

Patient: **RICOTTA, FILOMENA**

Age: 45 years Gender: F

Date of Birth: Jul 30 1979

HC #: **2187510637 EW**

Patient's Phone: (416) 877-3407

Ordered by: SHIH VICTORIA

Copy To:

Lab No: **2025-QJ2090608**

Reference #:

Patient ID: 2025QJ2090608

Referring Site ID:

Date of Service: Jul 28 2025 09:25

Reported on: Jul 28 2025 16:20



Address: 100 International Blvd.
Toronto, Ontario
Canada M9W 6J6

Telephone: (877) 849-3637
Toll Free: (877) 849-3637
Fax: (905) 795-9891

Test	Flag	Result	Reference Range - Units	Lab Lic. #
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Hematology

#5687

WBC	LO	3.4	4.0 - 11.0	x E9/L
RBC		4.31	4.00 - 5.10	x E12/L
Hemoglobin	LO	115	120 - 160	g/L
Hematocrit		0.371	0.350 - 0.450	L/L
MCV		86	80 - 100	fL
MCH	LO	26.7	27.5 - 33.0	pg
MCHC		310	305 - 360	g/L
RDW		12.7	11.5 - 14.5	%
Platelet Count		234	150 - 400	x E9/L

Differential

Neutrophils	LO	1.3	2.0 - 7.5	x E9/L
Lymphocytes		1.6	1.0 - 3.5	x E9/L
Monocytes		0.4	0.2 - 1.0	x E9/L
Eosinophils		0.1	0.0 - 0.5	x E9/L
Basophils		0.1	0.0 - 0.2	x E9/L
Immature Granulocytes		0.0	0.0 - 0.1	x E9/L
Nucleated RBC		0		/100 WBC

Erythrocyte Sedimentation Rate	2	2 - 30	mm/hr
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Biochemical Investigation of Anemias

Vitamin B12	LO	202	>220	pmol/L
		>220 pmol/L: Normal, deficiency unlikely 150-220 pmol/L: Borderline, deficiency is possible <150 pmol/L: Low, consistent with deficiency		
Ferritin	LO	29		ug/L

Result <30 ug/L consistent with iron deficiency.

For guidance, see www.hemequity.com/raise-the-bar

General Chemistry

Glucose Fasting	4.3	3.6 - 6.0	mmol/L
Hemoglobin A1C/Total Hemoglobin	5.3	<6.0	%

Diabetes Canada 2018 Guidelines:

Screening and Diagnosis:

< 5.5 % Normal

5.5% - 5.9 % At risk

6.0% - 6.4 % Prediabetes

>OR= 6.5 % Diabetes Mellitus***

FINAL RESULTS

IMPORTANT:

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General Chemistry

***Regarding diagnosis: in the absence of symptomatic hyperglycemia, if a single laboratory test result is in the diabetes range, a repeat confirmatory laboratory test (FPG, A1C, 2hPG in a 75 g OGTT) must be done on another day for diagnosis confirmation.

Monitoring: <OR= 7.0 %

Target in adults without comorbidities. Other targets may be more appropriate in children, elderly and patients with comorbidities.

Results may not accurately reflect mean blood glucose in patients with hemoglobin variants, disorders associated with abnormal erythrocyte turnover, severe renal and liver disorders.

Sodium	141	135-145	mmol/L
Potassium	4.5	3.5-5.2	mmol/L
Creatinine	LO 47	50-100	umol/L
Glomerular Filtration Rate (eGFR)	116	See below	

Results rule out CKD stage 3-5. Assessment of urine ACR is required to definitively rule out or confirm CKD diagnosis. The KidneyWise toolkit (kidneywise.ca) recommends remeasuring eGFR and urine ACR annually for people with diabetes mellitus and less frequently in others unless clinical circumstances dictate otherwise.

Reference interval: ≥ 60 mL/min/1.73m²

eGFR is calculated using the CKD-EPI 2021 equation which does not use a race-based adjustment.

Alkaline Phosphatase	79	35-120	U/L
Alanine Aminotransferase	14	<36	U/L

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<u>Lipids</u>				
Hours After Meal		12	Hours	
Triglyceride		0.50	mmol/L	
		FASTING: <1.70 mmol/L		
		NON-FASTING: <2.00 mmol/L		
Cholesterol		3.97	<5.20	mmol/L
		Total cholesterol and HDL-C used for risk assessment and to calculate non HDL-C.		
HDL Cholesterol		1.48	>=1.30	mmol/L
		HDL-C <1.30 mmol/L indicates risk for metabolic syndrome.		
Non HDL Cholesterol		2.49	<4.20	mmol/L
		Non HDL-Cholesterol is not affected by the fasting status of the patient.		
LDL Cholesterol		2.24	<3.50	mmol/L
		LDL-C is calculated using the NIH equation.		
		For additional LDL-C and non-HDL-C thresholds based on risk stratification, refer to 2021 CCS Guidelines. Can J Cardiol. 2021;37(8):1129-1150.		
Cholesterol/HDL Ratio		2.7		
		Cholesterol/HDL-C is not included in the 2021 CCS guideline as a lipid initiation or treatment target but is recognized as an indicator of high CVD risk at Cholesterol/HDL-C ratio >6.0		
<u>Thyroid Function</u>				
Thyroid Stimulating Hormone		1.81	0.32-4.00	mIU/L
<u>Bone Markers</u>				
25-Hydroxy Vitamin D	LO	70.2	75.0 - 250.0	nmol/L
		Vit D Deficiency: 25.0 - 74.9		

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