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MEDICAL LABORATORY

Laboratory Investigation Report

BML298459

Name	:	Mr. DEBABRATA RAY NITAI RAY	**Ref No.**	:	41368
DOB	:	30/03/2000	**Sample No.**	:	2311302272
Age / Gender	:	23 Y / Male	**Collected**	:	05/11/2023 13:00
Referred by	:	DR. Sajid Sanaullah Khan	**Registered**	:	05/11/2023 23:02
Centre	:	Peshawar Medical Center LLC	**Reported**	:	06/11/2023 00:00

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
C-REACTIVE PROTEIN (CRP)	5.2	H	mg/L	< 5.0 Please note change in reference range.	Immunoturbidimetry

Sample Type : Serum

End of Report

Dr. Adley Mark Fernandes
M.D (Pathology)
Pathologist

Dr. Vyoma V Shah
M.D (Pathology)
Clinical Pathologist

HARSHAD MANIKANDAN
Laboratory Technician
Printed on: 06/11/2023 09:44

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	15		g/dL	13.5 - 17.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	5.1		10^6/µL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	43.2		%	38 - 50	Calculation
MCV	85.1		fL	82 - 98	Calculation
MCH	29.5		pg	27 - 32	Calculation
MCHC	34.7		g/dL	32 - 37	Calculation
RDW	12.8		%	11.8 - 15.6	Calculation
RDW-SD	38.5		fL		Calculation
MPV	9.2		fL	7.6 - 10.8	Calculation
PLATELET COUNT	180		10^3/µL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	16.8		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC)^	0.1		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT^	0.01		10^3/uL		Calculation
EARLY GRANULOCYTE COUNT (EGC)^	1		%		Flow Cytometry
ABSOLUTE EGC^	0.1		10^3/uL		Calculation
WBC COUNT	8.2		10^3/µL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	75		%	40 - 75	Flow Cytometry
LYMPHOCYTES	20		%	20 - 45	Flow Cytometry
EOSINOPHILS	1		%	0 - 6	Flow Cytometry
MONOCYTES	4		%	1 - 6	Flow Cytometry
BASOPHILS	0		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	6.1		10^3/uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	0.8		10^3/uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.4		10^3/uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.1		10^3/uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0		10^3/uL	0 - 0.11	Calculation

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology

COMPLETE BLOOD COUNT (CBC)

Interpretation Notes : Please note update on CBC report format and changes in reference ranges.

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HAEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
ERYTHROCYTE SEDIMENTATION RATE (ESR)	2		mm/hr	< 15 Please note change in reference range and method.	Automated

Interpretation Notes :

Increased ESR is seen in inflammation, pregnancy, anemia, autoimmune disorders (such as rheumatoid arthritis and lupus), infections, some kidney diseases and some cancers (such as lymphoma and multiple myeloma).

The ESR is decreased in polycythemia, hyperviscosity, sickle cell anemia, leukemia, low plasma protein (due to liver or kidney disease), congestive heart failure, hypofibrinogenemia and leukocytosis.

Sample Type : *EDTA Whole Blood*

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