



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		Pathology)
NAME	: Mrs. SAROJ JAIN			
AGE/ GENDER	: 78 YRS/FEMALE		PATIENT ID	: 1563750
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407290023
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 29/Jul/2024 09:46 AM
BARCODE NO.	: 01514045		COLLECTION DATE	: 29/Jul/2024 09:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 29/Jul/2024 10:20AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.0	
	CON	<b>NPLETE BLO</b>	DOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		12.3	gm/dL	12.0 - 16.0
RED BLOOD CELL (RE	BC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	4.76	Millions/cr	nm 3.50 - 5.00
PACKED CELL VOLUN		38.9	%	37.0 - 50.0
MEAN CORPUSCULA		81.6	fL	80.0 - 100.0
MEAN CORPUSCULA	AR HAEMOGLOBIN (MCH)	25.8 <sup>L</sup>	pg	27.0 - 34.0
MEAN CORPUSCULA	AR HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER	31.5 <sup>L</sup>	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	TION WIDTH (RDW-CV)	13.8	%	11.00 - 16.00
RED CELL DISTRIBUT	TON WIDTH (RDW-SD)	42.1	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		17.14	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	23.62	RATIO	BETA THALASSEMIA TRAIT: < = 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>S (WBCS)</u>			IKON DEI IGIENGT ANEIVIIA. 203.0
TOTAL LEUCOCYTE C		7330	/cmm	4000 - 11000
NUCLEATED RED BLO		NIL		0.00 - 20.00
NUCLEATED RED BLO by CALCULATED BY A MICROSCOPY	DOD CELLS (nRBCS) % NUTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %
DIFFERENTIAL LEUCO	<u> DCYTE COUNT (DLC)</u>			



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







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Vinay Cho MD (Pathology & N Chairman & Consu		Microbiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
NEUTROPHILS	Y BY SF CUBE & MICROSCOPY	59	%	50 - 70
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	29	%	20 - 40
EOSINOPHILS by flow cytometr	Y BY SF CUBE & MICROSCOPY	4	%	1-6
MONOCYTES by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	8	%	2 - 12
BASOPHILS by flow cytometr	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCY	TES (WBC) COUNT			
ABSOLUTE NEUTRO by FLOW CYTOMETR	PHIL COUNT y by sf cube & microscopy	4325	/cmm	2000 - 7500
ABSOLUTE LYMPHO by FLOW CYTOMETR	CYTE COUNT y by sf cube & microscopy	2126	/cmm	800 - 4900
ABSOLUTE EOSINOF by FLOW CYTOMETR	HIL COUNT Y by sf cube & microscopy	293	/cmm	40 - 440
ABSOLUTE MONOCY	(TE COUNT y by sf cube & microscopy	586	/cmm	80 - 880
ABSOLUTE BASOPHI	L COUNT y by sf cube & microscopy	0	/cmm	0 - 110
PLATELETS AND OT	HER PLATELET PREDICTIVE MARK	(ERS.		
PLATELET COUNT (P	LT) FOCUSING, ELECTRICAL IMPEDENCE	282000	/cmm	150000 - 450000
PLATELETCRIT (PCT)		0.23	%	0.10 - 0.36
MEAN PLATELET VO		8	fL	6.50 - 12.0
PLATELET LARGE CE		40000	/cmm	30000 - 90000
PLATELET LARGE CE		14.3	%	11.0 - 45.0
		45.7	0/	

PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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22272-22121
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DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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

%

15.7



15.0 - 17.0





	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Patholo		(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	TT	
			/
Test Name	Value	Unit	<b>Biological Reference interval</b>



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Test Name		Value	Unit	Biological Reference interval
	ERYTI	HROCYTE SEDIMEN	TATION RATE (ES	R)
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	23 <sup>H</sup>	mm/1st l	hr 0 - 20
1. ESR is a non-specif immune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practition acted by other conditions besides be used to monitor disease activ	oner exactly where the s inflammation. For this	inflammation is in the sreason, the ESR is ty	ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as

## CONDITION WITH LOW ESR

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

## 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.

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

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.

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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	Chairman & Con	sultant Pathologist C	EO & Consultant	Pathologist
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BARCODE NO.	: 01514045	COLLECT	ION DATE	: 29/Jul/2024 09:55AM
		<b>REPORTING DATE</b>		: 29/Jul/2024 10:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	ING DATE	. 23/Jul/ 2024 10.41AM
	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, .		ING DATE	. 23/Jul/ 2024 10.41AW
			Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, .	AMBALA CANTT	Unit	Biological Reference interval
CLIENT CODE. CLIENT ADDRESS Test Name	: 6349/1, NICHOLSON ROAD, .	AMBALA CANTT	Unit OCHEMISTR	Biological Reference interval

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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LIPID PROFILE : BASIC         CHOLESTEROL TOTAL: SERUM       115.24       mg/dL       OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 HIGH CHOLESTEROL OXIDASE PAP         TRIGLYCERIDES: SERUM       115.56       mg/dL       OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 HIGH: 200.0 - 499.0 VERY HIGH: > 0R = 500.0 HIGH: 200.0 - 499.0 VERY HIGH: > 0R = 500.0 HIGH HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > 0R = 60.0 LDL CHOLESTEROL: SERUM       48.94       mg/dL       DOW HDL: < 30.0 BORDERLINE HIGH HDL: 30 60.0 HIGH HDL: > 0R = 60.0 HIGH: 100.0 - 1 BORDERLINE HIGH: 130.0 - 1 BORDERL			hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name         Value         Unit         Biological Reference interv           CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP         115.24         mg/dL         OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - HIGH CHOLESTEROL: SERUM           TRICLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)         115.56         mg/dL         OPTIMAL: < 150.0 BORDERLINE HIGH: 50.0 - HIGH: 200.0 - 4HIGH: 200.0 - HIGH: 200.0 - 4HIGH: 50.0 - HIGH: 200.0 - 4HIGH: 50.0 - HIGH: 200.0 - 4HIGH: 50.0 - HIGH: 200.0 - 0           HDL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION         48.94         mg/dL         OPTIMAL: < 10.0 BORDERLINE HIGH: 50.R - 60.0 HIGH HDL: > 0R = 60.0 HIGH: 100.0 - 1 BORDERLINE HIGH: 130.0 - HIGH: 100.0 - 1 BORDERLINE HIGH: 130.0 - HIGH: 100.0 - 189.0 VERY HIGH: > 0R = 190.0 VERY HIGH: > 0R = 20.0 VERY HIGH: > 0R = 220.0 VERY HIGH: > 0R = 20.0 VERY HIGH = 0R = 20.0 VERY HIGH = 0R = 20.0 VERY HIGH = 0R				ORTING DATE	: 29/Jul/2024 11:07AM
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CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP115.24mg/dLOPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 HIGH CHOLESTEROL: > OR HIGH CHOLESTEROL: > OR HIGH CHOLESTEROL: > OR BORDERLINE HIGH: 150.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0 HIGH: > OR = 60.0 HIGH: > OR = 60.0 HIGH: > OR = 60.0 HIGH: > OR = 60.0 HIGH: > OR = 190.0 O HIGH: > OR = 190.0 VERY HIGH: > OR = 190.0 VERY HIGH: > OR = 190.0 VERY HIGH: > OR = 220.0 VERY HIGH: > OR = 220.0 <br< td=""><td>Test Name</td><td></td><td>Value</td><td>Unit</td><td>Biological Reference interval</td></br<>	Test Name		Value	Unit	Biological Reference interval
by CHOLESTEROL OXIDASE PAP BORDERLINE HIGH: 200.0 - HIGH CHOLESTEROL: > OR : TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC) HIDL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION CLUC CHOLESTEROL: SERUM CLUC CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL SERUM by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL SERUM by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL SERUM CHOLESTEROL SERUM CHOLESTEROL SERUM CHOLESTEROL SERUM CHOLESTEROL SERUM CHOLESTEROL SERUM CHOLESTEROL S			LIPID PROFILE	E : BASIC	
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bitbitbitbitCHOLESTEROL: SERUM43.19mg/dLOPTIMAL: < 100.0			48.94	mg/dL	
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by CALCULATED, SPECTROPHOTOMETRYABOVE OPTIMAL: 100.0 - 1. BORDERLINE HIGH: 130.0 - HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 VERY HIGH: > OR = 190.0 VERY HIGH: > OR = 190.0 VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 - ABOVE OPTIMAL: < 130.0 - ABOVE OPTIMAL: 130.0 - 11 BORDERLINE HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 - 11 BORDERLINE HIGH: 160.0 - 11 BORDERLINE HIGH: 160.0 - HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY23.11mg/dL0.00 - 45.00 VERY HIGH: > OR = 220.0VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY346.04Lmg/dL350.00 - 700.00 AVERAGE RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11. HIGH RISK: > 11.0LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY0.88RATIOLOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.00					
NON HDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY66.3mg/dLBORDERLINE HIGH: 130.0 - HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 OPTIMAL: <130.0 - ABOVE OPTIMAL: 130.0 - 1 BORDERLINE HIGH: 160.0 - HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0 VERY HIGH: > O.00 - 45.00 VERY HIGH: > OR = 220.0 VERY HIGH: > OR = 20.0 VERY HIGH: > OR = 220.0 VERY HIGH: > OR = 20.0 VERY HIGH: > OR = 20.0 VERY HIGH: > OR = 20.0 VERY HIGH: > OR =			43.19	mg/dL	
NON HDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY66.3mg/dLOPTIMAL: 4 130.0 ABOVE OPTIMAL: 130.0 - 1 BORDERLINE HIGH: 160.0 - HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY23.11mg/dL0.00 - 45.00 VERY HIGH: > OR = 220.0TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETRY346.04 <sup>L</sup> mg/dL350.00 - 700.00CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY2.35RATIOLOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11. HIGH RISK: > 11.0LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY0.88RATIOLOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.00	by CALCULATED, SPEC	TROPHOTOMETRY			
NON HDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY66.3mg/dLOPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 1 BORDERLINE HIGH: 160.0 - HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY23.11mg/dL0.00 - 45.00TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETRY346.04 <sup>L</sup> mg/dL350.00 - 700.00CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY2.35RATIOLOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11. HIGH RISK: > 11.0LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY0.88RATIOLOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.00					
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Norte Rinklet High: 160.0BORDERLINE HIGH: 160.0HIGH: 190.0 - 219.0VLDL CHOLESTEROL: SERUMby CALCULATED, SPECTROPHOTOMETRYTOTAL LIPIDS: SERUMby CALCULATED, SPECTROPHOTOMETRYCHOLESTEROL/HDL RATIO: SERUMby CALCULATED, SPECTROPHOTOMETRYCHOLESTEROL/HDL RATIO: SERUMby CALCULATED, SPECTROPHOTOMETRYCLOUR RATIO: SERUMby CALCULATED, SPECTROPHOTOMETRYCHOLESTEROL/HDL RATIO: SERUMby CALCULATED, SPECTROPHOTOMETRYCLOUR RATER RISK: 3.10 - 6.00			66.3	mg/dL	
VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY23.11mg/dLVERY HIGH: > OR = 220.0TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETRY346.04 <sup>L</sup> mg/dL350.00 - 700.00CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY2.35RATIOLOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11. HIGH RISK: > 11.0LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY0.88RATIOLOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.00	by 6/12002/1122, 6/ 20				BORDERLINE HIGH: 160.0 - 189.0
VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY23.11mg/dL0.00 - 45.00TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETRY346.04Lmg/dL350.00 - 700.00CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY2.35RATIOLOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11. HIGH RISK: > 11.0LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY0.88RATIOLOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.00					
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by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY 0.88 RATIO LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0			23.11	mg/dL	0.00 - 45.00
CHOLESTEROL/HDL RATIO: SERUM       2.35       RATIO       LOW RISK: 3.30 - 4.40         by CALCULATED, SPECTROPHOTOMETRY       AVERAGE RISK: 4.50 - 7.0       MODERATE RISK: 7.10 - 11.         LDL/HDL RATIO: SERUM       0.88       RATIO       LOW RISK: 0.50 - 3.0         by CALCULATED, SPECTROPHOTOMETRY       0.88       RATIO       LOW RISK: 0.50 - 3.0			346.04 <sup>L</sup>	mg/dL	350.00 - 700.00
MODERATE RISK: 7.10 - 11.         HIGH RISK: > 11.0         LDL/HDL RATIO: SERUM       0.88         by CALCULATED, SPECTROPHOTOMETRY			2.35	RATIO	LOW RISK: 3.30 - 4.40
LDL/HDL RATIO: SERUM       0.88       RATIO       LOW RISK: > 11.0         by CALCULATED, SPECTROPHOTOMETRY       0.88       RATIO       LOW RISK: 0.50 - 3.0	by CALCULATED, SPEC	TROPHOTOMETRY			
LDL/HDL RATIO: SERUM 0.88 RATIO LOW RISK: 0.50 - 3.0 by CALCULATED, SPECTROPHOTOMETRY 0.88 RATIO MODERATE RISK: 3.10 - 6.0					
by CALCULATED, SPECTROPHOTOMETRY MODERATE RISK: 3.10 - 6.0	LDL/HDL RATIO: SERL	JM	0.88	RATIO	
HIGH RISK: > 6.0	by CALCULATED, SPEC	TROPHOTOMETRY			MODERATE RISK: 3.10 - 6.0
					HIGH RISK: > 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.VINAY CHOPRA

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		Chopra / & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SAROJ JAIN			
AGE/ GENDER	: 78 YRS/FEMALE	PATI	ENT ID	: 1563750
COLLECTED BY	: SURJESH	REG. 1	NO./LAB NO.	: 012407290023
<b>REFERRED BY</b>	:	REGIS	<b>STRATION DATE</b>	: 29/Jul/2024 09:46 AM
BARCODE NO.	: 01514045	COLL	ECTION DATE	: 29/Jul/2024 09:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 29/Jul/2024 11:07AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.36 <sup>L</sup>	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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Dr. Vinay Cho MD (Pathology & M Chairman & Consu		1icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SAROJ JAIN			
AGE/ GENDER	: 78 YRS/FEMALE	PA	TIENT ID	: 1563750
COLLECTED BY	: SURJESH	RI	EG. NO./LAB NO.	: 012407290023
<b>REFERRED BY</b>	:	RI	GISTRATION DATE	: 29/Jul/2024 09:46 AM
BARCODE NO.	:01514045	CO	<b>LLECTION DATE</b>	: 29/Jul/2024 09:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	PORTING DATE	: 29/Jul/2024 11:07AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIV	ER FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM PECTROPHOTOMETRY	0.69	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.25	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT by CALCULATED, SPE	C (UNCONJUGATED): SERUM	0.44	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	17.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	18.3	U/L	0.00 - 49.00
AST/ALT RATIO: SER	M	0.95	RATIO	0.00 - 46.00
ALKALINE PHOSPHA by para nitrophen propanol	TASE: SERUM YL PHOSPHATASE BY AMINO METHYL	98.6	U/L	40.0 - 130.0
GAMMA GLUTAMYL by SZASZ, SPECTRO	_ TRANSFERASE (GGT): SERUM PHTOMETRY	13.28	U/L	0.00 - 55.0
TOTAL PROTEINS: SI by BIURET, SPECTRO		6.39	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	3.75	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE		2.64	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.42	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** 





	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	gam Chopra MD (Pathology) ultant Pathologist
NAME	: Mrs. SAROJ JAIN		
AGE/ GENDER	: 78 YRS/FEMALE	PATIENT ID	: 1563750
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012407290023
<b>REFERRED BY</b>	:	<b>REGISTRATION DA</b>	<b>FE</b> : 29/Jul/2024 09:46 AM
BARCODE NO.	: 01514045	COLLECTION DATE	: 29/Jul/2024 09:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 29/Jul/2024 11:07AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT	
Test Name		Value Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slight	y Increased)

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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	<b>Dr. Vinay Cho</b> MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 29/Jul/2024 12:25PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	KID	ONEY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		22.67	mg/dL	10.00 - 50.00
-	ATE DEHYDROGENASE (GLDH)		· ·	
CREATININE: SERUM		0.76	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC BLOOD UREA NITRO		10.59	mg/dL	7.0 - 25.0
by CALCULATED, SPE		10.07	Thig/ dE	7.0 20.0
	GEN (BUN)/CREATININE	13.93	RATIO	10.0 - 20.0
RATIO: SERUM by calculated, spe	CTROPHOTOMETRY			
UREA/CREATININE R		29.83	RATIO	
by CALCULATED, SPE		27.00	in the	
URIC ACID: SERUM		5.92	mg/dL	2.50 - 6.80
by URICASE - OXIDAS CALCIUM: SERUM	E PEROXIDASE	10.26	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	CTROPHOTOMETRY	10.20	IIIg/uL	8.50 - 10.00
PHOSPHOROUS: SER		3.44	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBD ELECTROLYTES	ATE, SPECTROPHOTOMETRY			
			mm al /l	125.0.150.0
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	132.2 <sup>L</sup>	mmol/L	135.0 - 150.0
POTASSIUM: SERUM		4.53	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	E ELECTRODE)	00.15	mmal/l	00.0 110.0
CHLORIDE: SERUM by ISE (ION SELECTIV	E ELECTRODE)	99.15	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
ESTIMATED GLOME	RULAR FILTERATION RATE	80.2		
(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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5001.2000 CENT						
	٨	<b>Dr. Vinay Chopra</b> 1D (Pathology & Microt Chairman & Consultant			am Chopra 1D (Pathology) ant Pathologist	
NAME	: Mrs. SAROJ J	AIN				
GE/ GENDER	: 78 YRS/FEMA	LE	рат	IENT ID	: 1563750	
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CLIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD, AMBAL	.A CANTT			
Test Name		1	/alue	Unit	Biological	Reference interval
<ol> <li>Inherited hyperam</li> <li>SIADH (syndrome of Beregnancy.</li> <li>Pregnancy.</li> <li>Phenacimide thera</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>bould produce an in</li> <li>Cephalosporin ther</li> <li>ESTIMATED GLOMERL</li> <li>CKD STAGE</li> </ol>	creased urea syn urea rather than monemias (urea of inappropiate an 10:1) WITH INCRE. py (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/cre apy (interferes w JLAR FILTERATION	creatinine diffuses our is virtually absent in bl ntidiuretic harmone) du ASED CREATININE: onversion of creatine t reatinine). al failure. causes false increase atinine ratio). vith creatinine measure I RATE: DESCRIPTION	lood). ue to tubular se to creatinine). in creatinine w ement). GFR ( mL/m	cretion of urea. th certain method	ologies,resulting in norma	al ratio when dehydratio
G1		mal kidney function	>9		No proteinuria	
G2		Iney damage with	>9		Presence of Protein,	
G3a		rmal or high GFR d decrease in GFR	60 -		Ibumin or cast in urine	-
G3b		rate decrease in GFR	30-			1
G4		Pre decrease in GER	15-			1

G4

G5

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Severe decrease in GFR

Kidney failure

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15-29

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Val	ue Unit	<b>Biological Reference interval</b>

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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KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com







	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: <b>Mrs. SAROJ JAIN</b> : 78 YRS/FEMALE : SURJESH : : 01514045 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REGISTI COLLECT REPORT	F ID ./LAB NO. RATION DATE FION DATE TNG DATE	: 1563750 <b>: 012407290023</b> : 29/Jul/2024 09:46 AM : 29/Jul/2024 09:55AM : 29/Jul/2024 10:32AM
Test Name		Value	Unit	Biological Reference interval
PHYSICAL EXAMINA		CLINICAL PATHO		ΓΙΟΝ
COLOUR by DIP STICK/REFLEC TRANSPARANCY by DIP STICK/REFLEC SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	10 AMBER YELLOW CLEAR <=1.005	ml	PALE YELLOW CLEAR 1.002 - 1.030
PROTEIN by DIP STICK/REFLEC SUGAR by DIP STICK/REFLEC pH	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	ACIDIC Negative Negative <=5.0		NEGATIVE (-ve) NEGATIVE (-ve) 5.0 - 7.5
NITRITE by DIP STICK/REFLEC UROBILINOGEN	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY.	Negative Negative Normal Negative	EU/dL	NEGATIVE (-ve) NEGATIVE (-ve) 0.2 - 1.0 NEGATIVE (-ve)
by DIP STICK/REFLEC BLOOD by DIP STICK/REFLEC ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	Negative NEGATIVE (-ve)		NEGATIVE (-ve) NEGATIVE (-ve)

MICROSCOPIC EXAMINATION



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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist



Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs)	Value NEGATIVE (-ve)	Unit /HPF	<b>Biological Reference interval</b> 0 - 3
RED BLOOD CELLS (F by MICROSCOPY ON C PUS CELLS				°
RED BLOOD CELLS (F by MICROSCOPY ON ( PUS CELLS by MICROSCOPY ON ( EPITHELIAL CELLS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3

CRYSTALS NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA NEGATIVE (-ve)

BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

\*\*\* End Of Report \*\*\*

NEGATIVE (-ve)

ABSENT



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NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT