

Patient Information

- **Patient Name:** Ryan Carter
 - **Age:** 34 years
 - **Gender:** Male
 - **Patient ID:** RC-99214
 - **Date of Collection:** 2025-09-20
 - **Report Date:** 2025-09-21
 - **Referring Physician:** Dr. Emily Shaw
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COMPLETE BLOOD COUNT (CBC)

Test	Result	Reference Range	Trend vs Previous
Hemoglobin	14.1 g/dL	13.5 – 17.5 g/dL	Slight decrease
RBC Count	4.88 M/ μ L	4.5 – 5.9 M/ μ L	Mild decrease
WBC Count	8,300 / μ L	4,000–11,000 / μ L	Small increase
Platelets	256,000 / μ L	150,000–450,000	Slight decrease
Hematocrit	43.0%	40–52%	Minor drop
MCV	88 fL	80–100 fL	Stable
MCH	28.9 pg	27–33 pg	Stable
MCHC	33.0 g/dL	32–36 g/dL	Slight decrease

LIPID PROFILE

Test	Result	Reference Range	Trend vs Previous
Total Cholesterol	225 mg/dL	< 200 mg/dL	Increased (worse)
HDL	44 mg/dL	> 40 mg/dL	Slight decrease
LDL	148 mg/dL	< 130 mg/dL	Increased (borderline high)
Triglycerides	182 mg/dL	< 150 mg/dL	Slight increase
VLDL	36 mg/dL	10–40 mg/dL	Stable
Chol/HDL Ratio	5.1	< 5.0	Slightly worse

LIVER FUNCTION TEST (LFT)

Test	Result	Reference Range	Trend vs Previous	
AST (SGOT)	33 U/L	10–40 U/L	Slight increase	
ALT (SGPT)	41 U/L	7–56 U/L	Slight increase	
Alkaline Phosphatase	108 U/L	44–147 U/L	Mild increase	
Total Bilirubin	1.0 mg/dL	0.1–1.2 mg/dL	Slight increase	
Direct Bilirubin	0.2 mg/dL	0–0.3 mg/dL	Stable	
Albumin	4.5 g/dL	3.5–5.0 g/dL	Slight decrease	
Total Protein	7.4 g/dL	6.0–8.3 g/dL	Slight decrease	

KIDNEY FUNCTION TEST (KFT)

Test	Result	Reference Range	Trend vs Previous	
Serum Creatinine	1.08 mg/dL	0.7–1.3 mg/dL	Slight increase	
BUN	20 mg/dL	7–20 mg/dL	Slight increase	
Uric Acid	6.6 mg/dL	3.5–7.2 mg/dL	Increased slightly	
Sodium	142 mmol/L	135–145 mmol/L	Stable	
Potassium	4.2 mmol/L	3.5–5.1 mmol/L	Stable	
Chloride	105 mmol/L	98–107 mmol/L	Stable	

THYROID PROFILE

Test	Result	Reference Range	Trend vs Previous	
TSH	3.10 µIU/mL	0.4 – 4.0 µIU/mL	Slight increase	
Free T3	3.0 pg/mL	2.3 – 4.2 pg/mL	Slight decrease	
Free T4	1.18 ng/dL	0.8 – 1.8 ng/dL	Slight decrease	

BLOOD GLUCOSE

Test	Result	Reference Range	Trend vs Previous
Fasting Glucose	111 mg/dL	70–99 mg/dL	Worse — higher
HbA1c	6.0%	< 5.7%	Increased — Prediabetic

URINE ROUTINE ANALYSIS

Test	Result	Reference Range	Trend vs Previous
Color	Yellow	—	Stable
Appearance	Clear	—	Stable
pH	6.4	4.5–8.0	Slight increase
Specific Gravity	1.022	1.005–1.030	Mild increase
Protein	Negative	Negative	Stable
Glucose	Negative	Negative	Stable
Ketones	Negative	Negative	Stable
RBCs	1–2 /hpf	0–2 /hpf	Stable
WBCs	4–6 /hpf	0–5 /hpf	Slight increase
