

Doctor Medical Report

Clinical Report

Patient's laboratory results demonstrate a complex array of abnormalities, warranting further evaluation and management.

Hematological Abnormalities:

1. Mean Corpuscular Hemoglobin (MCH) - Low (25.5 µg/dL; normal range: 27.0-32.0 µg/dL)
2. Mean Corpuscular Volume (MCV) - Low (80.7 fL; normal range: 83.0-101.0 fL)
3. Total RBC - High (4.91 x10¹²/L; normal range: 3.8-4.8 x10¹²/L)

Endocrine Abnormalities:

1. Fasting Blood Sugar (FBS) - High (102.3 mg/dL; normal range: 70-100 mg/dL)
2. Average Blood Glucose (ABG) - High (128 mg/dL; normal range: 90-120 mg/dL)

Renal Abnormalities:

1. Creatinine - Low (0.5 mg/dL; normal range: 0.55-1.02 mg/dL)

Inflammatory Marker:

1. Urinary Leucocytes (Pus Cells) - High (20/HPF; normal range: 0-5/HPF)

Other Abnormalities:

1. Serum Zinc - Low (50 µg/dL; normal range: 52-286 µg/dL)

2. Iron - Low (28 µg/dL; normal range: 50-170 µg/dL)

3. TC/HDL Cholesterol Ratio - Low (2.7; normal range: 3-5)

In view of these findings, I recommend a comprehensive evaluation to elucidate the underlying etiology and guide further management.

Recommendations:

1. Order additional tests to investigate anemia, hyperglycemia, and renal insufficiency.

2. Consider endocrine evaluation to rule out diabetes mellitus or other hormonal disorders.

3. Refer patient to a specialist for further assessment and management of these abnormalities.

Please note that this report is intended as a summary of the laboratory results and does not provide definitive diagnoses or treatment plans. A comprehensive clinical evaluation is necessary to establish an accurate diagnosis and develop an effective treatment strategy.