

LABORATORY REPORT

Name	: MUHAMMAD HAMDAN	File. No.	: AAL02-339959
DOB/Gender	: 13-09-2022 (11 Month 19 Days/Male)	Referral Doctor	: Dr. Mohammadmahdi Ghodstehrani
Lab No.	: 22232430393	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 31-08-2023 20:32	Clinic File No	: 40818
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.09	10 ¹² /L	3.90 - 5.10	Hydrodynamic focusing (DC Detection)
Haemoglobin	8.6 ^L	g/dl	11.1 - 14.1	Photometry-SLS
HCT	30.0	%	30.0 - 38.0	Hydrodynamic focusing
MCV	58.9 ^L	fl	72.0 - 84.0	Calculation
MCH	16.9 ^L	pg	25.0 - 29.0	Calculation
MCHC	28.7 ^L	g/dL	32.0 - 36.0	Calculation
Platelet Count	455	10 ³ /uL	200 - 550	Hydrodynamic Focusing(DCD)
WBC	12.92	10 ³ /uL	6.00 - 16.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	15.1	%	9.1 - 64.0	Flow Cytometry
Lymphocytes	78.1 ^H	%	40.0 - 75.0	Flow Cytometry
Monocytes	5.3	%	2.0 - 9.0	Flow Cytometry
Eosinophils	1.1	%	0.9 - 9.0	Flow Cytometry
Basophils	0.4	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	1.95	10 ³ /uL	1.00 - 7.00	Calculation
Lymphocytes (Absolute)	10.09	10 ³ /uL	3.50 - 11.00	Calculation
Monocytes (Absolute)	0.69	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.14	10 ³ /uL	0.10 - 1.00	Calculation
Basophils (Absolute)	0.05	10 ³ /uL	< 0.15	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.9	Calculation

Remarks:

Recommended to do peripheral smear, iron studies and thalassemia screening. 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 : 30-08-2023 11:00:00
Authenticated On : 31-08-2023 23:42:43
Printed On : 01-09-2023 11:41:50

Received On : 31-08-2023 20:33:00
Released On : 31-08-2023 23:58:09
Reprinted On : 01-09-2023 11:42:14

Pring

Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

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Lab No.	: 22232430393	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 31-08-2023 20:32	Clinic File No	: 40818
Insurance	: No		

Test Name	Result	Units	Ref. Range	Method
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Sample Type : EDTA WB

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Ferritin (serum)	2.0 ^L	ng/mL	7.0 - 140.0	CMIA
25-OH Vitamin D Total	11.30 ^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

Remarks:

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

Sample Type : Serum

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

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