



	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mr. S.P JAIN			
AGE/ GENDER	: 78 YRS/MALE		PATIENT ID	: 1784736
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503090057
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 09/Mar/2025 12:04 PM
BARCODE NO.	: 01526816		COLLECTION DATE	:09/Mar/2025 12:13PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Mar/2025 12:32PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWAST	THYA WI	ELLNESS PANEL: G	
			OOD COUNT (CBC)	
<b>RED BLOOD CELLS</b>	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI	3)	10.8 <sup>L</sup>	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (1	PBC) COUNT	3.74	Millions	/cmm 3.50 - 5.00
by HYDRO DYNAMIC F	DCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLU	IME (PCV) JTOMATED HEMATOLOGY ANALYZER	33.2 <sup>L</sup>	%	40.0 - 54.0
MEAN CORPUSCULA	AR VOLUME (MCV)	88.7	fL	80.0 - 100.0
	JTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	28.9	pg	27.0 - 34.0
by CALCULATED BY A	JTOMATED HEMATOLOGY ANALYZER			
	AR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	32.6	g/dL	32.0 - 36.0
RED CELL DISTRIBU	JTION WIDTH (RDW-CV)	14.3	%	11.00 - 16.00
•	JTOMATED HEMATOLOGY ANALYZER JTION WIDTH (RDW-SD)	47.3	fL	35.0 - 56.0
by CALCULATED BY A	JTOMATED HEMATOLOGY ANALYZER			
MENTZERS INDEX by CALCULATED		23.72	RATIO	BETA THALASSEMIA TRAIT: 13.0
				IRON DEFICIENCY ANEMIA:
		00.04	DATIO	>13.0
GREEN & KING IND by CALCULATED	EX	33.94	RATIO	BETA THALASSEMIA TRAIT: 65.0
				IRON DEFICIENCY ANEMIA: 65.0
WHITE BLOOD CEI	LS (WBCS)			
TOTAL LEUCOCYTE		7250	/cmm	4000 - 11000
,	by sf cube & microscopy LOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	T HEMATOLOGY ANALYZER			
	LOOD CELLS (nRBCS) %	NIL	%	< 10 %





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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	70	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	21	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	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	5075	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy	1522	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	218	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	435	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
ABSOLUTE IMMATURE GRANULOCYTE COUNT by flow cytometry by sf cube & microscopy	0	/cmm	0.0 - 999.0
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	149000 <sup>L</sup>	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.19	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 <sup>H</sup>	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	70000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	47.2 <sup>H</sup>	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	16.2	%	15.0 - 17.0



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Test Name	Va	ha Unit	Piological Deference interval

Test NameValueUnitBiological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		TING DATE	: 09/Mar/2025 01:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
Test Name		Value	Unit	<b>Biological Reference interval</b>
ESTIMATED AVERAG	MOGLOBIN (HbA1c):	COSYLATED HAEMOG 5.6 114.02	<b>LOBIN (HBA1C)</b> % mg/dL	4.0 - 6.4 60.00 - 140.00
	AS PER AMERICAN DIA	BETES ASSOCIATION (ADA):		
	FERENCE GROUP	GLYCOSYLATED H	MOGLOGIB (HBAIC) in	n %
	etic Adults >= 18 years		<5.7	
	Risk (Prediabetes) gnosing Diabetes		5.7 − 6.4 >= 6.5	
Dia		Age	> 19 Years	
		Goals of Therapy:	< 7.0	)
Therapeutic	goals for glycemic control	Actions Suggested:	>8.0	
		Age	< 19 Years	

## 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.

Goal of therapy:

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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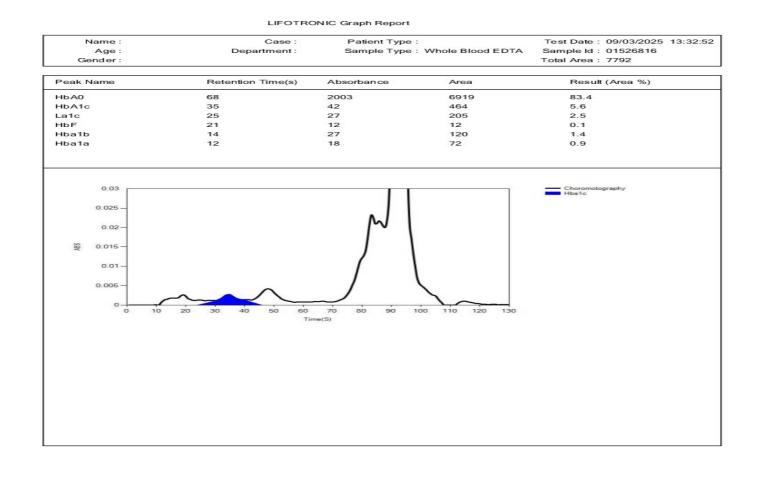
Page 4 o







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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT	
Test Name		Value Unit	Biological Reference interval







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LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:09/Mar/2025 12:50PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
est Name		Value	Unit	Biological Reference interval
stemic lupus erythe <b>DNDITION WITH LOV</b> low ESR can be seen olycythaemia), sign	ematosus <b>V ESR</b> n with conditions that inhibit the r	normal sedimen int (leucocytosis R. of inflammation	tation of red blood cells, s ) , and some protein abno	bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (suc





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MBBS, MD (PATHOLOGY)







	MD (Path	ay Chopra ology & Microbiology) & Consultant Pathologist	Dr. Yugarı MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
	C	LINICAL CHEMIST	RY/BIOCHEMIST	'RY
		GLUCOSE F	ASTING (F)	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.

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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J 9001 : 2008 CERTI	IFIED LAB		EXCELLENCE IN HEALTHCARE	a DIAGNOSTICS
		hopra Dr. Yugam Chopra & Microbiology) MD (Pathology) Insultant Pathologist CEO & Consultant Pathologist		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: <b>Mr. S.P JAIN</b> : 78 YRS/MALE : SURJESH : : 01526816 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1784736 <b>: 012503090057</b> : 09/Mar/2025 12:04 PM : 09/Mar/2025 12:13PM : 09/Mar/2025 01:38PM
Test Name		Value	Unit	<b>Biological Reference interval</b>
CHOLESTEROL TOT		<b>LIPID PRO</b> 158.77	DFILE : BASIC mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 -
TRIGLYCERIDES: SI		96.59	mg/dL	239.0 HIGH CHOLESTEROL: > OR = 240.0 OPTIMAL: < 150.0
	HATE OXIDASE (ENZYMATIC)	00.00	ing/ di	BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
by SELECTIVE INHIBITI		62.26	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL by CALCULATED, SPE		77.19	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		96.51	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 CHOLESTERC by CALCULATED, SPE		19.32	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SER		414.13	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		2.55	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	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		1.24	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		1.55 <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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Test Name	Value	Unit	<b>Biological Reference interval</b>
LIVER	FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.39	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.07	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.32	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	15.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	10.1	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.57	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	76.38	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	10.57	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.28	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.11	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.17 <sup>L</sup>	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.89	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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NAME





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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).

GOOD PROGNOSTIC SIGN 0.3 - 0.6	
POOR PROGNOSTIC SIGN 1.2 - 1.6	



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

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	Dr. Vinay Chc MD (Pathology & I Chairman & Const	Microbiology)	Dr. Yugam MD ( CEO & Consultant	(Pathology)
NAME	: Mr. S.P JAIN			
AGE/ GENDER	: 78 YRS/MALE	PA	TIENT ID	: 1784736
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012503090057
<b>REFERRED BY</b>	:	RE	GISTRATION DATE	: 09/Mar/2025 12:04 PM
BARCODE NO.	: 01526816	CO	LLECTION DATE	:09/Mar/2025 12:13PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 09/Mar/2025 01:59PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	KIDN	EY FUNCTION T	FEST (COMPLETE)	
UREA: SERUM		44.95	mg/dL	10.00 - 50.00
-	ATE DEHYDROGENASE (GLDH)	1.10		
CREATININE: SERU by ENZYMATIC, SPEC		1.18	mg/dL	0.40 - 1.40
	OGEN (BUN): SERUM	21	mg/dL	7.0 - 25.0
by CALCULATED, SPE BLOOD URFA NITE	CCTROPHOTOMETRY ROGEN (BUN)/CREATININE	17.8	RATIO	10.0 - 20.0
RATIO: SERUM		11.0	101110	10.0 20.0
by CALCULATED, SPE		38.09	RATIO	
UREA/CREATININ by CALCULATED, SPE		38.09	KATIO	
URIC ACID: SERUM		5.93	mg/dL	3.60 - 7.70
by URICASE - OXIDAS CALCIUM: SERUM	E PEROXIDASE	9.95	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	CTROPHOTOMETRY	0.00	ilig/ uL	0.00 10.00
PHOSPHOROUS: SE	ERUM DATE, SPECTROPHOTOMETRY	3.31	mg/dL	2.30 - 4.70
ELECTROLYTES	ATE, SPECINOPHOTOMETRY			
SODIUM: SERUM by ISE (ION SELECTIV	ELECTRODE)	135.1	mmol/L	135.0 - 150.0
POTASSIUM: SERUE by ISE (ION SELECTIV	M	5.73 <sup>H</sup>	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV	1	101.32	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
ESTIMATED GLOM	ERULAR FILTERATION RATE	63.2		

ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM

**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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by CALCULATED



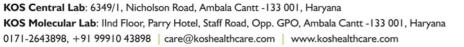


		& Microbiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
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COLLECTED BY	: SURJESH	REG. NO./LAB N	0. : 012503090057	
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BARCODE NO.	: 01526816	COLLECTION DA		
CLIENT CODE.				
	: KOS DIAGNOSTIC LAB	REPORTING DAT	<b>TE</b> : 09/Mar/2025 01:59PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT		
Test Name		Value U	init Biological Reference interva	
1. Acute tubular necr				
<ol> <li>5. Repeated dialysis</li> <li>6. Inherited hyperam</li> <li>7. SIADH (syndrome of B. Pregnancy.</li> <li>DECREASED RATIO (&lt;</li> <li>1. Phenacimide thera</li> <li>2. Rhabdomyolysis (r</li> <li>3. Muscular patients</li> <li>INAPPROPIATE RATIC</li> <li>1. Diabetic ketoacido</li> <li>should produce an ir</li> <li>2. Cephalosporin the</li> <li>ESTIMATED GLOMERI</li> </ol>	e. ecreased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> upy (accelerates conversion of c eleases muscle creatinine). who develop renal failure. c: usis (acetoacetate causes false i icreased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE:	mone) due to tubular secretion of un INE: creatine to creatinine). increase in creatinine with certain me measurement).	ethodologies,resulting in normal ratio when dehydra	
<ol> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>PCREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIC</li> <li>Diabetic ketoacido</li> <li>should produce an ir</li> <li>Cephalosporin the</li> <li>CETIMATED GLOMERI</li> <li>CKD STAGE</li> </ol>	e. creased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> upy (accelerates conversion of c releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false i icreased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE: 	sent in blood). mone) due to tubular secretion of un INE: creatine to creatinine). increase in creatinine with certain me measurement). GFR ( mL/min/1.73m2 )	ethodologies,resulting in normal ratio when dehydra ASSOCIATED FINDINGS	
<ol> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIC</li> <li>Diabetic ketoacido</li> <li>should produce an ir</li> <li>Cephalosporin the</li> <li>ESTIMATED GLOMERI</li> <li>G1</li> </ol>	e. creased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually abs of inappropiate antidiuretic har <b>10:1) WITH INCREASED CREATIN</b> upy (accelerates conversion of c releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false i icreased BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE: 	sent in blood). mone) due to tubular secretion of ure INE: creatine to creatinine). increase in creatinine with certain me measurement). GFR (mL/min/1.73m2) action >90	ethodologies,resulting in normal ratio when dehydra ASSOCIATED FINDINGS No proteinuria	
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<ol> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>Should produce an ir</li> <li>Cephalosporin the</li> <li>ESTIMATED GLOMERI</li> <li>G1</li> <li>G2</li> </ol>	e. creased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually absorb of inappropiate antidiuretic harman <b>10:1) WITH INCREASED CREATIN</b> upy (accelerates conversion of c releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in creased BUN/creatinine ratio). rapy (interferes with creatinine <u>JLAR FILTERATION RATE:</u> <u>DESCRIPTION</u> <u>Normal kidney fun</u> <u>Kidney damage w</u> <u>normal or high G</u>	sent in blood). mone) due to tubular secretion of ure <b>INE:</b> creatine to creatinine). increase in creatinine with certain me measurement). GFR (mL/min/1.73m2) inction >90 vith >90 GFR GFR 60 -89	ethodologies,resulting in normal ratio when dehydra           ASSOCIATED FINDINGS           No proteinuria           Presence of Protein ,	
<ol> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIC</li> <li>Diabetic ketoacido</li> <li>Should produce an in</li> <li>Cephalosporin the</li> <li>ESTIMATED GLOMERI</li> <li>G1</li> <li>G2</li> <li>G3a</li> </ol>	e. creased urea synthesis. (urea rather than creatinine dif imonemias (urea is virtually absorb of inappropiate antidiuretic hard <b>10:1) WITH INCREASED CREATIN</b> upy (accelerates conversion of con- releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in creased BUN/creatinine ratio). rapy (interferes with creatinine) <b>JAR FILTERATION RATE:</b> <b>DESCRIPTION</b> Normal kidney fun Kidney damage wonormal or high Gon Mild decrease in	sent in blood). mone) due to tubular secretion of ure <b>INE:</b> creatine to creatinine). increase in creatinine with certain me measurement). GFR (mL/min/1.73m2) inction >90 vith >90 GFR GFR 60 -89 in GFR 30-59 n GFR 15-29	ethodologies,resulting in normal ratio when dehydra           ASSOCIATED FINDINGS           No proteinuria           Presence of Protein ,	



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









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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name		/alue 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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