



	<b>Dr. Vinay Chopra</b> MD (Pathology & Micro Chairman & Consultan	obiology)		(Pathology)
NAME :	Mr. RAJAT JAIN			
AGE/ GENDER :	37 YRS/MALE		PATIENT ID	: 1736024
<b>COLLECTED BY</b> :	SURJESH		REG. NO./LAB NO.	: 012501270018
<b>REFERRED BY</b> :	CENTRAL PHOENIX CLUB (AMBAI	A CANTT)	<b>REGISTRATION DATE</b>	: 27/Jan/2025 09:49 AM
BARCODE NO. :	01524489		<b>COLLECTION DATE</b>	: 27/Jan/2025 09:56AM
<b>CLIENT CODE.</b> :	KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Jan/2025 10:05AM
CLIENT ADDRESS :	6349/1, NICHOLSON ROAD, AMBA	ALA CANTT		
Test Name		Value	Unit	Biological Reference interva
<u>RED BLOOD CELLS (I</u>			LLNESS PANEL: 1.5 OOD COUNT (CBC)	5
HAEMOGLOBIN (HB)		13.6	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RB by HYDRO DYNAMIC FOC	C) COUNT USING, ELECTRICAL IMPEDENCE	4.65	Millions/	/cmm 3.50 - 5.00
PACKED CELL VOLUM		41.1	%	40.0 - 54.0
MEAN CORPUSCULAR by CALCULATED BY AUTO	VOLUME (MCV) DMATED HEMATOLOGY ANALYZER	88.5	fL	80.0 - 100.0
	HAEMOGLOBIN (MCH) DMATED HEMATOLOGY ANALYZER	29.2	pg	27.0 - 34.0
	HEMOGLOBIN CONC. (MCHC) DMATED HEMATOLOGY ANALYZER	33	g/dL	32.0 - 36.0
	ION WIDTH (RDW-CV) DMATED HEMATOLOGY ANALYZER	13.7	%	11.00 - 16.00
	ION WIDTH (RDW-SD) DMATED HEMATOLOGY ANALYZER	45.6	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		19.03	RATIO	BETA THALASSEMIA TRAIT: 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX		26.03	RATIO	BETA THALASSEMIA TRAIT: 65.0 IRON DEFICIENCY ANEMIA: 65.0
WHITE BLOOD CELLS		6200		4000 11000
TOTAL LEUCOCYTE CO	JUNT (TLC) ′ SF CUBE & MICROSCOPY	6200	/cmm	4000 - 11000
NUCLEATED RED BLO by AUTOMATED 6 PART F		NIL		0.00 - 20.00
NUCLEATED RED BLO		NIL	%	< 10 %





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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 : Mr. RAJAT JAIN **AGE/ GENDER** : 37 YRS/MALE **PATIENT ID** :1736024 **COLLECTED BY** : SURJESH :012501270018 REG. NO./LAB NO. **REFERRED BY** : CENTRAL PHOENIX CLUB (AMBALA CANTT) **REGISTRATION DATE** : 27/Jan/2025 09:49 AM **BARCODE NO.** :01524489 **COLLECTION DATE** : 27/Jan/2025 09:56AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 27/Jan/2025 10:05AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 51% 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 35 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 6 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 3162 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2170 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 372 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 496 /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) 150000 - 450000 158000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.23 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 14<sup>H</sup> fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 92000<sup>H</sup> 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 58.1<sup>H</sup> 11.0 - 45.0

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

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

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

%

16.4



15.0 - 17.0





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Test Name	Value	Unit	Biological Reference interval





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Jan/2025 01:46PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
CLIENT ADDRESS	. 0343/ 1, MOHOLSON ROAD,	AMDALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	CIN	COCVI ATED II	AEMOGLOBIN (HBA1C)	
GLYCOSYLATED HAE	MOGLOBIN (HbA1c):	5.9	%	4.0 - 6.4
WHOLE BLOOD				
by HPLC (HIGH PERFORM	IANCE LIQUID CHROMATOGRAPHY)	100.00	( )7	
by HPLC (HIGH PERFORM ESTIMATED AVERAGE		122.63	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORM ESTIMATED AVERAGE	E PLASMA GLUCOSE	122.63	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM	E PLASMA GLUCOSE			60.00 - 140.00
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION:	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	BETES ASSOCIATION		
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAL	BETES ASSOCIATION	I (ADA):	
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAL FERENCE GROUP	BETES ASSOCIATION	I (ADA): YLATED HEMOGLOGIB (HBAIC) ii	
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAL FERENCE GROUP etic Adults >= 18 years	BETES ASSOCIATION	I (ADA): YLATED HEMOGLOGIB (HBAIC) in <5.7	
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAL FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	BETES ASSOCIATION GLYCOS	I (ADA): VLATED HEMOGLOGIB (HBAIC) in <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	BETES ASSOCIATION	I (ADA): VLATED HEMOGLOGIB (HBAIC) in <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	n %
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAL FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	BETES ASSOCIATION GLYCOS	I (ADA): VLATED HEMOGLOGIB (HBAIC) in <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years erapy: <7.0	n %
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	BETES ASSOCIATION GLYCOS Goals of Th	I (ADA): VLATED HEMOGLOGIB (HBAIC) in <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years erapy: <7.0	n %

## 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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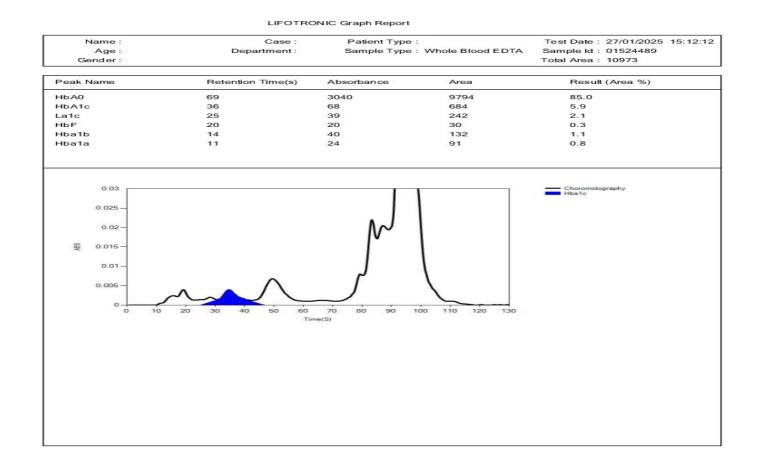


TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





Test Name	Value	Unit	Biological Reference interval
CLIENT ADDRESS	. 0549/ I, INCHOLSON ROAD, AMDALA CANTI		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 27/Jan/2025 01:46PM
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	MD (Pathology & Microbiology) Chairman & Consultant Pathologis	MD	(Pathology)
	Dr. Vinay Chopra	Dr. Yugan	n Chopra





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	MI	<b>r. Vinay Cho</b>   D (Pathology & M nairman & Consu	licrobiology)		(Pathology)
IAME	: Mr. RAJAT JAI	N			
GE/ GENDER	: 37 YRS/MALE			PATIENT ID	: 1736024
OLLECTED BY	: SURJESH			REG. NO./LAB NO.	: 012501270018
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ARCODE NO.	:01524489			<b>COLLECTION DATE</b>	: 27/Jan/2025 09:56AM
LIENT CODE.	: KOS DIAGNOS	FIC LAB		<b>REPORTING DATE</b>	: 27/Jan/2025 11:07AM
LIENT ADDRESS	: 6349/1, NICHO	OLSON ROAD, AN	MBALA CANTT		
Fest Name			Value	Unit	Biological Reference interval
NTERPRETATION: . ESR is a non-specif mmune disease, but . An ESR can be affe s C-reactive protein	ic test because an does not tell the h cted by other conc	ealth practitione litions besides in	er exactly wher flammation. Fo	e the inflammation is in the or this reason, the ESR is ty	ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such
NTERPRETATION: . ESR is a non-specify mmune disease, but . An ESR can be affer s C-reactive protein . This test may also ystemic lupus eryth ONDITION WITH LO CONDITION WITH LO CONDITION WITH LO LOW ESR can be see polycythaemia), sign s sickle cells in sick IOTE: . ESR and C - reactiv . Generally, ESR doe . CRP is not affected	ic test because an does not tell the h cted by other conc be used to monito ematosus <b>W ESR</b> in with conditions the ificantly high whit is cell anaemia) als e protein (C-RP) and so not change as ra by as many other f	elevated result o ealth practitione litions besides in r disease activity that inhibit the n e blood cell cour so lower the ESR e both markers o pidly as does CR factors as is ESR,	er exactly wher flammation. Fo and response ormal sedimer nt (leucocytosi f inflammatior P, either at the making it a be	the presence of inflammat e the inflammation is in the or this reason, the ESR is ty to therapy in both of the a ntation of red blood cells, s s) , and some protein abno	ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves.





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		Chopra y & Microbiology) onsultant Pathologist	Dr. Yugam MD ( CEO & Consultant	(Pathology)
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BARCODE NO.	:01524489	COL	LECTION DATE	: 27/Jan/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 27/Jan/2025 11:39AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLIN	ICAL CHEMISTRY	Y/BIOCHEMIST	RY
		GLUCOSE FAS	STING (F)	
GLUCOSE FASTING	(F): PLASMA E - peroxidase (god-pod)	104.3 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.





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MBBS, MD (PATHOLOGY)

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Test Name		Value	Unit	Biological Reference interval
		LIPID PR	OFILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL OX		170.13	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSF	ERUM PHATE OXIDASE (ENZYMATIC)	83.1	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM ion	39.89	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		113.62	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 CHOLEST by CALCULATED, SPE		130.24 <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
VLDL CHOLESTER( by CALCULATED, SPE		16.62	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SER	RUM	423.36	mg/dL	350.00 - 700.00
by OALCOLATED, OF E CHOLESTEROL/HE by CALCULATED, SPE	DL RATIO: SERUM	4.26	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.85	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.08 <sup>L</sup>	RATIO	3.00 - 5.00

## **INTERPRETATION:**

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

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

 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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Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER	FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL: by DIAZOTIZATION, SP	: SERUM PECTROPHOTOMETRY	0.5	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.17	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.33	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		26.4	U/L	7.00 - 45.00

.,			ADULI. 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.17	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.33	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	26.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	17.6	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	1.5	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methyl propanol	102.93	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	16.54	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.67	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.99	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.68 <sup>H</sup>	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.08	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)





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. RAJAT JAIN		
AGE/ GENDER	: 37 YRS/MALE	PATIENT ID	: 1736024
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501270018
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 27/Jan/2025 09:49 AM
BARCODE NO.	: 01524489	COLLECTION DATE	: 27/Jan/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 27/Jan/2025 12:12PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	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



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	<b>Dr. Vinay Cho</b> MD (Pathology & M Chairman & Consu	licrobiology)	Dr. Yugam MD ( CEO & Consultant	(Pathology)
NAME	: Mr. RAJAT JAIN			
AGE/ GENDER	: 37 YRS/MALE	P	ATIENT ID	: 1736024
<b>COLLECTED BY</b>	: SURJESH	R	EG. NO./LAB NO.	: 012501270018
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	V FUNCTION	TEST (COMPLETE)	
UREA: SERUM	Kibiti	19.67	mg/dL	10.00 - 50.00
by UREASE - GLUTAN	MATE DEHYDROGENASE (GLDH)		Ũ	
CREATININE: SERU		0.99	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM	9.19	mg/dL	7.0 - 25.0
	ROGEN (BUN)/CREATININE	9.28 <sup>L</sup>	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE				
UREA/CREATININ	E RATIO: SERUM	19.87	RATIO	
by CALCULATED, SPE URIC ACID: SERUM		5.9	mg/dI	3.60 - 7.70
by URICASE - OXIDAS		5.9	mg/dL	5.00 - 7.70
CALCIUM: SERUM		9.88	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SE		3.99	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	143.9	mmol/L	135.0 - 150.0
POTASSIUM: SERU	M	3.75	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM		107.93	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV		107.33	IIIII01/ L	30.0 - 110.0
ESTIMATED GLON	IERULAR FILTERATION RATE			
(eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	100.6		

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.

3. GI haemorrhage.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	MD (Pa	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		<b>ugam Chopra</b> MD (Pathology) sultant Pathologist		
NAME	: Mr. RAJAT JAIN					
AGE/ GENDER	: 37 YRS/MALE		PATIENT ID	: 173602	4	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 01250	1270018	
REFERRED BY		CLUB (AMBALA CANTT)			2025 09:49 AM	
BARCODE NO.	: 01524489		COLLECTION DAT		2025 09:56AM	
		ND.				
CLIENT CODE.	: KOS DIAGNOSTIC L		REPORTING DATE	2 : 27/Jan/	2025 12:12PM	
CLIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBALA CANTT				
Test Name		Value	Un	it	<b>Biological Refer</b>	ence 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 0:1) WITH DECREASED	colds) EATININE LEVELS: onately more than creatin disease.	ine) (e.g. obstructive	uropathy).		
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients - INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an im 2. Cephalosporin ther	(e.g. ureter colostomy) ass (subnormal creatin tetracycline, glucocorti <b>0:1) WITH ELEVATED CF</b> (BUN rises disproporti superimposed on renal <b>0:1) WITH DECREASED</b> osis. Id starvation. 2: creased urea synthesis urea rather than creatin monemias (urea is virtu f inappropiate antidiur <b>0:1) WITH INCREASED (</b> oy (accelerates converse eleases muscle creatining who develop renal failues creased BUN/creatining apy (interferes with creating LAR FILTERATION RATE DESCI Normal kic Kidney da	colds) EATININE LEVELS: Dately more than creating disease. BUN : Inine diffuses out of extract ally absent in blood). Detic harmone) due to tubu REATININE: Ion of creatine to creating ne). Ire. Is false increase in creating atinine measurement). EXPTION GFR (mode for the second sec	cellular fluid). Jar secretion of urea ne).	hodologies,resultin ASSOCIATED FI No protein Presence of P	NDINGS uria rotein ,	when dehydratic
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (ro 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an im 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1 G2	(e.g. ureter colostomy) ass (subnormal creatin tetracycline, glucocorti <b>0:1) WITH ELEVATED CF</b> (BUN rises disproporti superimposed on renal <b>0:1) WITH DECREASED</b> osis. Id starvation. 2: creased urea synthesis urea rather than creatin monemias (urea is virtu f inappropiate antidiur <b>0:1) WITH INCREASED (</b> oy (accelerates converse eleases muscle creatining who develop renal failu sis (acetoacetate cause creased BUN/creatining apy (interferes with creating <b>LAR FILTERATION RATE</b> <b>DESCI</b> Normal kic Kidney da normal co	coids) EATININE LEVELS: Donately more than creating disease. BUN : Inine diffuses out of extract ally absent in blood). Detic harmone) due to tubu REATININE: Ion of creatine to creating ne). Ire. Is false increase in creating atinine measurement). EXPTION GFR (mode for the formation of the form	cellular fluid). Jar secretion of urea ne). ine with certain met <u>mL/min/1.73m2 ) &gt;90 &gt;90</u>	hodologies,resultin ASSOCIATED FI No protein	NDINGS uria rotein ,	when dehydratic
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (ro 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an im 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1 G2 G3a	(e.g. ureter colostomy) ass (subnormal creatin tetracycline, glucocorti <b>0:1) WITH ELEVATED CF</b> (BUN rises disproporti superimposed on renal <b>0:1) WITH DECREASED</b> osis. Id starvation. creased urea synthesis urea rather than creatin monemias (urea is virtu f inappropiate antidiur <b>0:1) WITH INCREASED (</b> oy (accelerates converse eleases muscle creatining who develop renal failues creased BUN/creatining asis (acetoacetate cause creased BUN/creatining by (interferes with creating <u>LAR FILTERATION RATE</u> <u>DESCI</u> Normal kic Kidney da normal co Mild decr	coids) EATININE LEVELS: Donately more than creating disease. BUN : Inine diffuses out of extract ally absent in blood). Detic harmone) due to tubu REATININE: Ion of creatine to creating ne). Ire. Is false increase in creating atinine measurement). INPION GFR (measurement). INPION GFR (measurement) Integration of the state of the	cellular fluid). Jar secretion of ureanne). ine with certain met <u>mL/min/1.73m2 )</u> >90 >90	hodologies,resultin ASSOCIATED FI No protein Presence of P	NDINGS uria rotein ,	when dehydratic
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)









	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. RAJAT JAIN		
AGE/ GENDER	: 37 YRS/MALE	PATIENT ID	: 1736024
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501270018
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 27/Jan/2025 09:49 AM
BARCODE NO.	: 01524489	COLLECTION DATE	: 27/Jan/2025 09:56AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
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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NAME	: Mr. RAJAT JAIN				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT			
Test Name		Value	Unit	<b>Biological Reference interval</b>	
		IRON	PROFILE		
IRON: SERUM	TROPHOTOMETRY	80.66	µg/dL	59.0 - 158.0	
,	ON BINDING CAPACITY (UIBC)	231.29	μg/dL	150.0 - 336.0	

SERUM			
TOTAL IRON BINDING CAPACITY (TIBC)	311.95	µg/dL	230 - 430
:SERUM			
by SPECTROPHOTOMETERY			
%TRANSFERRIN SATURATION: SERUM by Calculated, spectrophotometery (ferene)	25.86	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)	221.48	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

#### 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):

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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	1	D <b>r. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Patholog	M	<b>m Chopra</b> D (Pathology) nt Pathologist	
NAME	: Mr. RAJAT J	AIN			
AGE/ GENDER	: 37 YRS/MAL	E	PATIENT ID	: 1736024	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:012501270018	
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CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMBALA CAN	IT		
Test Name		Value	Unit	Biological Reference inte	erval
			CRINOLOGY NCTION TEST: TOTAL		
TRIIODOTHYRONII		A 1.221 RTICLE IMMUNOASSAY)	ng/mL	0.35 - 1.93	
THYROXINE (T4): S by CMIA (CHEMILUMIN		7.3 RTICLE IMMUNOASSAY)	µgm/d	L 4.87 - 12.60	
THYROID STIMULA by CMIA (CHEMILUMIN		NE (TSH): SERUM 1.405 RTICLE IMMUNOASSAY)	μIU/m	L 0.35 - 5.50	
3rd GENERATION, ULT INTERPRETATION:	RASENSITIVE				
day has influence on the I	<i>measured serum TSI</i> ure at any level of	<i>concentrations</i> . TSH stimulates the regulation of the hypothalamic-pitui	production and secretion of the	<i>pm. The variation is of the order of 50%.Hence tin</i> metabolically active hormones, thyroxine (T4)an her underproduction (hypothyroidism) or	

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 (e.g.: phenytoin , salicylates).

