



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		D (Pathology)	
NAME AGE/ GENDER COLLECTED BY REFERRED BY	: Mr. DEEPAK RISHI : 65 YRS/MALE : SURJESH : CENTRAL PHOENIX CLUB (AMBAI	LA CANTT)	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE	: 1784605 : 012503090025 : 09/Mar/2025 10:10 AM	
BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: 01526784 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBA	ALA CANTI	COLLECTION DATE REPORTING DATE	: 09/Mar/2025 10:30AM : 09/Mar/2025 10:49AM	
Test Name		Value	Unit	Biological Reference int	erval
	S (RBCS) COUNT AND INDICES		OOD COUNT (CBC)	100 170	
HAEMOGLOBIN (H		15.8	gm/dL	12.0 - 17.0	
RED BLOOD CELL (RBC) COUNT	5.5 ^H	Millions	s/cmm 3.50 - 5.00	
PACKED CELL VOLU	UME (PCV) UTOMATED HEMATOLOGY ANALYZER	48.7	%	40.0 - 54.0	
AEAN CORPUSCUL	AR VOLUME (MCV) utomated hematology analyzer	88.5	fL	80.0 - 100.0	
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	28.8	pg	27.0 - 34.0	
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.5	g/dL	32.0 - 36.0	
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	13.6	%	11.00 - 16.00	
RED CELL DISTRIB	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	45.2	fL	35.0 - 56.0	
by CALCULATED BY A MENTZERS INDEX by CALCULATED	UTOMATED HEMATOLOGY ANALYZER	16.09	RATIO	BETA THALASSEMIA TH 13.0 IRON DEFICIENCY ANE >13.0	
GREEN & KING INE by calculated WHITE BLOOD CE		21.94	RATIO	BETA THALASSEMIA TH 65.0 IRON DEFICIENCY ANE 65.0	
FOTAL LEUCOCYTE		7660	/cmm	4000 - 11000	
NUCLEATED RED B	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00	
NUCLEATED RED B	RT HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %	





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Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LE	UCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	45 ^L	%	50 - 70
LYMPHOCYTES		40	%	20 - 40
EOSINOPHILS	Y BY SF CUBE & MICROSCOPY Y BY SF CUBE & MICROSCOPY	9 ^H	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKO	CYTES (WBC) COUNT			
ABSOLUTE NEUTR by FLOW CYTOMETR	OPHIL COUNT y by sf cube & microscopy	3447	/cmm	2000 - 7500
ABSOLUTE LYMPH by FLOW CYTOMETR	OCYTE COUNT y by sf cube & microscopy	3064	/cmm	800 - 4900
	Y BY SF CUBE & MICROSCOPY	689 ^H	/cmm	40 - 440
•	Y BY SF CUBE & MICROSCOPY	460	/cmm	80 - 880
ABSOLUTE BASOP	HIL COUNT y by sf cube & microscopy	0	/cmm	0 - 110
ABSOLUTE IMMAT	URE GRANULOCYTE COUNT y by sf cube & microscopy	0	/cmm	0.0 - 999.0
PLATELETS AND (OTHER PLATELET PREDICTIV	<u>E MARKERS.</u>		
PLATELET COUNT by hydro dynamic f	(PLT) FOCUSING, ELECTRICAL IMPEDENCE	165000	/cmm	150000 - 450000
PLATELETCRIT (PO	CT) FOCUSING, ELECTRICAL IMPEDENCE	0.19	%	0.10 - 0.36
MEAN PLATELET V by hydro dynamic f	OLUME (MPV) FOCUSING, ELECTRICAL IMPEDENCE	11	fL	6.50 - 12.0
	CELL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	57000	/cmm	30000 - 90000
	CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	34.3	%	11.0 - 45.0
	BUTION WIDTH (PDW) FOCUSING, ELECTRICAL IMPEDENCE	16.8	%	15.0 - 17.0

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			/
Test Name	Value	Unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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CLIENT CODE. CLIENT ADDRESS				. 03/ Mai/ 2023 01.101 M
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMDALA CANT I		
Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY)	8.2 ^H	%	4.0 - 6.4
	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	188.64 ^H	mg/dL	60.00 - 140.00
INTERPRETATION:	AS PER AMERICAN			
INTERPRETATION:	AS PER AMERICAN REFERENCE GROUP		IATION (ADA): LYCOSYLATED HEMOGLOGIB	(HBAIC) in %
INTERPRETATION: I Non dia	REFERENCE GROUP abetic Adults >= 18 years			(HBAIC) in %
NTERPRETATION: Non dia Ai	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)		LYCOSYLATED HEMOGLOGIB <5.7 5.7 - 6.4	(HBAIC) in %
INTERPRETATION: Non dia Ai	REFERENCE GROUP abetic Adults >= 18 years		LYCOSYLATED HEMOGLOGIB <5.7	(HBAIC) in %
INTERPRETATION: Non dia Ai	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	G	LYCOSYLATED HEMOGLOGIB <5.7	
INTERPRETATION: Non dia A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	G Goal: Goal:	Area State <5.7	< 7.0
INTERPRETATION: Non dia A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	G Goal: Goal:	Area State <5.7	
INTERPRETATION: Non dia A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	G Goals Action	Area State <5.7	< 7.0

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



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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REF	ORTING DATE	:09/Mar/2025 11:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHRO	CYTE SEDIMEN	TATION RATE (1	ESR)
TIERPRETATION: ESR is a non-specify nmune disease, but An ESR can be affe s C-reactive protein This test may also ystemic lupus erythy ONDITION WITH LO Iow ESR can be see polycythaemia), sigr s sickle cells in sickl OTE: ESR and C - reactive Generally, ESR doe CRP is not affected If the ESR is elevat Women tend to ha Drugs such as dext	does not tell the health practitione cted by other conditions besides in be used to monitor disease activity ematosus W ESR n with conditions that inhibit the r hificantly high white blood cell cou e cell anaemia) also lower the ESF e protein (C-RP) are both markers of es not change as rapidly as does CR by as many other factors as is ESR, ed, it is typically a result of two typ we a higher ESR, and menstruation	often indicates the p er exactly where the iflammation. For thi y and response to th normal sedimentation nt (leucocytosis), a R. of inflammation. P, either at the star making it a better n making it a better n and proteins, glob	inflammation is in the s reason, the ESR is type erapy in both of the a on of red blood cells, sind some protein abno t of inflammation or as narker of inflammatior ulins or fibrinogen. ause temporary eleva	picallý used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves. 1 .





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Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMIS	TRY/BIOCHEMIST	'RY
		GLUCOSE	FASTING (F)	
GLUCOSE FASTING	(F): PLASMA E - peroxidase (god-pod)	95.47	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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Test Name		Value	Unit	Biological Reference interval
		I IDIN DD/	OFILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		154.95	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	201.65 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBITI	L (DIRECT): SERUM	29.69 ^L	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		84.93	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		125.26	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	CTROPHOTOMETRY	40.33	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE CHOLESTEROL/HD by CALCULATED, SPE	сткорнотометку DL RATIO: SERUM	511.55 5.22^H	mg/dL RATIO	350.00 - 700.00 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	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.86	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	6.79 ^H	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, SF	SERUM PECTROPHOTOMETRY	0.66	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.53	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	22.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	23.7	U/L	0.00 - 49.00
ΔΩΤ/ΔΙ Τ ΡΔΤΙΟ· ΩΙ	DIM	0.05	PATIO	0.00 46.00

BILIRUBIN TOTAL: SERUM	0.66	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by calculated, spectrophotometry	0.53	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	22.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	23.7	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.95	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	126.35	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	72.75 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.33	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.13	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by calculated, spectrophotometry	2.2 ^L	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.88	RATIO	1.00 - 2.00
INTERPRETATION			

<u>INTERPRETATION</u> 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:

> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)





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AGE/ GENDER	: 65 YRS/MALE	PATIENT ID	: 1784605
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REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	:09/Mar/2025 10:10 AM
BARCODE NO.	: 01526784	COLLECTION DATE	:09/Mar/2025 10:30AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Mar/2025 12:21PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
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) DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

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	O ra licrobiology) Itant Pathologi		athology)		
NAME : Mr. DEE	PAK RISHI				
AGE/ GENDER : 65 YRS/N	MALE		PATIENT ID	: 1784605	
COLLECTED BY : SURJESH			REG. NO./LAB NO.	: 012503090025	
REFERRED BY : CENTRA	L PHOENIX CLUB (AMI	BALA CANTT)	REGISTRATION DATE	:09/Mar/2025 10:10 AM	
BARCODE NO. : 0152678	4		COLLECTION DATE	:09/Mar/2025 10:30AM	
CLIENT CODE. : KOS DIA	GNOSTIC LAB		REPORTING DATE	:09/Mar/2025 12:21PM	
CLIENT ADDRESS : 6349/1,	NICHOLSON ROAD, AM	IBALA CANT	Γ		
Test Name		Value	Unit	Biological Reference in	terva
	KIDNE	Y FUNCTI	ON TEST (COMPLETE)	
UREA: SERUM		33.21	mg/dL	10.00 - 50.00	
by UREASE - GLUTAMATE DEHYDR CREATININE: SERUM	OGENASE (GLDH)	1.37	mg/dL	0.40 - 1.40	
by ENZYMATIC, SPECTROPHOTOM		1.07			
BLOOD UREA NITROGEN (BU) by CALCULATED, SPECTROPHOTO		15.52	mg/dL	7.0 - 25.0	
BLOOD UREA NITROGEN (BU		11.33	RATIO	10.0 - 20.0	
RATIO: SERUM					
by CALCULATED, SPECTROPHOTO UREA/CREATININE RATIO: SI		24.24	RATIO		
by CALCULATED, SPECTROPHOTO		24.24	KATIO		
URIC ACID: SERUM		6.73	mg/dL	3.60 - 7.70	
by URICASE - OXIDASE PEROXIDAS CALCIUM: SERUM	SE	9.43	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPECTROPHOTO	METRY			0.00 10.00	
PHOSPHOROUS: SERUM by PHOSPHOMOLYBDATE, SPECTF		2.5	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM		137.9	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIVE ELECTROD	E)				
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTROD	F)	3.86	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTROD		103.43	mmol/L	90.0 - 110.0	
ESTIMATED GLOMERULAR F					
ESTIMATED GLOMERULAR FI (eGFR): SERUM by CALCULATED INTERPRETATION:	LTERATION RATE	57.2			

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 Pathologi		gy & Microbiology)	Dr. Yugam Chopra MD (Pathology) ist CEO & Consultant Pathologist				
NAME	: Mr. DEEPAK RISHI						
AGE/ GENDER	: 65 YRS/MALE		PATIENT ID	: 178460	5		
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:01250	3090025		
REFERRED BY	: CENTRAL PHOENIX CLUI				/2025 10:10	ΔM	
BARCODE NO.	: 01526784	, , , , , , , , , , , , , , , , , , , ,	COLLECTION DATE		/2025 10:10		
			REPORTING DATE		$2025\ 10.30$ $2025\ 12:21$		
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Mar	2023 12:21	PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON RO.	AD, AMBALA CAN I I					
Test Name		Value	Unit	t	Biological 1	Reference i	nterval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1	(e.g. ureter colostomy) ass (subnormal creatinine pr tetracycline, glucocorticoids 0:1) WITH ELEVATED CREATII (BUN rises disproportionate superimposed on renal disea 0:1) WITH DECREASED BUN :) NINE LEVELS: ely more than creatinin ase.	ne) (e.g. obstructive	uropathy).			
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE	ass (subnormal creatinine pr tetracycline, glucocorticoids 0:1) WITH ELEVATED CREATII (BUN rises disproportionate superimposed on renal disea 0:1) WITH DECREASED BUN : 0:1) WITH DECREASED BUN : 0:1) WITH DECREASED BUN : 0:2) creased urea synthesis. urea rather than creatinine monemias (urea is virtually a f inappropiate antidiuretic h 0:1) WITH INCREASED CREAT 0y (accelerates conversion o eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes fals creased BUN/creatinine ratio apy (interferes with creatinine LAR FILTERATION RATE: DESCRIPTIC) VINE LEVELS: ely more than creatinin ase. diffuses out of extrace absent in blood). armone) due to tubul TNINE: f creatine to creatinin e increase in creatinin b). ne measurement). DN GFR (m	ellular fluid). ar secretion of urea. ne). ne with certain meth	odologies,resultir ASSOCIATED FI	NDINGS	ratio when d	ehydrati
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8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL OKD STAGE	ass (subnormal creatinine pr tetracycline, glucocorticoids 0:1) WITH ELEVATED CREATII (BUN rises disproportionate superimposed on renal disea 0:1) WITH DECREASED BUN : osis. d starvation. creased urea synthesis. urea rather than creatinine monemias (urea is virtually a f inappropiate antidiuretic h 0:1) WITH INCREASED CREAT oy (accelerates conversion o eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes fals creased BUN/creatinine ratio apy (interferes with creatinine LAR FILTERATION RATE: DESCRIPTIC Normal kidney f) VINE LEVELS: ely more than creatinin ase. diffuses out of extract absent in blood). armone) due to tubul ININE: f creatine to creatinin e increase in creatinin b). ne measurement). DN GFR (m unction	ellular fluid). ar secretion of urea. ne). ne with certain meth	odologies,resultir ASSOCIATED FI No protein Presence of Pr	NDINGS uria otein ,	ratio when d	ehydrati
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)









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COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012503090025
AGE/ GENDER	: 65 YRS/MALE]	PATIENT ID	: 1784605
NAME	: Mr. DEEPAK RISHI			
	Chairman & Consu			(Pathology) t Pathologist
	Dr. Vinay Cho MD (Pathology & N		Dr. Yugan	

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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