

SECTION 1: PATIENT DEMOGRAPHICS

PATIENT ID nhanes_73741	AGE 47	SEX F	BMI N/A
SOURCE DATASET nhanes	TRUE DIAGNOSIS autoimmune_thyroiditis	ICD-10 E06.3	CATEGORY Endocrine

SECTION 2: PREDICTION

HEALTHYConfidence: **70.0%** · Moderate (60–80%)**X INCORRECT**

CATEGORY	PROBABILITY
Healthy	70.0%
Systemic Autoimmune	13.7%
Gastrointestinal	10.0%
Endocrine Autoimmune	6.3%

SECTION 3: LAB PANEL

MARKER	VALUE	UNIT	REF RANGE	FLAG	Z-SCORE
WBC	12	$\times 10^3/\mu\text{L}$	4.5–11.0	H	1.96
RBC	4.66	$\times 10^3/\mu\text{L}$	4.2–5.4	N	0.33
Hemoglobin	12.2	g/dL	12.0–17.5	N	-0.86
Hematocrit	36.1	%	37.0–52.0	L	-0.93
Platelets	292	$\times 10^3/\mu\text{L}$	150–400	N	0.59
MCV	77.5	fL	80.0–100.0	L	-1.72
MCH	33.6	pg	27.0–33.0	H	0.00
RDW	14	%	11.5–14.5	N	0.46
ESR	—	mm/hr	—	MISSING	—
CRP	—	mg/dL	—	MISSING	—

SECTION 5: CLINICAL INTERPRETATION

Summary

No autoimmune pattern detected (70% confidence). Lab values fall within normal ranges across all monitored markers.

Patient-Friendly Explanation

Your results look healthy. Your lab values are within normal ranges and do not show patterns associated with autoimmune conditions.

Recommended Action: Routine follow-up with primary care physician.