

Patient

Monirah fahad almansour
Female - 14 Years
1154424525

Order

Reservation ID: 3220408
Branch: ACL01 - Riyadh (As
Sulimaniyah) - HQ

Referral

Client: 1170 - Baitna Home Health
Care

Registered At 02/17/25 22:05

Collected At 02/17/25 22:05

Reported At 02/18/25 13:32

Clinical Chemistry

Glucose - Fasting

88.39 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)

5.69 %

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)

14 mg/dL

Reference Range :

8 - 20

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Creatinine - Serum

0.56 mg/dL

Reference Range :

0.24 - 0.73

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Uric Acid - Serum

5.21 mg/dL

Reference Range :

2.6 - 6

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Sodium (Na)

136.7 mmol/L

Reference Range :

136 - 146

Comment :

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

Sample Type: Serum

Ferritin

9.8 ng/mL

Reference Range :

11 - 306.8

Comment :

Method: Chemiluminescent immunoassay (CLIA)
Sample Type: serum

Cortisol (PM)

6.48 µg/dL

Reference Range :

< 10.5

Comment :

Method: Chemiluminescent immunoassay (CLIA)
Sample Type: Serum



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Cholesterol - Total

158.42 mg/dL

Reference Range :

- Desirable ≤ 200
- Borderline 200 - 239
- High ≥ 240

Comment :

Method: Spectrophotometry (SP)
 Sample Type: Serum

High Density Lipoprotein (HDL)

46.2 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)

88 mg/dL

Reference Range :

- Optimal <100
- Near Optimal 100 - 129
- Borderline 130 - 159
- High 160 - 189
- Requiring treatment ≥ 190



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Triglycerides

118.78 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)

19.26 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum

Aspartate Amino Transferase (AST)

23.6 U/L

Reference Range :

< 35

Comment :

Method: Spectrophotometry (SP)
Sample Type: Serum



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Total Protein - Serum

6.8 g/dL

Reference Range :

5.7 - 8

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Albumin - Serum

4.74 g/dL

Reference Range :

3.5 - 5.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Bilirubin - Total

0.17 mg/dL

Reference Range :

0.3 - 1.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum



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Bilirubin - Direct

0.04 mg/dL

Reference Range :

≤ 0.2

Comment :

Method: Spectrophotometry (SP)

Sample Type: Seurm

Alkaline Phosphatase (ALP)

157.03 U/L

Reference Range :

50 - 162

Comment :

Method: Spectrophotometry (SP)

Sample Type: Serum

Thyroid Stimulating Hormone (TSH)

2.61 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)

22.2 ng/mL

Reference Range :

- Deficiency
- Sufficient
- Excessive

< 30
30 - 100
> 100

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum

Vitamin B12 (Cyanocobalamine)

345 pg/mL

Reference Range :

192 - 827

Comment :

Method: Chemiluminescent immunoassay (CLIA)

Sample Type: serum



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Test Results

Erythrocyte Sedimentation Rate (ESR)

21 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	12.43	4 - 11	10 ³ /uL
Red blood cell (RBC) count	5.05	3.8 - 4.8	x10 ⁶ /uL
Hemoglobin	13.77	12 - 16	g/dL
Hematocrit (HCT)	40.2	36 - 46	%
MCV	79.6	83 - 101	fl
MCH	27.3	27 - 32	pg
MCHC	34.3	31.5 - 34.5	g/dL
RDW-CV	14.6	11.6 - 14	%
Platelets	423.2	150 - 450	10 ³ /uL

Differential count	Result	Normal Range	Units
Neutrophils%	52.49	35 - 75	%
Lymphocytes%	38.54	20 - 45	%
Monocytes%	5.46	2 - 8	%
Eosinophils%	3.13	1 - 6	%
Basophils%	0.37	0 - 1	%
Neutrophils#	6.52	2 - 7	10 ³ /uL
Lymphocytes#	4.79	1 - 3.5	10 ³ /uL
Monocytes#	0.68	0.2 - 1	10 ³ /uL
Eosinophils#	0.39	0.02 - 0.5	10 ³ /uL
Basophils#	0.05	0.01 - 0.1	10 ³ /uL

Method: Coulter Principle and Flow cytometric optical measurement

Sample type: EDTA Whole Blood

* Mild leukocytosis and absolute lymphocytosis.



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Kidney Function

Urine Analysis

Test Name	Result	Normal Range	Units
Physical Examination:			
Color	Yellow	Pale to yellow	--
Aspect	Clear	Clear	--
Chemical Examination:			
Specific Gravity	1.015	1.005 - 1.030	--
PH	6 (Acidic)	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	Moderate	Nil	--
Cast	Nil	Nil	--
Crystals	Nil	Nil	--
Amorphous materials	Nil	--	--
Others	Bacteria - Moderate, Mucous Threads - Few	--	--

Method: Reagent Impregnated Strips/ Microscopic Examination

Sample Type: urine Sample

