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MEDICAL LABORATORY

Laboratory Investigation Report

BML317868

Name	:	Ms. EMILY VERITY	**Ref No.**	:	38574
DOB	:		**Sample No.**	:	2312322222
Age / Gender	:	26 Y / Female	**Collected**	:	09/12/2023 10:00
Referred by	:	Peshawar Medical Center LLC	**Registered**	:	09/12/2023 18:15
Centre	:	Peshawar Medical Center LLC	**Reported**	:	09/12/2023 21:56

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
C-REACTIVE PROTEIN (CRP)	1.3		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: 10/12/2023 09:56

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	12.4		g/dL	12 - 15.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	4.1		10^6/µL	3.9 - 5	Electrical Impedance
HEMATOCRIT	35.8		%	35 - 45	Calculation
MCV	87.5		fL	82 - 98	Calculation
MCH	30.3		pg	27 - 32	Calculation
MCHC	34.7		g/dL	32 - 37	Calculation
RDW	12.1		%	11.9 - 15.5	Calculation
RDW-SD	37.6		fL		Calculation
MPV	7.2	L	fL	7.6 - 10.8	Calculation
PLATELET COUNT	330		10^3/µL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	15.9		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC)^	0.5		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT^	0.04		10^3/uL		Calculation
EARLY GRANULOCYTE COUNT (EGC)^	0.0		%		Flow Cytometry
ABSOLUTE EGC^	0.0		10^3/uL		Calculation
WBC COUNT	8.9		10^3/µL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	58		%	40 - 75	Flow Cytometry
LYMPHOCYTES	33		%	30 - 60	Flow Cytometry
EOSINOPHILS	2		%	0 - 6	Flow Cytometry
MONOCYTES	6		%	1 - 6	Flow Cytometry
BASOPHILS	1		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	5.2		10^3/uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.8		10^3/uL	1.2 - 6.6	Calculation
ABSOLUTE MONOCYTE COUNT	0.6		10^3/uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.1		10^3/uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.1		10^3/uL	0 - 0.11	Calculation

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MIDHUN MANIKANDAN GEETHA
Laboratory Technologist
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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)	4		mm/hr	< 20Please 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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