



	Dr. Vinay Chopr MD (Pathology & Mice Chairman & Consultae	robiology)		(Pathology)
NAME	: Mrs. PRIYA SHARMA			
AGE/ GENDER	: 36 YRS/FEMALE		PATIENT ID	: 1576538
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012408100033
REFERRED BY	:		REGISTRATION DATE	: 10/Aug/2024 11:44 AM
BARCODE NO.	: 01514830		COLLECTION DATE	: 10/Aug/2024 11:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Aug/2024 12:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	SALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
	SWAS	STHYA W	ELLNESS PANEL: G	
	COM	/IPLETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES		(020)	
HAEMOGLOBIN (HB		11.5 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RI		5.56 ^H	Millions/	cmm 3.50 - 5.00
PACKED CELL VOLUN		38.1	%	37.0 - 50.0
MEAN CORPUSCULA		68.6 ^L	fL	80.0 - 100.0
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER NR HAEMOGLOBIN (MCH)	20.7 ^L	pg	27.0 - 34.0
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER	30.3 ^L	g/dL	32.0 - 36.0
	AUTOMATED HEMATOLOGY ANALYZER TION WIDTH (RDW-CV)	15.5	%	11.00 - 16.00
-	automated hematology analyzer TION WIDTH (RDW-SD)	39.6	fL	35.0 - 56.0
	AUTOMATED HEMATOLOGY ANALYZER	57.0	12	33.0 - 30.0
MENTZERS INDEX by CALCULATED		12.34	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	19.14	RATIO	BETA THALASSEMIA TRAIT: < =
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELL	<u>S (WBCS)</u>			
	COUNT (TLC) y by sf cube & microscopy	7540	/cmm	4000 - 11000
NUCLEATED RED BL		NIL		0.00 - 20.00
NUCLEATED RED BLO	DOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %
DIFFERENTIAL LEUC	<u>OCYTE COUNT (DLC)</u>			



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.







Dr. Yugam Chopra Dr. Vinay Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. PRIYA SHARMA AGE/ GENDER : 36 YRS/FEMALE **PATIENT ID** :1576538 **COLLECTED BY** : SURJESH :012408100033 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 10/Aug/2024 11:44 AM : **BARCODE NO.** :01514830 **COLLECTION DATE** :10/Aug/202411:54AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :10/Aug/202412:05PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** % **NEUTROPHILS** 62 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 28 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 3 % 1 - 6by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES % 7 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 0 % **BASOPHILS** 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** 2000 - 7500 ABSOLUTE NEUTROPHIL COUNT 4675 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2111 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 226 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 528 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) 277000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.10 - 0.36 PLATELETCRIT (PCT) 0.34 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 /cmm 128000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) % 11.0 - 45.0 46.4^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) 15.8 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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>8.0

<7.5

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Test Name		Value	Unit	Biological Reference interval
	GL	YCOSYLATED HAEMOGLO	OBIN (HBA1C)	
GLYCOSYLATED HAEM(WHOLE BLOOD	DGLOBIN (HbA1c):	6.2	%	4.0 - 6.4
ESTIMATED AVERAGE		131.24	mg/dL	60.00 - 140.00
INTERPRETATION:				
		ETES ASSOCIATION (ADA):		
RE	FERENCE GROUP	GLYCOSYLATED HEN		1%
RE Non diab	FERENCE GROUP etic Adults >= 18 years	GLYCOSYLATED HEN	<5.7	n %
RE Non diab At F	FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	GLYCOSYLATED HEN	<5.7 7 – 6.4	<u>1 %</u>
RE Non diab At F	FERENCE GROUP etic Adults >= 18 years	GLYCOSYLATED HEN 5.7	<5.7	n %

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

Actions Suggested:

Goal of therapy

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, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, long life expectancy and no significant cardiovascular disease. In patients with

Age < 19 Years

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.





Therapeutic goals for glycemic control

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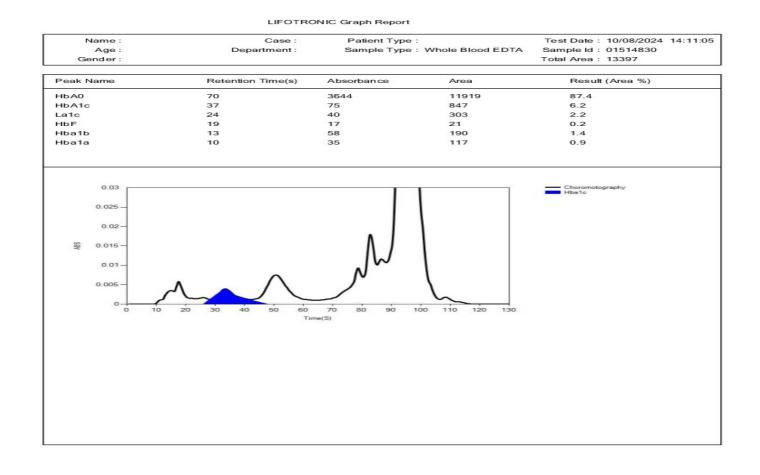


Page 3 of 13





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Test Name		Value Unit	Biological Reference interval





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	
Test Name		Value Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMENTATION RATE (ES	SR)
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	38 ^H mm/1st	hr 0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO A low ESR can be see	does not tell the health practitio cted by other conditions besides be used to monitor disease activi ematosus W ESR n with conditions that inhibit the	ner exactly where the inflammation is in the inflammation. For this reason, the ESR is to ty and response to therapy in both of the normal sedimentation of red blood cells,	tion associated with infection, cancer and auto- ne body or what is causing it. ypically used in conjunction with other test such above diseases as well as some others, such as such as a high red blood cell count ormalities. Some changes in red cell shape (suc

NOTE:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as doutran mathyldona oral contracentives, penicillamine procainamide, theophylline, and vit

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTI	Γ	
Test Name		Value	Unit	Biological Reference interval
	CLI		STRY/BIOCHEMISTR	Y
		GLUCOS	E FASTING (F)	
GLUCOSE FASTING (F by glucose oxidas): PLASMA e - peroxidase (god-pod)	74.97	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

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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.
 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
		LIPID PROFILI	E : BASIC	
CHOLESTEROL TOTA	L: SERUM	185.36	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX			Thy de	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	121.35	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (by SELECTIVE INHIBIT		52.48	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0
LDL CHOLESTEROL: S		108.61	mg/dL	HIGH HDL: > OR = 60.0 OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by CALCULATED, SPE		132.88 ^H	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL:		24.27	mg/dL	0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SERUI by CALCULATED, SPE	N	492.07	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL I by CALCULATED, SPE	RATIO: SERUM	3.53	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SER by calculated, spe		2.07	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.31 ^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
	LIV	ER FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM PECTROPHOTOMETRY	0.36	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT ((CONJUGATED): SERUM	0.11	mg/dL	0.00 - 0.40
	(UNCONJUGATED): SERUM	0.25	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	15.1	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	/RIDOXAL PHOSPHATE	12	U/L	0.00 - 49.00
AST/ALT RATIO: SER by CALCULATED, SPE	UM ectrophotometry	1.26	RATIO	0.00 - 46.00
ALKALINE PHOSPHA by para nitrophen propanol	TASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	108.6	U/L	40.0 - 130.0
GAMMA GLUTAMYL by SZASZ, SPECTRO	_ TRANSFERASE (GGT): SERUM PHTOMETRY	14.81	U/L	0.00 - 55.0
TOTAL PROTEINS: SI	ERUM	7.17	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		3.85	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	ECTROPHOTOMETRY	3.32	gm/dL	2.30 - 3.50
A : G RATIO: SERUN		1.16	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





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Test Name		Value	Unit	Biological Reference	interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)	

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

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NAME	: Mrs. PRIYA SHARMA			
AGE/ GENDER	: 36 YRS/FEMALE]	PATIENT ID	: 1576538
COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012408100033
REFERRED BY	:]	REGISTRATION DATE	: 10/Aug/2024 11:44 AM
BARCODE NO.	: 01514830		COLLECTION DATE	: 10/Aug/2024 11:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 10/Aug/2024 02:39PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	КІ	DNEY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		26.46	mg/dL	10.00 - 50.00
	NATE DEHYDROGENASE (GLDH)			
CREATININE: SERUN		1.01	mg/dL	0.40 - 1.20
by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		12.36	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	12.24	RATIO	10.0 - 20.0
RATIO: SERUM	ECTROPHOTOMETRY			
UREA/CREATININE F		26.2	RATIO	
-	ECTROPHOTOMETRY			
URIC ACID: SERUM by URICASE - OXIDAS	SE PEROXIDASE	5.03	mg/dL	2.50 - 6.80
CALCIUM: SERUM		9.84	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE				
PHOSPHOROUS: SEF	RUM DATE, SPECTROPHOTOMETRY	4.2	mg/dL	2.30 - 4.70
ELECTROLYTES	SATE, OF ECHNOLHOLOWEIN			
sodium: serum		139.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV				
POTASSIUM: SERUM		4.52	mmol/L	3.50 - 5.00
by ISE (ION SELECTIN CHLORIDE: SERUM	ie elėvikudej	104.63	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	,	101100		
ESTIMATED GLOME	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	74		
(eGFR): SERUM by calculated				

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.



