



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
AME	: Mr. BAL MUKAND				
GE/ GENDER	: 73 YRS/MALE		PATIENT ID	: 857305	
OLLECTED BY	:		REG. NO./LAB NO.	:012502	280010
EFERRED BY	:		REGISTRATION DATE	:28/Feb/2	2025 10:13 AM
ARCODE NO.	: 01526237		COLLECTION DATE		2025 10:14AM
LIENT CODE. LIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB/		REPORTING DATE	: 28/Feb/2	025 10:54AM
Fest Name		Value	Unit	B	iological Reference interval
	SWAST	'HYA WE	LLNESS PANEL: G		
	COMP	LETE BLO	OOD COUNT (CBC)		
ED BLOOD CELLS	(RBCS) COUNT AND INDICES				
IAEMOGLOBIN (HB))	14	gm/dL	1	2.0 - 17.0
by CALORIMETRIC CED BLOOD CELL (R	BC) COUNT cusing, electrical impedence	5.01 ^H	Millions	cmm 3	8.50 - 5.00
ACKED CELL VOLU		42.9	%	4	0.0 - 54.0
IEAN CORPUSCULA		85.6	fL	8	80.0 - 100.0
IEAN CORPUSCULA	R HAEMOGLOBIN (MCH) TOMATED HEMATOLOGY ANALYZER	28	pg	2	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC) TOMATED HEMATOLOGY ANALYZER	32.7	g/dL	3	22.0 - 36.0
	TION WIDTH (RDW-CV) TOMATED HEMATOLOGY ANALYZER	15.8	%	1	1.00 - 16.00
	TION WIDTH (RDW-SD) TOMATED HEMATOLOGY ANALYZER	50.8	fL	3	5.0 - 56.0
IENTZERS INDEX by CALCULATED		17.09	RATIO	1 I	BETA THALASSEMIA TRAIT: < 3.0 RON DEFICIENCY ANEMIA: •13.0
REEN & KING INDE		27.05	RATIO	6 I	BETA THALASSEMIA TRAIT:< 5.0 RON DEFICIENCY ANEMIA: > 5.0
VHITE BLOOD CELI					
	BY SF CUBE & MICROSCOPY	9450	/cmm		.000 - 11000
	OOD CELLS (nRBCS) THEMATOLOGY ANALYZER	NIL	%		0.00 - 20.00
•	OOD CELLS (nRBCS) %	NIL			: 10 %

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. BAL MUKAND AGE/ GENDER : 73 YRS/MALE **PATIENT ID** :857305 **COLLECTED BY** :012502280010 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 28/Feb/2025 10:13 AM **BARCODE NO.** :01526237 **COLLECTION DATE** : 28/Feb/2025 10:14AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 28/Feb/2025 10:54AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 67 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 16^L % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ЯH EOSINOPHILS % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 9 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 6332 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1512 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 756^H /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 850 /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 MARKERS. PLATELET COUNT (PLT) 150000 - 450000 128000^L /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.17 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) fL 17^H 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 69.1^H 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.7% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE **KINDLY CORRELATE CLINICALLY**

Dr. Vinay Chopra

ADVICE



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

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AGE/ GENDER	: 73 YRS/MALE	PATIENT ID	: 857305
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Test Name	Value	unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED.



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 28/Feb/2025 02:05PM
			NIING DAIL	: 28/ Feb/ 2023 02:03F M
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD	AEMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY)	12.4 ^H	%	4.0 - 6.4
ESTIMATED AVERA by HPLC (HIGH PERFO	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	309.18 ^H	mg/dL	60.00 - 140.00
INTERPRETATION:				
		DIABETES ASSOCIATION (
	REFERENCE GROUP	GLYCOSYLATED HEMOGLOGIB (HBAIC) in %		(HBAIC) in %
	-		F 7	
Non di	abetic Adults >= 18 years		<5.7	
Non di A	t Risk (Prediabetes)		5.7 - 6.4	
Non di A			5.7 – 6.4 >= 6.5	
Non di A	t Risk (Prediabetes)		5.7 - 6.4 >= 6.5 Age > 19 Years	< 7.0
Non di A D	t Risk (Prediabetes)	Goals of The	5.7 - 6.4 >= 6.5 Age > 19 Years rapy:	<7.0 >8.0
Non di A D	t Risk (Prediabetes) iagnosing Diabetes		5.7 - 6.4 >= 6.5 Age > 19 Years rapy:	-

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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 appropiate.

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 faisely 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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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LIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Cest Name		Value	Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMENT	FATION RATE (ESR)
An ESR can be affe s C-reactive protein This test may also ystemic lupus eryth ONDITION WITH LO low ESR can be see polycythaemia), sigr s sickle cells in sickl IOTE: ESR and C - reactiv	be used to monitor disease act ematosus W ESR n with conditions that inhibit t	es inflammation. For this tivity and response to the the normal sedimentation count (leucocytosis), and ESR. ers of inflammation.	reason, the ESR is ty rapy in both of the a of red blood cells, s some protein abno	picallý used in conjunctión with other test such above diseases as well as some others, such as uch as a high red blood cell count ormalities. Some changes in red cell shape (such
. CRP is not affected . If the ESR is elevat . Women tend to ha . Drugs such as dext	by as many other factors as is ed, it is typically a result of two ye a higher ESR, and menstrua	ESR, making it a better ma o types of proteins, globul tion and pregnancy can ca	irker of inflammation lins or fibrinogen. use temporary eleva	n.





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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

MBBS, MD (PATHOLOGY)



Page 5 of 13





		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOI	RTING DATE	: 28/Feb/2025 11:28AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			DIOCHEMICT	70.77
	CLINI	ICAL CHEMISTRY/	BIOCHEMIS I	ĸı
	CLINI	GLUCOSE FAST		ĸı

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name		Value	Unit	Biological Reference interval
		LIPID PROF	ILE : BASIC	
CHOLESTEROL TOT	TAL: SERUM	137.06	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX			8	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
FRIGLYCERIDES: SH		117.05	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSPI	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROL by SELECTIVE INHIBITI	L (DIRECT): SERUM	41.05	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
,				60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL by CALCULATED, SPEC		72.6	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.
- , ,,, -				BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST		96.01	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPEC	CTROPHOTOMETRY			ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0
VLDL CHOLESTERO	I · SERIIM	23.41	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPEC	CTROPHOTOMETRY			0.00 - 43.00
FOTAL LIPIDS: SER by CALCULATED, SPEC		391.17	mg/dL	350.00 - 700.00
CHOLESTEROL/HD		3.34	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPEC				AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
				HIGH RISK: > 11.0
		Λ		



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 28/Feb/2025 11:28AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.77	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	2.85 ^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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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION	N TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI		0.67	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.25	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.42	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	26.45	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	35.84	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM	0.74	RATIO	0.00 - 46.00
ALKALINE PHOSPI		131.43 ^H	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	19.58	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.12	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.35	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	1	2.77	gm/dL	2.30 - 3.50
A : G RATIO: SERUI	M	1.57	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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





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Tost Namo		Value Unit	Biological Pataronco 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



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

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	MD (Pathology & N	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Chopra Pathology) Pathologist	
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE		: 28/Feb/2025 11:52AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	KIDNE	EY FUNCTION	TEST (COMPLETE)		
UREA: SERUM	NATE DEHYDROGENASE (GLDH)	33.11	mg/dL	10.00 - 50.00	
CREATININE: SER	UM	0.94	mg/dL	0.40 - 1.40	
	ROGEN (BUN): SERUM	15.47	mg/dL	7.0 - 25.0	
-	ectrophotometry ROGEN (BUN)/CREATININE	16.46	RATIO	10.0 - 20.0	
RATIO: SERUM	OGEN (DUN)/ CREATININE	10.40	KATIO	10.0 - 20.0	
	ECTROPHOTOMETRY	25.22	DATIO		
UREA/CREATININ by CALCULATED, SPI	E KATIO: SEKUM ECTROPHOTOMETRY	35.22	RATIO		
URIC ACID: SERUM		4.29	mg/dL	3.60 - 7.70	
by URICASE - OXIDAS CALCIUM: SERUM		8.37 ^L	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE PHOSPHOROUS: SI		3.4		2 20 4 70	
	LKUM DATE, SPECTROPHOTOMETRY	3.4	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)		139.1	mmol/L	135.0 - 150.0	
by ise (ion selective electrode) POTASSIUM: SERUM		4.63	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIVE ELECTRODE)		104.00		00.0 110.0	
CHLORIDE: SERUN by ISE (ION SELECTIV		104.32	mmol/L	90.0 - 110.0	
ESTIMATED GLON	MERULAR FILTERATION RATE				
	IERULAR FILTERATION RATE	85.6			
(eGFR): SERUM by CALCULATED					
INTERPRETATION:					

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





		Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist				
NAME	: Mr. BAL MU	KAND						
AGE/ GENDER	: 73 YRS/MAL	Е	PAT	ENT ID	: 85730	5		
COLLECTED BY	:		REG.	NO./LAB NO.	: 01250	2280010		
REFERRED BY				STRATION DAT		/2025 10:1	3 AM	
BARCODE NO.	: 01526237			LECTION DATE		$\frac{1}{2025}$ 10:1		
CLIENT CODE.	: KOS DIAGNO			ORTING DATE	: 28/Feb	/2025 11:5	DZAM	
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMB	ALA CANTT					
Test Name			Value	Unit		Biologica	l Reference	e interval
INCREASED RATIO (>2 1. Postrenal azotemia	0:1) WITH ELEVA (BUN rises disp	icocorticoids) ATED CREATININE LEVI roportionately more t		.g. obstructive u	ropathy).			
INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE	0:1) WITH ELEVA a (BUN rises disp superimposed of 10:1) WITH DECR osis. and starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a 10:1) WITH INCRI py (accelerates eleases muscle of who develop re : sis (acetoacetat creased BUN/cr apy (interferes of JLAR FILTERATIO	ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : In creatinine diffuses of its virtually absent in intidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increass eatinine ratio). with creatinine measu N RATE: DESCRIPTION	than creatinine) (e but of extracellula blood). due to tubular sec e to creatinine). e in creatinine wi rement). GFR (mL/mi	r fluid). cretion of urea. th certain metho n/1.73m2)	dologies,resulti	INDINGS	al ratio whe	n dehydrat
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of de Repeated dialysis Neperated dialysis Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Anuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE STIMATED GLOMERL CKD STAGE G1	0:1) WITH ELEVA a (BUN rises disp superimposed of lo:1) WITH DECR osis. ad starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a lo:1) WITH INCRI py (accelerates eleases muscle of who develop re : sis (acetoacetat creased BUN/cr apy (interferes of JLAR FILTERATIO	ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : In creatinine diffuses of its virtually absent in intidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function	than creatinine) (e but of extracellula blood). due to tubular sec e to creatinine). e in creatinine wi rement). GFR (mL/mi >9	r fluid). cretion of urea. th certain metho n/1.73m2)	dologies,resulti ASSOCIATED F No protein	INDINGS	al ratio whe	n dehydrat
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of de Repeated dialysis Neperated dialysis Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Anuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE CKD STAGE	10:1) WITH ELEVA a (BUN rises disp superimposed c superimposed c osis. ad starvation. creased urea syl urea rather that monemias (urea of inappropiate a loc1) WITH INCRI py (accelerates) eleases muscle o who develop re : sis (acetoacetat creased BUN/cro- apy (interferes v JLAR FILTERATIO Nor	ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in untidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with	than creatinine) (e but of extracellula blood). due to tubular sec e to creatinine). e in creatinine wi rement). GFR (mL/mi	r fluid). cretion of urea. th certain metho n/1.73m2)	dologies,resulti ASSOCIATED F No protein Presence of F	INDINGS nuria Protein ,	al ratio whe	n dehydrat
NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	0:1) WITH ELEVA a (BUN rises disp superimposed of io:1) WITH DECR osis. ad starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a of inappropiate a of inappropiate a sis (acetoacetat creased BUN/creased who develop re : sis (acetoacetat creased BUN/creased unterferes to <u>JLAR FILTERATIO</u> Nor Ki	ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : In creatinine diffuses of its virtually absent in intidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function	than creatinine) (e but of extracellula blood). due to tubular sec e to creatinine). e in creatinine wi rement). GFR (mL/mi >9	r fluid). cretion of urea. th certain metho n/1.73m2)	dologies,resulti ASSOCIATED F No protein	INDINGS nuria Protein ,	al ratio whe	n dehydrat
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE G1 G2 G3a G3a G3b	10:1) WITH ELEVA a (BUN rises disp superimposed c superimposed c osis. ad starvation. creased urea syl urea rather that monemias (urea of inappropiate a 10:1) WITH INCRI py (accelerates of eleases muscle of who develop re : sis (acetoacetat creased BUN/cro- apy (interferes v IAR FILTERATIO Nor Ki Nor Ki Nor	ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in untidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with pormal or high GFR_	than creatinine) (e but of extracellula blood). due to tubular set e to creatinine). e in creatinine wi rement). GFR (mL/mi >9 >9 >9 >9 >9	r fluid). cretion of urea. th certain metho n/1.73m2) 0 0 89	dologies,resulti ASSOCIATED F No protein Presence of F	INDINGS nuria Protein ,	al ratio whe	n dehydrat
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Anuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE G1 G2 G3a	0:1) WITH ELEVA a (BUN rises disp superimposed c superimposed c osis. ad starvation. creased urea syl urea rather that monemias (urea of inappropiate a loc1) WITH INCRI py (accelerates of eleases muscle of who develop re : sis (acetoacetat creased BUN/cro- apy (interferes v IAR FILTERATIO Nor Ki Mid Mid	ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in untidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR Id decrease in GFR	than creatinine) (e but of extracellula blood). due to tubular sec e to creatinine). e in creatinine wi rement). GFR (mL/mi >9 >9 >9	r fluid). cretion of urea. th certain metho n/1.73m2) 0 0 89	dologies,resulti ASSOCIATED F No protein Presence of F	INDINGS nuria Protein ,	al ratio whe	n dehydrat



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AN AN AL NUCLEON DOAD		
: KOS DIAGNOSTIC LAB	REPORTING DATE	: 28/Feb/2025 11:52AM
: 01526237	COLLECTION DATE	: 28/Feb/2025 10:14AM
:	REGISTRATION DATE	: 28/Feb/2025 10:13 AM
:	REG. NO./LAB NO.	: 012502280010
: 73 YRS/MALE	PATIENT ID	: 857305
: Mr. BAL MUKAND		
		D (Pathology) nt Pathologist
		m Chopra
	MD (Pathology & Chairman & Cons : Mr. BAL MUKAND : 73 YRS/MALE : : : : 01526237 : KOS DIAGNOSTIC LAB	MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant : Mr. BAL MUKAND : 73 YRS/MALE PATIENT ID : REG. NO./LAB NO. : REGISTRATION DATE : 01526237 COLLECTION DATE : KOS DIAGNOSTIC LAB REPORTING DATE

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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