Clinical and Immunological Features of Patients with Interleukin-5-Producing T Cell Clones and Eosinophilia

Abstract:
Recent work suggests that in some patients with the hypereosinophilic syndrome, a clone of abnormal T cells produces large amounts of interleukin-5. In this study, we examined 60 patients with idiopathic eosinophilia. Sixteen patients had circulating T cells with an aberrant immunophenotype that, in most cases, were associated with different forms of skin inflammation. The abnormal T cells produced large amounts of interleukin-5, which may have increased eosinophil differentiation in the bone marrow of these patients.

Stichworte:
Clonal T cells; Eosinophils; Hypereosinophilia; Immunophenotype; Interleukin-5

Zeitschriftentitel:
International Archives of Allergy and Immunology

Jahr:
2001

Band:
124

Heft / Issue:
1-3

Seiten:
242--245

Volltext / DOI:
http://doi.org/10.1159/000053723

Verlag / Institution:
S. Karger AG
Verlagsort: Basel, Switzerland
Print-ISSN: 14230097
E-ISSN: 1423-0097
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Occurrences:
- Kollektionen > Open Access Publikationen > Verlage > Karger
- Kollektionen > Open Access Publikationen > 2001

entries: