**Leukaemia Section**

**Short Communication**

**t(1;12)(q25;p13)**

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**Clinics and pathology**

**Disease**

Acute non lymphocytic leukemia (ANLL).

**Phenotype/cell stem origin**

M4Eo ANLL.

**Epidemiology**

Only one case available.

**Cytogenetics**

**Cytogenetics morphological**

A cryptic inv(16) was present, ascertained by a CBFb/MYH11 rearrangement; therefore, the t(1;12) may be a secondary anomaly.

**Genes involved and proteins**

**ABL2**

Location

1q25

Protein

Tyrosine kinase; closely related to ABL1.

**ETV6**

Location

12p13

DNA/RNA

Alternative transcripts.

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**Protein**

Belong to the ETS transcription factors family characterized by the ETS domain, which is responsible for the sequence specific DNA-binding activity.

**Result of the chromosomal anomaly**

**Hybrid gene**

**Transcript**

Both reciprocal transcripts are detected.

**Fusion protein**

**Description**

The fusion protein is composed of the HLH oligomerization domain of ETV6 and the SH2, SH3, and protein tyrosine kinase domains of ABL2.

**References**


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This article should be referenced as such: