



Patient

Mohamed Shaya Al Mansour
Male - 80 Years
1054699721

Order

Reservation ID: 3915539
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 09/25/25 13:31

Collected At 09/25/25 13:31

Reported At 09/25/25 15:13

Clinical Chemistry

Glucose - Fasting

93.49 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)

5.81 %

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)

17 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.52 mg/dL

Reference Range :

0.72 - 1.18

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

4.75 mg/dL

Reference Range :

3.5 - 7.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Sodium (Na)

134.99 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

4.77 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

68.5 ng/mL

Reference Range :

24 - 425

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Calcium (Ca) - Total

9.84 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

100.8 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry

(SP)

Sample Type: Serum

Cholesterol - Total

137.81 mg/dL

Reference Range :

● Desirable

● Borderline

● High

≤ 200

200 - 240

≥ 240

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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High Density Lipoprotein (HDL)

27.73 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)

82 mg/dL

Reference Range :

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

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

Triglycerides

142.06 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)

12.62 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

25.99 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Total Protein - Serum

7.17 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Albumin - Serum

3.72 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.14 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Direct

0.03 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Alkaline Phosphatase (ALP)

75.73 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

27.65 U/L

Reference Range :

0 - 55

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Thyroid Stimulating Hormone (TSH)

2.71 μ U/mL

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Vitamin D (25 OH Vit D Total)

48.1 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30
30 - 100
> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

226 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Clinical Chemistry

Magnesium (Mg)

2.5 mg/dL

Reference Range :

1.8 - 2.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Approved By:

Dr. Marwa

Dr. Marwa Abdelrazek
Clinical pathologist





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Test Results

Erythrocyte Sedimentation Rate (ESR)

35 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	8.17	4 - 11	$10^3/\mu\text{L}$
Red blood cell (RBC) count	4.45	4.5 - 5.5	$\times 10^6/\mu\text{L}$
Hemoglobin	14.41	13 - 18	g/dL
Hematocrit (HCT)	39.6	40 - 50	%
MCV	89.0	83 - 101	fL
MCH	32.4	27 - 32	pg
MCHC	36.4	31.5 - 34.5	g/dL
RDW-CV	13.7	11.6 - 14	%
Platelets	320.8	150 - 450	$10^3/\mu\text{L}$

Differential count	Result	Normal Range	Units
Neutrophils%	53.89	35 - 75	%
Lymphocytes%	37.52	20 - 45	%
Monocytes%	5.97	2 - 8	%
Eosinophils%	1.47	1 - 6	%
Basophils%	1.15	0 - 1	%
Neutrophils#	4.40	2 - 7	$10^3/\mu\text{L}$
Lymphocytes#	3.07	1 - 3.5	$10^3/\mu\text{L}$
Monocytes#	0.49	0.2 - 1	$10^3/\mu\text{L}$
Eosinophils#	0.12	0.02 - 0.5	$10^3/\mu\text{L}$
Basophils#	0.09	0.01 - 0.1	$10^3/\mu\text{L}$

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood



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