CD62L, CD44, and CXCR4 adhesive markers expression on NK-cells in cancer

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Comparative analysis of CD44, CD62L, CXCR4 adhesive molecules expression on circulating natural killer (NK) cells in healthy donors and cancer patients has been performed. It was shown that in cancer patients, while the total content of NK-cells in the peripheral blood increased, the percentage of CD62L-positive NK cells decreased. In contrast to healthy donors, we observed disruption of the process of SDF-1-induced CXCR4 internalization on NK cells from cancer patients. One of the possible mechanisms of disruption of NK cell migration to tumor stroma is discussed in the article. (Cytokines and Inflammation. 2012. Vol. 11. № 1. P. 86–90.)

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