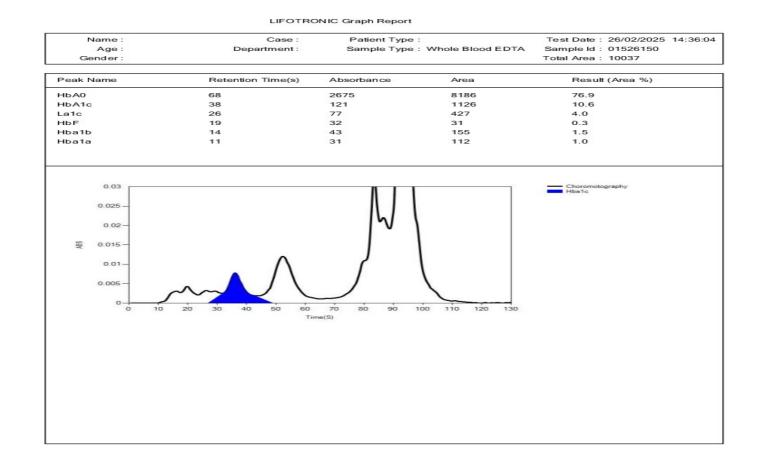
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	Dr. Vinay Chopra	Dr. Yugan	n Chopra







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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	EDVEIDO		TATION DATE (ECD)
	EKYIHKOU DIMENTATION RATE (ESR)	26 ^H	TATION RATE (mm/1st	
ystemic lupus eryth CONDITION WITH LO A low ESR can be see polycythaemia), sign s sickle cells in sick VOTE: . ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 5. Drugs such as dexis	be used to monitor disease activity ematosus W ESR en with conditions that inhibit the no nificantly high white blood cell coun le cell anaemia) also lower the ESR. re protein (C-RP) are both markers of as not change as rapidly as does CRP I by as many other factors as is ESR, re red, it is typically a result of two type we a higher ESR, and menstruation a	ormal sedimentatic t (leucocytosis) , ar f inflammation. , either at the start making it a better n es of proteins, glob and proteins, can i	n of red blood cells, s nd some protein abno c of inflammation or a: narker of inflammatior ulins or fibrinogen. ause temporary eleva	rmalities. Šome changes in red cell shape (sucl s it resolves. n.





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 26/Feb/2025 12:20PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY	/BIOCHEMIST	'RY
		GLUCOSE FAST	ГING (F)	
		331.71 ^H	mg/dL	NORMAL: < 100.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT	TAL · SERUM	177.53	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		177.55	iiig/ uL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	113.13	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBITI	L (DIRECT): SERUM	51.42	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0
LDL CHOLESTEROI by CALCULATED, SPE		103.48	mg/dL	HIGH HDL: > OR = 60.0 OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 WDD WERL - 00.0
NON HDL CHOLEST by calculated, spe		126.11	mg/dL	VERY HIGH: > OR = 190.0 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 CHOLESTERC		22.63	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE	UM	468.19	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	L RATIO: SERUM	3.45	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, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by calculated, spe		2.01	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	2.2 ^L	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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.57	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.44	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	37.65	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	45.14	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM ECTROPHOTOMETRY	0.83	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	135.84 ^H	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRON	L TRANSFERASE (GGT): SERUM PHTOMETRY	126.09 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.24	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.3	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		2.94	gm/dL	2.30 - 3.50
A : G RATIO: SERUI by CALCULATED, SPE	M	1.46	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:

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





	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultan	obiology) MI	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. KAPIL GOEL		
AGE/ GENDER	: 51 YRS/MALE	PATIENT ID	: 1722244
COLLECTED BY	:	REG. NO./LAB NO.	: 012502260006
REFERRED BY	:	REGISTRATION DATE	: 26/Feb/2025 08:57 AM
BARCODE NO.	: 01526150	COLLECTION DATE	: 26/Feb/2025 08:58AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 26/Feb/2025 11:30AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT	
Test Name		Value Unit	Biological Reference interval

Test Name	Value	Unit	Biological Reference interval

DECREASED:

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

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

PROGNOSTIC	SIGNIFICANCE:

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



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Test Name		Value	Unit	Biological Reference interval		
	KIDNI	EY FUNCTIO)N TEST (COMPLETE)			
UREA: SERUM		20.29	mg/dL	10.00 - 50.00		
by UREASE - GLUTAN	AATE DEHYDROGENASE (GLDH)		J			
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		1.05	mg/dL	0.40 - 1.40		
		9.48	mg/dL	7.0 - 25.0		
by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE		I. a. a.	RATIO	10.0 - 20.0		
RATIO: SERUM	(UGEN (DUN)/ CREATININE	9.03 ^L	KATIO	10.0 - 20.0		
-	ECTROPHOTOMETRY	/				
UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM ECTROPHOTOMETRY	19.32	RATIO			
URIC ACID: SERUM		3.61	mg/dL	3.60 - 7.70		
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	8.9	mg/dL	8.50 - 10.60		
by ARSENAZO III, SPE	ECTROPHOTOMETRY	0.9	iiig/ uL	8.30 - 10.00		
PHOSPHOROUS: SI		3.21	mg/dL	2.30 - 4.70		
ELECTROLYTES	DATE, SPECTROPHOTOMETRY					
SODIUM: SERUM		142.5	mmol/L	135.0 - 150.0		
by ISE (ION SELECTIVE ELECTRODE)						
POTASSIUM: SERU by ISE (ION SELECTIV		4.33	mmol/L	3.50 - 5.00		
CHLORIDE: SERUM		106.88	mmol/L	90.0 - 110.0		
by ISE (ION SELECTIN	,					
	MERULAR FILTERATION RATE					
(eGFR): SERUM	IERULAR FILTERATION RATE	85.9				
by CALCULATED						
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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, AMBA	LA CANTT			
Fest Name			Value	Un	it B	Biological Reference interval
 Severe liver diseas Other causes of degraded dialysis Inherited hyperam SIADH (syndrome of syndrome of syndrom	e. ecreased urea syn (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle co who develop ren co is (acetoacetate increased BUN/cre rapy (interferes w JLAR FILTERATION Norr Kid	creatinine diffuses o is virtually absent in l atidiuretic harmone) o ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur RATE: DESCRIPTION nal kidney function ney damage with	blood). due to tubular to creatinine; e in creatinine rement).	secretion of urea		ria otein ,
 B. Severe liver diseas Other causes of definition of the causes of the causes of the causes of the causes of the cause of th	e. ecreased urea syn (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle co who develop ren creased BUN/cre rapy (interferes w JLAR FILTERATION Norr Kid no	creatinine diffuses o is virtually absent in l atidiuretic harmone) o ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR	blood). due to tubular to creatinine) e in creatinine rement).	secretion of urea with certain met <u>(min/1.73m2)</u> >90 >90 >0 -89	hodologies,resulting ASSOCIATED FIN No proteinu Presence of Pro	DINGS ria otein ,
 B. Severe liver diseas Other causes of definition of the causes of the causes of the causes of the causes of the cause of th	e. ecreased urea syn (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCREA apy (accelerates co releases muscle co who develop ren creased BUN/cre rapy (interferes w JLAR FILTERATION Norr Kid no Mile Mode	creatinine diffuses o is virtually absent in l atidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR rate decrease in GFR	blood). due to tubular to creatinine) e in creatinine rement). GFR (mL/	secretion of urea with certain met <u>(min/1.73m2)</u> >90 >90 >90 -59	hodologies,resulting ASSOCIATED FIN No proteinu Presence of Pro	DINGS ria otein ,
5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin the CED STAGE G1 G2 G3a	e. ecreased urea syn (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCREA apy (accelerates co releases muscle co who develop ren creased BUN/cre rapy (interferes w JLAR FILTERATION INTER Norr Kid no Mode	creatinine diffuses o is virtually absent in l atidiuretic harmone) o ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR	blood). due to tubular to creatinine) e in creatinine rement). GFR (mL/	secretion of urea with certain met <u>(min/1.73m2)</u> >90 >90 >0 -89	hodologies,resulting ASSOCIATED FIN No proteinu Presence of Pro	DINGS ria otein ,



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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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