3. Serum T4 levels 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 hypothyroidism , pregnancy , phenytoin therapy.

TRIIODOTHYRONINE (T3) THYROXII		(INE (T4)	THYROID STIMULATING 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
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. RAJAT JAIN		
AGE/ GENDER	: 37 YRS/MALE	PATIENT ID	: 1736024
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501270018
<b>REFERRED BY</b>	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 27/Jan/2025 09:49 AM
BARCODE NO.	: 01524489	COLLECTION DATE	: 27/Jan/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 27/Jan/2025 12:12PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name			Value Unit		Biological Reference inte	
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	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, iodine 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 goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic 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.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	MD (Pat	n <b>ay Chopra</b> hology & Microbiology) n & Consultant Patholog	ist CEO	Dr. Yugam MD & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANT	Т		
Test Name		Value		Unit	<b>Biological Reference interval</b>
			TAMINS		
		VITAMIN D/25 I	IYDROXY V		
	DROXY VITAMIN D3): ESCENCE IMMUNOASSAY)	SERUM <b>26.8<sup>L</sup></b>		ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
INTERPRETATION:		00			
	CIENT: FICIENT:	< 20 21 - 29	\ \		j/mL j/mL
PREFFER	ED RANGE:	<u>30 - 100</u> > 100		ng	y/mL j/mL
2.25-OHVitamin D r tissue and tightly bo 3.Vitamin D plays a r phosphate reabsorpt	und by a transport prote primary role in the maint ion, skeletal calcium der nay lead to failure to mir posure.	resevoir and transport in while in circulation. enance of calcium hom position, calcium mobili neralize newly formed c	form of Vitami eostatis. It proj zation, mainly r	n D and transp motes calcium equlated by p	port form of Vitamin D, being stored in adipos n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults.
1.Lack of sunshine ex 2.Inadequate intake, 3.Depressed Hepatic 4.Secondary to advar 5.Osteoporosis and S 5.Enzyme Inducing d NCREASED: 1. Hypervitaminosis I severe hypercalcemia CAUTION: Replaceme hypervitaminosis D	Vitamin D 25- hvdroxyla need Liver disease econdary Hyperparathro rugs: anti-epileptic drugs D is Rare, and is seen onl a and hyperphophatemia ent therapy in deficient in <i>individuals as compare to</i>	se activity pidism (Mild to Modera like phenytoin, phenol v after prolonged expos n dividuals must be mon	barbital and car sure to extreme itored by period	ly high doses lic assessmen	that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in t of Vitamin D levels in order to prevent iency due to excess of melanin pigment which





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CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interval		
	SED VITAMIN B12		DECREASED VITAMIN	I B12		
1.Ingestion of Vitar		1.Pregnancy				
2.Ingestion of Estro			n, Anti-convulsants,	Colchicine		
3.Ingestion of Vitan		3.Ethanol Igesti	4. Contraceptive Harmones			
4.Hepatocellular in 5 Myeloproliferativ		5.Haemodialys				
5.Myeloproliferative disorder						
6.Uremia 1.Vitamin B12 (coba	lamin) is necessary for hema tained only from animal prot	6. Multiple Mye topoiesis and normal neuror	eloma nal function.			





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Dr. Yugam Chopra MD (Pathology)

**CEO & Consultant Pathologist** 

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT	·	
				/
Test Name		Value	Unit	<b>Biological Reference interval</b>
			PATHOLOGY CROSCOPIC EXAMINA	ATION
PHYSICAL EXAMIN	NATION			
QUANTITY RECIEV	ED TANCE SPECTROPHOTOMETRY	10	ml	
COLOUR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	PALE YE	LLOW	PALE YELLOW
TRANSPARANCY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030

ACIDIC

Negative

Negative

Negative

Negative

Normal

Negative

Negative

NEGATIVE (-ve)

NEGATIVE (-ve)

<=5.0

Dr. Vinay Chopra

: Mr. RAJAT JAIN

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

# **CHEMICAL EXAMINATION**

REACTION
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY
PROTEIN
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY
SUGAR
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

pН by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.

UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

**MICROSCOPIC EXAMINATION** 

RED BLOOD CELLS (RBCs)

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EU/dL

/HPF



NEGATIVE (-ve)

5.0 - 7.5

0.2 - 1.0

0 - 3

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

NAME





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



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

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT	2		
Test Name		Value	Unit	Biological Reference interval	
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT				
PUS CELLS		2-3	/HPF	0 - 5	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT	

End Of Report





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