

CLINICAL ONCOLOGY REPORT

CarePortal Cancer Detection & Risk Assessment Engine

Patient Name: Robert Miller

Date of Birth: 05/22/1958

Age: 67

Sex: Male

Smoking Status: Chronic Smoker (40 Pack Years)

LABORATORY RESULTS - ONCOLOGY SCREENING PANEL [CRITICAL FINDINGS]

--- COMPLETE BLOOD COUNT (CBC) ---

White Blood Cell Count (WBC): **15.8 x10³/uL [HIGH]**

Red Blood Cell Count (RBC): **3.2 x10⁶/uL [LOW]**

Hemoglobin: **9.4 g/dL [CRITICAL LOW - ANEMIA]**

Hematocrit: **28.2 % [LOW]**

Platelet Count: **580 x10³/uL [CRITICAL HIGH - THROMBOCYTOSIS]**

Mean Corpuscular Volume (MCV): **76.5 fL [LOW]**

Mean Corpuscular Hemoglobin (MCH): **24.2 pg [LOW]**

Neutrophils %: **86.2 % [HIGH]**

Lymphocytes %: **7.4 % [LOW]**

--- INFLAMMATORY MARKERS ---

C-Reactive Protein (CRP): **42.5 mg/L [CRITICAL HIGH]**

--- TUMOR MARKERS ---

Carcinoembryonic Antigen (CEA): **24.8 ng/mL [CRITICAL HIGH]**

Cancer Antigen 125 (CA-125): **92.5 U/mL [CRITICAL HIGH]**

[END OF REPORT - URGENT CLINICAL CORRELATION REQUIRED].