



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		Pathology)
NAME	: Mr. RAMESH KUMAR			
AGE/ GENDER	: 54 YRS/MALE		PATIENT ID	: 1570722
COLLECTED BY	:		REG. NO./LAB NO.	: 012408050037
REFERRED BY	:		REGISTRATION DATE	: 05/Aug/2024 10:02 AM
BARCODE NO.	: 01514504		COLLECTION DATE	: 05/Aug/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Aug/2024 10:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.5	
	CON	APLETE BLO	DOD COUNT (CBC)	
RED BLOOD CELLS (I	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)	14	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RI	BC) COUNT	5.35 ^H	Millions/c	mm 3.50 - 5.00
by HYDRO DYNAMIC	FOCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLUN by CALCULATED BY A	VIE (PCV) AUTOMATED HEMATOLOGY ANALYZER	43.8	%	40.0 - 54.0
MEAN CORPUSCULA	R VOLUME (MCV)	81.9	fL	80.0 - 100.0
	AUTOMATED HEMATOLOGY ANALYZER	26.2 ^L	pg	27.0 - 34.0
by CALCULATED BY	AUTOMATED HEMATOLOGY ANALYZER	32		
	AR HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER	32	g/dL	32.0 - 36.0
	TION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	13.9	%	11.00 - 16.00
	FION WIDTH (RDW-SD)	42.8	fL	35.0 - 56.0
	AUTOMATED HEMATOLOGY ANALYZER		DATIO	
MENTZERS INDEX by CALCULATED		15.31	RATIO	BETA THALASSEMIA TRAIT: < 13. IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	EX	21.3	RATIO	BETA THALASSEMIA TRAIT: < =
by CALCULATED				65.0
WHITE BLOOD CELL	S (WBCS)			IRON DEFICIENCY ANEMIA: > 65.
TOTAL LEUCOCYTE C		7840	/cmm	4000 - 11000
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
NUCLEATED RED BL by CALCULATED BY A MICROSCOPY	OOD CELLS (NRBCS) AUTOMATED HEMATOLOGY ANALYZER &	NIL		0.00 - 20.00
NUCLEATED RED BL	OOD CELLS (nRBCS) %	NIL	%	< 10 %
MICROSCOPY	AUTOMATED HEMATOLOGY ANALYZER &			
DIFFERENTIAL LEUC	OCYTE COUNT (DLC)			

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



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

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







Dr. Yugam Chopra

MD (Pathology)

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. RAMESH KUMAR **AGE/ GENDER** : 54 YRS/MALE **PATIENT ID** :1570722 **COLLECTED BY** :012408050037 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :05/Aug/2024 10:02 AM **BARCODE NO.** :01514504 **COLLECTION DATE** :05/Aug/2024 10:04AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :05/Aug/2024 10:40AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval NEUTROPHILS** 47^L % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 32 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS % 14^H 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 3685 ABSOLUTE NEUTROPHIL COUNT 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT 2509 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE EOSINOPHIL COUNT** /cmm 40 - 440 1098^H by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 549 80 - 880 ABSOLUTE MONOCYTE COUNT /cmm 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. 150000 - 450000 PLATELET COUNT (PLT) 278000 /cmm

Dr. Vinay Chopra

MD (Pathology & Microbiology)

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.34 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 111000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 40 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

20		

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

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%

fL

%

%

/cmm

0.10 - 0.36

6.50 - 12.0

11.0 - 45.0

15.0 - 17.0

30000 - 90000



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





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOG	LOBIN (HBA1C)	
GLYCOSYLATED HAEM	OGLOBIN (HbA1c):	6.6 ^H	%	4.0 - 6.4
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	142.72 ^H	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	142.72 ^H	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI INTERPRETATION: RE	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP	TES ASSOCIATION (ADA):	MOGLOGIB (HBAIC) i	
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI INTERPRETATION: RE Non diab	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years	TES ASSOCIATION (ADA): GLYCOSYLATED HE	MOGLOGIB (HBAIC) i <5.7	
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI INTERPRETATION: RE Non diab At F	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	TES ASSOCIATION (ADA): GLYCOSYLATED HE	MOGLOGIB (HBAIC) i <5.7 5.7 – 6.4	
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI INTERPRETATION: RE Non diab At F	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years	TES ASSOCIATION (ADA): GLYCOSYLATED HE	MOGLOGIB (HBAIC) i <5.7 5.7 – 6.4 >= 6.5	
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI INTERPRETATION: RE Non diab At F	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	TES ASSOCIATION (ADA): GLYCOSYLATED HE	MOGLOGIB (HBAIC) i <5.7 5.7 - 6.4 >= 6.5 > 19 Years	n %
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI INTERPRETATION: RE Non diab At F Dia	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	TES ASSOCIATION (ADA): GLYCOSYLATED HE 5 Goals of Therapy:	MOGLOGIB (HBAIC) i <5.7 5.7 – 6.4 >= 6.5	n %
by HPLC (HIGH PERFORI ESTIMATED AVERAGE by HPLC (HIGH PERFORI INTERPRETATION: RE Non diab At F Dia	PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	TES ASSOCIATION (ADA): GLYCOSYLATED HE S Goals of Therapy: Actions Suggested:	EMOGLOGIB (HBAIC) i <5.7 .7 - 6.4 >= 6.5 > 19 Years	n %

COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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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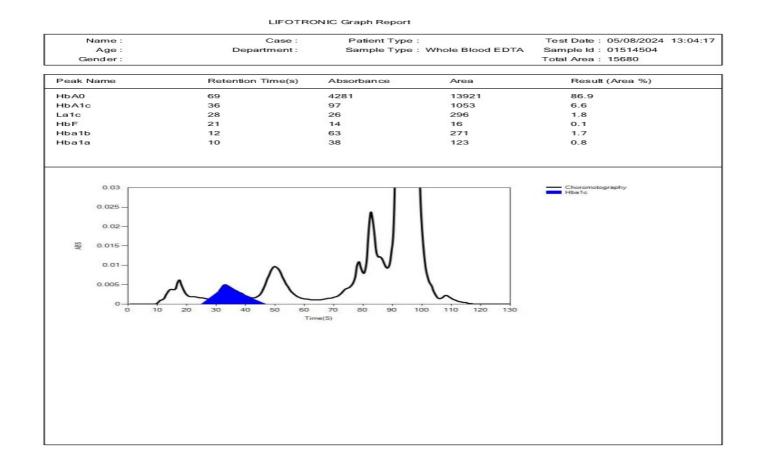
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Test Name		Value Unit	Biological Reference interval





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AGE/ GENDER : 54 Y COLLECTED BY : REFERRED BY : BARCODE NO. : 015: CLIENT CODE. : KOS CLIENT ADDRESS : 634: Test Name : ERYTHROCYTE SEDIMENTATION: : 1. ESR is a non-specific test bimmune disease, but does not 2. An ESR can be affected by as C-reactive protein 3. This test may also be used systemic lupus erythematost CONDITION WITH LOW ESR A low ESR can be seen with co (polycythaemia), significantlias sickle cells in sickle cell ai NOTE: 1. ESR and C - reactive proteil 1. ESR and C - reactive proteil : S. Generally, ESR does not cf 3. This test is elevated, it is 5. Women tend to have a hid :	r . RAMESH KUMAR YRS/MALE 514504 9S DIAGNOSTIC LAB 49/1, NICHOLSON ROAD, AM		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE	: 1570722 : 012408050037 : 05/Aug/2024 10:02 AM
COLLECTED BY : REFERRED BY : BARCODE NO. : 015: CLIENT CODE. : KOS CLIENT ADDRESS : 634 Test Name ERYTHROCYTE SEDIMENTA by MODIFIED WESTERGREN A INTERPRETATION: 1. ESR is a non-specific test b immune disease, but does no 2. An ESR can be affected by as C-reactive protein 3. This test may also be used systemic lupus erythematosy CONDITION WITH LOW ESR A low ESR can be seen with co (polycythaemia), significantl as sickle cells in sickle cell al NOTE: 1. ESR and C - reactive protei 2. Generally, ESR does not cf 3. CRP is not affected by as m 4. If the ESR is elevated, it is 5. Women tend to have a hig 6. Drugs such as dextran, me	514504 DS DIAGNOSTIC LAB		REG. NO./LAB NO. REGISTRATION DATE	: 012408050037
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ERYTHROCYTE SEDIMENTA by MODIFIED WESTERGREN A NTERPRETATION: 1. ESR is a non-specific test b mmune disease, but does no 2. An ESR can be affected by as C-reactive protein 3. This test may also be used systemic lupus erythematoss CONDITION WITH LOW ESR A low ESR can be seen with of polycythaemia), significantl as sickle cells in sickle cell ai NOTE: 1. ESR and C - reactive protei 2. Generally, ESR does not cf 3. CRP is not affected by as m 4. If the ESR is elevated, it is 5. Women tend to have a hig 5. Drugs such as dextran, me		IDALA CANT I		
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	AUTOMATED METHOD because an elevated result o not tell the health practitione by other conditions besides inf ed to monitor disease activity sus conditions that inhibit the not tly high white blood cell coun anaemia) also lower the ESR. ein (C-RP) are both markers of change as rapidly as does CRP many other factors as is ESR, i s typically a result of two type igher ESR, and menstruation a bethyldopa, oral contraceptiv	er exactly where flammation. Fo and response to ormal sedimen- nt (leucocytosis - f inflammation. P, either at the making it a bet es of proteins, and pregnancy	e the inflammation is in the r this reason, the ESR is typ to therapy in both of the ab tation of red blood cells, su) , and some protein abnor , and some protein abnor start of inflammation or as ter marker of inflammation. globulins or fibrinogen. can cause temporary elevat	on associated with infection, cancer and auto- body or what is causing it. ically used in conjunction with other test such ove diseases as well as some others, such as ch as a high red blood cell count malities. Some changes in red cell shape (such it resolves.





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CEILITI CODE.				
	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT Value	Unit	Biological Reference interval
CLIENT ADDRESS		Value	Unit TRY/BIOCHEMISTR	
CLIENT ADDRESS		Value		

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE :	BASIC	
CHOLESTEROL TOTA	L: SERUM	127.61	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	IDASE PAP			BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSE	UM PHATE OXIDASE (ENZYMATIC)	177.33 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199. HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (32.86	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0
				HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S	ERUM	59.28	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	CTROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by CALCULATED, SPE		94.75	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: by CALCULATED, SPE		35.47	mg/dL	0.00 - 45.00
by CALCOLATED, SPE TOTAL LIPIDS: SERUN by CALCULATED, SPE	N	432.55	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE	ratio: serum	3.88	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		1.8	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)



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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AGE/ GENDER	: 54 YRS/MALE	PATI	ENT ID	: 1570722
COLLECTED BY	:	REG. 1	NO./LAB NO.	: 012408050037
REFERRED BY	:	REGIS	TRATION DATE	: 05/Aug/2024 10:02 AM
BARCODE NO.	: 01514504	COLL	ECTION DATE	: 05/Aug/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 05/Aug/2024 11:30AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		5.4 ^H	RATIO	3.00 - 5.00

INTERPRETATION:

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

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

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

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



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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. RAMESH KUMAR AGE/ GENDER : 54 YRS/MALE **PATIENT ID** :1570722 **COLLECTED BY** :012408050037 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :05/Aug/2024 10:02 AM **BARCODE NO.** :01514504 **COLLECTION DATE** :05/Aug/2024 10:04AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :05/Aug/2024 11:30AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.59 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.26 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.33 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM U/L 7.00 - 45.00 96.4^H by IFCC, WITHOUT PYRIDOXAL PHOSPHATE 97H U/L SGPT/ALT: SERUM 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 0.99 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY ALKALINE PHOSPHATASE: SERUM 100.07 U/L 40.0 - 130.0 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM U/L

0.00 - 55.0 56.99^H by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 6.25 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 3.51 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** 2.74 gm/dL 2.30 - 3.50 by CALCULATED, SPECTROPHOTOMETRY RATIO A : G RATIO: SERUM 1.28 1.00 - 2.00 by CALCULATED, SPECTROPHOTOMETRY

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)





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	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F	G, /	(Pathology)
NAME	: Mr. RAMESH KUMAR		
AGE/ GENDER	: 54 YRS/MALE	PATIENT ID	: 1570722
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Test Name	V	alue Unit	Biological Reference interval

DECREASED:

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

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

PROGNOSTIC SIGNIFICANCE:	

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



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

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Dr. Vinay Ch MD (Pathology & Chairman & Con			Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. RAMESH KUMAR			
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BARCODE NO.	: 01514504	COL	LECTION DATE	: 05/Aug/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 05/Aug/2024 01:41PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		J. J
Test Name		Value	Unit	Biological Reference inter
	KIE	ONEY FUNCTION T	EST (COMPLETE)	
UREA: SERUM		38.3	mg/dL	10.00 - 50.00
-	IATE DEHYDROGENASE (GLDH)			
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		2.29 ^H	mg/dL	0.40 - 1.40
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		17.9	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	7.82 ^L	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPI	ECTROPHOTOMETRY			
UREA/CREATININE F		16.72	RATIO	
by CALCULATED, SPE				
URIC ACID: SERUM by URICASE - OXIDAS		7.06	mg/dL	3.60 - 7.70
CALCIUM: SERUM	EPEROXIDASE	9.95	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	CTROPHOTOMETRY		-	
	RUM date, spectrophotometry	4.95 ^H	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECIROPHOTOMETRY			
Sodium: Serum		135.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	E ELECTRODE)	100.0		100.0 100.0
POTASSIUM: SERUM		4.5	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM	'E ELECTRODE)	101.7	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	'E ELECTRODE)	101.7		20.0 110.0
ESTIMATED GLOME	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	33.1		
(eGFR): SERUM				
by CALCULATED NOTE 2		RESULT RECHE	CKED TWICE	
ADVICE				
INTERPRETATION:				

To differentiate between pre- and post renal azotemia. INCREASED RATIO (>20:1) WITH NORMAL CREATININE:



an

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





KOS Diagnostic Lab (A Unit of KOS Healthcare)

		& Microbiology)	Yugam Chopra MD (Pathology) onsultant Pathologist	
AME	: Mr. RAMESH KUMAR			
GE/ GENDER	: 54 YRS/MALE	PATIENT ID	: 1570722	
OLLECTED BY	:	REG. NO./LAB N	D. : 0124080 5	50037
EFERRED BY	:	REGISTRATION	DATE : 05/Aug/20	024 10:02 AM
ARCODE NO.	:01514504	COLLECTION DA	0	024 10:04AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DAT	8	24 01:41PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD		. 00/ Mug/ 20	~+01.111 WI
LIENI ADDRESS	. 0349/1, NICHOLSON ROAD	, AMDALA CANTI		
est Name		Value U	nit Bio	ological Reference interval
7. Urine reabsorptior	exia, high fever). ı (e.g. ureter colostomy)	kdown (e.g. infection, GI bleeding, th	yrotoxicosis, cusning s	synarome, nign protein alet,
7. Urine reabsorption 7. Reduced muscle m 7. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 1. Cephalosporin the 1. STADE 1. Diabetic ketoacido 1.	exia, high fever). (e.g. ureter colostomy) hass (subnormal creatinine prod tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis. Ind starvation. e. ecreased urea synthesis. (urea rather than creatinine diffiermonemias (urea is virtually absoluted in appropriate antidiuretic harm 10:1) WITH INCREASED CREATININ (urea rather than creatinine diffiermonemias (urea is virtually absoluted in appropriate antidiuretic harm 10:1) WITH INCREASED CREATINN (urea rather than creatinine). who develop renal failure. Distingues (acetoacetate causes false in treased BUN/creatinine ratio). rapy (interferes with creatinine). Wormal kidney fun Kidney damage w normal or high G	duction) VE LEVELS: more than creatinine) (e.g. obstructions) effuses out of extracellular fluid). sent in blood). mone) due to tubular secretion of ure INE: reatine to creatinine). increase in creatinine with certain measurement). GFR (mL/min/1.73m2) vith >90 SFR	ve uropathy). ea.	n normal ratio when dehydratio
. Urine reabsorption . Reduced muscle m . Certain drugs (e.g. . VCREASED RATIO (>2 . Postrenal azotemia DECREASED RATIO (< . Acute tubular necr . Low protein diet al . Severe liver diseas . Other causes of de . Repeated dialysis . Inherited hyperam . SIADH (syndrome of . Pregnancy. DECREASED RATIO (< . Phenacimide therat . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an ir . Cephalosporin the <u>STIMATED GLOMERT</u> <u>CKD STAGE</u> <u>G1</u>	exia, high fever). (e.g. ureter colostomy) hass (subnormal creatinine prod tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis. Ind starvation. e. ecreased urea synthesis. (urea rather than creatinine diffiered is virtually absorb finappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ (urea rather than creatinine diffiered is virtually absorb finappropiate antidiuretic harm 10:1) WITH INCREASED CREATINN (urea set urea synthesis. (urea rather than creatinine diffiered is virtually absorb finappropiate antidiuretic harm 10:1) WITH INCREASED CREATINN (urea set uscle creatinine). who develop renal failure. Discuesed BUN/creatinine ratio). rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION Normal kidney fun Kidney damage w	duction) VE LEVELS: more than creatinine) (e.g. obstructions) fuses out of extracellular fluid). sent in blood). mone) due to tubular secretion of ure INE: reatine to creatinine). Increase in creatinine with certain measurement). Inction >90 vith >90 SFR 60 - 89	ve uropathy). ea. ethodologies,resulting in ASSOCIATED FINDI No proteinuria Presence of Prote	n normal ratio when dehydratio





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	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	robiology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. RAMESH KUMAR		
AGE/ GENDER	: 54 YRS/MALE	PATIENT ID	: 1570722
COLLECTED BY	:	REG. NO./LAB NO.	: 012408050037
REFERRED BY	:	REGISTRATION DATE	: 05/Aug/2024 10:02 AM
BARCODE NO.	: 01514504	COLLECTION DATE	: 05/Aug/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 05/Aug/2024 01:41PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB.	ALA CANTT	
Test Name		Value Unit	Biological Reference interval
G5	Kidney failure	<15	

COMMENTS

1. Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a

Estimated Glomerular filtration rate (GGFR) is the sum of filtration rates in all functioning hephrons 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 eGFR with Cystatin C for confirmation of CKD
 eGFR category G1 OR G2 does not fullfill the criteria for CKD, in the absence of evidence of Kidney Damage
 In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
 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
 A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (ag severe dehydration)

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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 CODE.	: KOS DIAGNOST	IC LAB		REPORTING DATE	: 05/Aug/2024 11:30AM
CLIENT ADDRESS	: 6349/1, NICHC				
CLIENT ADDRESS	. 0343/ 1, 10110	LJON ROAD, P			
Test Name			Value	Unit	Biological Reference interval
			IRON	PROFILE	
IRON: SERUM			62.3	μg/dL	59.0 - 158.0
by FERROZINE, SPEC UNSATURATED IROI :SERUM	N BINDING CAPAC		140.7 ^L	μg/dL	150.0 - 336.0
by FERROZINE, SPEC TOTAL IRON BINDIN SERUM			203 ^L	μg/dL	230 - 430
SERUIVI by SPECTROPHOTOM	METERY				
%TRANSFERRIN SAT			30.69	%	15.0 - 50.0
by CALCULATED, SPE		Y (FERENE)			
TRANSFERRIN: SERU by SPECTROPHOTON			144.13 ^L	mg/dL	200.0 - 350.0
INTERPRETATION:-	NETERT (FERENC)				
VARIAB	BLES	ANEMIA OF CH	RONIC DISEASE	IRON DEFICIENCY ANEMIA	Α THALASSEMIA α/β TRAIT
SERUM II	RON:	Normal to	Reduced	Reduced	Normal
TOTAL IRON BIND	ING CAPACITY:	Decre	eased	Increased	Normal
% TRANSFERRIN S		Decre		Decreased < 12-15 %	Normal
		NI - www I + -	has a second second	Deerseed	Nie waard is a las and a start

IRON:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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. 2. It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for

Decreased

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

SERUM FERRITIN:

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

Normal to Increased

% 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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Normal or Increased





	MD (Pathology & Mic	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		n Chopra (Pathology) Pathologist
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Aug/2024 11:26AM
Test Name		Value ENDOC	Unit	Biological Reference interval
	THY		CTION TEST: TOTAL	
TRIIODOTHYRONINE by CMIA (CHEMILUMIN		0.895	ng/mL	0.35 - 1.93
THYROXINE (T4): SEI	RUM iescent microparticle immunoassa)	5.74	μgm/dL	4.87 - 12.60
The second second method and the second method and the second second method and the second second method and the second secon			duction and secretion of the me	etabolically active hormones, thyroxine (T4)and

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).

