

BML471473

Laboratory Investigation Report

Name : Mr. ZAHEER AHMAD BABAR
DOB : 04/12/1984
Age / Gender : 39 Y / Male
Referred by : Dr.Ahsan Hussain
Centre : CITICARE MEDICAL CENTER

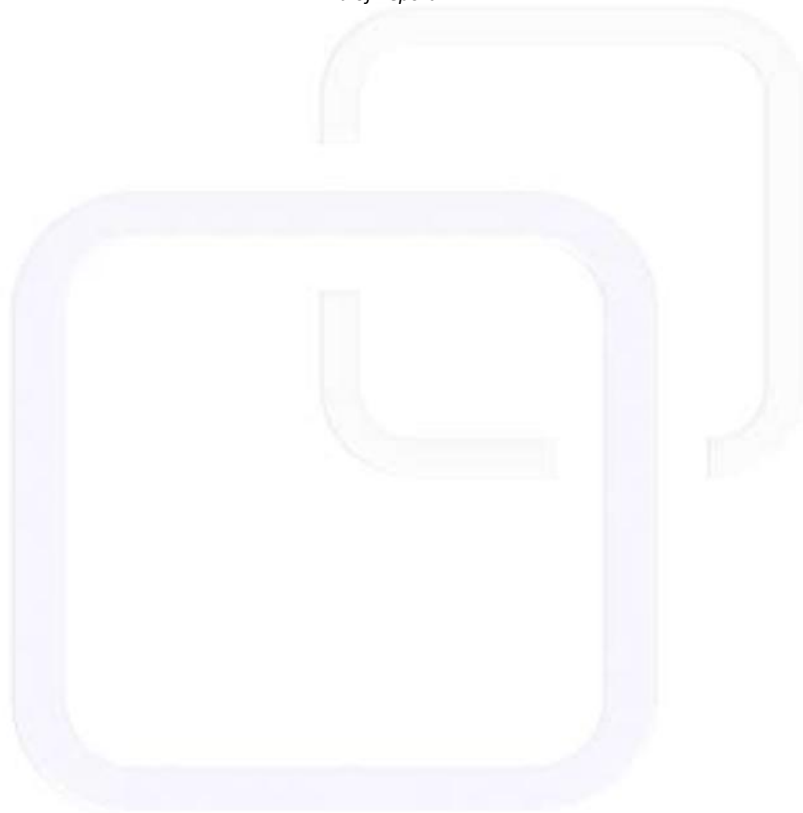
Ref No. : 44339
Sample No. : 2409481930
Collected : 28/09/2024 14:40
Registered : 29/09/2024 12:54
Reported : 29/09/2024 15:31

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
GLUCOSE (RANDOM)	153		mg/dL	< 200 Please note change. Source: The American Diabetes Association (ADA)	Hexokinase

Sample Type : Fluoride Plasma

End of Report



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

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

Greeshma P Sidharthan
Greeshma P Sidharthan

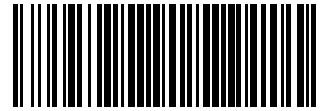
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BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
GLYCATED HEMOGLOBIN (HbA1C) ^					
HBA1C	4.9		%	Non- diabetic: 4.0 - 5.6 Prediabetes (Increased risk): 5.7 - 6.4 Diabetes: = or > 6.5	Capillary electrophoresis
eAG (estimated Average Glucose)	94		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

End of Report

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Thahsina
Thahsina Anees

Laboratory Technologist

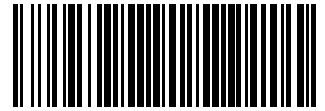
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BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
LIPID PROFILE TEST					
CHOLESTEROL (TOTAL)	178		mg/dl	Desirable: < 200 Borderline High: 200 - 239 High: = 240 Please note change. Source: Roche IFU.	Enzymatic colorimetric assay
HDL CHOLESTEROL	26	L	mg/dl	40 - 60 Please note change. Source: Roche IFU.	Homogeneous enzymatic colorimetric assay
LDL CHOLESTEROL DIRECT	99		mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: = 190 Please note change. Source: Roche IFU.	Homogeneous enzymatic colorimetric assay
VLDL CHOLESTEROL	86	H	mg/dL	< 30	Calculation
NON-HDL CHOLESTEROL	185	H	mg/dL	< 140	Calculation
TRIGLYCERIDES	428	H	mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 500 Source: Roche IFU.	Enzymatic colorimetric assay
TOTAL CHOLESTEROL / HDL RATIO	6.8	H		< 4.5	Calculation
LDL / HDL RATIO	3.8	H		< 3.5	Calculation

Sample Type : Serum

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Pathologist

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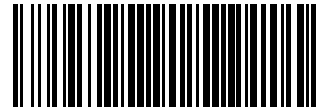
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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	14.9		g/dL	13.5 - 17.5	Photometric
RBC COUNT	5.3		10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	43.8		%	38 - 50	Calculation
MCV	83		fL	82 - 98	Calculation
MCH	28.3		pg	27 - 32	Calculation
MCHC	34.1		g/dL	32 - 37	Calculation
RDW	12.5		%	11.8 - 15.6	Calculation
RDW-SD	36.8		fL		Calculation
MPV	7.5	L	fL	7.6 - 10.8	Calculation
PLATELET COUNT	384		10 ³ /uL	150 - 450	Electrical Impedance
PCT	0.3		%	0.01 - 9.99	Calculation
PDW	16.5		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	0.2		/100 WBC		VCS 360 Technology
ABSOLUTE NRBC COUNT [^]	0.02		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	0.3		%		VCS 360 Technology
ABSOLUTE EGC [^]	0.0		10 ³ /uL		Calculation
WBC COUNT	8.0		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	48		%	40 - 75	VCS 360 Technology
LYMPHOCYTES	38		%	20 - 45	VCS 360 Technology
EOSINOPHILS	9	H	%	0 - 6	VCS 360 Technology
MONOCYTES	5		%	1 - 6	VCS 360 Technology
BASOPHILS	0		%	0 - 1	VCS 360 Technology
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	3.9		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	3.0		10 ³ /uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.4		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.7	H	10 ³ /uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.0		10 ³ /uL	0 - 0.11	Calculation

Comments : Please correlate clinically.

Vyoma V. Shah

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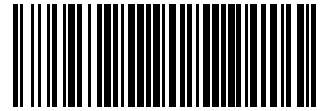
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HEMATOLOGY

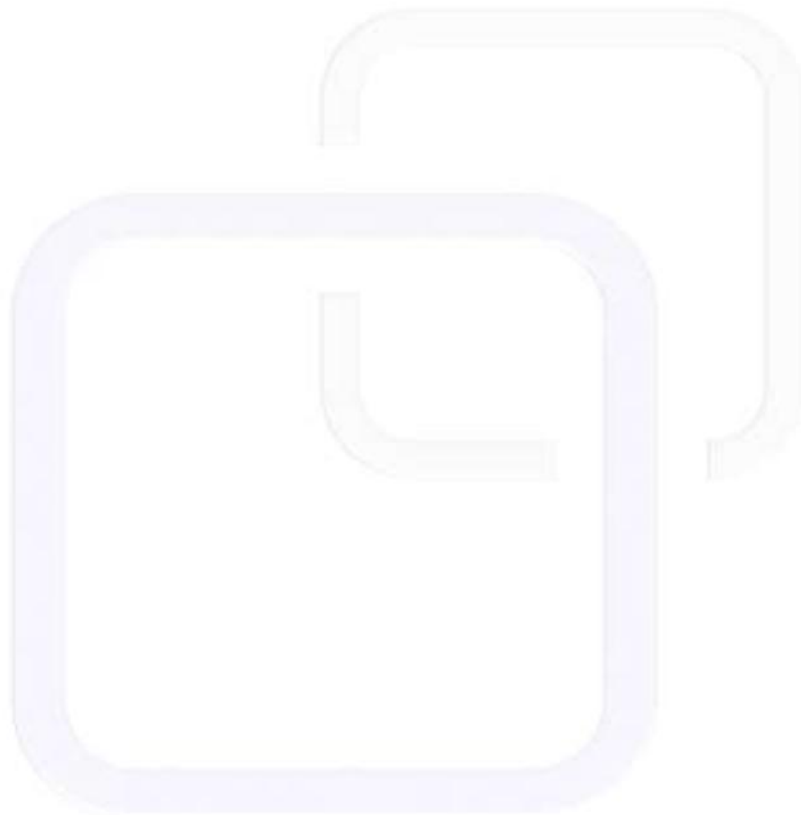
Test	Result	Flag	Unit	Reference Range	Methodology
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COMPLETE BLOOD COUNT (CBC)

INTERPRETATION NOTES : Please note update on CBC report format, reference ranges and method(Beckman Coulter).

Sample Type : EDTA Whole Blood

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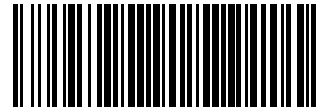
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ENDOCRINOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
THYROID STIMULATING HORMONE (TSH)	70.3	H	uIU/mL	0.27 - 4.2	ECLIA
Comments : Please correlate clinically.					
TRIIODOTHYRONINE, FREE (FT3)	4.0	L	pmol/L	4.09 - 6.65	ECLIA
				Please note change in method and reference range.	
				Source: Roche IFU.	

Comments : Please correlate clinically.

Sample Type : Serum

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