



	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F			(Pathology)	
NAME	: Mrs. DALIP KAUR				
AGE/ GENDER	: 80 YRS/FEMALE		PATIENT ID	: 1809580	
COLLECTED BY	:		REG. NO./LAB NO.	: 042503280006	
REFERRED BY	:		REGISTRATION DATE	: 28/Mar/2025 11:47 AM	
BARCODE NO.	: A1260748		COLLECTION DATE	: 28/Mar/2025 03:27PM	
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 28/Mar/2025 04:09PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT			
Test Name	v	alue	Unit	Biological Reference in	nterval
	SWASTHY	YA WE	LLNESS PANEL: (G	
	COMPLE	ETE BLO	OOD COUNT (CBC)		
RED BLOOD CELL	S (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HE	3)	11.5 ^L	gm/dL	12.0 - 16.0	
RED BLOOD CELL (RBC) COUNT	4.09	Millions/	s/cmm 3.50 - 5.00	
ACKED CELL VOL		35.4 ^L	%	37.0 - 50.0	
MEAN CORPUSCUL	AR VOLUME (MCV) ITOMATED HEMATOLOGY ANALYZER	86.5	fL	80.0 - 100.0	
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) ITOMATED HEMATOLOGY ANALYZER	28.1	pg	27.0 - 34.0	
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC)	32.5	g/dL	32.0 - 36.0	
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	13.7	%	11.00 - 16.00	
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	44.3	fL	35.0 - 56.0	
MENTZERS INDEX		21.15	RATIO	BETA THALASSEMIA 13.0	A TRAIT: «
.,				IRON DEFICIENCY A	NEMIA:
GREEN & KING INI	DEX	89.14	RATIO	>13.0 BETA THALASSEMIA	TRAIT:
by CALCULATED				<= 65.0 IRON DEFICIENCY A 65.0	NEMIA: >
WHITE BLOOD CE	CLLS (WBCS)			0010	
TOTAL LEUCOCYT	E COUNT (TLC) by sf cube & microscopy	9070	/cmm	4000 - 11000	
NUCLEATED RED E	BLOOD CELLS (nRBCS) T HEMATOLOGY ANALYZER	NIL		0.00 - 20.00	
•	BLOOD CELLS (nRBCS) %	NIL	%	< 10 %	
1974240			0		





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name		Value	Unit	Biological Reference interval
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER			
DIFFERENTIAL L	EUCOCYTE COUNT (DLC)			
-	Y BY SF CUBE & MICROSCOPY	64	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY	27	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY	3	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUK	OCYTES (WBC) COUNT			
ABSOLUTE NEUTH	ROPHIL COUNT y by sf cube & microscopy	5805	/cmm	2000 - 7500
ABSOLUTE LYMPI	HOCYTE COUNT y by sf cube & microscopy	2449	/cmm	800 - 4900
ABSOLUTE EOSIN	OPHIL COUNT y by sf cube & microscopy	272	/cmm	40 - 440
ABSOLUTE MONO		544	/cmm	80 - 880
,	OTHER PLATELET PREDICTIV	E MARKERS.		
PLATELET COUNT	Γ (PLT) FOCUSING, ELECTRICAL IMPEDENCE	277000	/cmm	150000 - 450000
PLATELETCRIT (P		0.35	%	0.10 - 0.36
MEAN PLATELET		12 ^H	fL	6.50 - 12.0
PLATELET LARGE	E CELL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	122000 ^H	/cmm	30000 - 90000
PLATELET LARGE	E CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	44.1	%	11.0 - 45.0
PLATELET DISTR	IBUTION WIDTH (PDW) FOCUSING, ELECTRICAL IMPEDENCE	15.9	%	15.0 - 17.0

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



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Test Name	Va	lue Unit	Biological Reference interval



