



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mrs. URMIL DHAWAN			
AGE/ GENDER	: 74 YRS/FEMALE		PATIENT ID	: 1626739
COLLECTED BY	:		REG. NO./LAB NO.	:042411240002
REFERRED BY	:		REGISTRATION DATE	: 24/Nov/2024 09:15 AM
BARCODE NO.	: A1259951		COLLECTION DATE	: 24/Nov/2024 12:10PM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT	REPORTING DATE	: 24/Nov/2024 12:19PM
Test Name		Value	Unit	Biological Reference interval
	SWASTH	IYA WEI	LINESS PANEL: 15.	.0
	COMP	PLETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
IAEMOGLOBIN (H) by CALORIMETRIC	3)	13	gm/dL	12.0 - 16.0
ED BLOOD CELL (RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	4.59	Millions	/cmm 3.50 - 5.00
ACKED CELL VOLU		41.1	%	37.0 - 50.0
IEAN CORPUSCULA	AR VOLUME (MCV) utomated hematology analyzer	89.5	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) utomated hematology analyzer	28.3	pg	27.0 - 34.0
IEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	31.6 ^L	g/dL	32.0 - 36.0
	JTION WIDTH (RDW-CV) utomated hematology analyzer	15.4	%	11.00 - 16.00
	UTION WIDTH (RDW-SD) utomated hematology analyzer	50.8	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		19.5	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND		30	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
NHITE BLOOD CEI TOTAL LEUCOCYTE		8740	/cmm	4000 - 11000
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY		/ chilli	
	LOOD CELLS (nRBCS) T HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
	LOOD CELLS (nRBCS) % utomated hematology analyzer	NIL	%	< 10 %
Sy ORLOOLATED DY A	GI GWATED HEIVIATOLOGT AIVALTZER			





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

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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. URMIL DHAWAN **AGE/ GENDER** : 74 YRS/FEMALE **PATIENT ID** :1626739 **COLLECTED BY** :042411240002 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 24/Nov/2024 09:15 AM **BARCODE NO.** :A1259951 **COLLECTION DATE** :24/Nov/2024 12:10PM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** : 24/Nov/2024 12:19PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 56 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 28 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 7H 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 4894 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2447 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 612^H /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 787 /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 496000^H /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.5^H PLATELETCRIT (PCT) % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 10 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 137000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 27.711.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.2% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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Test Name	Value	e Unit	Biological Reference interval





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CLIENT ADDRESS	: 6349/1, NICHOLSON R	OAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CL	INICAL CHEMISTRY	Y/BIOCHEMISTI	RY
		GLUCOSE FAS	STING (F)	
CI LICOSE EASTIN	G (F): PLASMA SE - PEROXIDASE (GOD-POD)	106.9 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

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.

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



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			FILE : BASIC	
CHOLESTEROL TO	TAL CEDIM			OPTIMAL: < 200.0
by CHOLESTEROL 10		228.82 ^H	mg/dL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: S		186.39 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSE	PHATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTERO	L (DIRECT): SERUM	49.53	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
Sy OLLEOTIVE WWW.BIT				60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTERO		142.01 ^H	mg/dL	OPTIMAL: < 100.0
by CALCOLATED, SPE	CIROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0
NON HDL CHOLES	FFROI · SFRUM	179.29 ^H	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0
by CALCULATED, SPE		179.29	ilig/ uL	ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 -
				189.0 HIGH: 190.0 - 219.0
				VERY HIGH: > OR = 220.0
VLDL CHOLESTER		37.28	mg/dL	0.00 - 45.00
by CALCULATED, SPE FOTAL LIPIDS: SEF		644.03	mg/dL	350.00 - 700.00
by CALCULATED, SPE	CTROPHOTOMETRY	044.03		330.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE		4.62 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANT	T	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.87	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	3.76	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION	N TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.44	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.08	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM	0.36	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	[/RIDOXAL PHOSPHATE	23.35	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	20.84	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE	ERUM ECTROPHOTOMETRY	1.12	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	197.5 ^H	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	45.61	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.25	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.27	gm/dL	3.50 - 5.50
GLOBULIN: SERUN		2.98	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.43	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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INTERPRETATION





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	Dr. Vinay Cho	pra 🛛 Dr. Yuş	gam Chopra

Test Name	Value	Unit	Biological Reference interval

DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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Test Name		Value	Unit	Biological Reference interval	
	KIDNE	EY FUNCTION	TEST (COMPLETE))	
UREA: SERUM	MATE DEHYDROGENASE (GLDH)	29.44	mg/dL	10.00 - 50.00	
CREATININE: SER	UM	1.12	mg/dL	0.40 - 1.20	
	CTROPHOTOMETERY ROGEN (BUN): SERUM	13.76	mg/dL	7.0 - 25.0	
by CALCULATED, SP	ECTROPHOTOMETRY	13.70	ing/ uL		
BLOOD UREA NITI RATIO: SERUM	ROGEN (BUN)/CREATININE	12.29	RATIO	10.0 - 20.0	
	ECTROPHOTOMETRY				
UREA/CREATININ	IE RATIO: SERUM ectrophotometry	26.29	RATIO		
URIC ACID: SERUN		5.49	mg/dL	2.50 - 6.80	
by URICASE - OXIDAS		0.00		0.50 10.00	
CALCIUM: SERUM by ARSENAZO III, SPI	ECTROPHOTOMETRY	9.68	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SI		2.87	mg/dL	2.30 - 4.70	
ELECTROLYTES	DATE, SPECTROPHOTOMETRY				
SODIUM: SERUM		145.3	mmol/L	135.0 - 150.0	
by ISE (ION SELECTI					
POTASSIUM: SERU		4.66	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	M	108.98	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIV FSTIMATED GLON	VE ELECTRODE) MERULAR FILTERATION RATE				
	IERULAR FILTERATION RATE	51.6			
(eGFR): SERUM	ILIVOLANTI LI LIVATION NATE	51.0			
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.

3. GI haemorrhage.



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Test Name		Value	Unit	Biological Reference interval	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 	(e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE (BUN rises disproportionately m superimposed on renal disease	LEVELS:	e.g. obstructive urop	athy).	
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 G1 G2	ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE (BUN rises disproportionately m superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. 2. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATININ py (accelerates conversion of cree eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inte creased BUN/creatinine ratio). apy (interferes with creatinine m ULAR FILTERATION RATE: DESCRIPTION Normal kidney funct Kidney damage wit normal or high GF	LEVELS: ore than creatinine) (ses out of extracellul nt in blood). one) due to tubular set bine) due to tubular set E: atine to creatinine). crease in creatinine we easurement). GFR (mL/m h >1	ar fluid). ecretion of urea. ith certain methodol in/1.73m2) A: 20 F Alt	athy). ogies,resulting in normal ratio when dehydrat <u>SSOCIATED FINDINGS</u> <u>No proteinuria</u> <u>oresence of Protein , bumin or cast in urine</u>	
A. Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (<1 Nhenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin ther ESTIMATED GLOMERL G1 G2 G3a	ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE (BUN rises disproportionately m superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. d starvation. e. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATININ py (accelerates conversion of crea eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false into creased BUN/creatinine ratio). apy (interferes with creatinine m <u>LAR FILTERATION RATE: DESCRIPTION Normal kidney funct Kidney damage wit normal or high GF Mild decrease in G</u>	LEVELS: ore than creatinine) (ses out of extracellul nt in blood). one) due to tubular set bine) due to tubular set atine to creatinine). crease in creatinine we easurement). ion R 60	ar fluid). ecretion of urea. ith certain methodol in/1.73m2) A: 20 F 20 F Alt -89	ogies,resulting in normal ratio when dehydrat SSOCIATED FINDINGS No proteinuria	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia Perenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido bould produce an in Cephalosporin ther CKD STAGE G1 	ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE (BUN rises disproportionately m superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. 2. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATININ py (accelerates conversion of cree eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inte creased BUN/creatinine ratio). apy (interferes with creatinine m ULAR FILTERATION RATE: DESCRIPTION Normal kidney funct Kidney damage wit normal or high GF	LEVELS: ore than creatinine) (ses out of extracellul nt in blood). one) due to tubular set bine) due to tubular set atine to creatinine). crease in creatinine we easurement). ion Set R GFR GFR GFR 30	ar fluid). ecretion of urea. ith certain methodol in/1.73m2) A: 20 F Alt	ogies,resulting in normal ratio when dehydrat SSOCIATED FINDINGS No proteinuria	





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BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: A1259950 : KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, AMBALA CA	COLLECTION DATE REPORTING DATE	: 24/Nov/2024 12:11PM : 24/Nov/2024 01:25PM
REFERRED BY	:	REGISTRATION DATE	: 24/Nov/2024 09:15 AM
COLLECTED BY		REG. NO./LAB NO.	: 042411240002
NAME AGE/ GENDER	: Mrs. URMIL DHAWAN : 74 YRS/FEMALE	PATIENT ID	: 1626739
	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho	517	(Pathology)

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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BARCODE NO.	: A1259950		LLECTION DATE		
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE		: 24/Nov/2024 12:111 M	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A				
Test Name		Value	Unit	Biological Reference inter	rval
	IMM	UNOPATHOL	OGY/SEROLOGY	Y	
		C-REACTIVE PR	OTEIN (CRP)		
	EIN (CRP) QUANTITATIVE:	4.28	mg/L	0.0 - 6.0	
C-REACTIVE PROT					
SERUM					
SERUM by NEPHLOMETRY INTERPRETATION:					
SERUM by NEPHLOMETRY INTERPRETATION: 1. C-reactive protein	(CRP) is one of the most sensitive	acute-phase reactar	nts for inflammation.	n, inflammation, surgery, or neoplastic	

5. Elevated values are consistent with an acute inflammatory process. NOTE:

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history. 2. Oral contraceptives may increase CRP levels.

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mrs. URMIL DH		DA TERMIT I	D	. 1000700
AGE/ GENDER COLLECTED BY	: 74 YRS/FEMALE		PATIENT I REG. NO./I		: 1626739
REFERRED BY	•			TION DATE	: 042411240002 : 24/Nov/2024 09:15 AM
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CLIENT CODE.	: KOS DIAGNOSTI	IC SHAHBAD	REPORTIN		: 24/Nov/2024 01:24PM
CLIENT ADDRESS		LSON ROAD, AMBALA CA	ANTT		
Test Name		Value	e	Unit	Biological Reference interval
	RH	EUMATOID FACTO	R (RA): QUA	NTITATIVE	- SERUM
RHEUMATOID (RA) SERUM by NEPHLOMETRY				IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
4. The titer of RF corrects. 5. The test is useful for RHEUMATOID ARTHIRI 1. Rheumatoid Arthiring membrane lining (syntext) 2. The disease spredats 3. The diagnosis of RA measurement of RA fators for the test CAUTION (FALSE POST 1. RA factor is not specents) 2. Non rheumatoid and RA patients have a nor 3. Patients with various lupus erythematosus, patients with various lupus erythematosus, patients of the test 4. Anti-CCP have been specific (98%) than RA 5. Upto 30 % of patients	elates poorly with d or diagnosis and pro ITIS: itis is a systemic autory ovium) joints which s from small to larg A is primarily based octor. IVE):- cific for Rheumatoid d rheumatoid arthrit nreactive titer and 8 is nonrheumatoid dis polymyositis, tuberco discovered in joints factor. ts with Seronegative	ognosis of rheumatoid an itoimmune disease that i h ledas to progressive jo ge joints, with greatest da i on clinical, radiological arthiritis, as it is often pro- tis (RA) populations are no 3% of nonrheumatoid pati- iseases, characterized by cl culosis, syphilis, viral hepa of patients with RA, but r re Rheumatoid arthiritis al P antibodies for Rheumato	e patients with hig rthritis. s multi-functiona int destruction ar amage in early ph & immunological esent in healthy into to clearly separate ents have a positiv hronic inflammatic titis, infectious mo oot in other form o so show Anti-CCP.	h titers tend to I in origin and i ad in most case ase. features.The n dividuals with o with regard to with regard to with regard to with regard to so may have pos nonucleosis, an f joint disease.A antibodies. greater than Rh	have more severe disease course. s characterized by chronic inflammation of the s to disability and reduction of quality life. nost frequent serological test is the ther autoimmune diseases and chronic infections the presence of rheumatoid factor (RF) (15% of sitive tests for RF. These diseases include systemic d influenza. nti-CCP2 is HIGHLY SENSITIVE (71%) & more

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