Leukaemia Section
Short Communication

t(14;21)(q22;q22)
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Clinics and pathology

Disease
Treatment related myelodysplastic syndrome (MDS) evolving towards acute non lymphocytic leukemia.

Etiology
The patient experienced a Hodgkin disease 36 mths before diagnosis of MDS.

Epidemiology
Only one case to date, a 38 yr old male patient.

Cytogenetics

Cytogenetics morphological
Complex karyotype, including a del(5q).

Genes involved and proteins

Note
The gene in 14q22 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: