Leukaemia Section
Short Communication

t(3;16)(q27;p13)
Jean-Loup Huret

Genetics, Dept Medical Information, University of Poitiers, CHU Poitiers Hospital, F-86021 Poitiers, France

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Clinics and pathology

Disease
B cell non Hodgkin lymphoma (NHL).

Epidemiology
Only 3 cases so far.

Clinics
The 3 patients had diffuse large B cell lymphoma (DLBCL); 2 of 2 patients were male patients, one presented with a history of follicular small cleaved cell lymphoma 15 years ago, when aged 47 year. This patient died 6 months later of progressive disease.

Cytogenetics

Additional anomalies
2 out of 2 cases had a t(14;18)(q32;q21) and both patients presented with MAKA (major karyotypic anomalies).

Genes involved and Proteins

BCL6
Location: 3q27
DNA / RNA
Spans on 25 kb; 11 exons.
Protein
Sequence-specific DNA binding transcriptional repressor.

MHC2TA
Location: 16p13
Protein
Non-DNA-binding transcriptional coactivator; transactivator of the major histocompatibility complex (MHC) class II genes.

Results of the chromosomal anomaly

Hybrid gene
Description
5'-MHC2TA/BCL6-3' fusion transcripts but also the 5'-BCL6/MHC2TA-3' fusion transcripts.

References


This article should be referenced as such: