

**NOTICE TO PHYSICIAN**

This report is produced by the AuRA statistical modeling platform and is intended solely as an informational reference for use by a licensed medical professional. It does not constitute a diagnosis, clinical opinion, or medical advice. All findings presented in this document must be independently reviewed and validated by a qualified physician before any clinical decision is made.

**PATIENT INFORMATION**

<b>Patient ID</b>	nhanes_90119
<b>Age</b>	61
<b>Sex</b>	F
<b>BMI</b>	Not recorded
<b>Source Dataset</b>	nhanes
<b>Diagnosis on File</b>	celiac_disease (K90.0)

**TESTS CONDUCTED**

The following laboratory markers were included in this assessment. Markers listed as "Not ordered" were not available for this patient and were excluded from the statistical model input.

**Complete Blood Count (CBC)**

White Blood Cell Count (WBC)	Ordered
Red Blood Cell Count (RBC)	Ordered
Hemoglobin	Ordered
Hematocrit	Ordered
Platelet Count	Ordered
Mean Corpuscular Volume (MCV)	Ordered
Mean Corpuscular Hemoglobin (MCH)	Ordered
Red Cell Distribution Width (RDW)	Ordered

**Inflammatory Markers**

Erythrocyte Sedimentation Rate (ESR)	<i>Not ordered</i>
C-Reactive Protein (CRP)	Ordered

**Autoantibody Panel**

*No autoantibody data was available for this patient.*

**STATISTICAL MODEL OUTPUT**

<b>Model</b>	Aura Hierarchical Dual-Scorer v1.0
<b>Confidence Tier</b>	Low (<60%)
<b>Estimated Category</b>	Healthy / No Autoimmune Pattern
<b>Category Confidence</b>	58.6%

**Category Probability Distribution:**

<b>Healthy / No Autoimmune Pattern</b>	<b>58.6%</b>
Systemic Autoimmune	29.4%
Endocrine Autoimmune	7.3%
Gastrointestinal Autoimmune	4.8%

## LABORATORY RESULTS

Test	Result	Units	Reference Range	Flag
WBC	5.8	$\times 10^3/\mu\text{L}$	4.5 – 11.0	
RBC	5.05	$\times 10^6/\mu\text{L}$	4.2 – 5.4	
Hemoglobin	13	g/dL	12.0 – 17.5	
Hematocrit	41	%	37.0 – 52.0	
Platelet Count	280	$\times 10^3/\mu\text{L}$	150 – 400	
MCV	81.1	fL	80.0 – 100.0	
MCH	31.9	pg	27.0 – 33.0	
RDW	<b>14.8</b>	%	11.5 – 14.5	<b>H</b>
ESR	—	mm/hr	—	<i>Not ordered</i>
CRP	<b>12.7</b>	mg/dL	0.0 – 1.0	<b>H</b>

## CLINICAL NOTES

### Summary

No autoimmune pattern detected (59% confidence). Lab values fall within normal ranges across all monitored markers.

### Recommended Action

Routine follow-up with primary care physician.