

Patient Name	مها محمد فارس	Patient ID.	 1 025061 920028
Age / Sex	6 Years / Female	Request Date	19-Jun-2025 07:47 PM
Referred By	Spectra Cure Clinic	Printed In	25-Jun-2025 01:38 PM

REPORT

Cardiac Markers

▪ Homocysteine	: 14.3	μmol/L	High	Normal: 6.0 - 9 μmol/L
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Erythrocyte Sedimentation Rate

▪ First Hour Erythrocyte Sedimentation Rate	: 20	mms	High	Normal: Up to 15 mms
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Immunoglobulins

▪ IgA (Immunoglobulin A)	: 181	mg/dL		Normal: 47 – 206 mg/dL
▪ IgE (Immunoglobulin E)	: 492.9	U/mL	High	Normal: < 90 U/ML

Iron Tests

▪ Serum Iron Total	: 0.35	μg/dL	Low	Normal: 0.65 – 1.75 μg/dL
▪ TIBC (Total Iron Binding Capacity)	: 3.4	μg/mL		Normal: 2.5 - 4.5 μg/dL
▪ Ferritin	: 30.2	ng/mL		Normal: 20 - 110 ng/mL

KIDNEY FUNCTIONS

▪ Serum Uric Acid	: 4.6	mg/dL		Normal: 2.0 - 5.0 mg/dL
▪ Serum Creatinine	: 0.63	mg/dL		Normal :< 0.8
▪ Blood Urea	: 17	mg/dL		Normal: 10 - 50 mg/dL

LIPIDS PROFILE

▪ Serum Cholesterol	: 138	mg/dL	Low	Normal: 140 - 200
▪ Serum Triglycerides	: 63	mg/dL		Normal: 40 - 140 mg/dL
▪ HDL (High-density Lipoprotein)	: 40	mg/dL	Low	Normal: 42 - 88 mg/dL
▪ LDL (Low-density Lipoprotein)	: 85.4	mg/dL		Desirable: < 130 mg/dL Borderline High Risk for CHD: 130-159 mg/dL High Risk for CHD: >160 mg/dL
▪ VLDL (Very-Low-density Lipoprotein)	: 12.6	mg/dL		Normal: Up to 50 mg/dL

LIVER FUNCTIONS

▪ ALP (Alkaline Phosphates)	: 248	U/L		Normal: 120 - 369 U/L
▪ SGPT (Alanine Aminotransferase)	: 19	U/L		Normal: Up to 35 U/L
▪ SGOT (Aspartate Aminotransferase)	: 31	U/L		Normal up to 31 U/L
▪ @GT (@-Glutamyl Transpeptidase)	: 8	U/L		Normal: 5.0 - 32.0 U/L

Parasitology

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▪ Galactomannan Ag for Aspergillus : 0.33 Index High Negative: < 0.1

SERODIAGNOSIS

▪ CRP (C-Reactive Protein by Nephelometry) : Negative 2.05 mg/dL Negative < 6.0
▪ ASOT (Anti-Streptolysin-O) : Positive 1000 IU/ml Normal: < 200

Serum Electrolytes

▪ Calcium (Ionized) : 5.1 mg/dL Normal: 4.6 - 5.3 mg/dl
▪ Na (Sodium) : 148 mmol/L High Normal: 136 - 145 mmol/L
▪ K (Potassium) : 4.7 mmol/L Normal: 3.5 - 5.1 mmol/L
▪ Mg (Magnesium) : 2.3 mg/dL Normal: 1.8 - 2.6 mg/dL

Tests For Allergy

▪ Casein IgG : 6.1 U/mL H Normal: Up to 1.0 U/mL
▪ Gluten IgG : 2.4 U/mL High Normal: Up to 1.0 U/mL

Tests For Specific Diseases

▪ Ceruloplasmin : 23 mg/dL Low Normal: 25 – 45 mg/dL

Thyroid Hormones

▪ Free T3 (Free Triiodothyronine) : 4.35 pg/mL Normal: 2.1 - 4.4 pg/mL
▪ Free T4 (Free Thyroxine) : 1.48 pg/mL Normal: 0.89 – 1.76 pg/mL
▪ TSH (Thyroid Stimulating Hormone) : 2.53 µIU/mL Normal: 0.7 - 6.4 µIU/mL

Trace Elements

▪ Copper : 138 µg/dL High Normal: 83 - 133 µg/dL
▪ Zinc : 80 µg/dL Low Normal : 100 - 150 µg/dL

Vitamins

▪ Vitamin D : 16.32 ng/mL Low
Deficiency: < 10 ng/mL
Insufficient: 10 - 30 ng/mL
Sufficient: 30 - 75 ng/mL
Toxicity >100 ng/mL

Doctor's signature:
Mahmoud Abdelkhalek
Thanks