



Patient Demography: Female aged 72

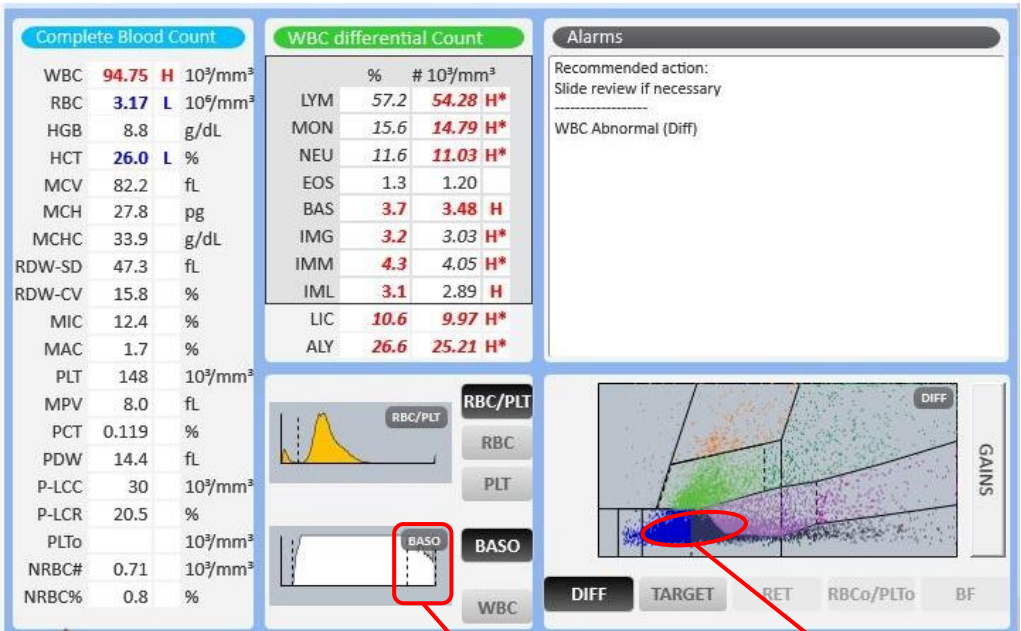
Symptoms: Bilateral lower limb pain? CML

Diagnosis: Chronic Myeloid Leukemia in Blast Crisis

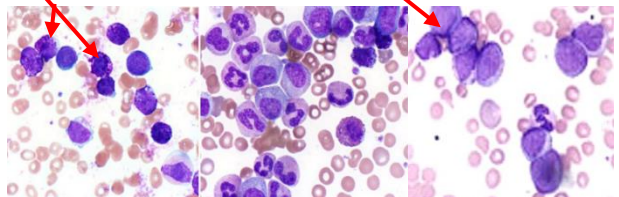
Microscopy: Blast-70%, Lymphocyte-04%, Monocyte-03%, Neutrophil-06%, Eosinophil-02%, Basophils-05%, Promyelocytes-03%, Myelocytes-04%, Metamyelocytes-03%

Other Tests: BCR ABL t (9:22) Philadelphia Chromosome – **POSITIVE**, MTHFR Gene mutation – **POSITIVE**

How Yumizen Can Assist: 1. On the DIFF scattergram, we observe a compact blast population between the lymphocyte, atypical lymphocyte, and monocyte areas. The small to moderate-sized blasts are situated in the ALY area. These blasts have basophilic cytoplasm with irregular nuclear contours and contains 2 to 3 nucleoli. 2. WBC distribution histogram also suggests the presence of basophils, which is confirmed in the manual differential count.



Microscopy findings showed small to moderate-size blasts having basophilic cytoplasm and irregular nuclear contours with 2 to 3 nucleoli. Basophils were also seen.



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This clinical case has been provided by Dr. Sonal Gupta, Lab Head & Pathologist, Redcliffe Diagnostic Lab, Mumbai, India.