

Patient

Haifa Saleh Al Sageer
Female - 81 Years
1037073830

Order

Reservation ID: 3323590
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 03/27/25 11:34

Collected At 03/27/25 11:34

Reported At 03/27/25 18:43

Clinical Chemistry

Glucose - Fasting

140.18 mg/dL

Reference Range :

mg/dL

Normal: 70 - 100

Prediabetes: 101 - 125

Diabetes: ≥ 126

Comment :

Method: Spectrophotometry (SP)

Sample Type: Fluoride Plasma /
Serum

Troponin I - Quantitative

0.01 ng/mL

Reference Range :

 ≤ 0.04

Comment :

Method: Chemiluminescent Immunoassay (CLIA)

Sample Type: Serum

Any Condition Resulting in myocardial injury can potentially increase cardiac troponin I levels. Troponin I results should be used in conjunction with ECG, clinical observations and symptoms. A single Troponin I result may not be sufficient to evaluate myocardial infarction (MI). Serial blood draws are recommended for evaluation of Acute Coronary Syndrome (ACS) patients.



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Creatine Kinase Isoenzyme MB (CK-MB)

7.14 U/L

Reference Range :

< 24

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Hemoglobin A1C (Glycated Hb,HbA1C)

10.59 %

Reference Range :

● Normal

< 5.7

● Prediabetes

5.7 - 6.4

● Diabetes

≥ 6.5

Comment :

Method: Turbidimetric Immunoinhibition

Sample Type: EDTA Whole Blood

Blood Urea Nitrogen (BUN)

19 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Creatinine - Serum

0.57 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

4.06 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Sodium (Na)

140.12 mmol/L

Reference Range :

136 - 146

Comment :

Method: Ion-selective electrodes (ISE) - crown ether
membrane

Sample Type: Serum



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Potassium (K)

4.14 mmol/L

Reference Range :

3.5 - 5.1

Comment :

Method: Ion-selective electrodes (ISE) - Crown ether
membrane

Sample Type: Serum

Ferritin

30.4 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)
Sample Type: serum

Calcium (Ca) - Total

9.24 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum



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Phosphorus (P)

3.39 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Magnesium (Mg)

1.94 mg/dL

Reference Range :

1.9 - 2.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

127.4 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum



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C-Reactive Protein (CRP), Quantitative

1.35 mg/L

Reference Range :

< 5

Comment :

Method: Latex Particle Immunoturbidimetric

Sample Type: Serum

Cholesterol - Total

73.64 mg/dL

Reference Range :

 Desirable

≤ 200

 Borderline

200 - 240

 High

≥ 240

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

High Density Lipoprotein (HDL)

35.28 mg/dL

Reference Range :

 Risk Indicator

< 40

 Standard Risk

40 - 60

 Favorable Prognosis

> 60

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Low Density Lipoprotein (LDL)

16 mg/dL

Reference Range :

- Optimal
- Near Optimal
- Borderline
- High
- Requiring treatment

<100
 100 - 129
 130 - 159
 160 - 189
 ≥ 190

Creatine Kinase (CK - Total)

57.06 U/L

Reference Range :

≤ 145

Comment :

Method: Spectrophotometry (SP)
 Sample Type: Serum

Triglycerides

112.77 mg/dL

Reference Range :

- Normal
- Borderline
- High
- Very High

< 150
 150 - 199
 200 - 499
 ≥ 500

Comment :

Method: Spectrophotometry (SP)
 Sample Type: Serum



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Alanine Aminotransferase (ALT)

33.09 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

37.33 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Total Protein - Serum

6.13 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Albumin - Serum

3.7 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.67 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Direct

0.16 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Alkaline Phosphatase (ALP)

44.75 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

24.76 U/L

Reference Range :

0 - 38

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Lactate Dehydrogenase (LDH)

150.84 U/L

Reference Range :

0 - 248

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Thyroid Stimulating Hormone (TSH)

2.06 $\mu\text{U/mL}$

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin D (25 OH Vit D Total)

42.23 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30

30 - 100

> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

198 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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N-terminal pro B-type NP (NT Pro BNP)

1264 pg/mL

Reference Range :

pg/mL

<124: Normal values for patient not
suffering of chronic heart failure.
>124: Chronic heart failure most likely.



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Test Results

Erythrocyte Sedimentation Rate (ESR)

15 mm/h

Reference Range :

≤ 20

Comment :

Method: Westergren method

Sample Type: Whole Blood



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Blood Tests

Complete Blood Count (CBC)

Test Name	Result	Normal Range	Units
WBCs	7.21	4 - 11	10 ³ /uL
Red blood cell (RBC) count	4.90	3.8 - 4.8	x10 ⁶ /uL
Hemoglobin	15.56	12 - 16	g/dL
Hematocrit (HCT)	44.6	36 - 46	%
MCV	91.0	83 - 101	fl
MCH	31.8	27 - 32	pg
MCHC	34.9	31.5 - 34.5	g/dL
RDW-CV	13.9	11.6 - 14	%
Platelets	210.7	150 - 450	10 ³ /uL

Differential count	Result	Normal Range	Units
Neutrophils%	53.11	35 - 75	%
Lymphocytes%	35.42	20 - 45	%
Monocytes%	8.45	2 - 8	%
Eosinophils%	2.82	1 - 6	%
Basophils%	0.19	0 - 1	%
Neutrophils#	3.83	2 - 7	10 ³ /uL
Lymphocytes#	2.55	1 - 3.5	10 ³ /uL
Monocytes#	0.61	0.2 - 1	10 ³ /uL
Eosinophils#	0.20	0.02 - 0.5	10 ³ /uL
Basophils#	0.01	0.01 - 0.1	10 ³ /uL

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood



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Kidney Function

Urine Analysis

Test Name	Result	Normal Range	Units
Physical Examination:			
Color	Yellow	Pale to yellow	--
Aspect	Turbid	Clear	--
Chemical Examination:			
Specific Gravity	1.015	1.005 - 1.030	--
PH	5 (Acidic)	5.0 - 9.5	--
Leukocyte	+2	Negative	--
Nitrites	Positive	Negative	--
Protein	Negative	Negative	--
Glucose	+4	Negative	--
Ketones	Negative	Negative	--
Urobilinogen	Normal	Normal	--
Bilirubin	Negative	Negative	--
Blood	Negative	Negative	--
Microscopic Examination:			
Pus Cells	>100	0-5	H.P.F
RBC'S	0-1	0-5	H.P.F
Epithelial	Few	Nil	--
Cast	Nil	Nil	--
Crystals	Nil	Nil	--
Amorphous materials	Nil	--	--
Others	Bacteria - Many	--	--

Method: Reagent Impregnated Strips/ Microscopic Examination

Sample Type: urine Sample

