LABORATORY REPORT

Name	: **APRIL ROSE CABATO**	File. No.	: **AAL02-359615**
DOB/Gender	: **24-04-1986 (37 Yrs 6 Month 25 Days/Female)**	Referral Doctor	: **Dr. Enomen Goodluck Ekata**
Lab No.	: **22233220108**	Referral Clinic	: **Peshawar(Irham Medical Center)**
Request Date	: **18-11-2023 14:04**	Clinic File No	: **41503**
Insurance	: **No**		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL				
RBC	**4.89** H	10^12/L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	13.6	g/dl	12.0 - 15.0	Photometry-SLS
HCT	41.4	%	36.0 - 46.0	Hydrodynamic focusing
MCV	84.7	fl	83.0 - 101.0	Calculation
MCH	27.8	pg	27-32	Calculation
MCHC	32.9	g/dL	31.5 - 34.5	Calculation
Platelet Count	335	10^3/uL	150-400	Hydrodynamic Focusing(DCD)
WBC	**10.92** H	10^3/uL	4.00 - 10.00	Flow Cytometry
DIFFERENTIAL COUNT (%)				
Neutrophils	54.2	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	34.8	%	20.0 - 40.0	Flow Cytometry
Monocytes	8.1	%	2-10	Flow Cytometry
Eosinophils	2.4	%	1 - 6	Flow Cytometry
Basophils	0.5	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
DIFFERENTIAL COUNT (ABSOLUTE)				
Neutrophils (Absolute)	5.93	10^3/uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	**3.80** H	10^3/uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.88	10^3/uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.26	10^3/uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.05	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.

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

H/L Collected On : 18-11-2023 12:00:00
Authenticated On : 18-11-2023 15:48:34
Printed On : 18-11-2023 16:40:57
Received On : 18-11-2023 14:06:00
Released On : 18-11-2023 15:54:13
Reprinted On : 18-11-2023 17:54:07

Padmapriya Kumareshan
Sr. Technician
DHA/LS2992011/243822

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Test Name	Result	Units	Ref. Range	Method
ERYTHROCYTE SEDIMENTATION RATE (ESR)				
ESR (whole blood)	**16** H	mmhr	up to 15	Modified Westergren

Remarks:
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Sample Type : EDTA WB

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
****Calcium**	9.34	mg/dL	8.6 - 10.0	NM-BAPTA
Please note Reference Range Reviewed w.ef 15/10/23				
CRP - quant (serum)	2.33	mg/L	< 5.0	Immunoturbidimetric
CK - MB (serum)	0.3	ng/mL	0.0 - 3.1	CMIA
****Creatine Kinase(CPK / CK)**	70.10	U/L	20 - 180	IFCC-UV Test
Kindly note that CPK test is sensitive to muscle stress & exercise as well as patient's resting time prior to sample collection. Therefore, elevated levels of CPK to be interpreted in the light of clinical history & to be investigated further if necessary.Please note Reference Range Reviewed w.ef 15/10/23				
Creatinine (serum)	0.70	mg/dL	0.5 - 1.0	Alkaline Picrate
Kindly note that the reference range is effective from 17-01-2023.				
***25-OH Vitamin D Total**	**19.00** L	ng/mL	Deficiency: < 10 Insufficiency: 10-30 Sufficiency: 30-50 Optimal: 50-100 Excess: >100 Toxicity: >150	CMIA

Conversion Formula: (Concentration in ng/mL) x (2.5) = nmol/L.

Vitamin D3 and Vitamin D2 are the most abundant forms of Vitamin D in the body. Vitamin D3 is synthesized in the skin from 7-dehydrocholesterol in response to sunlight. The best nutrition sources of D3 are oily fish primary salmon and mackerel. Vitamin D2' nutrition sources are from some vegetables, yeast and fungi. The vegetarian diet is abundant in Vitamin D2.

Vitamin D (D3, D2 and metabolites) is converted to 25-hydroxyvitamin D in the liver. The measurement of 25-OH vitamin D concentration in the serum or plasma is the best indicator of vitamin D nutritional status.

Vitamin D deficiency is commonly treated with vitamin D2 or D3 medications. Fortified foods and nutrition supplements may contain either form. Please note Reference Range Reviewed w.ef 15/10/23 .

Remarks:

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Sample Type : Serum

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

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DHA/LS/248469

H/L Collected On : 18-11-2023 12:00:00 Received On : 18-11-2023 15:52:00
Authenticated On : 18-11-2023 16:40:56 Released On : 18-11-2023 16:56:14
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Padmapriya Kumareshan
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DHA/LS2992011/243822