



Patient Name : **Mr. Ramphal**

Age/ Gender : 56Y / Male

Sample Type : EDTA

Referred By : Dr. Abhey Chawla

C. NO: 6



Receiving Time : 06-Aug-2024 9:31AM

Reporting Time : 06-Aug-2024 9:48AM

Reg No. : 245003007

Test Name	Results	Units	Biological Ref-Interval
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HAEMATOLOGY

COMPLETE BLOOD COUNT

HAEMOGLOBIN (Colorimetry Cyanide free)	10.60	g/dl	13.0-17.0
TOTAL LEUCOCYTE COUNT (Electric Impedence)	6.08	Thousand/ Cumm	4.00-11.00
DIFFERENTIAL LEUCOCYTE COUNT			
Neutrophils	45	%.	40-75
Lymphocytes	43	%.	25-45
Monocytes	07	%.	1-10
Eosinophils	05	%.	1-6
Basophils	00	%	0-1
ABSOLUTE COUNT			
Neutrophils Count	2.70	10 ³ /UI	2.00-7.00
Lymphocyte Count	2.63	10 ³ /UI	1.00-3.00
Monocyte Count	0.41	10 ³ /UI	0.02-1.00
Eosinophil Count	0.29	10 ³ /UI	0.02-0.50
Basophils Count	0.02	10 ³ /UI	0.02-0.10
TOTAL R.B.C. COUNT (Electric Impedence)	3.44	Million/Cumm	4.0-5.5
HAEMATOCRIT (P.C.V.) (Calculated)	31.80	%	33 - 51
MCV (Calculated)	92.60	fL	73-98
MCH (Calculated)	30.80	pg	24-34
MCHC (Calculated)	33.30	g/dl	30-36



Dr. Abhey Chawla
M.B.B.S, MD(Pathology)

Checked By

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RDW-CV (Calculated)	15.40	%	11.5 - 14.5
RDW-SD (Calculated)	48.70	fL	35.0-56.0
Platelet Count (Electric Impedence)	1.43	lacs/mm ³	1.50 - 4.50
MPV (Calculated)	12.20	fL	11.5-14.5
PDW (Calculated)	16.70	%	9.6-15.2
PCT (Calculated)	0.18	mL/L	0.108-0.282
P-LCC (Calculated)	67.00	10 ³ /uL	30-90
P-LCR (Calculated)	46.60	%	11.0-45.0



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Sample Type : SERUM

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BIOCHEMISTRY

KIDNEY FUNCTION TEST

BLOOD UREA Methodology : Urease UV	147	mg/dl	13-45
SERUM CREATININE	8.56	mg/dl	0.6-1.4
SERUM URIC ACID Methodology : Colorimetric	5.46	mg/dl	2.5-6.6
SERUM SODIUM (Na)	130.0	mmol/l	133-145
SERUM POTASSIUM (K)	4.68	mmol/l	3.5-5.5
SERUM CHLORIDE (Cl)	101.2	mmol/l	96 - 110



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LIVER PROFILE TEST			
BILIRUBIN TOTAL Methodology :Diazonium Ion Blanked	0.78	mg/dl	0.2 - 2.0
BILIRUBIN DIRECT Methodology :DUD	0.31	mg/dl	0.0 - 1.0
BILIRUBIN INDIRECT Methodology : Calculated	0.47	mg/dl	0.0 - 0.60
S.G.O.T. Methodology : UV without P5P	34.2	U/L	0 - 45
S.G.P.T. Methodology : UV without P5P	27.9	U/L	0 - 49
SERUM ALKALINE PHOSPHATASE Methodology : IFCC	196.0	IU/L.	80-306
TOTAL PROTEINS Methodology : Biuret	6.90	Gm/dL.	6.4 - 8.3
ALBUMIN Methodology : BCG	3.86	Gm/dL.	3.5 - 5.5
GLOBULIN Methodology : Calculated	3.04	Gm/dL.	2.3 - 3.5
A : G RATIO Methodology : Calculated	1.27		0.0 - 2.0



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Test Name	Results	Units	Biological Ref-Interval
LIPID PROFILE			
SERUM CHOLESTEROL	189.0	mg/dl	0 - 200
SERUM TRIGLYCERIDE	165.0	mg/dl	25 - 160
HDL CHOLESTEROL	41.0	mg/dl	30 - 80
VLDL CHOLESTEROL	33.0	mg/dl	02 - 30
LDL CHOLESTEROL	115.0	mg/dL	< 100
TOTAL LIPIDS	656.73	mg/dl	400 - 800
LDL/HDL RATIO	2.8	mg/dL	0.0 - 3.5
CHOL/HDL CHOLESTROL RATIO	4.6	mg/dL	3.5 - 5.0

INTERPRETATION

TRIGLYCERIDE level > 250mg/dL is associated with an approximately 2-fold greater risk of coronary vascular disease. Elevation of triglycerides can be seen with obesity, medication, fast less than 12 hrs., alcohol intake, diabetes melitus, and pancreatitis.

CHOLESTEROL, its fractions and triglycerides are the important plasma lipids in defining cardiovascular risk factors and in the management of cardiovascular disease. Highest acceptable and optimum values of cholesterol values of cholesterol vary with age.

Values above 220 mgm/dl are associated with increased risk of CHD regardless of HDL & LDL values.

HDL-CHOLESTEROL level <35 mg/dL is associated with an increased risk of coronary vascular disease even in the face of desirable levels of cholesterol and LDL - cholesterol.

LDL - CHOLESTEROL & TOTAL CHOLESTEROL levels can be strikingly altered by thyroid, renal and liver disease as well as hereditary factors.

Based on total cholesterol, LDL- cholesterol, and total cholesterol/HDL - cholesterol ratio, patients may be divided into the three risk categories.

PHOSPHORUS	13.6	mg/dl	2.5 - 4.5 (Adult)
SERUM CALCIUM	8.7	mg/dl	8.5 - 11.0

-----{END OF REPORT }-----



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