

DEPARTMENT OF LABORATORY MEDICINE

Name	: Samina Abdul Sheikh	Ordered On	: 19/05/2023 12:14
Age/Gender	: 47Y 6M 25D/Female	Collected On	: 19/05/2023 12:23
MPI	: 1001564359/	Received On	: 19/05/2023 13:03
Referred By	: Dr.Sreekumar Sreedharan	Reported On	: 19/05/2023 15:23
Referring Org	: ASTER UNION MEDICAL CENTRE-KARAMA	Reporting Org	: ASTER MEDINOVA DIAGNOSTIC CENTRE

HAEMATOLOGY					
Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
CBC - Complete Blood Count					
<i>Sample : Whole Blood EDTA</i>					
RBC	4.06 L	4.1 - 5.1	10 ⁶ / uL		Hydrodynamically focussed DC detection method
Haemoglobin	11.40 L	12.5 - 15	g/dL		SLS Method
Hematocrit	34.7 L	36 - 46	%		RBC pulse height detection method
MCV	85.5	80 - 101	fL		Cell Count computation
MCH	28.1	27 - 32	Pg		Cell Count computation
MCHC	32.9	31.5 - 34.5	g/dL		Cell Count computation
Red Cell Distribution Width	12.3	11.6 - 14	%		Cell Count computation
Total WBC Count	7.31	4 - 10	10 ⁹ /L		Flow Cytometry
Neutrophils	63	40 - 75	%		Flow Cytometry
Lymphocytes	28.2	20 - 40	%		Flow Cytometry
Eosinophils	2.1	1 - 6	%		Flow Cytometry
Monocytes	5.9	2 - 10	%		Flow Cytometry
Basophils	0.4	< 2	%		Flow Cytometry
Absolute Count					
Absolute Neutrophil Count (ANC)	4.64	2 - 7	10 ⁹ /L		Flow Cytometry
Absolute Lymphocyte Count (ALC)	2.06	1 - 3	10 ⁹ /L		Flow Cytometry
Absolute Eosinophil Count (AEC)	0.15	0.02 - 0.5	10 ⁹ /L		Flow Cytometry
Absolute Basophil Count (ABC)	0.03	0.02 - 0.1	10 ⁹ /uL		Flow Cytometry
Absolute Monocyte Count (AMC)	0.43	0.2 - 1	10 ⁹ /L		Flow Cytometry
Platelet	284	150 - 410	10 ³ /uL		Flow Cytometry

Entered By:

Reviewed By:
Shajith Kuniyil
Sr Biochemistry
Technologist

Released By:
Dr. Bhavana Sunil Trivedi
Pathologist

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Mean Platelet Volume	9.40	7.6 - 10.8	fL		Cell Count computation
Value out of reference range should be confirmed (if clinically indicated) by repeating the test with a fresh sample. Low cell count or platelet count may be sample related (clot/lyse), suggested repeat fresh citrate and EDTA sample for confirmation. **Kindly note that Absolute counts are the preferred mode of evaluation of CBC data.					
--- END OF HAEMATOLOGY---					

--- End of Report ---

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Age/Gender	: 47Y 6M 25D/Female	Collected On	: 19/05/2023 12:23
MPI	: 1001564359/	Received On	: 19/05/2023 13:07
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BIOCHEMISTRY					
Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
Random Blood Sugar	96	60-140	mg/dL	Fluoride Plasma	Enzymatic,Hexokinase
Notes: Factors such as type and time of food intake, infection, physical or psychological stress, exercise and drugs can influence the blood glucose level.					
Cholesterol - Total	190	Desirable: <200 BorderLine: 200 to 239 High: > 239	mg/dL	Serum	Enzymatic,Colorimetric Assay
Triglycerides	193 H	Normal : < 150 Borderline High : 150 - 199 High : 200 - 499 Very High : > 499	mg/dL	Serum	Glycerol Phosphate Oxidase
Notes: Meals rich in sugar, carbohydrates and fat, alcohol, obesity, poorly controlled diabetes, hypothyroidism, renal disease, inherited lipid disorders, drugs such as beta blockers, birth control pills, diuretics, steroids and tamoxifen can lead to elevated levels of triglycerides.					
SGPT (ALT)	17	10 - 35	U/L	Serum	UV absorbance - with Pyridoxal L-5-Phosphate
Iron	127	40 - 155	µg/dL	Serum	Colorimetric -Without prior Protein removal; Ferrachrome/Ferrozine

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Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
Creatinine Serum					
<i>Sample : Serum</i>					
Creatinine	0.57	0.5 - 1.2	mg/dL		Colorimetric- Jaffe
Notes: Elevated creatinine values are encountered in increased muscle mass, severe dehydration, pre - eclampsia, increased ingestion of cooked meat, consuming protein/ creatine supplements, diabetic ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin, cefazolin, ace inhibitors, angiotensin ii receptor antagonists, n - acetylcyteine , chemotherapeutic agent such as flucytosine.					
eGFR *	113	>85			Calculation
Notes: Glomerular filtration rate (GFR) is the better overall index of kidney function. Normal GFR varies according to age, sex, and body size . MDRD equation is used to estimate GFR . It is valid between age of 18 to 70 years with Chronic Kidney Disease (CKD) .					
--- END OF BIOCHEMISTRY---					

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ENDOCRINOLOGY					
Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
Thyroid Stimulating Hormone	1.920	0.27 - 4.2 Pregnancy: 1st trimester- 0.1-2.5 2nd trimester 0.2-3.0 3rd trimester: 0.3-3.0	uIU/mL	Serum	ECLIA
Notes: Increased TSH levels may be seen in hypothyroidism or after surgical thyroidectomy. Subclinical hypothyroidism shows increased TSH in presence of normal T3 and T4 values. Decreased TSH may be seen in hyperthyroidism. Falsely depressed or transiently elevated TSH may be seen in non - thyroidal illnesses.					
--- END OF ENDOCRINOLOGY---					

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