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

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	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME	: Mrs. PRIYA SHARMA				
AGE/ GENDER	: 36 YRS/FEMALE	PATIENT ID	: 1576538		
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012408100	1033	
REFERRED BY	:	REGISTRATION D	0		
BARCODE NO.	: 01514830	COLLECTION DAT	0		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	E : 10/Aug/2024	4 02:39PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT			
Test Name		Value Un	it Biolo	ogical Reference interval	
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia			e uropathy).		
 Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<' Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<' Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin ther 	(e.g. ureter colostomy) ass (subnormal creatinine productetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININE (BUN rises disproportionately mosuperimposed on renal disease. (0:1) WITH DECREASED BUN : osis. d starvation. e. creased urea synthesis. furea rather than creatinine diffus monemias (urea is virtually absert of inappropiate antidiuretic harmon (0:1) WITH INCREASED CREATININI py (accelerates conversion of create eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inc creased BUN/creatinine ratio). apy (interferes with creatinine mosuper). (interferes with creatinine mosuper).	LEVELS: pre than creatinine) (e.g. obstructive res out of extracellular fluid). It in blood). Ine) due to tubular secretion of urea time to creatinine). rease in creatinine with certain met easurement). GFR (mL/min/1.73m2)	n. hodologies,resulting in n ASSOCIATED FINDIN		
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. Pregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin ther ESTIMATED GLOMERL CKD STAGE 	(e.g. ureter colostomy) ass (subnormal creatinine productetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININE (BUN rises disproportionately mosuperimposed on renal disease. (0:1) WITH DECREASED BUN : osis. d starvation. e. creased urea synthesis. urea rather than creatinine diffus monemias (urea is virtually absert of inappropiate antidiuretic harmon (0:1) WITH INCREASED CREATININI py (accelerates conversion of create eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inco creased BUN/creatinine ratio). rapy (interferes with creatinine mosuper JLAR FILTERATION RATE: Normal kidney functi	LEVELS: pre than creatinine) (e.g. obstructive res out of extracellular fluid). It in blood). Ine) due to tubular secretion of urea time to creatinine). rease in creatinine with certain met easurement). GFR (mL/min/1.73m2) on >90	hodologies,resulting in I	GS	
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1 G2	(e.g. ureter colostomy) ass (subnormal creatinine productetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININE (BUN rises disproportionately mosuperimposed on renal disease. (0:1) WITH DECREASED BUN : osis. d starvation. e. creased urea synthesis. furea rather than creatinine diffus monemias (urea is virtually absert of inappropiate antidiuretic harmon (0:1) WITH INCREASED CREATININI py (accelerates conversion of create eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inco creased BUN/creatinine ratio). apy (interferes with creatinine mosultant LAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFF	LEVELS: pre than creatinine) (e.g. obstructive ses out of extracellular fluid). it in blood). ine) due to tubular secretion of urea etime to creatinine). rease in creatinine with certain met easurement). On >90 N >90	n. hodologies,resulting in n ASSOCIATED FINDIN No proteinuria	GS	
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL G1 G2 G3a	(e.g. ureter colostomy) ass (subnormal creatinine productetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININE (BUN rises disproportionately mosuperimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. furea rather than creatinine diffus monemias (urea is virtually absert of inappropiate antidiuretic harmon (0:1) WITH INCREASED CREATININI py (accelerates conversion of create eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inc creased BUN/creatinine ratio). apy (interferes with creatinine mosultation). (ILAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFR Mild decrease in GF	LEVELS: pre than creatinine) (e.g. obstructive ress out of extracellular fluid). It in blood). Ine) due to tubular secretion of urea time to creatinine). rease in creatinine with certain met easurement). GFR (mL/min/1.73m2) on >90 N >90 N >90 R 60 -89	hodologies,resulting in the second se	GS	
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	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist				
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Test Name		Value 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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