

## t(8;16)(p11;p13) in treatment related leukemia

### Identity

**Note** This data is extracted from a very large study from an International Workshop on treatment related leukemias - restricted to balanced chromosome aberrations (i.e.: [-5/del\(5q\)](#) and [-7/del\(7q\)](#) not taken into account per se), published in Genes, Chromosomes and Cancer in 2002.

### Clinics and Pathology

**Disease** Treatment related myelodysplasia (t-MDS) or acute non lymphocytic leukaemias (t-ANLL)

**Note** The study included 9 cases; t-MDS with progression to ANLL accounted for 1 of 9 cases, and t-ANLL for the remaining 8 cases; no case of acute lymphoblastic leukaemia

**Epidemiology** [t\(8;16\)\(p11;p13\)](#) was found in 2% of t-MDS/t-ANLL; sex ratio: 5M/4F

**Clinics** Age at diagnosis of the primary disease 33 yrs (range 6-70); age at diagnosis of the t-MDS/t-ANLL: 41 yrs (range 7-71). Median interval was 17 mths (range: 13-202). Primary disease was a solid tumor in 9 of 9 cases; treatment was radiotherapy in 1 case, chemotherapy in 2 of 9 cases, or both (6/9). Treatment included topoisomerase II inhibitors in 6 of 8 cases and alkylating agents in 7/8.

**Prognosis** Median survival was very poor: 5 mths, with 39% of patients surviving at 1 yr, and none at 2 yrs.

### Cytogenetics

**Additional anomalies** Complex karyotypes were found in 4 of 9 cases.

### Result of the chromosomal anomaly

#### Hybrid

**gene** 5' MOZ -3' [CBP](#)

Description

### External links

Other database [t\(8;16\)\(p11;p13\) in treatment related leukemia](#) [Mitelman database \(CGAP - NCBI\)](#)

Other database [t\(8;16\)\(p11;p13\) in treatment related leukemia](#) [CancerChromosomes \(NCBI\)](#)

### Bibliography

**Rare recurring balanced chromosome abnormalities in therapy-related myelodysplastic syndromes and acute leukemia: report from an international workshop.**

Block AW, Carroll AJ, Hagemeijer A, Michaux L, van Lom K, Olney HJ, Baer MR. Genes Chromosomes Cancer 2002; 33: 401-412.

Medline [11921274](#)

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URL :

<http://www.infobiogen.fr/services/chromcancer/Anomalies/t0816p11p13TreatRelID1302.html>

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