CASE 016

CŌRE DIAGNOSTICS™

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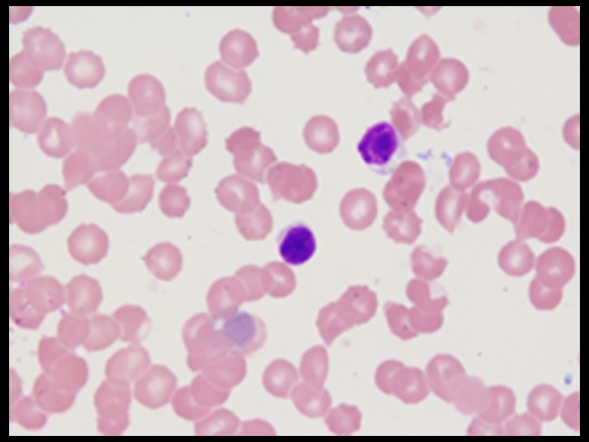
ACKNOWLEDGEMENT: The flow cytometry and immunohistochemistry technical team for their excellent technical support.

CLINICAL HISTORY

A 74-year-old female presented for the evaluation of anemia. She was on iron supplementation on and off since 2000 and underwent splenectomy in 2001 for abdominal pain and enlarged spleen (records were not available). Until July 2015, she did not require any packed red cell transfusions.

Hematologic Investigations: In Oct 2015, her hematologic investigations revealed a microcytic and hypochromic anemia, neutropenia, and thrombocytopenia. Serum biochemical parameters did not reveal any abnormality. Rest of the organ system examination was within normal limits. No blasts were seen on morphology and could be detected on flow cytometric immunophenotyping of the peripheral blood. Bone marrow aspirate was almost a dry tap and rare blasts were seen. The results of peripheral blood flow cytometry showed normal mature lymphocytes 40% of B and T cells lineage, with no light chain restriction. The bone marrow biopsy revealed hypercellularity (~95% cellularity) comprising of mainly atypical blastoid cells in nodular aggregates and in sheets focally. Trilineage hematopoiesis was significantly suppressed.



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