



	<b>Dr. Vinay Chopr</b> MD (Pathology & Mic Chairman & Consulta	robiology)		: Yugam ( MD (P Consultant Pa	Pathology)
NAME : N	Mrs. ANITA GAMBHIR				
AGE/ GENDER : 6	60 YRS/FEMALE		PATIENT ID		: 1602570
COLLECTED BY :			REG. NO./LAB N	10.	: 042409050002
<b>REFERRED BY</b> :			REGISTRATION	DATE	: 05/Sep/2024 08:26 AM
	A0465424		COLLECTION DA		: 05/Sep/2024 03:33PM
	KOS DIAGNOSTIC SHAHBAD		REPORTING DA		: 05/Sep/2024 04:23PM
				IL	. 05/ Sep/ 2024 04.25F M
CLIENI ADDRESS . (	3349/1, NICHOLSON ROAD, AMB	ALA CANTI			
Test Name		Value	l	Unit	Biological Reference interval
	SWAS	STHYA W	ELLNESS PAN	IEL: G	
	CON		OOD COUNT (C	BC)	
RED BLOOD CELLS (RBCS	DI COOINT AIND INDICES	10 7		( ))	10.0 1/ 0
HAEMOGLOBIN (HB) by calorimetric		13.7		gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC) (	COUNT	4.62		Millions/cm	am 3.50 - 5.00
	ISING, ELECTRICAL IMPEDENCE				
PACKED CELL VOLUME (F	,	39.5		%	37.0 - 50.0
by CALCULATED BY AUTO	MATED HEMATOLOGY ANALYZER	85.6		fL	80.0 - 100.0
	MATED HEMATOLOGY ANALYZER	05.0		IL	80.0 - 100.0
MEAN CORPUSCULAR H		29.6		pg	27.0 - 34.0
	MATED HEMATOLOGY ANALYZER				
	EMOGLOBIN CONC. (MCHC) MATED HEMATOLOGY ANALYZER	34.7		g/dL	32.0 - 36.0
RED CELL DISTRIBUTION		12.4		%	11.00 - 16.00
by CALCULATED BY AUTO	MATED HEMATOLOGY ANALYZER				
RED CELL DISTRIBUTION		40.9	1	fL	35.0 - 56.0
by CALCULATED BY AUTO MENTZERS INDEX	MATED HEMATOLOGY ANALYZER	18.53		RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED		10.55		NATIO	IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX		22.93		RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (W	(BCS)				INON DEI IGIENGT AINEIVIIA. > 03.0
TOTAL LEUCOCYTE COUN		4340		/cmm	4000 - 11000
by FLOW CYTOMETRY BY		4340			4000 - 11000
NUCLEATED RED BLOOD	CELLS (nRBCS)	NIL			0.00 - 20.00
NUCLEATED RED BLOOD	CELLS (nRBCS) %	NIL		%	< 10 %
-	MATED HEMATOLOGY ANALYZER				
DIFFERENTIAL LEUCOCY	<u>TE COUNT (DLC)</u>				
NEUTROPHILS by flow cytometry by	SF CUBE & MICROSCOPY	41 <sup>L</sup>		%	50 - 70

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LYMPHOCYTES		42 <sup>H</sup>	%	20 - 40
by FLOW CYTOMETR EOSINOPHILS	Y BY SF CUBE & MICROSCOPY	7 <sup>H</sup>	%	1-6
	Y BY SF CUBE & MICROSCOPY	/	70	1-8
MONOCYTES		10	%	2 - 12
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
	Y BY SF CUBE & MICROSCOPY	0	/0	0 - 1
ABSOLUTE LEUKOCY	TES (WBC) COUNT			
ABSOLUTE NEUTRO		1779 <sup>L</sup>	/cmm	2000 - 7500
	RY BY SF CUBE & MICROSCOPY		lamana	800 4000
ABSOLUTE LYMPHO	CYTE COUNT Y BY SF CUBE & MICROSCOPY	1823	/cmm	800 - 4900
ABSOLUTE EOSINOP		304	/cmm	40 - 440
-	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE MONOCY	TE COUNT Y BY SF CUBE & MICROSCOPY	434	/cmm	80 - 880
ABSOLUTE BASOPHI		0	/cmm	0 - 110
	Y BY SF CUBE & MICROSCOPY		,	
PLATELETS AND OTI	HER PLATELET PREDICTIVE MARKE	<u>RS.</u>		
PLATELET COUNT (P		218000	/cmm	150000 - 450000
	FOCUSING, ELECTRICAL IMPEDENCE	0.00	0/	0.10 0.3/
PLATELETCRIT (PCT)	FOCUSING, ELECTRICAL IMPEDENCE	0.29	%	0.10 - 0.36
MEAN PLATELET VO	LUME (MPV)	13 <sup>H</sup>	fL	6.50 - 12.0
	FOCUSING, ELECTRICAL IMPEDENCE		lomm	20000 00000
PLATELET LARGE CEI by HYDRO DYNAMIC	LL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	104000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CE	LL RATIO (P-LCR)	47.5 <sup>H</sup>	%	11.0 - 45.0
by HYDRO DYNAMIC PLATELET DISTRIBU		16.7	%	15.0 - 17.0
	FOCUSING, ELECTRICAL IMPEDENCE	10.7	70	13.0 - 17.0
	· · · · · · · · · · · · · · · · · · ·			



NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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BARCODE NO.	: A0465424		LLECTION DATE	: 05/Sep/2024 03:33PM	
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		PORTING DATE	: 05/Sep/2024 05:48PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM				
Test Name		Value	Unit	Biological Reference inte	erval
GLYCOSYLATED HAEI WHOLE BLOOD	GLYCC MOGLOBIN (HbA1c):	OSYLATED HAEN 7.4 <sup>H</sup>	IOGLOBIN (HBA1C) %	4.0 - 6.4	
by HPLC (HIGH PERFO ESTIMATED AVERAG	ORMANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE ORMANCE LIQUID CHROMATOGRAPHY)	165.68 <sup>H</sup>	mg/dL	60.00 - 140.00	
	AS PER AMERICAN DI	ABETES ASSOCIATIO	DN (ADA):		
	REFERENCE GROUP	GLYCO	SYLATED HEMOGLOGIB (	(HBAIC) in %	
	abetic Adults >= 18 years		<5.7		
	t Risk (Prediabetes)	5.7 - 6.4			
D	iagnosing Diabetes		>= 6.5		
			Age > 19 Years	7.0	
Thorapout	ic goals for glycemic control	Goals of T		< 7.0	
merapeut	ic goals for gryceniic control	Actions Su		>8.0	
			A		
		Goal of th	Age < 19 Years	<7.5	

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

# 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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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORT	TING DATE	: 05/Sep/2024 04:43PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMENTA	TION RATE (ESR	()
by MODIFIED WESTE	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	24 <sup>H</sup>	mm/1st h	
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth <b>CONDITION WITH LO</b> A low ESR can be see (polycythaemia), sig	does not tell the health practition acted by other conditions besides i be used to monitor disease activit ematosus W ESR en with conditions that inhibit the	ner exactly where the infla inflammation. For this rea ty and response to therap normal sedimentation of unt (leucocytosis), and so	immation is in the son, the ESR is typ y in both of the ab red blood cells, su	ically used in conjunction with other test such hove diseases as well as some others, such as

### NOTE:

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(A Unit of KOS Healthcare)

 ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 **CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.** If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while service contract of each of the start of t aspirin, cortisone, and quinine may decrease it





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COLLECTED BY	:	REG	G. NO./LAB NO.	: 042409050002
REFERRED BY	:	REG	GISTRATION DATE	: 05/Sep/2024 08:26 AM
BARCODE NO.	: A0465422	CO	LLECTION DATE	: 05/Sep/2024 03:33PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	RE	PORTING DATE	: 05/Sep/2024 05:10PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTR	Y/BIOCHEMISTR	Y
		GLUCOSE FA	STING (F)	
GLUCOSE FASTING ( by glucose oxidas	F): PLASMA SE - PEROXIDASE (GOD-POD)	141.25 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
1. A fasting plasma g 2. A fasting plasma g test (after consumpti 3. A fasting plasma g	on of 75 ams of alucose) is recon	considered normal. ng/dl is considered as nmended for all such s highly suggestive of	patients. f diabetic state. A repe	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for a atory for diabetic state.





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BARCODE NO.	: A0465425		COLLECTION DATE	: 05/Sep/2024 03:33PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		<b>REPORTING DATE</b>	: 05/Sep/2024 05:10PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	C	GLUCOSE POS	T PRANDIAL (PP)	
GLUCOSE POST PRAI by GLUCOSE OXIDAS	NDIAL (PP): PLASMA E - PEROXIDASE (GOD-POD)	167.82 <sup>H</sup>	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0

## **INTERPRETATION**

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

A post-prandial plasma glucose level below 140 mg/dl is considered normal.
 A post-prandial glucose level between 140 - 200 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.
 A post-prandial plasma glucose level of above 200 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level of above 200 mg/dl is necess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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ISO 9001 : 2008 CERT	IFIED LAB		EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS
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NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: <b>Mrs. ANITA GAMBHIR</b> : 60 YRS/FEMALE : : : : A0465423 : KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, A	REGIST COLLEC REPOR	NT ID 0./LAB NO. FRATION DATE CTION DATE CTING DATE	: 1602570 <b>: 042409050002</b> : 05/Sep/2024 08:26 AM : 05/Sep/2024 03:32PM : 05/Sep/2024 04:17PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE :	BASIC	
CHOLESTEROL TOTA by CHOLESTEROL O		211.78 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SEI by GLYCEROL PHOS	RUM phate oxidase (enzymatic)	174.64 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL ( by SELECTIVE INHIBIT		66.64	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: 5 by CALCULATED, SPE		110.21	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 CHOLESTE by CALCULATED, SP	EROL: SERUM ECTROPHOTOMETRY	145.14 <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 by CALCULATED, SPE		34.93	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU		598.2	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL		3.18	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SEF by CALCULATED, SPE	RUM Ectrophotometry	1.65	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM	2.62 <sup>L</sup>	RATIO	3.00 - 5.00

by CALCULATED, SPECTROPHOTOMETRY 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 ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVE	R FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: SI by diazotization, SF	ERUM PECTROPHOTOMETRY	0.56	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT	(UNCONJUGATED): SERUM	0.41	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	23.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	22.3	U/L	0.00 - 49.00
AST/ALT RATIO: SER	UM	1.05	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		116.47	U/L	40.0 - 130.0
GAMMA GLUTAMYL by SZASZ, SPECTROF	TRANSFERASE (GGT): SERUM	50.92	U/L	0.00 - 55.0
TOTAL PROTEINS: SE	RUM	7.16	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.22	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE		2.94	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.44	RATIO	1.00 - 2.00

Dr. Vinay Chopra

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





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**INTERPRETATION** 





	Dr. Vinay Chop MD (Pathology & Mid Chairman & Consult:	crobiology) MD	n <b>Chopra</b> D (Pathology) ht Pathologist
NAME	: Mrs. ANITA GAMBHIR		
AGE/ GENDER	: 60 YRS/FEMALE	PATIENT ID	: 1602570
COLLECTED BY	:	REG. NO./LAB NO.	: 042409050002
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 05/Sep/2024 08:26 AM
BARCODE NO.	: A0465423	COLLECTION DATE	: 05/Sep/2024 03:32PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	<b>REPORTING DATE</b>	: 05/Sep/2024 04:17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT	
Test Name		Value Unit	Biological Reference interval
HEPATOCELLULAR C.	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly In	creased)

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
	кі	DNEY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		26.17	mg/dL	10.00 - 50.00
by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)		20117	ing, de	
CREATININE: SERUM		0.76	mg/dL	0.40 - 1.20
by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		12.23	mg/dL	7.0 - 25.0
by CALCULATED, SPECTROPHOTOMETRY				
BLOOD UREA NITROGEN (BUN)/CREATININE		16.09	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININE RATIO: SERUM		34.43	RATIO	
by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM		6.02	mg/dL	2.50 - 6.80
by URICASE - OXIDASE PEROXIDASE		0.02	nig/ dE	2.30 - 0.00
CALCIUM: SERUM		9.46	mg/dL	8.50 - 10.60
by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM		3.2	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	0.2	ing/ dE	2.00 1.70
ELECTROLYTES				
SODIUM: SERUM		145.2	mmol/L	135.0 - 150.0
by ise (ion selective electrode) POTASSIUM: SERUM		4.32	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				
CHLORIDE: SERUM		108.9	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	89.6		
(eGFR): SERUM		1.10		
by CALCULATED				

### 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.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		-			
	Dr. Vinay ChopraDr. Yugam ChopMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist		(Pathology)	logy)	
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Test Name		Value	Unit	Biological	Reference interval
<ol> <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> </ol>	nd starvation.	nt in blood). one) due to tubular se I <b>E:</b>	·		
<ol> <li>2. Rhabdomyolysis (r</li> <li>3. Muscular patients</li> <li><b>NAPPROPIATE RATIO</b></li> <li>1. Diabetic ketoacido</li> <li>should produce an in</li> <li>2. Cephalosporin thei</li> </ol>	eleases muscle creatinine). who develop renal failure.	crease in creatinine wi	th certain methodolo	ogies,resulting in norma	l ratio when dehydration
CKD STAGE	DESCRIPTION	GFR ( mL/mi	n/1.73m2) AS	SOCIATED FINDINGS	]
G1	Normal kidney funct			No proteinuria	
G2	Kidney damage wit			resence of Protein ,	
G3a	normal or high GFI Mild decrease in GF			umin or cast in urine	
GSd		CED 201			4

Moderate decrease in GFR
Severe decrease in GFR
Kidney failure

30-59

15-29

<15

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



G3b

G4

G5









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Test Name	Valu	e 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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