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CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, A		ING DATE	: 28/Mar/2025 04:45PM
Test Name		Value	Unit	Biological Reference interval
	GLYC	OSYLATED HAEMOG	LOBIN (HBA1C	
WHOLE BLOOD	EMOGLOBIN (HbA1c):	6.1	%	4.0 - 6.4
ESTIMATED AVERAC	GE PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	128.37	mg/dL	60.00 - 140.00
	AS PER AMERICAN DIABE	TES ASSOCIATION (ADA):		
	FERENCE GROUP	GLYCOSYLATED HEN		n %
	etic Adults >= 18 years		5.7	
	Risk (Prediabetes)		- 6.4	
Dia	gnosing Diabetes		= 6.5	
	-		19 Years	
Thorapoutic	goals for glycemic control	Goals of Therapy:	< 7.0	
merapeutic	goals for grycernic control	Actions Suggested:	>8.0	·
	-	Age <	19 Years	

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

<7.5

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, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0 % may not be

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.





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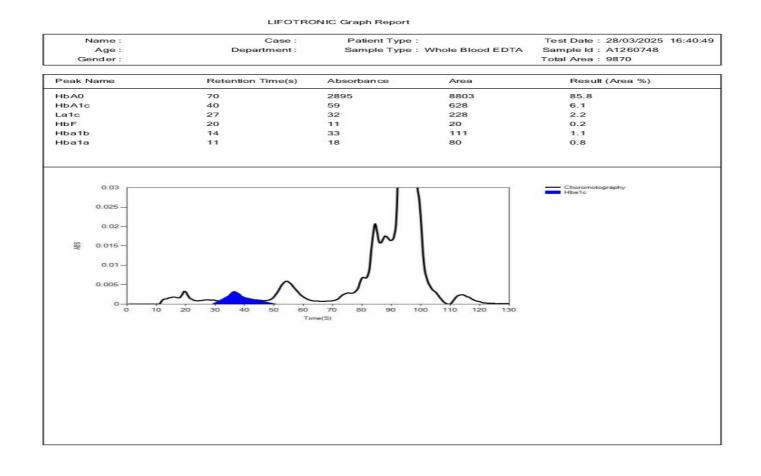


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Test Name	V	value Unit	Biological Reference interval





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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	R	EPORTING DATE	: 28/Mar/2025 05:24PM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT				
Test Name		Value	Unit	Biological Reference interval		
	ERYTHROC	CYTE SEDIM	ENTATION RATE	(ESR)		
by RED CELL AGGREG	EDIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMETRY	41 ^H	mm/1st h			
immune disease, but	does not tell the health practitioner	r exactly where t	he inflammation is in the	on associated with infection, cancer and auto- body or what is causing it. sically used in conjunction with other test such		
3. This test may also be systemic lupus erythe CONDITION WITH LOV A low ESR can be seen (polycythaemia), sign	ematosus V ESR n with conditions that inhibit the no	ormal sedimenta t (leucocytosis)	tion of red blood cells, su	bove diseases as well as some others, such as uch as a high red blood cell count malities. Some changes in red cell shape (such		
 2. Generally, ESR doe: 3. CRP is not affected 4. If the ESR is elevate 5. Women tend to have 6. Drugs such as dextil 	NOTE: 1. ESR and C - reactive protein (C-RP) are both markers of inflammation. 2. Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves. 3. CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation. 4. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen. 5. Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations. 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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		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO.	: Mrs. DALIP KAUR : 80 YRS/FEMALE : : : A1260746	RI	TIENT ID 2G. NO./LAB NO. 2GISTRATION DATE 2LLECTION DATE	: 1809580 : 042503280006 : 28/Mar/2025 11:47 AM : 28/Mar/2025 03:26PM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHBA : 6349/1, NICHOLSON ROAI		EPORTING DATE	: 28/Mar/2025 04:54PM
Test Name		Value	Unit	Biological Reference interval
	E - PEROXIDASE (GOD-POD)			PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
1. A fasting plasma g 2. A fasting plasma g test (after consumpt 3. A fasting plasma g	ion of 75 ams of alucose) is reco	s considered normal. 5 mg/dl is considered a 5 mmended for all such 11 is highly suggestive o	patients. of diabetic state. A repe	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for al atory for diabetic state.

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT	,	
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	OFILE : BASIC	
CHOLESTEROL TO	OTAL: SERUM	235.51 ^H	mg/dL	OPTIMAL : < 200.0
by CHOLESTEROL O>	(IDASE PAP	200101		BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES:	SERUM	177.31 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSF	PHATE OXIDASE (ENZYMATIC)	11101		BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTER	DL (DIRECT): SERUM	62.73	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBIT	ION			BORDERLINE HIGH HDL: 30.0
				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERC	I · SERUM	105 00H	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE		137.32 ^H	ing/uL	ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES	STEROL: SERUM	172.78 ^H	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE		1/2./0		ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 -
				189.0 IIICH: 100.0 210.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER	OL: SERUM	35.46	mg/dL	0.00 - 45.00
by CALCULATED, SPE				
TOTAL LIPIDS: SE by CALCULATED, SPE		648.33	mg/dL	350.00 - 700.00
	DL RATIO: SERUM	3.75	RATIO	LOW RISK: 3.30 - 4.40
01102200121002/111	CTROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0

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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S	-	2.19	RATIO	MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 LOW RISK: 0.50 - 3.0
by CALCULATED, SPE	CTROPHOTOMETRY			MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H	IDL RATIO: SERUM	2.83 ^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.

 Cow 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
			ON TEST (COMPLETE	
BILIRUBIN TOTAL: by DIAZOTIZATION, SPI		0.67	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.52	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYR		15.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM		10.2	U/L	0.00 - 49.00
AST/ALT RATIO: SE	ERUM	1.55	RATIO	0.00 - 46.00
ALKALINE PHOSPH		94.47	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROPI	YL TRANSFERASE (GGT): SERUM htometry	1 13.99	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTROP		6.94	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GR		4.19	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	[2.75	gm/dL	2.30 - 3.50
A : G RATIO: SERUN	М	1.52	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 Ind	creased)

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:

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



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Dr. Vinay Cho MD (Pathology & I Chairman & Consu		Microbiology) MD (Pathology)			
NAME	: Mrs. DALIP KAUR				
AGE/ GENDER	: 80 YRS/FEMALE		PATIENT ID	: 1809580	
COLLECTED BY	:		REG. NO./LAB NO.	: 042503280006	
REFERRED BY	:		REGISTRATION DATE	: 28/Mar/2025 11:47 AM	
BARCODE NO.	: A1260747		COLLECTION DATE	: 28/Mar/2025 03:27PM	
CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD		REPORTING DATE		: 28/Mar/2025 04:54PM	
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, A		MBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
	KIDNE	Y FUNCTI	ON TEST (COMPLET)	Е)	
UREA: SERUM		28.48	mg/dL	10.00 - 50.00	
	IATE DEHYDROGENASE (GLDH)				
CREATININE: SER		0.84	mg/dL	0.40 - 1.20	
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		13.31	mg/dL	7.0 - 25.0	
BLOOD UREA NITROGEN (BUN)/CREATININE		15.85	RATIO	10.0 - 20.0	
RATIO: SERUM by CALCULATED, SPE	CTROPHOTOMETRY				
UREA/CREATININ		33.9	RATIO		
URIC ACID: SERUN		4.73	mg/dL	2.50 - 6.80	
by URICASE - OXIDAS	E PEROXIDASE				
CALCIUM: SERUM by ARSENAZO III, SPE		9.83	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SI		3.31	mg/dL	2.30 - 4.70	
ELECTROLYTES	ATE, SI ECINOI HOTOMETRI				
SODIUM: SERUM		139.4	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV POTASSIUM: SERU		4.51	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIVE ELECTRODE)					
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)		104.55	mmol/L	90.0 - 110.0	
	MERULAR FILTERATION RAT	<u>Έ</u>			
ESTIMATED GLON (eGFR): SERUM by CALCULATED	MERULAR FILTERATION RATE	70.2			
INTERPRETATION:	oon pro, and past ronal azatamia				

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.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA			
Test Name		Value	Unit	Biological Reference interval
burns, surgery, cache 7. Urine reabsorptior 8. Reduced muscle n 9. Certain drugs (e.g. INCREASED RATIO (> 2	action plus ake or production or tissue bre exia, high fever). a (e.g. ureter colostomy) hass (subnormal creatinine pr tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN	oduction)		osis, Cushing's syndrome, high protein diet,
 High protein intake Impaired renal fur Excess protein intake Curine reabsorption Reduced muscle n Certain drugs (e.g. NCREASED RATIO (Postrenal azotemia DECREASED RATIO (Acute tubular nection Severe liver diseas Other causes of definition Repeated dialysis Inherited hyperam SIADH (syndrome Pregnancy. 	action plus ake or production or tissue bre- exia, high fever). a (e.g. ureter colostomy) hass (subnormal creatinine pr tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionate superimposed on renal disea 10:1) WITH DECREASED BUN : rosis. nd starvation.	oduction) IINE LEVELS: ly more than creatining se. liffuses out of extracel bsent in blood). armone) due to tubula	e) (e.g. obstructive uropa lular fluid).	

CKD STAGE	STAGE DESCRIPTION GFR (mL/min/1.73m2)		ASSOCIATED FINDINGS	
G1	Normal kidney function	>90	No proteinuria	
G2	Kidney damage with normal or high GFR	>90	Presence of Protein , 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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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 FR category reported as per KDIGO guideline 2012

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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T4 N		Value	Unit	Biological Reference interval
Test Name				
lest name	IMMU	NOPATHOL	OGY/SEROLOG	Y
1 est Name			OGY/SEROLOG ROTEIN (CRP)	Y
				EY 0.0 - 6.0
L	C	REACTIVE PI	ROTEIN (CRP)	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 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.



	M	r. Vinay Chop D (Pathology & M hairman & Consult	icrobiology)		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. DALIP KA : 80 YRS/FEMAL : : : A1260747 : KOS DIAGNOST : 6349/1, NICHO	E	IBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1809580 : 042503280006 : 28/Mar/2025 11:47 AM : 28/Mar/2025 03:27PM : 28/Mar/2025 04:54PM
Test Name			Value	Unit	Biological Reference interval
	RH	EUMATOID I	FACTOR (1	RA): QUANTITATIV	E - SERUM
 Over 75% of patient useful although it may Inflammatory Mark The titer of RF corrects The test is useful for RHEUMATOID ARTHIR Rheumatoid Arthir membrane lining (syr The disease spreda Patients is not specific (98%) than RA Upto 30% of patient) FACTOR QUAN (RA): (RA): (RF) are antibodi- ts with rheumatoi y not be etiologica ers such as ESR & elates poorly with or diagnosis and p TIS: itis is a systemic a lovium) joints whi s from small to lar A is primarily base ctor. TVE):- cific for Rheumatoid d rheumatoid arthron reactive titer and s nonrheumatoid co polymyosits, tuber discovered in joint: factor. ts with Seronegati	NTITATIVE: es that are directed d arthritis (RA) h Ily related to RA. C-Reactive proted disease activity, k rognosis of rheur utoimmune disease ch ledas to progr ge joints, with gr d on clinical, radi d arthiritis, as it is ritis (RA) population 8% of nonrheumat liseases, character croulosis, syphilis, v s of patients with ve Rheumatoid ar CP antibodies for F	1.99 ed against the ave an IgM an in (CRP) are no but those pati- matoid arthrit ase that is mu essive joint du reatest damag iological & im coften present ons are not clea- toid patients I ized by chronik iral hepatitis, for RA, but not in thiritis also shi	IU/mL Fc fragment of IgG altered tibody to IgG immunoglob ormal in about 60 % of pat ents with high titers tend to is. Iti-functional in origin and estruction and in most cas le in early phase. munological features.The in healthy individuals with of arly separate with regard to chave a positive titer). c inflammation may have posi- infectious mononucleosis, a other form of joint disease. ow Anti-CCP antibodies. thiritis is far greater than R	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0 A in its tertiary structure. ulin. This autoantibody (RF) is diagnostically ients with positive RA. b have more severe disease course. is characterized by chronic inflammation of the es to disability and reduction of quality life. most frequent serological test is the other autoimmune diseases and chronic infections. the presence of rheumatoid factor (RF) (15% of positive tests for RF. These diseases include systemic in filuenza. Anti-CCP2 is HIGHLY SENSITIVE (71%) & more

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