

t(1;3)(p36;p21)

Clinics and Pathology

Disease found in various hematological malignancies: 2 chronic myelogenous leukemia (CML), 1 of which in accelerated phase, 1 myelodysplastic syndrome (MDS) of RAEB type, 2 treatment related MDS, 2 M3- ANLL (acute non lymphocytic leukemia), 2 acute lymphocytic leukemias (ALL), and 1 treatment related ALL, 3 non Hodgkin lymphoma (NHL), (2 follicular and 1 diffuse large cell NHL) . Five patients had a history of a previous treatment for malignancy (alkylating agent in 3 cases).

Epidemiology only 13 cases to date; 7 to 87 yr old patients, most patients being in the fifties; sex ratio: 7M/6F

Prognosis very variable survival, from 25 days to 16 yrs+

Genetics

according to the variability in the above data, the t(1;3)(p36;p21) is likely to be heterogeneous also at the molecular level.

Cytogenetics

Cytogenetics t(1;3)(p36;p21) is part of a complex karyotype in 12 of the 13 cases, **Morphological** and it appears to be a secondary anomaly: accompanying [t\(9;22\)\(q34;q11\)](#) in CML, [t\(15;17\)\(q22;q21\)](#) in M3 ANLL, [-7](#) in t-MDS, [t\(14;18\)\(q32;q21\)](#) in follicular NHL, and also del(6q) in 3 cases and various non recurrent anomalies. In 2 cases, the der(1) appears the crucial event: a complex t(1;2;3) in M3 ANLL, where 3p21->pter is translocated onto der(1), and a der(1) without der(3) t(1;3) in NHL

External links

Other database [t\(1;3\)\(p36;p21\)](#) [Mitelman database \(CGAP - NCBI\)](#)

Other database [t\(1;3\)\(p36;p21\)](#) [CancerChromosomes \(NCBI\)](#)

To be noted

Additional cases are needed to delineate the epidemiology of this rare entity, especially so, since it looks quite heterogeneous:
you are welcome to submit a paper to our new [Case Report section](#).

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