

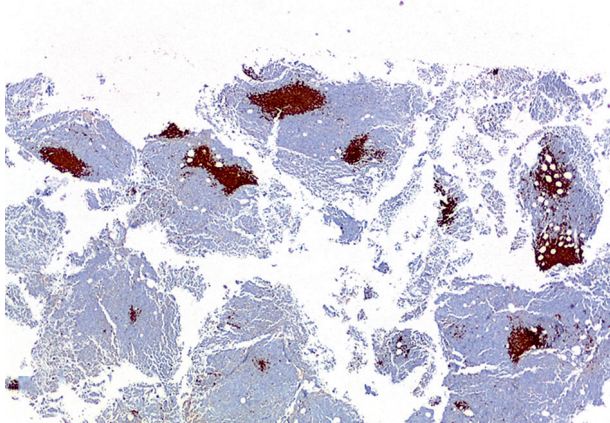
## Quiz

### WHAT IS YOUR DIAGNOSIS?

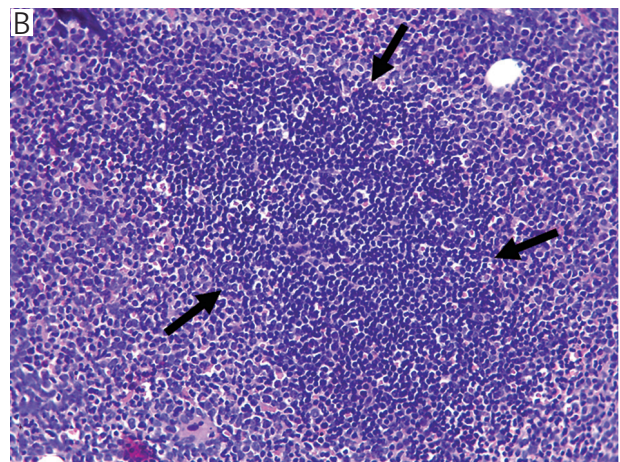
An 86 years old man underwent a bone marrow biopsy for thrombocytopenia and monoclonal gammopathy. Morphological examination showed a hypercellular marrow for the age of the patient (> 90%). A routine first step immunohistochemical study better disclosed the presence of nodular aggregates of PAX5+ (Fig. 1A, 2,5×) B lymphoid cells in the context of bone marrow tissue. The aggregates were composed of small and mature lymphocytes (Fig. 1B, hematoxylin-eosin, 20×, arrows) with a prevalent B immunophenotype, as highlighted by CD20 immunostain (Fig. 1C, 20×). Nodules were surrounded

by haematopoietic tissue represented predominantly (about 70% of marrow cellularity) by immature elements (Fig. 1B hematoxylin-eosin, 20×), with a positive immunostain for myeloperoxidase (MPO) (Fig. 1D, 20×) and CD34. Further immunophenotyping showed coexpression in B cells of CD5, CD23 and CD43 (cyclin D1, SOX11, CD10 and bcl6 were negative), in presence of admixed small T cells (CD3+, CD5+, CD43+). Immature haematopoietic cells, in addition to MPO and CD34, tested positive for CD117 (c-kit) (glycophorin-C, CD61, CD7, CD15 and Tdt were negative).

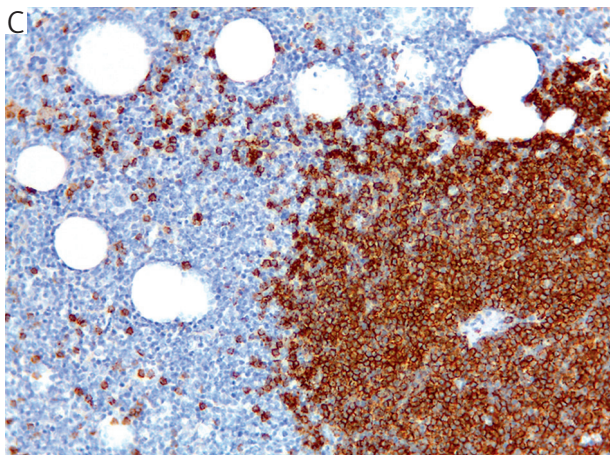
A



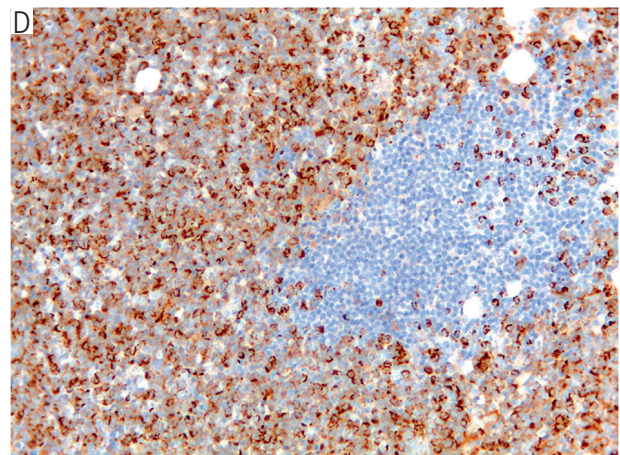
B



C



D



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Answers should be sent to the Editorial Office until 15<sup>th</sup> August 2020. The correct answer will be announced in the next issue of the *Polish Journal of Pathology*.