



Patient

Naif AbduAziz Abuzinada
Male - 40 Years
1012112213

Order

Reservation ID: 4312653
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 01/22/26 16:21

Collected At 01/22/26 16:21

Reported At 01/24/26 10:47

Clinical Chemistry

Glucose - Fasting

140.53 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)

6.11 %

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)

16 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

1.07 mg/dL

Reference Range :

0.72 - 1.18

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

4.26 mg/dL

Reference Range :

3.5 - 7.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Sodium (Na)

137.86 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Potassium (K)

4.52 mmol/L

Reference Range :

3.5 - 5.1

Comment :

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

Sample Type: Serum

Ferritin

102 ng/mL

Reference Range :

23.9 - 336.2

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Calcium (Ca) - Total

9.47 mg/dL

Reference Range :

8.8 - 10.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Phosphorus (P)

4.11 mg/dL

Reference Range :

2.5 - 4.5

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Zinc

109.1 µg/dL

Reference Range :

60 - 120

Comment :

Method: Spectrophotometry
(SP)

Sample Type: Serum





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Cholesterol - Total

288.14 mg/dL

Reference Range :

● Desirable

≤ 200

● Borderline

200 - 240

● High

≥ 240

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

High Density Lipoprotein (HDL)

46 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)

212 mg/dL

Reference Range :

● Optimal

<100

● Near Optimal

100 - 129

● Borderline

130 - 159

● High

160 - 189

● Requiring treatment

≥ 190





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Triglycerides

152.88 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)

24.89 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Aspartate Amino Transferase (AST)

27.87 U/L

Reference Range :

< 50

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Total Protein - Serum

7.01 g/dL

Reference Range :

6.6 - 8.3

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

3.88 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.38 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Bilirubin - Direct

0.02 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

57.34 U/L

Reference Range :

30 - 120

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Gamma-Glutamyl-Transpeptidase (GGT)

13.25 U/L

Reference Range :

0 - 55

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Thyroid Stimulating Hormone (TSH)

3.31 μ U/mL

Reference Range :

0.34 - 5.6

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin D (25 OH Vit D Total)

14.6 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30

30 - 100

> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

274 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum





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Clinical Chemistry

Magnesium (Mg)

1.84 mg/dL

Reference Range :

1.8 - 2.6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum





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Test Results

Erythrocyte Sedimentation Rate (ESR)

5 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	5.00	4 - 11	$10^3/uL$
Red blood cell (RBC) count	4.91	4.5 - 5.5	$\times 10^6/uL$
Hemoglobin	14.67	13 - 18	g/dL
Hematocrit (HCT)	42.9	40 - 50	%
MCV	87.3	83 - 101	fl
MCH	29.9	27 - 32	pg
MCHC	34.2	31.5 - 34.5	g/dL
RDW-CV	13.4	11.6 - 14	%
Platelets	248.8	150 - 450	$10^3/uL$

Differential count	Result	Normal Range	Units
Neutrophils%	52.24	35 - 75	%
Lymphocytes%	39.03	20 - 45	%
Monocytes%	6.50	2 - 8	%
Eosinophils%	2.05	1 - 6	%
Basophils%	0.18	0 - 1	%
Neutrophils#	2.61	2 - 7	$10^3/uL$
Lymphocytes#	1.95	1 - 3.5	$10^3/uL$
Monocytes#	0.33	0.2 - 1	$10^3/uL$
Eosinophils#	0.10	0.02 - 0.5	$10^3/uL$
Basophils#	0.01	0.01 - 0.1	$10^3/uL$

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood





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Kidney Function

Urine Analysis

Test Name	Result	Normal Range	Units
Physical Examination:			
Color	Yellow	Pale to yellow	--
Aspect	Slightly Cloudy	Clear	--
Chemical Examination:			
Specific Gravity	1.020	1.005 - 1.030	--
PH	6 (Acidic)	5.0 - 9.5	--
Leukocyte	+1	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	7-9	0-5	H.P.F
RBC'S	1-2	0-5	H.P.F
Epithelial	Few	Nil	--
Cast	Nil	Nil	--
Crystals	Moderate	Nil	--
Crystal Types	Ca.Oxalates	--	--
Amorphous materials	Nil	--	--
Others	Bacteria - Few, Mucous Threads - Moderate	--	--

Method: Reagent Impregnated Strips/ Microscopic Examination

Sample Type: urine Sample



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

