



Patient

Naema M Ebied Al Shimee
Female - 84 Years
1032913061

Order

Reservation ID: 4016103
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 10/21/25 20:30

Collected At 10/21/25 20:30

Reported At 10/22/25 14:22

Clinical Chemistry

Glucose - Fasting

262.21 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)

9.58 %

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)

89 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

* Critical result for BUN,

Clinic acknowledged immediately by phone by
Amira.

Creatinine - Serum

2.36 mg/dL

Reference Range :

0.55 - 1.02

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

9.55 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Sodium (Na)

130.27 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

6.19 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

558 ng/mL

Reference Range :

7 - 227

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Calcium (Ca) - Total

8.13 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

3.77 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

88.7 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum





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Cholesterol - Total

131.72 mg/dL

Reference Range :

- Desirable
- Borderline
- High

≤ 200
200 - 240
≥ 240

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

High Density Lipoprotein (HDL)

79.19 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)

35 mg/dL

Reference Range :

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

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





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Triglycerides

86.78 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)

5.81 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

Aspartate Amino Transferase (AST)

9.75 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum





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Total Protein - Serum

6.01 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

2.92 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.34 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Bilirubin - Direct

0.05 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

116.37 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

19.74 U/L

Reference Range :

0 - 38

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Thyroid Stimulating Hormone (TSH)

0.8 μ U/mL

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin D (25 OH Vit D Total)

52.3 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30

30 - 100

> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

300 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Clinical Chemistry

Magnesium (Mg)

1.17 mg/dL

Reference Range :

1.9 - 2.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



مختبرات الخلية المتقدمة
Advanced Cell Laboratories

+966 920013146
www.acl.com.sa
info@acl.com.sa



Approved By:

Dr. Marwa

Dr. Marwa Abdelrazek
Clinical pathologist





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Test Results

Erythrocyte Sedimentation Rate (ESR)

75 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	9.10	4 - 11	$10^3/\mu\text{L}$
Red blood cell (RBC) count	4.01	3.8 - 4.8	$\times 10^6/\mu\text{L}$
Hemoglobin	11.19	12 - 16	g/dL
Hematocrit (HCT)	33.0	36 - 46	%
MCV	82.3	83 - 101	fL
MCH	27.9	27 - 32	pg
MCHC	33.9	31.5 - 34.5	g/dL
RDW-CV	16.5	11.6 - 14	%
Platelets	323.9	150 - 450	$10^3/\mu\text{L}$

Differential count	Result	Normal Range	Units
Neutrophils%	83.09	35 - 75	%
Lymphocytes%	13.95	20 - 45	%
Monocytes%	2.56	2 - 8	%
Eosinophils%	0.15	1 - 6	%
Basophils%	0.24	0 - 1	%
Neutrophils#	7.56	2 - 7	$10^3/\mu\text{L}$
Lymphocytes#	1.27	1 - 3.5	$10^3/\mu\text{L}$
Monocytes#	0.23	0.2 - 1	$10^3/\mu\text{L}$
Eosinophils#	0.01	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 absolute neutrophilia.





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Kidney Function

Urine Analysis

Test Name	Result	Normal Range	Units
Physical Examination:			
Color	Light Yellow	Pale to yellow	--
Aspect	Turbid	Clear	--
Chemical Examination:			
Specific Gravity	1.005	1.005 - 1.030	--
PH	5 (Acidic)	5.0 - 9.5	--
Leukocyte	+3	Negative	--
Nitrites	Negative	Negative	--
Protein	+1	Negative	--
Glucose	Negative	Negative	--
Ketones	Negative	Negative	--
Urobilinogen	Normal	Normal	--
Bilirubin	Negative	Negative	--
Blood	+4	Negative	--
Microscopic Examination:			
Pus Cells	>100	0-5	H.P.F
RBC'S	7-9	0-5	H.P.F
Epithelial	Moderate	Nil	--
Cast	Nil	Nil	--
Crystals	Nil	Nil	--
Amorphous materials	Nil	--	--
Others	Bacteria - Moderate	--	--

Method: Reagent Impregnated Strips/ Microscopic Examination

Sample Type: urine Sample

Urine culture is recommended.

