Leukaemia Section
Short Communication

\(t(7;12)(q36;p13)\)
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Clinics and pathology

**Phenotype/cell stem origin**
ANLL of various subtypes: M1, M3V (with t(15;17) FISH negative), M4, M5, M7, and RAEB-t.

**Epidemiology**
At least 9 cases known; may be overlooked, and therefore underestimated; was found in 3% of children cases of ANLL, that was also 15% of infant cases of ANLL under 18 months; sex ratio 3M/3F, age : 0-20 months (n= 9), median 8 months (n=6).

**Clinics**
WBC range 8-230 x 10^9/L, median 12 x 10^9/L; organomegaly, central nervous system involvement in 3 of 6 cases.

**Prognosis**
Poor prognosis: of 6 cases, one case had no remission and died at 7 months; 4 case had relapse (duration first remission 1-20 months), 2 cases are still alive (16 months + and 33 months +).

Cytogenetics

**Cytogenetics morphological**
May be misdiagnosed as del(12)(p13).

**Cytogenetics molecular**
Therefore, molecular cytogenetics is recommended.

**Additional anomalies**
+19 in 4 of 6 cases.

Genes involved and proteins

**Note:** The gene in 7q36 is still unknown.

**ETV6**
Location: 12p13
DNA/RNA
9 exons; alternate splicing.

**Protein**
Contains a Helix-Loop-Helix and ETS DNA binding domains; wide expression; nuclear localisation; ETS-related transcription factor.

References


This article should be referenced as such: