

Patient

Roqayiah Asaad Al sarh
Female - 77 Years
1001713278

Order

Reservation ID: 3493332
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 05/24/25 13:40

Collected At 05/24/25 13:40

Reported At 05/24/25 19:47

Clinical Chemistry

Glucose - Fasting

126.98 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)

7.54 %

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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Amylase

27.78 U/L

Reference Range :

22 - 80

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Blood Urea Nitrogen (BUN)

6 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.7 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Uric Acid - Serum

4.11 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Sodium (Na)

135.16 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

3.67 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum



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Ferritin

10.2 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Calcium (Ca) - Total

9.62 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

3.18 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Zinc

120 µg/dL

Reference Range :

60 - 120

Comment :

 Method: Spectrophotometry
 (SP)

Sample Type: Serum

Cholesterol - Total

121.77 mg/dL

Reference Range :

- Desirable
- Borderline
- High

≤ 200

200 - 240

≥ 240

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

High Density Lipoprotein (HDL)

61.53 mg/dL

Reference Range :

- Risk Indicator
- Standard Risk
- Favorable Prognosis

< 40

40 - 60

> 60

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Low Density Lipoprotein (LDL)

44 mg/dL

Reference Range :

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

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

Triglycerides

82.24 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)

9.7 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum



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Aspartate Amino Transferase (AST)

14.6 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Total Protein - Serum

7.33 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

3.86 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Bilirubin - Total

0.32 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Direct

0.08 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Alkaline Phosphatase (ALP)

59.76 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Gamma-Glutamyl-Transpeptidase (GGT)

18.74 U/L

Reference Range :

0 - 38

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Lipase

35.1 U/L

Reference Range :

< 67

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Thyroid Stimulating Hormone (TSH)

3.78 µU/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)

46.15 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30
30 - 100
> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

148 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Clinical Chemistry

Magnesium (Mg)

1.73 mg/dL

Reference Range :

1.9 - 2.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Test Results

Erythrocyte Sedimentation Rate (ESR)

65 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	3.85	4 - 11	$10^3/\mu\text{L}$
Red blood cell (RBC) count	4.06	3.8 - 4.8	$\times 10^6/\mu\text{L}$
Hemoglobin	11.48	12 - 16	g/dL
Hematocrit (HCT)	31.3	36 - 46	%
MCV	77.1	83 - 101	fL
MCH	28.3	27 - 32	pg
MCHC	36.7	31.5 - 34.5	g/dL
RDW-CV	15.3	11.6 - 14	%
Platelets	325.0	150 - 450	$10^3/\mu\text{L}$

Differential count	Result	Normal Range	Units
Neutrophils%	51.83	35 - 75	%
Lymphocytes%	33.71	20 - 45	%
Monocytes%	11.33	2 - 8	%
Eosinophils%	2.63	1 - 6	%
Basophils%	0.50	0 - 1	%
Neutrophils#	2.00	2 - 7	$10^3/\mu\text{L}$
Lymphocytes#	1.30	1 - 3.5	$10^3/\mu\text{L}$
Monocytes#	0.44	0.2 - 1	$10^3/\mu\text{L}$
Eosinophils#	0.10	0.02 - 0.5	$10^3/\mu\text{L}$
Basophils#	0.02	0.01 - 0.1	$10^3/\mu\text{L}$

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood

* Mild microcytic anemia and mild leukopenia.



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Kidney Function

Urine Analysis

Test Name	Result	Normal Range	Units
Physical Examination:			
Color	Transparent	Pale to yellow	--
Aspect	Clear	Clear	--
Chemical Examination:			
Specific Gravity	1.005	1.005 - 1.030	--
PH	8 (Alkaline)	5.0 - 9.5	--
Leukocyte	Negative	Negative	--
Nitrites	Negative	Negative	--
Protein	Negative	Negative	--
Glucose	Negative	Negative	--
Ketones	Negative	Negative	--
Urobilinogen	Normal	Normal	--
Bilirubin	Negative	Negative	--
Blood	Negative	Negative	--
Microscopic Examination:			
Pus Cells	0-1	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	--	--

Method: Reagent Impregnated Strips/ Microscopic Examination

Sample Type: urine Sample
