



Patient

Mohamed Shayie AlMansour
Male - 80 Years
1054699721

Order

Reservation ID: 3753271
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 08/13/25 16:44

Collected At 08/13/25 16:44

Reported At 08/14/25 15:47

Clinical Chemistry

Glucose - Fasting

117.06 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)

6.1 %

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)

23 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.64 mg/dL

Reference Range :

0.72 - 1.18

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

4.72 mg/dL

Reference Range :

3.5 - 7.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



H. W. Al-Dawood





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Sodium (Na)

138.33 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

4.68 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

45.9 ng/mL

Reference Range :

23.9 - 336.2

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Calcium (Ca) - Total

9.46 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

3.7 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

79.6 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum



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Cholesterol - Total

109.05 mg/dL

Reference Range :

- Desirable
- Borderline
- High

≤ 200
200 - 240
≥ 240

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

High Density Lipoprotein (HDL)

23.5 mg/dL

Reference Range :

- Risk Indicator
- Standard Risk
- Favorable Prognosis

< 40
40 - 60
> 60

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

Low Density Lipoprotein (LDL)

57 mg/dL

Reference Range :

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

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





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Triglycerides

144.3 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)

9.48 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

18.01 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Total Protein - Serum

6.7 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

3.58 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.32 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Bilirubin - Direct

0.06 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

57.61 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

27.2 U/L

Reference Range :

0 - 55

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Thyroid Stimulating Hormone (TSH)

1.76 μ U/mL

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin D (25 OH Vit D Total)

31.27 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30

30 - 100

> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

170 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Clinical Chemistry

Magnesium (Mg)

1.86 mg/dL

Reference Range :

1.8 - 2.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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تقنية
سعودية



Approved By:

H. W. Al-Sayid

Consultant clinical pathology





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Test Results

Erythrocyte Sedimentation Rate (ESR)

85 mm/h

Reference Range :

≤ 15

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	8.82	4 - 11	$10^3/uL$
Red blood cell (RBC) count	4.19	4.5 - 5.5	$\times 10^6/uL$
Hemoglobin	13.55	13 - 18	g/dL
Hematocrit (HCT)	38.0	40 - 50	%
MCV	90.6	83 - 101	fl
MCH	32.3	27 - 32	pg
MCHC	35.7	31.5 - 34.5	g/dL
RDW-CV	13.3	11.6 - 14	%
Platelets	267.0	150 - 450	$10^3/uL$

Differential count	Result	Normal Range	Units
Neutrophils%	59.53	35 - 75	%
Lymphocytes%	31.63	20 - 45	%
Monocytes%	5.10	2 - 8	%
Eosinophils%	3.33	1 - 6	%
Basophils%	0.41	0 - 1	%
Neutrophils#	5.25	2 - 7	$10^3/uL$
Lymphocytes#	2.79	1 - 3.5	$10^3/uL$
Monocytes#	0.45	0.2 - 1	$10^3/uL$
Eosinophils#	0.29	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



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