

Patient Information

Name: Sayegh, Nuha

MRN: KM-2024-0823

DOB: 03/15/1985

Age: 39 years

Physician: Dr. Sarah Chen, MD

Diagnosis: Stage IV Ovarian CA w/
Lymphangitic Carcinomatosis

Tumor Markers

Test	Result	Reference Range	Flag
CA-125	1,847 U/mL	0-35 U/mL	H
HE4	892 pmol/L	0-140 pmol/L	H
CEA	28.4 ng/mL	0-3.0 ng/mL	H

Complete Blood Count (CBC)

Test	Result	Reference Range	Flag
WBC	14.2 K/uL	4.5-11.0 K/uL	H
RBC	3.2 M/uL	4.2-5.4 M/uL	L
Hemoglobin	8.9 g/dL	12.0-16.0 g/dL	L
Hematocrit	26.8%	36.0-46.0%	L
Platelets	187 K/uL	150-400 K/uL	
Neutrophils %	78%	50-70%	H
Lymphocytes %	12%	20-40%	L

Comprehensive Metabolic Panel

Test	Result	Reference Range	Flag
Glucose	98 mg/dL	70-99 mg/dL	
BUN	28 mg/dL	7-20 mg/dL	H
Creatinine	1.4 mg/dL	0.6-1.2 mg/dL	H
eGFR	48 mL/min	>60 mL/min	L
Sodium	138 mmol/L	136-145 mmol/L	
Potassium	4.2 mmol/L	3.5-5.1 mmol/L	
Chloride	102 mmol/L	98-107 mmol/L	
CO2	24 mmol/L	22-29 mmol/L	
Calcium	11.2 mg/dL	8.5-10.2 mg/dL	H
Total Protein	5.8 g/dL	6.3-8.2 g/dL	L
Albumin	2.9 g/dL	3.5-5.0 g/dL	L

Liver Function Tests

Test	Result	Reference Range	Flag
ALT	68 U/L	7-56 U/L	H
AST	82 U/L	10-40 U/L	H
Alkaline Phosphatase	178 U/L	44-147 U/L	H
Total Bilirubin	1.1 mg/dL	0.1-1.2 mg/dL	

Pulmonary Function Indicators

Test	Result	Reference Range	Flag
D-Dimer	2.8 µg/mL	<0.5 µg/mL	H
LDH	412 U/L	140-280 U/L	H

Test	Result	Reference Range	Flag
Arterial pH	7.38	7.35-7.45	
pO2	68 mmHg	80-100 mmHg	L
pCO2	38 mmHg	35-45 mmHg	
O2 Saturation	91%	95-100%	L

Clinical Notes

Summary: 39-year-old female with Stage IV ovarian adenocarcinoma diagnosed August 2024, now with progression to lymphangitic carcinomatosis. Laboratory findings consistent with advanced malignancy including marked elevation of tumor markers (CA-125: 1,847 U/mL), moderate anemia (Hgb: 8.9 g/dL), mild renal insufficiency, and hypoxemia. Mild hypercalcemia and hypoalbuminemia noted.

Interpretation: Results indicate disease progression with multisystem involvement. Elevated CA-125 and HE4 consistent with active ovarian malignancy. CBC shows anemia of chronic disease with mild leukocytosis. Metabolic panel reveals mild renal dysfunction and hypercalcemia. Pulmonary parameters suggest impaired gas exchange consistent with lymphangitic spread.

Recommendations: Continue current chemotherapy regimen. Consider palliative radiotherapy for symptom control. Monitor renal function and calcium levels closely. Supportive care with oxygen therapy as needed. Nutritional support for hypoalbuminemia. Follow-up in 2 weeks or sooner if symptoms worsen.