

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

Patient ID	immport_sdy625_156485
Age	18
Sex	F
BMI	Not recorded
Source Dataset	immport_sdy625
Diagnosis on File	Systemic Lupus Erythematosus (M32.9)

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)	Ordered
C-Reactive Protein (CRP)	Ordered

Autoantibody Panel

An autoantibody panel was included. Results are in Section 5.

STATISTICAL MODEL OUTPUT

Model	Aura Hierarchical Dual-Scorer v1.0
Confidence Tier	High (>80%)
Estimated Category	Systemic Autoimmune
Category Confidence	95.1%
Estimated Disease	Systemic Lupus Erythematosus
Disease Model Confidence	95.1%

Category Probability Distribution:

Systemic Autoimmune	95.1%
Healthy / No Autoimmune Pattern	3.7%
Endocrine Autoimmune	0.9%
Gastrointestinal Autoimmune	0.3%

LABORATORY RESULTS

Test	Result	Units	Reference Range	Flag
WBC	6.1	$\times 10^3/\mu\text{L}$	4.5 – 11.0	
RBC	3.93	$\times 10^3/\mu\text{L}$	4.2 – 5.4	L
Hemoglobin	10.6	g/dL	12.0 – 17.5	L
Hematocrit	34	%	37.0 – 52.0	L
Platelet Count	326	$\times 10^3/\mu\text{L}$	150 – 400	
MCV	86.5	fL	80.0 – 100.0	
MCH	26.9	pg	27.0 – 33.0	L
RDW	16.2	%	11.5 – 14.5	H
ESR	105	mm/hr	0.0 – 20.0	H
CRP	1	mg/dL	0.0 – 1.0	

AUTOANTIBODY PANEL

Test	Result
ANA	256.0
Anti-dsDNA	<i>Not tested</i>
HLA-B27	<i>Not tested</i>
Anti-Sm	<i>Not tested</i>
Anti-Ro/SSA	<i>Not tested</i>
Anti-La/SSB	<i>Not tested</i>
RF (Rheumatoid Factor)	<i>Not tested</i>
Anti-CCP	<i>Not tested</i>
Complement C3	<i>Not tested</i>
Complement C4	<i>Not tested</i>

CLINICAL NOTES**Summary**

Systemic autoimmune pattern detected (95% confidence). Findings are consistent with systemic inflammation — consider evaluation for lupus, rheumatoid arthritis, Sjögren's syndrome, or related conditions.

Recommended Action

Referral to Rheumatology. Consider: ANA panel, anti-dsDNA, RF, anti-CCP, complement levels (C3/C4), joint X-rays.