



Patient

Mohamad Ahmad AlShanqiti
Male - 80 Years
1013629108

Order

Reservation ID: 4192712
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 12/15/25 13:00

Collected At 12/15/25 13:00

Reported At 12/16/25 22:25

Clinical Chemistry

Glucose - Fasting

356.13 mg/dL

Reference Range :

mg/dL

Normal: 70 - 100

Prediabetes: 101 - 125

Diabetes: ≥ 126

Comment :

Method: Spectrophotometry (SP)

Sample Type: Fluoride Plasma /
Serum

Hemoglobin A1C (Glycated Hb,HbA1C)

9.48 %

Reference Range :

● Normal

● Prediabetes

● Diabetes

< 5.7

5.7 - 6.4

≥ 6.5

Comment :

Method: Turbidimetric Immunoinhibition

Sample Type: EDTA Whole Blood





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Blood Urea Nitrogen (BUN)

26 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.76 mg/dL

Reference Range :

0.72 - 1.18

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

4.21 mg/dL

Reference Range :

3.5 - 7.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Sodium (Na)

130.82 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Test verified by repeating analysis with provided sample.

Potassium (K)

4.71 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

89 ng/mL

Reference Range :

23.9 - 336.2

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Cholesterol - Total

116.63 mg/dL

Reference Range :

● Desirable

≤ 200

● Borderline

200 - 240

● High

≥ 240

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

High Density Lipoprotein (HDL)

50.78 mg/dL

Reference Range :

● Risk Indicator

< 40

● Standard Risk

40 - 60

● Favorable Prognosis

> 60

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Low Density Lipoprotein (LDL)

43 mg/dL

Reference Range :

● Optimal

<100

● Near Optimal

100 - 129

● Borderline

130 - 159

● High

160 - 189

● Requiring treatment

≥ 190





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Triglycerides

116.1 mg/dL

Reference Range :

- Normal
- Borderline
- High
- Very High

< 150
150 - 199
200 - 499
≥ 500

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Alanine Aminotransferase (ALT)

17.56 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

16.57 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Total Protein - Serum

6.79 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

3.41 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.28 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Bilirubin - Direct

0.07 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

50.62 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Test Results

Erythrocyte Sedimentation Rate (ESR)

20 mm/h

Reference Range :

≤ 15

Comment :

Method: Westergren method

Sample Type: Whole Blood



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Approved By:

Dr. Marwa
Dr. Marwa Abdelrazek
Clinical pathologist





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Blood Tests

Complete Blood Count (CBC)

Test Name	Result	Normal Range	Units
WBCs	7.96	4 - 11	$10^3/uL$
Red blood cell (RBC) count	3.85	4.5 - 5.5	$\times 10^6/uL$
Hemoglobin	14.10	13 - 18	g/dL
Hematocrit (HCT)	38.5	40 - 50	%
MCV	99.9	83 - 101	fl
MCH	36.6	27 - 32	pg
MCHC	36.6	31.5 - 34.5	g/dL
RDW-CV	13.2	11.6 - 14	%
Platelets	123.9	150 - 450	$10^3/uL$

Differential count	Result	Normal Range	Units
Neutrophils%	57.51	35 - 75	%
Lymphocytes%	28.75	20 - 45	%
Monocytes%	7.64	2 - 8	%
Eosinophils%	5.55	1 - 6	%
Basophils%	0.55	0 - 1	%
Neutrophils#	4.58	2 - 7	$10^3/uL$
Lymphocytes#	2.29	1 - 3.5	$10^3/uL$
Monocytes#	0.61	0.2 - 1	$10^3/uL$
Eosinophils#	0.44	0.02 - 0.5	$10^3/uL$
Basophils#	0.04	0.01 - 0.1	$10^3/uL$

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood

* Mild thrombocytopenia.



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