



	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME	: Mr. RAHUL SAINI				
AGE/ GENDER	: 40 YRS/MALE		PATIENT ID	: 1750817	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502090031	
REFERRED BY	:		<b>REGISTRATION DATE</b>	:09/Feb/2025 11:01 AM	
BARCODE NO.	:01525210		COLLECTION DATE	:09/Feb/202511:05AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Feb/2025 11:28AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT			
Test Name		Value	Unit	Biological Reference inte	erval
	SWAST	THYA WI	ELLNESS PANEL: G		
	COMP	PLETE BL	OOD COUNT (CBC)		
RED BLOOD CELLS	(RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HE	3)	13	gm/dL	12.0 - 17.0	
by CALORIMETRIC RED BLOOD CELL (I	RBC) COUNT	4.84	Millions/	/cmm 3.50 - 5.00	
by HYDRO DYNAMIC FO	DCUSING, ELECTRICAL IMPEDENCE				
PACKED CELL VOLU	ME (PCV) JTOMATED HEMATOLOGY ANALYZER	39.3 <sup>L</sup>	%	40.0 - 54.0	
MEAN CORPUSCULA	R VOLUME (MCV) JTOMATED HEMATOLOGY ANALYZER	81.2	fL	80.0 - 100.0	
	AR HAEMOGLOBIN (MCH)	26.9 <sup>L</sup>	pg	27.0 - 34.0	
	JTOMATED HEMATOLOGY ANALYZER				
	AR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	33.1	g/dL	32.0 - 36.0	
	JTION WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	13.7	%	11.00 - 16.00	
	JTION WIDTH (RDW-SD)	41.8	fL	35.0 - 56.0	
,	JTOMATED HEMATOLOGY ANALYZER	16 70	DATIO	ρετά τιμαι αςςεμία τρ	۸ IT.
MENTZERS INDEX by CALCULATED		16.78	RATIO	BETA THALASSEMIA TRA 13.0	AII:<
				IRON DEFICIENCY ANEM	IIA:
GREEN & KING IND	FX	23.02	RATIO	>13.0 BETA THALASSEMIA TR	
by CALCULATED		20.02	INTIO	65.0	
				IRON DEFICIENCY ANEM	1IA: >
				65.0	
WHITE BLOOD CEI	LS (WBCS)			4000 - 11000	
FOTAL LEUCOCYTE	COUNT (TLC)	5840	/cmm	4000 - 11000	
FOTAL LEUCOCYTE		5840 NIL	/cmm	0.00 - 20.00	
NUCLEATED RED B	COUNT (TLC) by sf cube & microscopy		/cmm %		





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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

MD (Pathology) CEO & Consultant Pathologist

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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	66	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	26	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	7	%	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	3854	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1518	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	58	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	409	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	306000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.28	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	9	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	60000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	19.7	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.2	%	15.0 - 17.0





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	ING DATE	: 09/Feb/2025 03:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOGL	) BIN (HBA1C)	
GLYCOSYLATED HAE WHOLE BLOOD		9.2 <sup>H</sup>	%	4.0 - 6.4
by HPLC (HIGH PERFORM ESTIMATED AVERAG	IANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE IANCE LIQUID CHROMATOGRAPHY)	217.34 <sup>H</sup>	mg/dL	60.00 - 140.00
	AS PER AMERICAN DIA	BETES ASSOCIATION (ADA):		
ŀ				n %
	FERENCE GROUP	GLYCOSYLATED HEM		1 78
Non diab	FERENCE GROUP etic Adults >= 18 years	<	5.7	
Non diab At F	FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	5.7	5.7 - 6.4	
Non diab At F	FERENCE GROUP etic Adults >= 18 years	5.7	5.7 - 6.4 6.5	
Non diab At F	FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	<ul> <li>5.7</li> <li>Age &gt;</li> </ul>	5.7 - 6.4 6.5 <b>19 Years</b>	
Non diab At F Dia	FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	<ul> <li>5.7</li> <li>&gt;</li> <li>Age &gt;</li> <li>Goals of Therapy:</li> </ul>	5.7 - 6.4 6.5 19 Years < 7.0	
Non diab At F Dia	FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	<ul> <li>5.7</li> <li>5.7</li> <li>Age &gt;</li> <li>Goals of Therapy:</li> <li>Actions Suggested:</li> </ul>	5.7 - 6.4 6.5 <b>19 Years</b>	

## 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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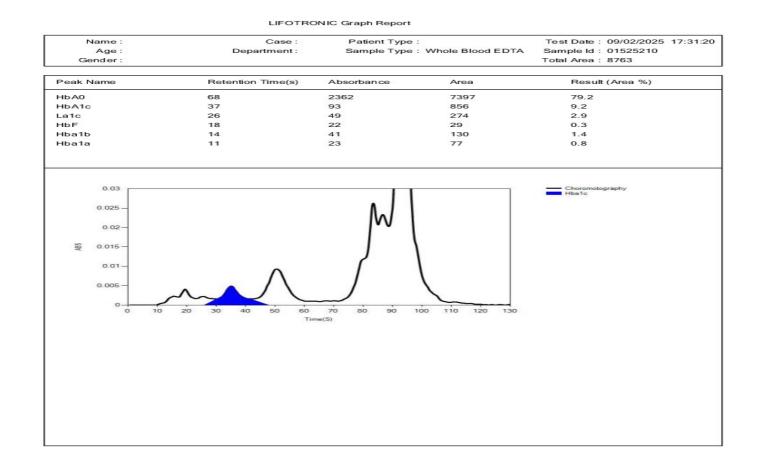
TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT







Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant PathologistDr. Yugam Chopra MD (Pathology) CEO & Consultant PathologistNAME: Mr. RAHUL SAINIAGE/ GENDER: 40 YRS/MALEPATIENT ID: 1750817COLLECTED BY: SURJESHREFERRED BY:: 01525210COLLECTION DATECOLLECTION DATE: 09/Feb/2025 11:01 AMBARCODE NO.: 01525210CILIENT CODE.: KOS DIAGNOSTIC LABREPORTING DATE: 09/Feb/2025 03:11PMCLIENT ADDRESS: 6349/1, NICHOLSON ROAD, AMBALA CANTT	Test Name		Value Unit	<b>Biological Reference interval</b>
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CLIENT CODE.	: KOS DIAGNOST	IC LAB		REPORTING DATE	:09/Feb/202511:46AM
CLIENT ADDRESS	: 6349/1, NICHO	LSON ROAD, AM	IBALA CANTT		
Test Name			Value	Unit	Biological Reference interval
ERYTHROCYTE SE			CYTE SEDIN 54 <sup>H</sup>	MENTATION RATE (I mm/1st	
systemic lupus eryth CONDITION WITH LO A low ESR can be see	be used to monitor ematosus <b>W ESR</b> en with conditions t	hat inhibit the no e blood cell coun o lower the ESR.	ormal sedimen	tation of red blood cells, su ) , and some protein abnor	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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BARCODE NO.	:01525210	COLL	ECTION DATE	:09/Feb/202511:05AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 09/Feb/2025 02:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY GLUCOSE FAST		'nY
			mg/dL	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

**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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROF	LE · BASIC	
CHOLESTEROL TO	TAL · SFRUM	153.62	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		133.02	ing/ uL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	71.45	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
	L (DIRECT): SERUM	37.16	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0
by SELECTIVE INHIBIT	ION			BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		102.17	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 CHOLES' by CALCULATED, SPE		116.46	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0
VLDL CHOLESTER		14.29	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPE FOTAL LIPIDS: SER by CALCULATED, SPE	RUM	378.69	mg/dL	350.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE	DL RATIO: SERUM	4.13	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, AM	IBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		2.75	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		1.92 <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.

 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
BILIRUBIN TOTAL	: SERUM	<b>FUNCTION</b>	<b>TEST (COMPLETE)</b> mg/dL	INFANT: 0.20 - 8.00
	PECTROPHOTOMETRY			ADULT: 0.00 - 1.20
	Γ (CONJUGATED): SERUM SPECTROPHOTOMETRY	0.26	mg/dL	0.00 - 0.40
	CT (UNCONJUGATED): SERUM	0.74	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	17.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	33.5	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.53	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM I'YL PHOSPHATASE BY AMINO METHYL	99.93	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	48.93	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.39	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.09	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		2.3	gm/dL	2.30 - 3.50
A : G RATIO: SERUN		1.78	RATIO	1.00 - 2.00

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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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**INTERPRETATION** 





	<b>Dr. Vinay Chop</b> MD (Pathology & Mi Chairman & Consult	crobiology) ME	m Chopra D (Pathology) at Pathologist
NAME	: Mr. RAHUL SAINI		
AGE/ GENDER	: 40 YRS/MALE	PATIENT ID	: 1750817
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502090031
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	:09/Feb/2025 11:01 AM
BARCODE NO.	: 01525210	COLLECTION DATE	:09/Feb/202511:05AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 09/Feb/2025 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT	
			<u>/</u>
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).

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
	KIDNE	EY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		19.22	mg/dL	10.00 - 50.00
CREATININE: SERU		0.87	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC BLOOD UREA NITR by CALCULATED, SPE	ROGEN (BUN): SERUM	8.98	mg/dL	7.0 - 25.0
	ROGEN (BUN)/CREATININE	10.32	RATIO	10.0 - 20.0
by CALCULATED, SPE UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	22.09	RATIO	
URIC ACID: SERUM by URICASE - OXIDAS	1	3.25 <sup>L</sup>	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE		9.79	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE by phosphomolybe	ERUM DATE, SPECTROPHOTOMETRY	4.62	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	143.2	mmol/L	135.0 - 150.0
POTASSIUM: SERU	Μ	4.85	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV	1	107.4	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	111.9		

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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	. SUIGESTI							
REFERRED BY	:			<b>REGISTRATION D</b>		:09/Feb/20251		
BARCODE NO.	:01525210			COLLECTION DAT	<b>E</b>	:09/Feb/20251	1:05AM	
CLIENT CODE.	: KOS DIAGN	OSTIC LAB		REPORTING DAT	E	:09/Feb/20251	2:09PM	
CLIENT ADDRESS	: 6349/1, NI	CHOLSON ROAD, AMI	SALA CANTT	,				
Test Name			Value	Un	nit	Biolog	șical Reference in	nterval
<ol> <li>Excess protein intal burns, surgery, cache.</li> <li>Urine reabsorption</li> <li>Reduced muscle m</li> <li>Certain drugs (e.g. INCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (&lt;1</li> </ol>	kia, high fever) (e.g. ureter col ass (subnorma cetracycline, gl D:1) WITH ELEV (BUN rises dis cuperimposed D:1) WITH DEC Dsis.	ostomy) I creatinine productio ucocorticoids) <b>ATED CREATININE LEV</b> proportionately more on renal disease.	n) <b>ELS</b> :				lrome, high proteiı	n diet,
5. Excess protein intal burns, surgery, cache. 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. <b>INCREASED RATIO (&gt;2</b> 1. Postrenal azotemia 2. Prerenal azotemia 2. Prerenal azotemia 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (re 3. Muscular patients 5. Muscular patients 5. Muscular patients 5. Muscular patients 5. Muscular patients	te or production tia, high fever) (e.g. ureter color ass (subnorman tetracycline, gl <b>D:1) WITH ELEV</b> (BUN rises dis- superimposed <b>D:1) WITH DEC</b> biss. d starvation. treased urea signification treased urea signification treased urea signification treased urea signification <b>D:1) WITH INCF</b> by (accelerates teases muscle who develop re- tis (acetoaceta reased BUN/c apy (interferess LAR FILTERATION LAR FILT	ostomy) I creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : An creatinine diffuses that is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatin creatinine). enal failure. te causes false increat reatinine ratio). with creatinine meas DN RATE: DESCRIPTION rmal kidney function idney damage with	n) ELS: than creatin out of extrac blood). due to tubu e to creatini se in creatini urement).	ine) (e.g. obstructive cellular fluid). Ilar secretion of urea ne).	e uropath a. thodologie ASSO N Pres	y). es,resulting in no <u>CIATED FINDINGS</u> o proteinuria ence of Protein ,	ormal ratio when d	
5. Excess protein intal burns, surgery, cache. 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 0. CEREASED RATIO (<1 1. Acute tubular necro 2. Low protein diet ar 3. Severe liver disease 4. Other causes of der 5. Repeated dialysis ( 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. 0. Pregnancy. 0. Pregnancy. 0. Phenacimide thera 2. Rhabdomyolysis (ref 3. Muscular patients of 1. Diabetic ketoacido: 1. Diabetic ketoa	te or production tia, high fever) (e.g. ureter color ass (subnorman tetracycline, gl <b>D:1) WITH ELEV</b> (BUN rises dis- superimposed <b>D:1) WITH DEC</b> biss. d starvation. treased urea so treased ureas so treased urea so treased urea so treased urea so treased urea so treased urea so treased urea so treased ureased ureased treased ureased ureased treased ureased	ostomy) I creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : An creatinine diffuses that is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatir creatinine). enal failure. te causes false increat reatinine ratio). with creatinine meas DN RATE: DESCRIPTION rmal kidney function idney damage with normal or high GFR_	n) ELS: than creatin out of extrac blood). due to tubu e to creatini se in creatini urement).	ine) (e.g. obstructive cellular fluid). Ilar secretion of urea ne). ine with certain met <u>nL/min/1.73m2 ) &gt;90 &gt;90</u>	e uropath a. thodologie ASSO N Pres	y). es,resulting in no CIATED FINDINGS o proteinuria	ormal ratio when d	
5. Excess protein intal burns, surgery, cache. 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 2. Prerenal azotemia 3. Severe liver disease 4. Other causes of der 5. Repeated dialysis ( 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (ref 8. Muscular patients of NAPPROPIATE RATIO 1. Diabetic ketoacidos should produce an ind 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1 G2 G3a	te or production tia, high fever) (e.g. ureter color ass (subnorman tetracycline, gl <b>D:1) WITH ELEV</b> (BUN rises dis- superimposed <b>D:1) WITH DEC</b> biss. d starvation. treased urea signification treased urea signification treased urea signification treased urea signification <b>D:1) WITH INCF</b> by (accelerates teleases muscle who develop re- sis (acetoaceta reased BUN/c apy (interferess LAR FILTERATION NO	ostomy) I creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : An creatinine diffuses that is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatir creatinine). enal failure. te causes false increat reatinine ratio). with creatinine meas DN RATE: DESCRIPTION rmal kidney function idney damage with normal or high GFR_	n) ELS: than creatini out of extract blood). due to tubu e to creatini se in creatini urement).	ine) (e.g. obstructive cellular fluid). Ilar secretion of urea ne). ine with certain met <u>nL/min/1.73m2 ) &gt;90 &gt;90 60 -89</u>	e uropath a. thodologie ASSO N Pres	y). es,resulting in no <u>CIATED FINDINGS</u> o proteinuria ence of Protein ,	ormal ratio when d	
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Test Name	v	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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