Gemeinsame Jahrestagung der Deutschen und der Österreichischen Gesellschaft für Hämatologie und Onkologie

Wien, 9.-12. Oktober 1994

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KARGER
PREVALENCE OF CD20 POSITIVE B-CELLS IN
PERIPHERAL BLOOD OF PATIENTS WITH LYMPHOCYTIC
LYMPHOMA AND CORRELATION WITH THE COURSE OF
DISEASE
K. Pachmann, I. Langenmayer, C. Straka and B. Emmerich

14 patients with lymphocytic lymphoma were monitored during the
course of disease between 4 weeks and 3 years by
immunofluorimetry for cells of the lymphoma circulation in
peripheral blood and infiltrating bone marrow.
Levels of lymphoid cells expressing mature B-cell antigens in
peripheral blood were increased over the normal range in seven
patients. This was mainly due to cells expressing CD20 without
simultaneous expression of CD19. During the recidives CD20
positive cells always surpassed CD19 positive cells.
The porportion of B-cells was not always comparable between
blood and bone marrow lymphocytes. The difference between
CD19 and CD20 expression was not observed in the cells
infiltrating the bone marrow. Cell separation studies are under way
to distinguish between normal peripheral B-cells and circulating
lymphoma cells.