



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam Cl MD (Pat CEO & Consultant Patl	hology)
NAME	: Mr. RAKESH KUMAR			
AGE/ GENDER	: 53 YRS/MALE	PAT	FIENT ID :	1580093
COLLECTED BY	:	REC	G. NO./LAB NO. :	012408140001
REFERRED BY	:	REC	GISTRATION DATE :	14/Aug/2024 05:49 AM
BARCODE NO.	: 01515031	COI	LECTION DATE :	14/Aug/2024 05:52AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE :	14/Aug/2024 08:53AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	SALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WELLN	IESS PANEL: 1.5	
	COM	APLETE BLOOD	COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		13.9	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RB		5.02 ^H	Millions/cmn	n 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLUN	1E (PCV) UTOMATED HEMATOLOGY ANALYZER	42	%	40.0 - 54.0
MEAN CORPUSCULA		83.6	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH)	27.7	20	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER	21.1	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC)	33.1	g/dL	32.0 - 36.0
	utomated hematology analyzer ION WIDTH (RDW-CV)	13.9	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	43.5	fL	35.0 - 56.0
MENTZERS INDEX		16.65	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED	N/	22.1/	DATIO	IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE by CALCULATED	Χ	23.16	RATIO	BETA THALASSEMIA TRAIT: < = 65.0
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>S (WBCS)</u>			
	OUNT (TLC) ′ by sf cube & microscopy	7250	/cmm	4000 - 11000
NUCLEATED RED BLC		NIL		0.00 - 20.00
NUCLEATED RED BLC	OOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %



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

NAME	: Mr. RAKESH KUMAR		
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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry by sf cube & microscopy	51	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	36	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	1-6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8	%	2 - 12
BASOPHILS by flow cytometry by sf cube & microscopy ABSOLUTE LEUKOCYTES (WBC) COUNT	0	%	0 - 1
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by SF cube & microscopy	3698	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2610	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	362	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by flow cytometry by SF cube & microscopy PLATELETS AND OTHER PLATELET PREDICTIVE MARKE	580 PS	/cmm	80 - 880
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	216000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.27	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	92000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	42.7	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.6	%	15.0 - 17.0





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			
Test Name		Value	Unit	Biological Reference interval
	GĽ	YCOSYLATED HAEMOG	LOBIN (HBA1C)	
GLYCOSYLATED HAEMO	DGLOBIN (HbA1c):	YCOSYLATED HAEMOG 6.7 ^H	LOBIN (HBA1C) %	4.0 - 6.4
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F	DGLOBIN (HbA1c): Mance liquid chromatography)			4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	6.7 ^H	%	
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM <u>NTERPRETATION:</u>	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	6.7 ^H 145.59 ^H ETES ASSOCIATION (ADA):	%	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM <u>NTERPRETATION:</u> REI Non diaba	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years	6.7 ^H 145.59 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HE	% mg/dL <u>MOGLOGIB (HBAIC) it</u> <5.7	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: REI Non diabo At R	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.7 ^H 145.59 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HE	% mg/dL <u>MOGLOGIB (HBAIC) in</u> <5.7 5.7 – 6.4	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: REI Non diabo At R	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years	6.7 ^H 145.59 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HE	% mg/dL 5.7 5.7 – 6.4 >= 6.5	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: REI Non diabo At R	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.7 ^H 145.59 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HE 5 Age	% mg/dL 5.7 5.7 – 6.4 >= 6.5 > 19 Years	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM NTERPRETATION: REC Non diabu At R Diac	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	6.7 ^H 145.59 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HE 5 <u>Age</u> Goals of Therapy:	% mg/dL <u>MOGLOGIB (HBAIC) in</u> <5.7 5.7 - 6.4 >> - 6.5 > 19 Years <7.0	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM NTERPRETATION: REC Non diabu At R Diac	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.7 ^H 145.59 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HE 5 <u>Age</u> Goals of Therapy: Actions Suggested:	% mg/dL 5.7 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 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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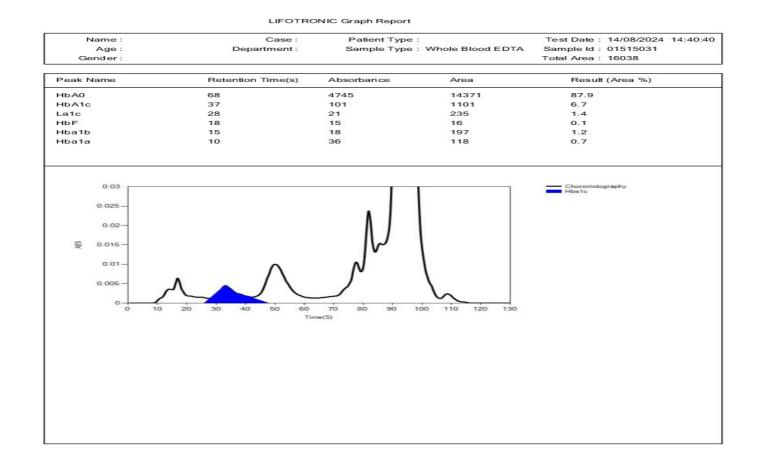


TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	biology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. RAKESH KUMAR		
AGE/ GENDER	: 53 YRS/MALE	PATIENT ID	: 1580093
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REFERRED BY	:	REGISTRATION DATE	: 14/Aug/2024 05:49 AM
BARCODE NO.	: 01515031	COLLECTION DATE	: 14/Aug/2024 05:52AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 14/Aug/2024 03:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	
Test Name		Value Unit	Biological Reference interval







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	Dr. Vinay Cho MD (Pathology & 1 Chairman & Const	Microbiology)		(Pathology)
NAME	: Mr. RAKESH KUMAR			
AGE/ GENDER	: 53 YRS/MALE		PATIENT ID	: 1580093
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REFERRED BY	:		REGISTRATION DATE	: 14/Aug/2024 05:49 AM
BARCODE NO.	: 01515031		COLLECTION DATE	: 14/Aug/2024 05:52AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 14/Aug/2024 09:21AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Γ	
Test Name		Value	Unit	Biological Reference interval
	FRVTH		IMENTATION RATE (ESF	2)
by MODIFIED WESTER INTERPRETATION: 1. ESR is a non-specifi mmune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus erythe CONDITION WITH LOW A low ESR can be see (polycythaemia), sigr as sickle cells in sickl	MENTATION RATE (ESR) <i>GGREN AUTOMATED METHOD</i> ic test because an elevated result does not tell the health practition cted by other conditions besides in be used to monitor disease activit ematosus W ESR n with conditions that inhibit the	9 often indicates er exactly whe nflammation. F y and response normal sedime unt (leucocytos	mm/1st his s the presence of inflammati re the inflammation is in the or this reason, the ESR is typ e to therapy in both of the at intation of red blood cells su	n 0 - 20 on associated with infection, cancer and auto- body or what is causing it. inically used in conjunction with other test such pove diseases as well as some others, such as
 Generally, ESR doe CRP is not affected If the ESR is elevate Women tend to ha Drugs such as dext 	e protein (C-RP) are both markers is not change as rapidly as does CF by as many other factors as is ESR ed, it is typically a result of two ty ve a higher ESR, and menstruation ran, methyldopa, oral contracepti id quinine may decrease it	RP, either at the , making it a be pes of proteins and pregnancy	e start of inflammation or as tter marker of inflammation , globulins or fibrinogen. y can cause temporary elevat	
	al.		Austra	





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 14/Aug/2024 11:07AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
CLIENT ADDRESS Test Name	: 6349/1, NICHOLSON ROAD	AMBALA CANTT	Unit	Biological Reference interval
				-
		Value	/BIOCHEMISTR	-

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.
 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 CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 14/Aug/2024 12:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTI	ſ	
Test Name		Value	Unit	Biological Reference interval
		GLUCOSE PO	ST PRANDIAL (PP)	
	NDIAL (PP): PLASMA E - PEROXIDASE (GOD-POD)	195.54 ^H	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION

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.



	MD (Patholog	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist		(Pathology)
AGE/ GENDER : 5 COLLECTED BY : REFERRED BY : BARCODE NO. : 0 CLIENT CODE. : K	fr. RAKESH KUMAR 3 YRS/MALE 1515031 COS DIAGNOSTIC LAB 349/1, NICHOLSON ROA	REGIS COLLI REPO	ENT ID 10./LAB NO. TRATION DATE ECTION DATE RTING DATE	: 1580093 : 012408140001 : 14/Aug/2024 05:49 AM : 14/Aug/2024 05:52AM : 14/Aug/2024 11:11AM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	BASIC	
CHOLESTEROL TOTAL: SE by CHOLESTEROL OXIDAS		159.81	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHAT		228.04 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199. HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRE by SELECTIVE INHIBITION	ECT): SERUM	51.31	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERU		62.89	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159. HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTEROL by CALCULATED, SPECTRO		108.5	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189. HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: SER		45.61 ^H	mg/dL	0.00 - 45.00
by CALCULATED, SPECTR TOTAL LIPIDS: SERUM by CALCULATED, SPECTRO		547.66	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATI by CALCULATED, SPECTRO	O: SERUM	3.11	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: SERUM by Calculated, spectro	OPHOTOMETRY	1.23	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDL by CALCULATED, SPE		4.44	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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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

		Chopra & Microbiology) onsultant Pathologis		(Pathology)
NAME	: Mr. RAKESH KUMAR			
AGE/ GENDER	: 53 YRS/MALE		PATIENT ID	: 1580093
COLLECTED BY	:		REG. NO./LAB NO.	: 012408140001
REFERRED BY	:		REGISTRATION DATE	: 14/Aug/2024 05:49 AM
BARCODE NO.	: 01515031		COLLECTION DATE	: 14/Aug/2024 05:52AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 14/Aug/2024 11:11AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIVER FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL: SI	ERUM PECTROPHOTOMETRY	0.59	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.19	mg/dL	ADULT: 0.00 - 1.20 0.00 - 0.40

by DIAZO TIZATION, SPECTROFTIOTOMETRY			ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.19	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by Calculated, spectrophotometry	0.4	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	26.1	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	45.6	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.57	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	116.49	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	48.29	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.5	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.18	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by Calculated, spectrophotometry	2.32	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.8	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





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	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	licrobiology)	Dr. Yugam C MD (Pa EO & Consultant Pa	athology)
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Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increa	ased)

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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Dr. Yugam Chopra

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Test Name		Value	Unit	Biological Reference interval
	KIE	ONEY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		28.72	mg/dL	10.00 - 50.00
•	ATE DEHYDROGENASE (GLDH)	0.00		0.40, 1.40
CREATININE: SERUN by ENZYMATIC, SPEC		0.99	mg/dL	0.40 - 1.40
BLOOD UREA NITRO		13.42	mg/dL	7.0 - 25.0
	<i>есткорнотометку</i>)GEN (BUN)/CREATININE	13.56	RATIO	10.0 - 20.0
RATIO: SERUM	GEN (DON)/ GREATININE	15.50	KATIO	10.0 - 20.0
by CALCULATED, SPE				
UREA/CREATININE F by CALCULATED, SPE		29.01	RATIO	
URIC ACID: SERUM		4.27	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE	0.04	, n	
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	9.24	mg/dL	8.50 - 10.60
PHOSPHOROUS: SER	RUM	4.14	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
Sodium: Serum		140.1	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	E ELECTRODE)	140.1	THITIOI/L	133.0 - 150.0
POTASSIUM: SERUN		4.22	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM	(E ELECTRODE)	105.07	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	(E ELECTRODE)	105.07	minol/L	20.0 - 110.0
ESTIMATED GLOME	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	91.1		
(eGFR): SERUM				

Dr. Vinay Chopra

by CALCULATED

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.



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

T PATHOLOGIST PATHOLOGY)



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	MD (P	inay Chopra athology & Microb nan & Consultant F	piology)	Yugam Chopra MD (Pathology) Isultant Pathologist	
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LIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBAL	A CANTT		
Test Name		V	/alue Uni	it Biological	Reference interval
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia 	superimposed on rena	nine production) icoids) REATININE LEVELS ionately more tha I disease.	: an creatinine) (e.g. obstructive		ne, high protein diet,
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Perenal azotemia DECREASED RATIO (<1 Acute tubular necro Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (re Muscular patients 	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocort 0:1) WITH ELEVATED C (BUN rises disproport superimposed on rena 0:1) WITH DECREASED osis. Id starvation. by creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu 0:1) WITH INCREASED oy (accelerates conver eleases muscle creatin who develop renal fail	nine production) icoids) REATININE LEVELS ionately more that I disease. BUN : inine diffuses out ually absent in blo retic harmone) du CREATININE: sion of creatine to ine). ure.	an creatinine) (e.g. obstructive t of extracellular fluid). ood). ue to tubular secretion of urea o creatinine).	europathy).	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (<1 Acute tubular necrostression Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (re Muscular patients NAPPROPIATE RATIO Diabetic ketoacido 	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocort 0:1) WITH ELEVATED C (BUN rises disproport superimposed on rena 0:1) WITH DECREASED osis. Id starvation. creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu 0:1) WITH INCREASED oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus	nine production) icoids) REATININE LEVELS ionately more that I disease. BUN : inine diffuses out ually absent in blo retic harmone) du CREATININE: sion of creatine to ine). ure. es false increase i	an creatinine) (e.g. obstructive t of extracellular fluid). ood). ue to tubular secretion of urea o creatinine).	europathy).	
Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necro Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (ru Muscular patients MapPROPIATE RATIO Diabetic ketoacido hould produce an im Cephalosporin ther	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocort 0:1) WITH ELEVATED C (BUN rises disproport superimposed on rena 0:1) WITH DECREASED osis. d starvation. creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu 0:1) WITH INCREASED oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr	hine production) icoids) REATININE LEVELS ionately more that I disease. BUN : inine diffuses out ually absent in blo retic harmone) du CREATININE: sion of creatine to ine). ure. es false increase i e ratio). eatinine measurei	an creatinine) (e.g. obstructive t of extracellular fluid). ood). ue to tubular secretion of urea o creatinine).	europathy).	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia Perenal azotemia CECREASED RATIO (<1 Acute tubular necro Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. PECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (ru Muscular patients Muscular patients Diabetic ketoacido hould produce an inc. STIMATED GLOMERL 	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocort 0:1) WITH ELEVATED C (BUN rises disproport superimposed on rena 0:1) WITH DECREASED osis. d starvation. 2: creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu 0:1) WITH INCREASED by (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr	hine production) icoids) REATININE LEVELS ionately more that I disease. BUN : inine diffuses out ually absent in blo retic harmone) du CREATININE: sion of creatine to ine). ure. es false increase i e ratio). eatinine measurer :	an creatinine) (e.g. obstructive t of extracellular fluid). ood). Je to tubular secretion of urea o creatinine). in creatinine with certain met ment).	e uropathy). hodologies,resulting in norma	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Perenal azotemia Certased RATIO (<1 Acute tubular necro Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. PECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (ru Muscular patients Muscular patients Diabetic ketoacido cephalosporin ther 	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocort 0:1) WITH ELEVATED C (BUN rises disproport superimposed on rena 0:1) WITH DECREASED osis. d starvation. creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu 0:1) WITH INCREASED oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RATE	hine production) icoids) REATININE LEVELS ionately more that I disease. BUN : inine diffuses out ually absent in blo retic harmone) du CREATININE: sion of creatine to ine). ure. es false increase i e ratio). eatinine measurei	an creatinine) (e.g. obstructive t of extracellular fluid). ood). ue to tubular secretion of urea o creatinine).	europathy).	

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



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	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	biology) MD	m Chopra D (Pathology) at Pathologist
NAME	: Mr. RAKESH KUMAR		
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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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CLIENT ADDRESS	5				
Test Name		Value	Unit	Biological Reference interval	
		IRON PRO	FILE		
IRON: SERUM	TROPHOTOMETRY	94.9	μg/dL	59.0 - 158.0	
UNSATURATED IROI	N BINDING CAPACITY (UIBC)	194.05	μg/dL	150.0 - 336.0	
:SERUM by FERROZINE, SPEC	TROPHOTOMETERY				
TOTAL IRON BINDIN		288.95	μg/dL	230 - 430	
:SERUM by SPECTROPHOTON	IETERV				
%TRANSFERRIN SAT	URATION: SERUM	32.84	%	15.0 - 50.0	
by CALCULATED, SPE TRANSFERRIN: SERU	ECTROPHOTOMETERY (FERENE)	205.15	ma/dl	200.0 - 350.0	
by SPECTROPHOTON		200.10	mg/dL	200.0 - 330.0	
INTERPRETATION:-	. ,				
VARIAE	BLES ANEMIA OF CE	IRONIC DISEASE IRC	N DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT	

SERUM IRON:	Normal to Reduced	Reduced	NI I
		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

IRON:

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

 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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Test Name		Value	Unit	Biological Reference interval
		ENDOCR	INOLOGY	
	THY	ROID FUNCT	ION TEST: TOTAL	
		0.815	ng/mL	0.35 - 1.93
THYROXINE (T4): SEF	ESCENT MICROPARTICLE IMMUNOASSAY,) 7.95	ng/mL µgm/dL	0.35 - 1.93 4.87 - 12.60

overproduction(hyperthyroidism) of T4 and/or T3.							
CLINICAL CONDITION	Т3	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).

3. 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.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTHY	(RONINE (T3)	THYROXINE (T4)		THYROID STIMUL	ATING 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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L			/
Test Name	Value	Unit	Biological Reference interval

Test Name		Value	alue Unit		Biological Reference inte	
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	
	RECON	IMENDATIONS OF TSH LI	EVELS DURING PRE	GNANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	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



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.



