Leukaemia Section

Short Communication

t(12;21)(q24;q22)

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Identity

t(12;21)(q24;q22) G-banding - Courtesy Melanie Zenger and Claudia Haferlach.

Clinics and pathology

Disease
Acute non lymphocytic leukemia (ANLL).

Etiology
May be treatment related.

Epidemiology
Only one case to date, a 66 yr old male patient.

Cytogenetics

Cytogenetics morphological
Sole anomaly in this patient.

Genes involved and proteins

Note
The gene in 12q24 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; forms heterodimers; widely expressed; nuclear localisation; transcription factor (activator) for various hematopoietic-specific genes.

References


This article should be referenced as such: