

LABORATORY REPORT

Name	: MUHAMMAD BAHIR	File. No.	: AAL02-382130
DOB/Gender	: 16-06-1990 (33 Yrs 8 Month 25 Days/Male)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22240720388	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 12-03-2024 22:09	Clinic File No	: 41250
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.77 ^H	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	15.7	g/dl	13.0 - 17.0	Photometry-SLS
HCT	47.3	%	40.0 - 50.0	Hydrodynamic focusing (HF)
MCV	82.0 ^L	fl	83.0 - 101.0	Calculation
MCH	27.2	pg	27-32	Calculation
MCHC	33.2	g/dL	31.5 - 34.5	Calculation
Platelet Count	307	10 ³ /uL	150 - 400	HF (DCD)
WBC	11.58 ^H	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	75.8	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	16.1 ^L	%	20.0 - 40.0	Flow Cytometry
Monocytes	7.0	%	2.0-10.0	Flow Cytometry
Eosinophils	0.8 ^L	%	1 - 6	Flow Cytometry
Basophils	0.3	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	8.77 ^H	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	1.87	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.81	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.09	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.04	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : EDTA WB

These tests are accredited under ISO 15189:2012 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 12-03-2024 20:00:00
Authenticated On : 13-03-2024 00:10:54
Printed On : 13-03-2024 19:38:50

Received On : 12-03-2024 22:09:00
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Esmeralda Obenita
Lab Incharge
DHA/LS/2992011/
241430

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
HbA1c (Glycosylated Hb)	5.82^H	%	Normal: =< 5.6 High risk/prediabetes: 5.7-6.4 Diabetes: =>6.5	TINIA(turbidimetric inhibition immunoassay)

In the absence of unequivocal hyperglycemia, result should be confirmed by repeat testing. Diabetic patients with HbA1c less than 7% meets the therapeutic goals of the American Diabetes Association (ADA 2010). Please note Reference Range Reviewed w.ef 15/10/23 .

Remarks:

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Sample Type : EDTA WB

Glucose (Fasting)	88.10	mg/dL	70 - 100	HK/G-6-PDH
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Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Fluoride Plasma

C-Reactive Protein (CRP)	23.70^H	mg/L	Negative < or = to 5.0	Immunoturbidimetric Assay
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CRP is an acute phase protein whose concentration rises non -specifically in response to inflammation. CRP values should not be interpreted without a complete clinical evaluation. Follow-up testing of patients with elevated values is recommended in order to help rule out a recent response to undetected infection or tissue injury. Please note Reference Range Reviewed w.ef 15/10/23

Uric Acid	7.39^H	mg/dL	3.40-7.00	Uricase
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Please note Reference Range Reviewed w.ef 15/10/23

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Sample Type : Serum

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LIVER FUNCTION TEST CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Bilirubin - Total	0.71	mg/dL	0.20-1.20	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Bilirubin - Direct	0.37	mg/dL	0.00-0.5	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Alanine Aminotransferase (ALT / GPT)	70.50 ^H	U/L	10.0 - 50.0	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Aspartate Aminotransferase(AST / GOT)	28.90	U/L	10 - 50	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Alkaline Phosphatase	117.00	U/L	40-129	Colorimetric -P-NPT
Please note Reference Range Reviewed w.ef 15/10/23				
Gamma Glutamyl Transferase (GGT)	32.40	U/L	<60	Enzymatic-GG 3C4Nitro AN
Please note Reference Range Reviewed w.ef 15/10/23				
Protein - Total	7.52	g/dL	6.40 - 8.30	Colorimetric - Biuret
Please note Reference Range Reviewed w.ef 15/10/23.				
Albumin	4.48	g/dL	3.97 - 4.94	Colorimetric - BCG
Please note Reference Range Reviewed w.ef 15/10/23				
*Globulin (serum)	3.04	g/dL	2.50 - 3.50	Calculation
**Albumin/Globulin Ratio	1.47	Ratio	1.10 - 2.50	Calculation

Remarks:

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol	144.00	mg/dL	Desirable: < 200 Borderline: 200 -239 High: >or =240	Enzymatic- Cholesterol esterase
Please note Reference Range Reviewed w.ef 15/10/23				
Triglycerides	97.70	mg/dL	NCEP Adult Treatment Panel Normal: <150 Borderline: 150 - 199 High: 200-499 Very High: >or =500	Enzymatic GPO
Please note Reference Range Reviewed w.ef 15/10/23				
HDL Cholesterol	46.40	mg/dL	Major Risk: < 40	Homogeneous enzymatic-CHER & CHOD
Please note Reference Range Reviewed w.ef 15/10/23				
LDL Cholesterol	88.40	mg/dL	Optimal: < 100 Near or above optimal: 100-129 Borderline High: 130 - 159 High: 160-189 Very High: >or=190	Homo. Enz, Liq. Selective Surfactant
Please note Reference Range Reviewed w.ef 15/10/23				
**VLDL	9.20	mg/dL	5.0 - 30.0	Calculation
**Cholesterol / HDL	3.10	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: >6	Calculation

Sample Type : Serum

----- End Of Report -----

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