



Dr. Vinay Cl MD (Pathology of Chairman & Con		Dr. Yugam C MD (Par CEO & Consultant Pat	thology)
NAME: Mrs. RAMA SOODAGE/ GENDER: 56 YRS/FEMALECOLLECTED BY: SURJESHREFERRED BY: CENTRAL PHOENIX CLUB (ABARCODE NO.: 01517466CLIENT CODE.: KOS DIAGNOSTIC LABCLIENT ADDRESS: 6349/1, NICHOLSON ROAD,	R Ambala cantt) r C R	EG. NO./LAB NO. : EGISTRATION DATE : OLLECTION DATE :	: 1621400 : 012409220031 : 22/Sep/2024 09:21 AM : 22/Sep/2024 09:21AM : 22/Sep/2024 09:29AM
Test Name	Value	Unit	Biological Reference interval
		LNESS PANEL: 1.0 DD COUNT (CBC)	
RED BLOOD CELLS (RBCS) COUNT AND INDICES HAEMOGLOBIN (HB)	11.3 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RBC) COUNT	4.3	Millions/cmn	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCI PACKED CELL VOLUME (PCV)	E	%	37.0 - 50.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALY			80.0 - 100.0
MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZ		fL	
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by CALCULATED BY AUTOMATED HEMATOLOGY ANALY	26.2 ^L ZER	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHO by CALCULATED BY AUTOMATED HEMATOLOGY ANALY		g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZ	14.2	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD)	44.3	fL	35.0 - 56.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZ MENTZERS INDEX by CALCULATED	19.4	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by calculated	27.46	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)	4050		4000 11000
TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4850	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED BLOOD CELLS (nRBCS) % by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZ DIFFERENTIAL LEUCOCYTE COUNT (DLC)	NIL zer	%	< 10 %
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	47 ^L	%	50 - 70



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Test Name		Value	Unit	Biological Reference interval
	Y BY SF CUBE & MICROSCOPY	42 ^H	%	20 - 40
EOSINOPHILS	Y BY SF CUBE & MICROSCOPY	5	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS	TET SF COBE & MICROSCOFT	0	%	0 - 1
	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE LEUKOCY	TES (WBC) COUNT			
ABSOLUTE NEUTROF	PHIL COUNT y by sf cube & microscopy	2280	/cmm	2000 - 7500
ABSOLUTE LYMPHO(by FLOW CYTOMETRY	CYTE COUNT y by sf cube & microscopy	2037	/cmm	800 - 4900
ABSOLUTE EOSINOPI		242	/cmm	40 - 440
ABSOLUTE MONOCY		291	/cmm	80 - 880
ABSOLUTE BASOPHIL	L COUNT	0	/cmm	0 - 110
	Y BY SF CUBE & MICROSCOPY HER PLATELET PREDICTIVE MARKE	RS.		
PLATELET COUNT (PL		275000	/cmm	150000 - 450000
PLATELETCRIT (PCT)		0.34	%	0.10 - 0.36
MEAN PLATELET VOI	FOCUSING, ELECTRICAL IMPEDENCE LUME (MPV) FOCUSING, ELECTRICAL IMPEDENCE	12 ^H	fL	6.50 - 12.0
PLATELET LARGE CEL		118000 ^H	/cmm	30000 - 90000
PLATELET LARGE CEL		42.8	%	11.0 - 45.0
PLATELET DISTRIBUT by HYDRO DYNAMIC F		16.3	%	15.0 - 17.0



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	licrobiology)	M	m Chopra D (Pathology) nt Pathologist
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. RAMA SOOD : 56 YRS/FEMALE : SURJESH : CENTRAL PHOENIX CLUB (AME : 01517466 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AM		COLLECTION DATE REPORTING DATE	: 1621400 : 012409220031 : 22/Sep/2024 09:21 AM : 22/Sep/2024 09:21AM : 22/Sep/2024 09:45AM
Test Name		Value	Unit	Biological Reference interval
	ERYTHR	OCYTE SEDI	MENTATION RATE (ES	SR)
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 (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	does not tell the health practitione cted by other conditions besides inf be used to monitor disease activity ematosus W ESR n with conditions that inhibit the non inficantly high white blood cell coun e cell anaemia) also lower the ESR. e protein (C-RP) are both markers or es not change as rapidly as does CRP by as many other factors as is ESR , i ed, it is typically a result of two type we a higher ESR, and menstruation a	r exactly wher flammation. Fo and response ormal sedimer of inflammatior P, either at the making it a be es of proteins, and pregnancy	te the inflammation is in the or this reason, the ESR is to to therapy in both of the ntation of red blood cells, s), and some protein abn n. e start of inflammation or a tter marker of inflammatio globulins or fibrinogen. can cause temporary elev	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 (such as it resolves. on.





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Test Name		Value	Unit	Biological Reference interval
Test Name	CLIN		Unit TRY/BIOCHEMISTR	
Test Name	CLIN			

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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ISO 9001 : 2008 CERTIFIED LAB				EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS
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	Test Name		Value	Unit	Biological Reference interval
			LIPID PR	OFILE : BASIC	
	CHOLESTEROL TOTA by CHOLESTEROL OX		200.87 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
	TRIGLYCERIDES: SER by GLYCEROL PHOSP	RUM PHATE OXIDASE (ENZYMATIC)	210.76 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
	HDL CHOLESTEROL (I by SELECTIVE INHIBITI		48.34	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
	LDL CHOLESTEROL: S by CALCULATED, SPEC		110.38	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 CHOLESTE by CALCULATED, SPE		152.53 ^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:		42.15	mg/dL	0.00 - 45.00
	by CALCULATED, SPEN TOTAL LIPIDS: SERUN by CALCULATED, SPEN	N	612.5	mg/dL	350.00 - 700.00
	CHOLESTEROL/HDL F by CALCULATED, SPE	ratio: serum	4.16	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		2.28	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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TRIGLYCERIDES/HDL by CALCULATED, SPE		4.36	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 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 FUNCTION	N TEST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM PECTROPHOTOMETRY	0.32	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.09	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT by CALCULATED, SPE	C (UNCONJUGATED): SERUM	0.23	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	20.55	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	26.94	U/L	0.00 - 49.00
AST/ALT RATIO: SER	M	0.76	RATIO	0.00 - 46.00
ALKALINE PHOSPHA by para nitrophen propanol	TASE: SERUM YL PHOSPHATASE BY AMINO METHYL	94.47	U/L	40.0 - 130.0
GAMMA GLUTAMYL by SZASZ, SPECTRO	_ TRANSFERASE (GGT): SERUM PHTOMETRY	33.35	U/L	0.00 - 55.0
TOTAL PROTEINS: SI by BIURET, SPECTRO		6.35	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	3.52	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	ECTROPHOTOMETRY	2.83	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.24	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





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INTERPRETATION





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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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Test Name		Value	Unit	Biological Reference interval
	KIE		ON TEST (COMPLETE)	
UREA: SERUM		25.22	mg/dL	10.00 - 50.00
	MATE DEHYDROGENASE (GLDH)			
CREATININE: SERUN by ENZYMATIC, SPEC		0.92	mg/dL	0.40 - 1.20
-	DGEN (BUN): SERUM	11.79	mg/dL	7.0 - 25.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
	OGEN (BUN)/CREATININE	12.82	RATIO	10.0 - 20.0
RATIO: SERUM	ECTROPHOTOMETRY			
UREA/CREATININE F		27.41	RATIO	
by CALCULATED, SPE	ECTROPHOTOMETRY			
URIC ACID: SERUM by URICASE - OXIDAS		5.83	mg/dL	2.50 - 6.80
CALCIUM: SERUM	SET ENOXIDAGE	9.09	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	ECTROPHOTOMETRY			
PHOSPHOROUS: SEF		3.91	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
Sodium: Serum		142.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	/E ELECTRODE)	142.0	THITIOI/L	155.0 - 150.0
POTASSIUM: SERUM		4.33	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM	/E ELECTRODE)	106.88	mmol/l	90.0 - 110.0
by ISE (ION SELECTIV	/E ELECTRODE)	100.88	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
ESTIMATED GLOME	RULAR FILTERATION RATE	73.1		
(eGFR): SERUM				
by CALCULATED				

