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## Crystalline inclusions in B monoclonal lymphocytes

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A 88-year old woman presented with malnutrition and depressive psychosis. No lymphadenopathy nor hepatomegaly or splenomegaly was noted on clinical examination. A blood count showed haemoglobin 12.6 g/dL, haematocrit 0.38, WBC  $6.6 \times 10^9/L$  with the lymphocyte count  $1.6 \times 10^9/L$  and platelet count  $184 \times 10^9/L$ . Twenty percent of the lymphocytes showed large cytoplasmic inclusions which appeared rectangular or square, unstained structures in May Grünwald Giemsa staining (photographs). An immunophenotyping performed on blood lymphocytes revealed 30% of clonal lambda-lymphocytes expressing CD19, CD20, CD22, CD23 but not CD5, and allowed the diagnosis of a chronic lymphoproliferative disorder. No cryoglobulinaemia was detected.

Crystalline inclusions in lymphocytes of lymphoproliferative disorders are not uncommon; they represent crystallized immunoglobulin.

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