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 STIMULATING HORMONE (TS	
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





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

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NAME	: Mr. RAMESH KUMAR		
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 05/Aug/2024 11:26AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Г	

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	
	RECON	IMENDATIONS OF TSH LI	EVELS DURING PREC	SNANCY (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





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Ch MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
NAME	: Mr. RAMESH KUMAR			
GE/ GENDER	: 54 YRS/MALE		PATIENT ID	: 1570722
COLLECTED BY	:		REG. NO./LAB NO.	: 012408050037
REFERRED BY	:		REGISTRATION DATE	: 05/Aug/2024 10:02 AM
BARCODE NO.	: 01514504		COLLECTION DATE	: 05/Aug/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Aug/2024 11:26AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
		VI	TAMINS	
	VIT		HYDROXY VITAMIN D3	
/ITAMIN D (25-HYD	ROXY VITAMIN D3): SERUM	61.1	ng/mL	DEFICIENCY: < 20.0
	ESCENCE IMMUNOASSAY)			INSUFFICIENCY: 20.0 - 30.0
				SUFFICIENCY: 30.0 - 100.0
NTERPRETATION:				TOXICITY: > 100.0
	CIENT:	< 20	n	g/mL
	FICIENT:			g/mL
	ED RANGE:	30 - 100 > 100		g/mL g/mL
conversion of 7- dih\ 2.25-OHVitamin D r	vdrocholecalciferol to Vitamin D3 represents the main body resevoi und by a transport protein while primary role in the maintenance of	in the skin upo r and transport in circulation. of calcium home	n Ultraviolet exposure. form of Vitamin D and trans eostatis. It promotes calciur	lecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults.





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BARCODE NO.	: 01514504	COLL	ECTION DATE	: 05/Aug/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 05/Aug/2024 11:34AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
	,			
Test Name		Value	Unit	Biological Reference interval
		VITAMIN B12/CO	BALAMIN	
VITAMIN B12/COBA	LAMIN: SERUM	556	pg/mL	190.0 - 890.0
	IESCENT MICROPARTICLE IMMUNOA	SSAY)	13	
INTERPRETATION:-	SED VITAMIN B12		DECREASED VITAMIN	1010
1.Ingestion of Vitam		1.Pregnancy	DECREASED VITAIVIIN	
2.Ingestion of Estro			in, Anti-convulsants	Colchicine
3.Ingestion of Vitam		3.Ethanol Igestion		
4.Hepatocellular in		4. Contraceptive Harmones		
5.Myeloproliferativ	e disorder	5.Haemodialysis		
		6. Multiple My		
<u>6.Uremia</u> 1.Vitamin B12 (cobal			nal function	





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BARCODE NO.	: 01514504		LLECTION DATE	: 05/Aug/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 05/Aug/2024 12:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
		OUTINE & MICRO	SCOPIC EXAMINAT	ΓΙΟΝ
PHYSICAL EXAMINA		COTINE & MICKO		
		10	ml	
COLOUR	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			PALE YELLOW
	TANCE SPECTROPHOTOMETRY	PALE YELLOW		TALL TELEOW
TRANSPARANCY		HAZY		CLEAR
	TANCE SPECTROPHOTOMETRY			
SPECIFIC GRAVITY		1.02		1.002 - 1.030
CHEMICAL EXAMINA	TANCE SPECTROPHOTOMETRY			
REACTION	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		1+		NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
SUGAR		Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
1	TANCE SPECTROPHOTOMETRY	<=0.0		5.0 - 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
•	TANCE SPECTROPHOTOMETRY			
		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
	TANCE SPECTROPHOTOMETRY	NUTTIAL	EU/UL	0.2 - 1.0
KETONE BODIES		Negative		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY			
BLOOD		TRACE		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve		
	TANCE SPECTROPHOTOMETRY	NEGATIVE (-VE	シ	NEGATIVE (-ve)
MICROSCOPIC EXAMINATION				

MICROSCOPIC EXAMINATION



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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		4-5	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		20-30	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		4-6	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)
	CENTRIFUGED URINARY SEDIMENT			

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)

ABSENT