p-Stat3 and bcr/abl gene expression in chronic myeloid leukemia and their relation to imatinib therapy

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Abstract:

Flowcytometry analysis was carried out to evaluate the expression of the p-Stat3 in 50 CML patients and 20 age-matched healthy controls. p-Stat3 expression was increased in advanced stages of CML. Imatinib treatment was found to suppress the expression of p-Stat3 in bone marrow cells. The level of p-Stat3 was found to be higher in resistant cases than in responsive cases, which suggest the beneficial use of p-Stat3 as an indicator to follow the clinical course and the treatment response.

Keywords:

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