Leukaemia Section

Short Communication

t(16;21)(q24;q22)

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Clinics and pathology

Disease
ANLL and therapy related ANLL; mainly with preceding MDS.

Phenotype / cell stem origin
M1 or M2 ANLL.

Epidemiology
Rare: five available cases herein reviewed, 4 adults (42-70 yrs) and one child; 1M/4F.

Clinics
Blood data: pancytopenia.

Prognosis
Very poor: all patients died within a year (2 days-12 mths).

Cytogenetics

Additional anomalies
Found in three cases; +8 twice.

Genes involved and Proteins

AML1’s partner is still unknown

Location: 16q24

AM1

Location: 21q22

DNA / RNA
Transcription is from telomere to centromere.

Protein
Contains a Runf domain and, in the C-term, a transactivation domain; forms heterodimers; widely expressed; nuclear localisation; transcription factor (activator) for various hematopoietic-specific genes.

References


This article should be referenced as such: