



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology)		gam Chopra MD (Pathology) Itant Pathologist	
NAME	: Mrs. POOJA CHOUDHARY				
AGE/ GENDER	: 46 YRS/FEMALE		PATIENT ID	: 156316	7
COLLECTED BY	:		<b>REG. NO./LAB NO.</b>	:01240	7280010
<b>REFERRED BY</b>	:		<b>REGISTRATION DAT</b>	<b>E</b> : 28/Jul/	2024 07:14 AM
BARCODE NO.	: 01513945		COLLECTION DATE		2024 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 28/Jul/	2024 08:49AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT	ľ		
Test Name		Value	Unit		Biological Reference interval
	SWAS <sup>-</sup>	THYA W	ELLNESS PANEL: 1	.4	
			LOOD COUNT (CBC)		
	BCS) COUNT AND INDICES				
HAEMOGLOBIN (HB)		11.5 <sup>L</sup>	gm/d	L	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RE	BC) COUNT	4.95	Millio	ns/cmm	3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE				
PACKED CELL VOLUN by CALCULATED BY A	IE (PCV) UTOMATED HEMATOLOGY ANALYZER	37.5	%		37.0 - 50.0
MEAN CORPUSCULA	R VOLUME (MCV)	75.7 <sup>L</sup>	fL		80.0 - 100.0
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH)	23.3 <sup>L</sup>	pg		27.0 - 34.0
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER R HEMOGLOBIN CONC. (MCHC)	30.7 <sup>L</sup>	g/dL		32.0 - 36.0
	AUTOMATED HEMATOLOGY ANALYZER TON WIDTH (RDW-CV)	16.7 <sup>H</sup>	%		11.00 - 16.00
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER				
	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	47.4	fL		35.0 - 56.0
MENTZERS INDEX by CALCULATED		15.29	RATIC	C	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	Х	25.61	RATIO	C	BETA THALASSEMIA TRAIT: < =
by CALCULATED					65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	S (WBCS)				INON DEFICIENCE AIVEIVIIA. > 03.0
TOTAL LEUCOCYTE C	OUNT (TLC)	8160	/cmm	1	4000 - 11000
NUCLEATED RED BLC	/ by sf cube & microscopy DOD CELLS (nRBCS) utomated hematology analyzer &	NIL			0.00 - 20.00
	OOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER &	NIL	%		< 10 %

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



an

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



Dr. Vinay Chopra



Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. POOJA CHOUDHARY **AGE/ GENDER** : 46 YRS/FEMALE **PATIENT ID** :1563167 **COLLECTED BY** :012407280010 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 28/Jul/2024 07:14 AM **BARCODE NO.** :01513945 **COLLECTION DATE** : 28/Jul/2024 08:29AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 28/Jul/2024 08:49AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **Biological Reference interval** Test Name 51 % 50 - 70 **NEUTROPHILS** by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 33 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS gН % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 7 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 4162 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 800 - 4900 2693 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 734<sup>H</sup> /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 571 /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) 365000 150000 - 450000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.34 0.10 - 0.36 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 9 MEAN PLATELET VOLUME (MPV) fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 82000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 22.4 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) 15.7 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, J	AMBALA CAN I I		
Test Name		Value	Unit	Biological Reference interval
	GL	YCOSYLATED HAEMOGLO	DBIN (HBA1C)	
GLYCOSYLATED HAEM WHOLE BLOOD	OGLOBIN (HbA1c):	YCOSYLATED HAEMOGLO 6.5 <sup>H</sup>	DBIN (HBA1C) %	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAGE I	OGLOBIN (HbA1c): mance liquid chromatography)			<b>4.0 - 6.4</b> 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAGE I by HPLC (HIGH PERFORM	<b>OGLOBIN (HbA1c):</b> <b>MANCE LIQUID CHROMATOGRAPHY)</b> PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	<b>6.5<sup>H</sup></b> 139.85	%	
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAGE I by HPLC (HIGH PERFORM INTERPRETATION: RE	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB EFERENCE GROUP	6.5 <sup>H</sup>	% mg/dL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAGE I by HPLC (HIGH PERFOR INTERPRETATION: RE Non diab	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB EFERENCE GROUP Detic Adults >= 18 years	6.5 <sup>H</sup> 139.85 ETES ASSOCIATION (ADA): GLYCOSYLATED HEM	% mg/dL IOGLOGIB (HBAIC) ii 5.7	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAGE I by HPLC (HIGH PERFOR INTERPRETATION: RE Non diab At I	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB EFERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	6.5 <sup>H</sup> 139.85 ETES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7	% mg/dL IOGLOGIB (HBAIC) ii 5.7 – 6.4	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAGE I by HPLC (HIGH PERFOR INTERPRETATION: RE Non diab At I	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB EFERENCE GROUP Detic Adults >= 18 years	6.5 <sup>H</sup> 139.85 ETES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7	% mg/dL IOGLOGIB (HBAIC) in 5.7 - 6.4 = 6.5	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAGE I by HPLC (HIGH PERFOR INTERPRETATION: RE Non diab At I	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB EFERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	6.5 <sup>H</sup> 139.85 ETES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7 S.7 Age >	% mg/dL IOGLOGIB (HBAIC) in 5.7 – 6.4 = 6.5 19 Years	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM STIMATED AVERAGE ID by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At 1 Dia	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes) Ignosing Diabetes	6.5 <sup>H</sup> 139.85 ETES ASSOCIATION (ADA): GLYCOSYLATED HEM < 5.7 S.7 Solas of Therapy:	% mg/dL IOGLOGIB (HBAIC) ii 5.7 − 6.4 = 6.5 19 Years < 7.0	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM STIMATED AVERAGE ID by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At 1 Dia	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB EFERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	6.5 <sup>H</sup> 139.85 ETES ASSOCIATION (ADA): GLYCOSYLATED HEM CONTRACT   CONTRACT   Age >   Goals of Therapy:   Actions Suggested:	% mg/dL IOGLOGIB (HBAIC) in 5.7 – 6.4 = 6.5 19 Years	60.00 - 140.00

### 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 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

appropiate. 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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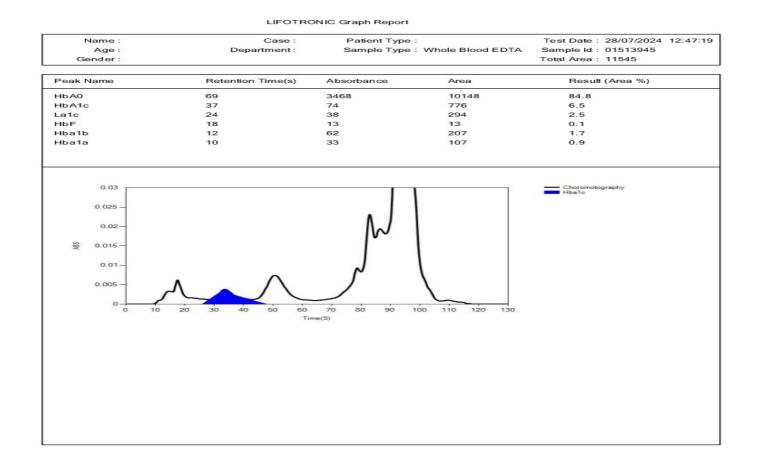


4.High





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NAME	: Mrs. POOJA CHOUDHARY		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1563167
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012407280010
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT	
Test Name		Value Unit	Biological Reference interval





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 28/Jul/2024 09:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTI	HROCYTE SEDIMENT	ATION RATE (ES	R)
	MENTATION RATE (ESR) rgren automated method	48 <sup>H</sup>	mm/1st l	nr 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 octed by other conditions besides	oner exactly where the initial sinflammation. For this re	flammation is in the eason, the ESR is ty	ion associated with infection, cancer and auto- body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as
systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sigr as sickle cells in sickl	ematosus <b>W ESR</b> in with conditions that inhibit th	e normal sedimentation c ount (leucocytosis) , and	f red blood cells, si	uch as a high red blood cell count rmalities. Some changes in red cell shape (such
2. Generally, ESR doe	e protein (C-RP) are both marker es not change as rapidly as does	CRP, either at the start of		

 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 environment of a structure of the start of aspirin, cortisone, and quinine may decrease it





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	<b>PORTING DATE</b>	: 28/Jul/2024 10:23AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTR	//BIOCHEMISTR	Y
		GLUCOSE FA	STING (F)	
GLUCOSE FASTING ( by glucose oxidas	F): PLASMA se - peroxidase (god-pod)	103.09 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
1. A fasting plasma g 2. A fasting plasma g test (after consumpti 3. A fasting plasma g	H AMERICAN DIABETES ASSOCIAT lucose level below 100 mg/dl is o lucose level between 100 - 125 r ion of 75 gms of glucose) is recon lucose level of above 125 mg/dl ing plasma glucose level in exces	considered normal. ng/dl is considered as nmended for all such j is highly suggestive of	glucose intolerant or patients. diabetic state. A repe h occasions is confirm	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for a atory for diabetic state.

