

Laboratory Investigation Report

BML314864

Name	: Mr. ASHOUD ARTEN KHANO KHANOYAN	Ref No.	: 39016
DOB	: 27/06/1997	Sample No.	: 2312319116
Age / Gender	: 26 Y / Male	Collected	: 04/12/2023 12:00
Referred by	: Dr. Enomen Goodluck Ekata	Registered	: 04/12/2023 19:04
Centre	: Peshawar Medical Center LLC	Reported	: 04/12/2023 21:33

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
CK-MB	55	CH	U/L	< 24	IFCC; Kinetic

Comments : Note: Rechecked. Please correlate clinically and with other diagnostic tests.

Interpretation Notes :

Increased level seen in damage to the myocardium, such as myocarditis, some instances of cardiomyopathy and with extensive rhabdomyolysis, Duchenne muscular dystrophy, malignant hyperthermia, polymyositis, dermatomyositis, mixed connective tissue disease, myoglobinemia, Rocky Mountain spotted fever, Reye syndrome, and rarely in rheumatoid arthritis with high titer RF.

CREATINE KINASE (CK)	6740	CH	U/L	< 190	CK-NAC (IFCC) 37°C
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Comments : Rechecked. Please correlate clinically.

Interpretation Notes :

Increased level is seen in myxedema (hypothyroidism), malignant hyperthermia syndrome, and muscular dystrophy. CK is increased in female carriers of this X-linked disease, and in muscular stress, in polymyositis, dermatomyositis, and with muscle trauma, myocarditis. Extremely high values are seen in some instances of myositis and in the postictal state, eosinophilia-myalgia syndrome.

Sample Type : Serum

End of Report

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

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

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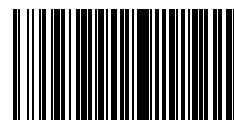

HARSHAD MANIKANDAN
Laboratory Technician

Printed on: 05/12/2023 09:44

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	14.2		g/dL	13.5 - 17.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	5.7		10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	42.8		%	38 - 50	Calculation
MCV	74.8	L	fL	82 - 98	Calculation
MCH	24.8	L	pg	27 - 32	Calculation
MCHC	33.1		g/dL	32 - 37	Calculation
RDW	14.4		%	11.8 - 15.6	Calculation
RDW-SD	38.5		fL		Calculation
MPV	9		fL	7.6 - 10.8	Calculation
PLATELET COUNT	242		10 ³ /μL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	17.3		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	0.7		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT [^]	0.07		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	1		%		Flow Cytometry
ABSOLUTE EGC [^]	0.1		10 ³ /uL		Calculation
WBC COUNT	10.4		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	64		%	40 - 75	Flow Cytometry
LYMPHOCYTES	31		%	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	6.6		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.7		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	0.1		10 ³ /uL	0 - 0.11	Calculation

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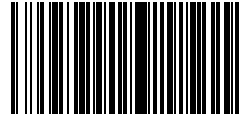
Haleem

HALEEM HAKKIM
Laboratory Technician

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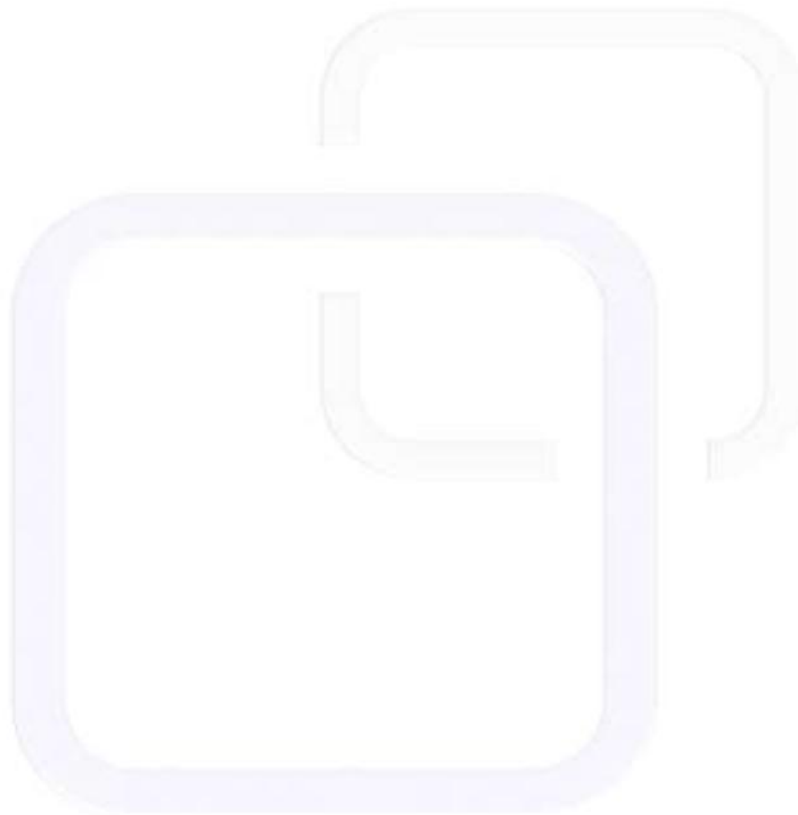
Test	Result	Flag	Unit	Reference Range	Methodology
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COMPLETE BLOOD COUNT (CBC)

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

Sample Type : EDTA Whole Blood

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