

PATIENT NAME	: MR. CHANDAN KUMAR	Mobile No	: 9458296680
UHID NO	: 39313	IPD No, AGE	: 46 Y / Male
ADDRESS	: H. ON 8149, I BLOCK AEROCITY	SAMPLE DATE	: 08-03-2025 10:47AM
DOCTOR	: Self	PRINT DATE	: 09-03-2025 06:19AM

Test Name	Result	Units	Biological Ref. Interval
<b>BLOOD GLUCOSE - FASTING</b> <i>METHOD :Method: GOD POD</i>	101.3	mg/dL	70 - 110
<b>BLOOD GROUP ABO</b>	B		
BLOOD GROUP "RH"	NEGATIVE		
<b>CALCIUM</b>			
SERUM CALCIUM <i>METHOD :O-Cresolphthalein complexone (OCPC )</i>	9.0	mg/dl	8.6 - 10.2
<b>COMPLETE HEMOGRAM WITH ESR</b>			
HAEMOGLOBIN (HB) <i>METHOD :Method: SPECTROPHOTOMETER / AUTOMATED CELL COUNTER</i>	14.3	gm/dl	13.0 - 18.0
TOTAL LEUCOCYTE COUNT (TLC) <i>METHOD :Method: Impedance/Automated cell counter</i>	5740	/cmm	4000 - 11000
NEUTROPHILS	57	%	45 - 75
LYMPHOCYTE	34	%	20 - 45
EOSINOPHIL	04	%	0.00 - 6
MONOCYTE	05	%	0 - 10
BASOPHIL	00	%	0.00 - 3.00
E.S.R. (WESTERGREEN METHOD)	10	mm	0.00 - 15.0
RBC (RED BLOOD CELLS) <i>METHOD :Method: Impedance/Automated cell counter</i>	4.91	Millions/cmm	3.8 - 6.0
PLATELET COUNT <i>METHOD :Method: Impedance/Automated cell counter</i>	<b>1.47</b>	Lakh/cmm	1.50 - 4.5
PCV <i>METHOD :Method: Calculation/Automated cell counter</i>	43.0	%	38 - 54
MCV(MEAN CELL VOLUME) <i>METHOD :Method: Calculation/Automated cell counter</i>	87.6	fL	80 - 100



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Test Name	Result	Units	Biological Ref. Interval
MCH(MEAN CELL HAEMOGLOBIN) <i>METHOD :Method: Calculation/Automated cell counter</i>	29.1	picogram	27 - 31
MCHC <i>METHOD :Method: Calculation/Automated cell counter</i>	33.2	g / dL	33 - 37
RDW-CV <i>METHOD :Method: SPECTROPHOTOMETER / AUTOMATED CELL COUNTER</i>	14.3	%	10.0 - 15.0
PLCC(PLATELET LARGE CELL COEFFICIENT ) <i>METHOD :Method : Impedance/Automated cell counter</i>	75	/cmm	30 - 90
PLCR(PLATELET LARGE CELL RATIO) <i>METHOD :Method : Impedance/Automated cell counter</i>	<b>51.2</b>	%	11.0 - 45.0
<b>INORGANIC PHOSPHORUS</b> <i>METHOD :Ammonium Molybdate</i>	4.2	mg/dl	2.50 - 5.0
<b>LIPID PROFILE</b>			
TOTAL CHOLESTEROL <i>METHOD :Method : Enzymatic</i>	<b>240.0</b>	mg/dL	Desirable Cholesterol level : < 200 , Borderline High Cholesterol : 200 - 239, High : >= 240
TRIGLYCERIDES <i>METHOD :Method : GPO/PAP</i>	<b>238.9</b>	mg /dl	Normal : <150 , Borderline :150 -199 , High : 200 - 499 , Very High : >= : 500
H D L CHOLESTEROL <i>METHOD :Method : End Point, Phosphotungstic Acid</i>	<b>34.6</b>	mg/dL	35.3 - 79.5
L D L CHOLESTEROL <i>METHOD :Method : Calculated</i>	157.6	mg/dL	100 - 190
V L D L <i>METHOD :Method : Calculated</i>	<b>47.8</b>	mg/dL	7.00 - 35.0
TOTAL CHOLESTEROL/HDL RATIO <i>METHOD :Method : Calculated</i>	<b>6.9</b>		0.0 - 4.97
LDL/HDL CHOLESTEROL <i>METHOD :Method : Calculated</i>	0.1		0.0 - 3.5

## LIVER FUNCTION TEST [LFT]

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Test Name	Result	Units	Biological Ref. Interval
TOTAL BILIRUBIN	0.23	mg/dl	0.2 - 1.2
<i>METHOD :Method : Diazo</i>			
CONJUGATED (D. Bilirubin)	0.10	mg/dl	0.1 - 0.4
<i>METHOD :Method : Diazo</i>			
UNCONJUGATED (I.D.Bilirubin)	<b>0.1</b>	mg/dl	0.2 - 1.0
<i>METHOD :Method : Calculated</i>			
AST / SGOT	27.4	IU/L	00 - 35
<i>METHOD :Method : IFCC</i>			
ALT/SGPT	25.0	U/L	00 - 45
<i>METHOD :Method : IFCC</i>			
ALKALINE PHOSPHATASE	100.2	U/L	53 - 128
<i>METHOD :Method : ALP-AMP</i>			
TOTAL PROTEIN	6.82	g/dl	6.40 - 8.30
<i>METHOD :Method : Biuret</i>			
SERUM ALBUMIN	4.02	g/dl	3.50 - 5.20
<i>METHOD :Method : Bromocresol Green</i>			
GLOBULIN	2.8	gm/dl	1.5 - 3.0
<i>METHOD :Method : Calculated</i>			
A/G RATIO	1.4		1.2 - 2.0
<i>METHOD :Method : calculated</i>			
GGT	12.4	U/L	00 - 38.0
<i>METHOD :Method : Glupa C</i>			
<b>RFT PANEL 1</b>			
BLOOD UREA	26.0	mg /dl	18 - 55
<i>METHOD :Method : Urease-GLDH</i>			
SERUM CREATININE	1.00	mg /dl	0.70 - 1.30
<i>METHOD :Method : Enzymatic</i>			
SERUM URIC ACID	<b>7.8</b>	mg/dl	3.5 - 7.2
<i>METHOD :Method : Uricase-POD</i>			
<b>Serum electrolytes (Na, K, Cl)</b>			
SODIUM	139.5	mmol/L	136.0 - 155.0
<i>METHOD :Method : Ion selective electrode</i>			
POTASSIUM	4.70	mmol/L	3.5 - 5.5
<i>METHOD :Method : Ion selective electrode</i>			



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Test Name	Result	Units	Biological Ref. Interval
CHLORIDE	104.8	mmol/L	96 - 107
<i>METHOD : Method : Ion selective electrode</i>			
<b>VITAMIN D 3</b>			
VITAMIN D	40.6	ng/mL	SUFFICIENCY : 30.0 - 100.0
<i>METHOD : CLIA</i>			
			INSUFFICIENCY : 20.0 - 30.0
			DEFICIENCY : < 20.0
			TOXICTY : > 100.0

**Useful For:**

Diagnosis of vitamin D deficiency  
Differential diagnosis of causes of rickets and osteomalacia  
Monitoring vitamin D replacement therapy  
Diagnosis of hypervitaminosis D

**Interpretation:**

Vitamin D, the sunshine vitamin, is now recognized not only for its importance of bone health in children and adults, but also for other health benefits including reducing risk of chronic diseases including autoimmune diseases, common cancer and cardiovascular disease. Vitamin D made in the skin or ingested in the diet is biologically inert and requires two successive hydroxylations first in the liver on carbon 25 to form 25-hydroxyvitamin D [25(OH)D], and then in the kidney for a hydroxylation on carbon 1 to form the biologically active form of vitamin D, 1,25-dihydroxyvitamin D [1,25(OH)2D]. With the identification of 25(OH)D and 1,25(OH)2D, methods were developed to measure these metabolites in the circulation. Serum 25(OH)D is the barometer for vitamin D status. Serum 1,25(OH)2D provides no information about vitamin D status and is often normal or even elevated due to secondary hyperparathyroidism associated with vitamin D deficiency. Most experts agree that 25(OH)D of <10 ng/ml is considered to be vitamin D deficiency whereas a 25(OH)D of 10-30 ng/ml is considered to be insufficient. The goal should be to maintain both children and adults at a level > 30ng/ml to take full advantage of all the health benefits that vitamin D provides.

-----End of Report-----



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