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<b>NAME</b>	: Master. RAYANSH	<b>PATIENT ID</b>	: 1633020
<b>AGE/ GENDER</b>	: 9 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012410030014</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 03/Oct/2024 09:44 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 03/Oct/2024 09:47AM
<b>BARCODE NO.</b>	: 01518219	<b>REPORTING DATE</b>	: 03/Oct/2024 10:07AM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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**HAEMATOLOGY**

**COMPLETE BLOOD COUNT (CBC)**

**RED BLOOD CELLS (RBCS) COUNT AND INDICES**

<b>HAEMOGLOBIN (HB)</b> <i>by CALORIMETRIC</i>	9.5 <sup>L</sup>	gm/dL	12.0 - 16.0
<b>RED BLOOD CELL (RBC) COUNT</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	5.77 <sup>H</sup>	Millions/cmm	3.50 - 5.50
<b>PACKED CELL VOLUME (PCV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	30.7 <sup>L</sup>	%	35.0 - 49.0
<b>MEAN CORPUSCULAR VOLUME (MCV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	53.2 <sup>L</sup>	fL	80.0 - 100.0
<b>MEAN CORPUSCULAR HAEMOGLOBIN (MCH)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	16.5 <sup>L</sup>	pg	27.0 - 34.0
<b>MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	31.1 <sup>L</sup>	g/dL	32.0 - 36.0
<b>RED CELL DISTRIBUTION WIDTH (RDW-CV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	16.9 <sup>H</sup>	%	11.00 - 16.00
<b>RED CELL DISTRIBUTION WIDTH (RDW-SD)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	33.6 <sup>L</sup>	fL	35.0 - 56.0
<b>MENTZERS INDEX</b> <i>by CALCULATED</i>	9.22	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
<b>GREEN &amp; KING INDEX</b> <i>by CALCULATED</i>	15.62	RATIO	BETA THALASSEMIA TRAIT: <= 65.0 IRON DEFICIENCY ANEMIA: > 65.0

**WHITE BLOOD CELLS (WBCS)**

<b>TOTAL LEUCOCYTE COUNT (TLC)</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	9250	/cmm	4000 - 12000
<b>NUCLEATED RED BLOOD CELLS (nRBCS)</b> <i>by AUTOMATED 6 PART HEMATOLOGY ANALYZER</i>	NIL		0.00 - 20.00
<b>NUCLEATED RED BLOOD CELLS (nRBCS) %</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	NIL	%	< 10 %

**DIFFERENTIAL LEUCOCYTE COUNT (DLC)**

<b>NEUTROPHILS</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	47 <sup>L</sup>	%	50 - 70
<b>LYMPHOCYTES</b>	44	%	20 - 45



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<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
EOSINOPHILS	2	%	1 - 6
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
MONOCYTES	7	%	3 - 12
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
BASOPHILS	0	%	0 - 1
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
<b><u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u></b>			
ABSOLUTE NEUTROPHIL COUNT	4348	/cmm	2000 - 7500
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE LYMPHOCYTE COUNT	4070	/cmm	800 - 4900
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE EOSINOPHIL COUNT	185	/cmm	40 - 440
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE MONOCYTE COUNT	648	/cmm	80 - 880
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE BASOPHIL COUNT	0	/cmm	0 - 110
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
<b><u>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</u></b>			
PLATELET COUNT (PLT)	373000	/cmm	150000 - 450000
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELETCRIT (PCT)	0.36	%	0.10 - 0.36
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
MEAN PLATELET VOLUME (MPV)	10	fL	6.50 - 12.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET LARGE CELL COUNT (P-LCC)	104000 <sup>H</sup>	/cmm	30000 - 90000
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET LARGE CELL RATIO (P-LCR)	27.9	%	11.0 - 45.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET DISTRIBUTION WIDTH (PDW)	15.8	%	15.0 - 17.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			



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**CLINICAL CHEMISTRY/BIOCHEMISTRY**

**LIVER FUNCTION TEST (COMPLETE)**

BILIRUBIN TOTAL: SERUM <i>by DIAZOTIZATION, SPECTROPHOTOMETRY</i>	0.83	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
<b>BILIRUBIN DIRECT (CONJUGATED): SERUM</b> <i>by DIAZO MODIFIED, SPECTROPHOTOMETRY</i>	<b>0.43<sup>H</sup></b>	<b>mg/dL</b>	<b>0.00 - 0.40</b>
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	0.4	mg/dL	0.10 - 1.00
SGOT/AST: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	31.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	28.2	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	1.11	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM <i>by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL</i>	134.01	U/L	50.00 - 370.00
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM <i>by SZASZ, SPECTROPHOTOMETRY</i>	17.16	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM <i>by BIURET, SPECTROPHOTOMETRY</i>	7.28	gm/dL	6.20 - 8.00
ALBUMIN: SERUM <i>by BROMOCRESOL GREEN</i>	3.76	gm/dL	3.50 - 5.50
<b>GLOBULIN: SERUM</b> <i>by CALCULATED, SPECTROPHOTOMETRY</i>	<b>3.52<sup>H</sup></b>	<b>gm/dL</b>	<b>2.30 - 3.50</b>
A : G RATIO: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	1.07	RATIO	1.00 - 2.00

**INTERPRETATION**

**NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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



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INTRAHEPATIC CHOLESTATIS		> 1.5	
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increased)	

**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

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



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