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 28/Jul/2024 11:46AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
		GLUCOSE PO	ST PRANDIAL (PP)	
GLUCOSE POST PRA by glucose oxidas	NDIAL (PP): PLASMA e - peroxidase (god-pod)	176.13 <sup>H</sup>	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

### **INTERPRETATION**

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

# IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

A post-prandial plasma glucose level below 140 mg/dl is considered normal.
 A post-prandial glucose level between 140 - 200 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 post-prandial plasma glucose level of above 200 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level of above 200 mg/dl is necess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E : BASIC	
CHOLESTEROL TOTA by CHOLESTEROL OX		329.6 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SER by glycerol phose	UM HATE OXIDASE (ENZYMATIC)	350.74 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL ( by SELECTIVE INHIBITI		51.02	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPE		208.43 <sup>H</sup>	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		278.58 <sup>H</sup>	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
/LDL CHOLESTEROL: by calculated, spe		70.15 <sup>H</sup>	mg/dL	0.00 - 45.00
IOTAL LIPIDS: SERUI	M	1009.94 <sup>H</sup>	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL I by CALCULATED, SPE	RATIO: SERUM	6.46 <sup>H</sup>	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		4.09 <sup>H</sup>	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0



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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		6.87 <sup>H</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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MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

**EXCELLENCE IN HEALTHCARE & DIAGNOSTICS** Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME	: Mrs. POOJA CHOUDHARY		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1563167
COLLECTED BY	:	REG. NO./LAB NO.	: 012407280010
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 28/Jul/2024 07:14 AM
BARCODE NO.	: 01513945	<b>COLLECTION DATE</b>	: 28/Jul/2024 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 28/Jul/2024 10:23AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTI		

Test Name	Value	Unit	Biological Reference interval
L	IVER FUNCTION TE	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.38	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.25	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	19.71	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	26.62	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.74	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METH PROPANOL	123 YL	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	15.32	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by biuret, spectrophotometry	7.35	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.76	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.59 <sup>H</sup>	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.05	RATIO	1.00 - 2.00

## **INTERPRETATION**

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

# **INCREASED:**

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



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

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



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 Chop MD (Pathology & M Chairman & Consult	icrobiology) MD	) (Pathology)
NAME	: Mrs. POOJA CHOUDHARY		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1563167
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Test Name		Value Unit	Biological Reference interval

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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:1563167

:012407280010

: 28/Jul/2024 07:14 AM

: 28/Jul/2024 08:29AM

: 28/Jul/2024 10:23AM

10.00 - 50.00

**Biological Reference interval** 

Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mrs. POOJA CHOUDHARY AGE/ GENDER : 46 YRS/FEMALE **PATIENT ID COLLECTED BY** REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : **BARCODE NO.** :01513945 **COLLECTION DATE** CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **KIDNEY FUNCTION TEST (COMPLETE)** 21.84 mg/dL by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)

CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY	0.69	mg/dL	0.40 - 1.20
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY	10.21	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM	14.8	RATIO	10.0 - 20.0
by CALCULATED, SPECTROPHOTOMETRY UREA/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	31.65	RATIO	
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE	2.92	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY	10.58	mg/dL	8.50 - 10.60
PHOSPHOROUS: SERUM by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY	4.26	mg/dL	2.30 - 4.70
ELECTROLYTES			
SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	143.1	mmol/L	135.0 - 150.0
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	4.55	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE) ESTIMATED GLOMERULAR FILTERATION RATE	107.32	mmol/L	90.0 - 110.0
ESTIMATED GLOMERULAR FILTERATION RATE	108.3		

(eGFR): SERUM by CALCULATED

# **INTERPRETATION:**

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.



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

DR.YUGAM CHOPRA

CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

NAME

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				
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<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		& Microbiology)	MD	n Chopra (Pathology) t Pathologist	
NAME	: Mrs. POOJA CHOUDHARY				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biological	Reference interval
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1	superimposed on renal disease. 0:1) WITH DECREASED BUN :	<b>E LEVELS:</b> nore than creatinine) (e.g. obstruc	tive uropa	ithy).	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. <b>INCREASED RATIO (&gt;2</b> 1. Postrenal azotemia 2. Prerenal azotemia <b>DECREASED RATIO (&lt;1</b> 1. Acute tubular necro 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. <b>DECREASED RATIO (&lt;1</b> 1. Phenacimide thera	(e.g. ureter colostomy) ass (subnormal creatinine produ- tetracycline, glucocorticoids) <b>D:1) WITH ELEVATED CREATININ</b> (BUN rises disproportionately r superimposed on renal disease. <b>0:1) WITH DECREASED BUN :</b> Disis. d starvation. creased urea synthesis. urea rather than creatinine diffi- monemias (urea is virtually abso- f inappropiate antidiuretic harm <b>0:1) WITH INCREASED CREATINII</b> Dy (accelerates conversion of cr	E LEVELS: nore than creatinine) (e.g. obstruc uses out of extracellular fluid). ent in blood). none) due to tubular secretion of u NE:		ıthy).	
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)







	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
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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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	<b>Dr. Vinay Cho</b> MD (Pathology & I Chairman & Const	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		IRON PRO	FILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	55.3	μg/dL	37.0 - 145.0
UNSATURATED IROI SERUM by FERROZINE, SPEC	N BINDING CAPACITY (UIBC)	395.9 <sup>H</sup>	μg/dL	150.0 - 336.0
TOTAL IRON BINDIN SERUM		451.2 <sup>H</sup>	μg/dL	230 - 430

SERUM by SPECTROPHOTOMETERY			
%TRANSFERRIN SATURATION: SERUM by calculated, spectrophotometery (ferene)	12.26 <sup>L</sup>	%	15.0 - 50.0
TRANSFERRIN: SERUM by spectrophotometery (ferene)	320.35	mg/dL	200.0 - 350.0

**INTERPRETATION:-**

VARIABLES	ANEMIA OF CHRONIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM IRON:	Normal to Reduced	Reduced	Normal
TOTAL IRON BINDING CAPACITY:	Decreased	Increased	Normal
% TRANSFERRIN SATURATION:	Decreased	Decreased < 12-15 %	Normal
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased
SERUIVI FERRI I IN:	Normal to increased	Decreased	Normal of Increased

IRON:

Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes.
 It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for the deficiency anemia is the deficiency anemia in Theorem is the deficiency anemia for the deficiency and the deficiency and the deficiency and the deficiency and the deficiency anemia for the deficiency and the deficiency anemia for the deficiency and the deficiency and the deficiency and the deficiency

iron deficiency anemia, is severely contra-indicated in Thalassemia. TOTAL IRON BINDING CAPACITY (TIBC):

1.It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

## % TRANSFERRIN SATURATION:

1. Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.





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	Dr. Vinay Chc MD (Pathology & I Chairman & Consu	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. POOJA CHOUDHARY			
AGE/ GENDER	: 46 YRS/FEMALE	PATI	ENT ID	: 1563167
COLLECTED BY	:	REG.	NO./LAB NO.	: 012407280010
REFERRED BY	:	REGI	STRATION DATE	: 28/Jul/2024 07:14 AM
BARCODE NO.	: 01513945	COLI	ECTION DATE	: 28/Jul/2024 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	DRTING DATE	: 28/Jul/2024 11:46AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		ENDOCRING	DLOGY	
	Tł	HYROID FUNCTION	I TEST: TOTAL	
TRIIODOTHYRONIN by CMIA (CHEMILUMII	E (T3): SERUM NESCENT MICROPARTICLE IMMUNOASS	1.104 SAY)	ng/mL	0.35 - 1.93
THYROXINE (T4): SE by CMIA (CHEMILUMII	RUM NESCENT MICROPARTICLE IMMUNOASS	9.29 SAY)	µgm/dL	4.87 - 12.60
	TING HORMONE (TSH): SERUM	0.138 <sup>L</sup>	μlU/mL	0.35 - 5.50
by CMIA (CHEMILUM				
	RASENSITIVE			

overproduction(hyperthyroidism) of T4 and/or T3.

CLINICAL CONDITION	T3	T4	TSH		
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)		
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High		
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)		
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced		

#### LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (eg: phenytoin , salicylates).

Serum T4 levles in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.
 TSH may be normal in central hypothyroidism , recent rapid correction of hyperthyroidism or hypothroidism , pregnancy , phenytoin therapy.

TRIIODOTHYRONINE (T3)		THYROXINE (T4)		THYROID STIMU	LATING HORMONE (TSH)
Age	Refferance Range (ng/mL)	Age	Refferance Range ( µg/dL)	Age	Reference Range ( µIU/mL)
0 - 7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40





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Test Name			Value	Unit		Biological Reference interval	
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00		
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50		
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50		
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35- 5.50		
	RECOM	MENDATIONS OF TSH LE	VELS DURING PREGN	VANCY ( µIU/mL)			
1st Trimester							
2nd Trimester			0.20 - 3.00				
	3rd Trimester			0.30 - 4.10			

## **INCREASED TSH LEVELS:**

1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3. Hashimotos thyroiditis

4.DRUGS: Amphetamines, idonie containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8. Pregnancy: 1st and 2nd Trimester





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		FING DATE	: 28/Jul/2024 01:32PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		CLINICAL PATHO	DIOGY	
		OUTINE & MICROSCO	OPIC EXAMINAT	TION
PHYSICAL EXAMINA	TION			
QUANTITY RECIEVED		10	ml	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
COLOUR		AMBER YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY		HAZY		CLEAR
	TANCE SPECTROPHOTOMETRY	10.21		OLE, IN
SPECIFIC GRAVITY		1.02		1.002 - 1.030
	TANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINA	ATION			
REACTION		ACIDIC		
-	TANCE SPECTROPHOTOMETRY	Manatha		
PROTEIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	nogativo		
рН		<=5.0		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.		nogativo		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
•	TANCE SPECTROPHOTOMETRY	Nevet		
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	ingativo		
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLEC				

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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						BARCODE NO.	: 01513945	COLLEC	TION DATE	: 28/Jul/2024 08:29AM : 28/Jul/2024 01:32PM	
						CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	<b>FING DATE</b>		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT										
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		1-2	/HPF	0 - 5							
EPITHELIAL CELLS		3-4	/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 NEGATIVE (-ve) NEGATIVE (-ve) OTHERS

ABSENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT



an

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ABSENT

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	М	<b>r. Vinay Choj</b> D (Pathology & M nairman & Consul	licrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)	
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CLIENT ADDRESS	: 6349/1, NICHO	OLSON ROAD, AN	IBALA CANTT			
Test Name			Value	Unit	Biological Reference interva	
		MICROALBUN	/IN/CREATININE F	RATIO - RANDOM	1 URINE	
MICROALBUMIN: RANDOM URINE			113.41 <sup>H</sup>	mg/L	0 - 25	
CREATININE: RANDOM URINE by SPECTROPHOTOMETRY			65.66	mg/dL	20 - 320	
MICROALBUMIN/CI RANDOM URINE by SPECTROPHOTOI INTERPRETATION:-			172.72 <sup>H</sup>	mg/g	0 - 30	
PHYSIOLOGICALLY	NORMAL:	mg/L		0 - 30		
MICROALBUMINURIA: mg/L		mg/L	30 - 300			
MICROALBUMINUR		0				

Long standing un-treated Diabetes and Hypertension can lead to renal dysfunction. 2. Diabetic nephropathy or kidney disease is the most common cause of end stage renal disease(ERSD) or kidney failure. 3. Presence of Microalbuminuria is an early indicator of onset of compromised renal function in these patients.

4. Microalbuminuria is the condition when urinary albumin excre tion is between 30-300 mg & above this it is called as macroalbuminuria, the

4.IVICTOAIDUMINIUTIA IS THE CONDITION WHEN URINARY Albumin excretion is between 30-300 mg & above this it is called as macroalbuminuria, the presence of which indicates serious kidney disease.
5.Microalbuminuria is not only associated with kidney disease but of cardiovascular disease in patients with dibetes & hypertension.
6.Microalbuminuria reflects vascular damage & appear to be a marker of of early arterial disease & endothelial dysfunction.
NOTE:- IF A PATIENT HAS = 1+ PROTEINURIA (30 mg/dl OR 300 mg/L) BY URINE DIPSTICK (URINEANALYSIS), OVERT PROTEINURIA IS PRESENT AND TESTING FOR MICROALBUMIN IS INAPPROPIATE. IN SUCH A CASE, URINE PROTEIN:CREATININE RATIO OR 24 HOURS TOTAL URINE MICROPROTEIN IS APPROPIATE.

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





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