

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)

White Blood Cell Count (WBC)	Not ordered
Red Blood Cell Count (RBC)	Not ordered
Hemoglobin	Not ordered
Hematocrit	Not ordered
Platelet Count	Not ordered
Mean Corpuscular Volume (MCV)	Not ordered
Mean Corpuscular Hemoglobin (MCH)	Not ordered
Red Cell Distribution Width (RDW)	Not 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	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	—	$\times 10^3/\mu\text{L}$	—	Not ordered
RBC	—	$\times 10^6/\mu\text{L}$	—	Not ordered
Hemoglobin	—	g/dL	—	Not ordered
Hematocrit	—	%	—	Not ordered
Platelet Count	—	$\times 10^3/\mu\text{L}$	—	Not ordered
MCV	—	fL	—	Not ordered
MCH	—	pg	—	Not ordered
RDW	—	%	—	Not ordered
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	Not tested
HLA-B27	Positive
Anti-Sm	Not tested
Anti-Ro/SSA	Positive
Anti-La/SSB	Not tested
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.