LABORATORY REPORT

Name	: **SARHRANI ASSIA**	File. No.	: **AAL02-316468**
DOB/Gender	: **11-07-1992 (30 Yrs 10 Month 25 Days/Female)**	Referral Doctor	: **Self**
Lab No.	: **22231560186**	Referral Clinic	: **Peshawar(Irham Medical Center)**
Request Date	: **05-06-2023 12:52:26**	Clinic File No	: **39524**
Insurance	: **No**		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL				
RBC	4.32	10^12/L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	12.2	g/dl	12.0 - 15.0	Photometry-SLS
HCT	37.3	%	36.0 - 46.0	Hydrodynamic focusing
MCV	86.3	fl	83.0 - 101.0	Calculation
MCH	28.2	pg	27-32	Calculation
MCHC	32.7	g/dL	31.5 - 34.5	Calculation
Platelet Count	310	10^3/uL	150-400	Hydrodynamic Focusing(DCD)
WBC	**11.73** H	10^3/uL	4.00 - 10.00	Flow Cytometry
DIFFERENTIAL COUNT (%)				
Neutrophils	64.7	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	26.3	%	20.0 - 40.0	Flow Cytometry
Monocytes	5.8	%	2-10	Flow Cytometry
Eosinophils	2.4	%	1 - 6	Flow Cytometry
Basophils	0.8	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
DIFFERENTIAL COUNT (ABSOLUTE)				
Neutrophils (Absolute)	**7.60** H	10^3/uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	**3.08** H	10^3/uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.68	10^3/uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.28	10^3/uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.09	10^3/uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10^3/uL	< 0.66	Calculation

Remarks:

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 : 05-06-2023 11:00:00 Received On : 05-06-2023 12:54:00
Authenticated On : 05-06-2023 16:29:58 Released On : 05-06-2023 17:14:38

Padmapriya Kumareshan
Sr. Technician
DHA/LS2992011/243822

LABORATORY REPORT

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Insurance	: **No**		

Test Name	Result	Units	Ref. Range	Method

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

Sample Type : EDTA WB

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Calcium (serum)	9.5	mg/dL	8.4 - 10.2	Arsenazo III
Ferritin (serum)	78.6	ng/mL	10.0 - 120.0	CMIA
Iron (serum)	52.7	ug/dL	50.0 - 170.0	Ferene
Zinc (serum)	**57.7** L	ug/dL	60 - 120	Photometric

Kindly note new reference range for Zinc effective from 23/1/2016

Remarks:

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

25-OH Vitamin D Total	**21.40** L	ng/mL	Deficiency: < 10 Insufficiency: 10-30 Sufficiency: 30-50 Optimal: 50-100 Excess: >100 Toxicity: >150	CMIA

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

Sample Type : Serum

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

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