

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	harvard_03583
Age	45
Sex	F
BMI	Not recorded
Source Dataset	harvard
Diagnosis on File	Ankylosing Spondylitis (M45)

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)

<i>White Blood Cell Count (WBC)</i>	<i>Not ordered</i>
<i>Red Blood Cell Count (RBC)</i>	<i>Not ordered</i>
<i>Hemoglobin</i>	<i>Not ordered</i>
<i>Hematocrit</i>	<i>Not ordered</i>
<i>Platelet Count</i>	<i>Not ordered</i>
<i>Mean Corpuscular Volume (MCV)</i>	<i>Not ordered</i>
<i>Mean Corpuscular Hemoglobin (MCH)</i>	<i>Not ordered</i>
<i>Red Cell Distribution Width (RDW)</i>	<i>Not ordered</i>

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	96.0%
Estimated Disease	Ankylosing Spondylitis
Disease Model Confidence	61.2%

Category Probability Distribution:

Systemic Autoimmune	96.0%
Healthy / No Autoimmune Pattern	3.5%
Endocrine Autoimmune	0.3%
Gastrointestinal Autoimmune	0.2%

LABORATORY RESULTS

Test	Result	Units	Reference Range	Flag
WBC	—	$\times 10^3/\mu L$	—	<i>Not ordered</i>
RBC	—	$\times 10^3/\mu L$	—	<i>Not ordered</i>
Hemoglobin	—	g/dL	—	<i>Not ordered</i>
Hematocrit	—	%	—	<i>Not ordered</i>
Platelet Count	—	$\times 10^3/\mu L$	—	<i>Not ordered</i>
MCV	—	fL	—	<i>Not ordered</i>
MCH	—	pg	—	<i>Not ordered</i>
RDW	—	%	—	<i>Not ordered</i>
ESR	35	mm/hr	0.0 – 20.0	H
CRP	13.2	mg/dL	0.0 – 1.0	H

AUTOANTIBODY PANEL

Test	Result
ANA	Negative
Anti-dsDNA	<i>Not tested</i>
HLA-B27	Positive
Anti-Sm	<i>Not tested</i>
Anti-Ro/SSA	Positive
Anti-La/SSB	<i>Not tested</i>
RF (Rheumatoid Factor)	10.0 IU/mL
Anti-CCP	32.4 U/mL
Complement C3	129.0 mg/dL
Complement C4	61.0 mg/dL

CLINICAL NOTES**Summary**

Systemic autoimmune pattern detected (96% 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.