t(2;21)(p11;q22)

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Clinics and pathology

Disease
M1 acute non lymhocytic leukemia (ANLL).

Etiology
No known prior exposure.

Epidemiology
Only one case to date, a 78 yr old male patient.

Prognosis
Death occurred during induction therapy.

Cytogenetics

Cytogenetics morphological
Sole anomaly in this patient.

Genes involved and proteins

Note
The gene in 2p11 is yet unknown, and, because cryptic t(12;21) ETV6 /AML1 are not rare, it is therefore uncertain whether this translocation involve a new AML1 partner.

AML1
Location
21q22

DNA/RNA
Transcription is from telomere to centromere

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

References


This article should be referenced as such: