

Laboratory Investigation Report

BML282117

Name	: Mr. JOSE	Ref No.	: 39263
DOB	: 19/03/1977	Sample No.	: 2310285671
Age / Gender	: 46 Y / Male	Collected	: 10/10/2023 15:59
Referred by	: DR. RESHMI	Registered	: 10/10/2023 15:58
Centre	: Peshawar Medical Center LLC	Reported	: 10/10/2023 18:04

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
GLUCOSE (RANDOM)	129		mg/dL	< 200	Hexokinase

Sample Type : Fluoride Plasma

End of Report



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

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

Haleem

HALEEM HAKKIM
Laboratory Technician

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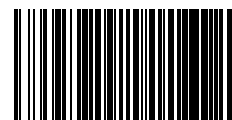
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BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
GLYCATED HEMOGLOBIN (HbA1C) ^					
HbA1C	8.4	H	%	Non- diabetic: 4.0 - 5.6 Prediabetes (Increased risk): 5.7 - 6.4 Diabetes: = or > 6.5	Capillary electrophoresis
eAG (estimated Average Glucose)	194		mg/dL	-	Calculation

Interpretation Notes :

HbA1c Therapeutic goals for glycemic control (ADA)

Adults:

- Goal of therapy: < 7.0 %
- Action suggested: > 8.0 %

Pediatric patients:

- Toddlers and preschoolers: < 8.5 % (but > 7.5 %)
- School age (6-12 years): < 8.0 %
- Adolescents and young adults (13-19 years): < 7.5 %

Sample Type : **EDTA Whole Blood**

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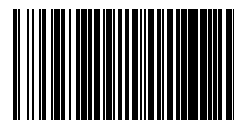
MIDHUN MANIKANDAN GEETHA
Laboratory Technologist

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CLINICAL PATHOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
URINE ANALYSIS (ROUTINE)					
MACROSCOPIC EXAMINATION					
COLOR	YELLOW			Pale to Dark Yellow	Visual
APPEARANCE	CLEAR			-	Visual
CHEMISTRY EXAMINATION					
SPECIFIC GRAVITY	1.02			1.002 - 1.035	Bromothymol blue
PH	5.5			4.5 - 8.0	Litmus paper
GLUCOSE	NEGATIVE			Negative	GOD / POD
BLOOD	NEGATIVE			Negative	Peroxidase
PROTEIN	NEGATIVE			Negative	Protein error of pH indicator
LEUKOCYTE ESTERASE	NEGATIVE			Negative	Esterase
UROBILINOGEN	0.2		E.U./dL	0.2 - 1.0	Diazo
BILIRUBIN	NEGATIVE			Negative	Diazo
KETONE	NEGATIVE			Negative	Legal's test
NITRITE	NEGATIVE			Negative	Griess test
MICROSCOPIC EXAMINATION					
LEUCOCYTES	0 - 1		/HPF	1 - 4	Microscopy
ERYTHROCYTES	0 - 1		/HPF	0 - 2	Microscopy
EPITHELIAL CELLS	0 - 1		/HPF	Variable	Microscopy
BACTERIA	ABSENT		/HPF	Absent	Microscopy
CASTS	ABSENT		/HPF	Absent	Microscopy
CRYSTALS	ABSENT		/HPF	Absent	Microscopy
MUCUS THREADS	+		/HPF	-	Microscopy
OVA	ABSENT		/HPF	Absent	Microscopy and Micrometry

Interpretation Notes :

Instrumentation used for Chemistry test: Siemens Clinitek Advantus.

Sample Type : URINE

End of Report

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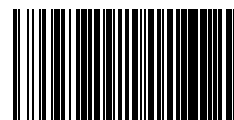
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MURSHIDHA MURINGAKODAN
Laboratory Technologist
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Centre : Peshawar Medical Center LLC

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Sample No. : 2310285671
Collected : 10/10/2023 15:59
Registered : 10/10/2023 15:58
Reported : 10/10/2023 18:02

HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	17.3		g/dL	13.5 - 17.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	6	H	10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	50.8	H	%	38 - 50	Calculation
MCV	85.2		fL	82 - 98	Calculation
MCH	29.1		pg	27 - 32	Calculation
MCHC	34.1		g/dL	32 - 37	Calculation
RDW	13.1		%	11.8 - 15.6	Calculation
RDW-SD	39.4		fL		Calculation
MPV	8.6		fL	7.6 - 10.8	Calculation
PLATELET COUNT	246		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) [^]	0.2		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT [^]	0.02		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	0.5		%		Flow Cytometry
ABSOLUTE EGC [^]	0.1		10 ³ /uL		Calculation
WBC COUNT	9.6		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	42		%	40 - 75	Flow Cytometry
LYMPHOCYTES	47	H	%	20 - 45	Flow Cytometry
EOSINOPHILS	4		%	0 - 6	Flow Cytometry
MONOCYTES	6		%	1 - 6	Flow Cytometry
BASOPHILS	1		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	4		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	4.5		10 ³ /uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.6		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.3		10 ³ /uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.1		10 ³ /uL	0 - 0.11	Calculation

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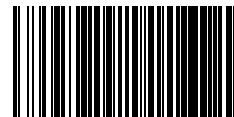
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HEMATOLOGY

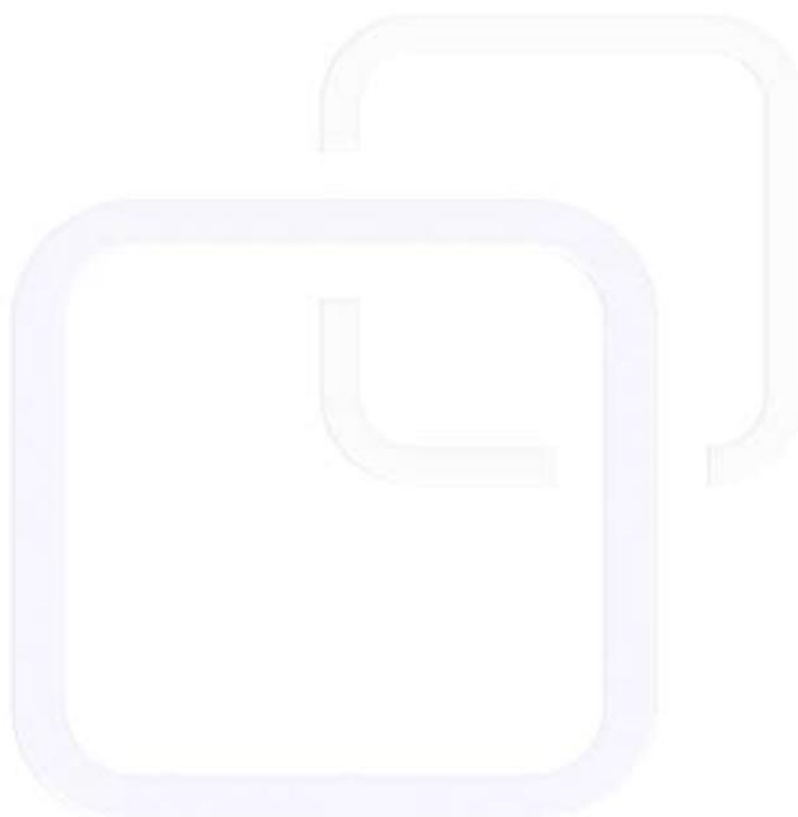
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COMPLETE BLOOD COUNT (CBC)

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

Sample Type : EDTA Whole Blood

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