by CALCULATED

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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AGE / GENDER :56 YRS//FEMALE PATIENT ID :1621400 XOLLECTED BY :SURJESH REG. NO./LAB NO. :012409220031 KEFERRED BY :CENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE :22/Sep/2024 09:21 AM ABACODE NO. :01517466 COLLECTION DATE :22/Sep/2024 09:21 AM JEIENT CODE :KOS DIAGNOSTIC LAB REPORTING DATE :22/Sep/2024 10:41 AM JIENT ADDRESS :6349/1, NICHOLSON ROAD, AMBALA CANTT Biological Reference inter 1. GI haemorrhage. . High protein intake. . 1. High protein intake. . . Biological Reference inter 3. GI haemorrhage. 4. High protein intake. 5. Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein rums, surgery, cachexia, high feve?). . . 0. Urine reabsorption (e.g. ureter colostomy) 1. Reduced muscle mass (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . . 2. Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructiv	М		Dr. Vinay Chopra 1D (Pathology & Microbiology) Chairman & Consultant Pathologist			Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
COLLECTED BY SURJESH REG. NO./LAB NO. SURJESH REFERED BY SCENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE S22/Sep/2024 09:21 AM SARCODE NO. S01517466 COLLECTION DATE S22/Sep/2024 09:21 AM SARCODE NO. S01517466 COLLECTION DATE S22/Sep/2024 09:21 AM SILENT CODE KOS DIACNOSTIC LAB REPORTING DATE S22/Sep/2024 10:41 AM SILENT ADDRESS 6349/1, NICHOLSON ROAD, AMBALA CANTT Biological Reference inter I Gh aemorrhage. Impaired renal function plus Biological Reference inter I maprice Terral function plus Stexess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein orurns, surgery, cachexia, high fever). Virture absorption (e.g. ureter colostomy) I. Certain drug (e.g. Letracycline, glucocorticoids) NeckasED RATIO (>0:1) WITH ELEVATED CREATINNE LEVELS: Network inter a superimposed on renal disease. I. Postrenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Seckes Stanto (<0:1) WITH DECREASED BUN : I. Adute tubular necrosis. Severe liver disease. Severe liver disease. I. Other causes of decreased urea synthesis. Severe liver disease. Severe liver disease. I. O	NAME	: Mrs. RAMA SO	OOD					
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Clearn ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit Biological Reference intervention 3. Gl haemorrhage. . High protein intake. 							-	
Test Name Value Unit Biological Reference inter 3. GI haemorrhage. High protein intake. Impaired renal function plus 5. Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein or urns, surgery, cachexia, high fever). Inter eabsorption (e.g. ureter colostomy) 9. Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (subnormal creatinine production) 0. Certain drugs (e.g., tetracycline, glucocorticoids) NRCREASED RATIO (<20:1) WITH ELEVAED CREATININE LEVELS:	CLIENT CODE.	: KOS DIAGNOS	FIC LAB		REPORTING D A	TE	: 22/Sep/2024 10:41	1AM
3. GI haemorrhage. 1. High protein intake. 5. Impaired renal function plus 5. Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein in urns, surgery, cachexia, high fever). 7. Urine reabsorption (e.g. ureter colostomy) 8. Reduced muscle mass (subnormal creatinine production) 2. Certain drugs (e.g. tetracycline, glucocorticoids) NCREASED RATIO (<20:1) WITH ELEVATED CREATININE LEVELS:	CLIENT ADDRESS	: 6349/1, NICH0	OLSON ROAD, AMB	BALA CANTT				
 I High protein intake. Impaired renal function plus Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein or burns, surgery, cachexia, high fever). Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (subhormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticoids) NCREASED RATIO (<20:1) WITH ELEVATED CREATININE LEVELS: Postrenal azotemia usperimposed on renal disease. PECREASED RATIO (<10:1) WITH DECREASED BUN : Acute tubular necrosis. Cover of the distarvation. Severe liver disease. Other causes of decreased urea synthesis. Repeaded dialysis (urea rather than creatinine diffuses out of extracellular fluid). Inherited hyperammonemias (urea is virtually absent in blood). Skeyene of the distarvation. Severe liver disease. Pregnancy. DECREASED RATIO (<10:1) WITH INCREASED CREATININE: Pregnary. DECREASED RATIO (<10:1) WITH INCREASED CREATININE: Phenacimide therapy (accelerates conversion of creatine to creatinine). Rhabdomyolysis (releases muscle creatinine). Mauscular patients who develop renal failure. NAPPROPATE RATIO: Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when del hould produce an increased BUN/creatinine measurement). Schalosporin therapy (Interferes with creatinine me	Test Name			Value		Unit	Biological	Reference interval
2. Cephalosporin therapy (interferes with creatinine measurement). STIMATED GLOMERULAR FILTERATION RATE: CKD STAGE DESCRIPTION GFR (mL/min/1.73m2) ASSOCIATED FINDINGS	DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy.	10:1) WITH DECREA rosis. end starvation. e. creased urea synti (urea rather than o imonemias (urea is of inappropiate and	ASED BUN : hesis. creatinine diffuses s virtually absent ir tidiuretic harmone)	n blood).		rea.		
CKD STAGE DESCRIPTION GFR (mL/min/1.73m2) ASSOCIATED FINDINGS	 Phenacimide thera Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIO Diabetic ketoacido 	npy (accelerates co eleases muscle cre who develop rena): sis (acetoacetate (nversion of creatin eatinine). Il failure. causes false increa:			nethodolo	gies,resulting in norma	al ratio when dehydrat
	 Phenacimide thera Rhabdomyolysis (r Muscular patients INAPPROPIATE RATION Diabetic ketoacido should produce an ir Cephalosporin the 	py (accelerates co eleases muscle cre who develop rena sis (acetoacetate o creased BUN/crea rapy (interferes wi	nversion of creatin eatinine). Il failure. causes false increa: Itinine ratio). th creatinine measi	se in creatinii		nethodolo	gies,resulting in norma	al ratio when dehydrat
G1 Normal kidney function >90 No proteinuria	1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIC 1. Diabetic ketoacido should produce an ir 2. Cephalosporin the ESTIMATED GLOMER	py (accelerates co eleases muscle cre who develop rena sis (acetoacetate o creased BUN/crea rapy (interferes wi JLAR FILTERATION	nversion of creatin eatinine). Il failure. causes false increa: itinine ratio). th creatinine measu RATE:	se in creatinii urement).	ne with certain n			al ratio when dehydrat
G2 Kidney damage with >90 Presence of Protein ,	1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIC 1. Diabetic ketoacido should produce an ir 2. Cephalosporin the ESTIMATED GLOMER	apy (accelerates co eleases muscle cre who develop rena bis (acetoacetate o creased BUN/crea rapy (interferes wi JLAR FILTERATION	nversion of creatin eatinine). Il failure. causes false increa: itinine ratio). th creatinine measu RATE: DESCRIPTION	se in creatinii urement).	ne with certain n			al ratio when dehydrat

G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	
			•



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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mrs. RAMA SOOD		
AGE/ GENDER	: 56 YRS/FEMALE	PATIENT ID	: 1621400
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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



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	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. RAMA SOOD : 56 YRS/FEMALE : SURJESH : CENTRAL PHOENIX CLUB (A : 01517466 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	H MBALA CANTT) H C H	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1621400 : 012409220031 : 22/Sep/2024 09:21 AM : 22/Sep/2024 09:21AM : 22/Sep/2024 11:39AM
Test Name		Value	Unit	Biological Reference interva
		CLINICAL P	ATHOLOGY	
			ROSCOPIC EXAMINAT	
PHYSICAL EXAMINA				
QUANTITY RECIEVED		10	ml	
	TANCE SPECTROPHOTOMETRY	10		
COLOUR		AMBER YEL	LOW	PALE YELLOW
<i>by DIP STICK/REFLEC</i> TRANSPARANCY	TANCE SPECTROPHOTOMETRY	HAZY		CLEAR
	TANCE SPECTROPHOTOMETRY	TIALT		CELAR
SPECIFIC GRAVITY		1.01		1.002 - 1.030
-	TANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINA				
REACTION by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
SUGAR by DIP STICK/REELEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH		6		5.0 - 7.5
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
		Negative		NEGATIVE (-ve)
by dip stick/reflec NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.	, i i i i i i i i i i i i i i i i i i i		
		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	riegative		
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	NEGATIVE (-v=)	NEGATIVE (-VE)
MICROSCOPIC EXAN				

INICRUSCOPIC EXAMINATION



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Dr. Vinay Chopra



Dr. Yugam Chopra

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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE	(-ve) /HPF	0 - 3
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	10-12	/HPF	0 - 5
EPITHELIAL CELLS		6-8	/HPF	ABSENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
CRYSTALS	NEGATIVE (-ve)	NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
CASTS	NEGATIVE (-ve)	NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
BACTERIA	NEGATIVE (-ve)	NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
OTHERS	NEGATIVE (-ve)	NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT	ABSENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***





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