IAME	: Mr. RAKESH KUMAR			
GE/ GENDER	: 53 YRS/MALE		PATIENT ID	: 1580093
COLLECTED BY	:		REG. NO./LAB NO.	: 012408140001
REFERRED BY	:		REGISTRATION DATE	: 14/Aug/2024 05:49 AM
SARCODE NO.	:01515031		COLLECTION DATE	: 14/Aug/2024 05:52AM
LIENT CODE. LIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	REPORTING DATE	: 14/Aug/2024 11:11AM
Test Name		Value	Unit	Biological Reference interval
		VIT	AMINS	
	VIT		YDROXY VITAMIN D3	
ITAMIN D (25-HYD	ROXY VITAMIN D3): SERUM	40.6	ng/ml	DEFICIENCY: < 20.0
by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)		40.0	ng/mL	DEFICIENCE < 20.0
		40.0	ng/mL	INSUFFICIENCY: 20.0 - 30.0
		10.0	ng/mc	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0
by CLIA (CHEMILUMIN		40.0	ng/mL	INSUFFICIENCY: 20.0 - 30.0
by CLIA (CHÉMILUMINI NTERPRETATION:		< 20		INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0
by CLIA (CHÉMILUMINI <u>NTERPRETATION:</u> DEFIC INSUFI	ESCENCE IMMUNOASSAY) CIENT: FICIENT:	< 20 21 - 29	n	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0 g/mL
by CLIA (CHÉMILUMINI <u>NTERPRETATION:</u> DEFI INSUFI PREFFERE	ESCENCE IMMUNOASSAY)	< 20	n	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0





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







	Dr. Vinay Cl MD (Pathology Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. RAKESH KUMAR			
AGE/ GENDER	: 53 YRS/MALE	PATI	ENT ID	: 1580093
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD			
		,		
Test Name		Value	Unit	Biological Reference interval
<u>Interpretation:-</u> Increas	NESCENT MICROPARTICLE IMMUNOA		DECREASED VITAMIN	N B12
1.Ingestion of Vitan 2.Ingestion of Estro			1.Pregnancy 2.DRUGS:Aspirin, Anti-convulsants, Colchicine	
3.Ingestion of Vitan		3.Ethanol Iges		
4.Hepatocellular in	jury	4. Contracepti	ve Harmones	
5.Myeloproliferativ	e disorder	5.Haemodialy		
6.Uremia	lamin) is necessary for hematop	6. Multiple My		
3.The body uses its v excreted. 4.Vitamin B12 deficie ileal resection, small 5.Vitamin B12 deficie proprioception, poor the neurologic defec 6.Serum methylmalo 7.Follow-up testing f NOTE: A normal serur deficiency at the cell	ency may be due to lack of IF sec l intestinal diseases). ency frequently causes macrocy coordination, and affective ber ts without macrocytic anemia. nic acid and homocysteine level or antibodies to intrinsic factor n concentration of vitamin B12 of	cally, reabsorbing vitam cretion by gastric mucos tic anemia, glossitis, per havioral changes. These Is are also elevated in vi (IF) is recommended to does not rule out tissue If clinical symptoms sug	in B12 from the ileun a (eg, gastrectomy, g ipheral neuropathy, manifestations may o tamin B12 deficiency identify this potentia deficiency of vitamin	n and returning it to the liver; very little is astric atrophy) or intestinal malabsorption (eg, weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have





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NAME	: Mr. RAKESH KUMAR			
AGE/ GENDER	: 53 YRS/MALE	PATIEN	ГID	: 1580093
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		TING DATE	: 14/Aug/2024 09:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATHO	LOGY	
		OUTINE & MICROSCO		
			PIC EXAIVIINA	TION
PHYSICAL EXAMINA	TION			
QUANTITY RECIEVED		10	ml	
	TANCE SPECTROPHOTOMETRY			
COLOUR	TANCE SPECTROPHOTOMETRY	PALE YELLOW		PALE YELLOW
TRANSPARANCY		CLEAR		CLEAR
	TANCE SPECTROPHOTOMETRY	011/11		
SPECIFIC GRAVITY		>=1.030		1.002 - 1.030
	TANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINA	ATION			
REACTION		ACIDIC		
by DIP STICK/REFLEC PROTEIN	TANCE SPECTROPHOTOMETRY	Nogativo		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	3		
рН		<=5.0		5.0 - 7.5
	TANCE SPECTROPHOTOMETRY	Nogativo		
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
•	TANCE SPECTROPHOTOMETRY.	· ·		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Negative		
BLOOD		Negative		NEGATIVE (-ve)
•	TANCE SPECTROPHOTOMETRY			
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC EXAM	TANCE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist



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

NAME	: Mr. RAKESH KUMAR			
AGE/ GENDER	: 53 YRS/MALE	PATI	ENT ID	: 1580093
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA 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 C	CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
EPITHELIAL CELLS		0-1	/HPF	ABSENT

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

*** End Of Report *





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 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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