

## t(3;16)(q27;p13)

### 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 yrs ago, when aged 47 yr. This patient died 6 mths later of progressive disease.

### Cytogenetics

**Additional anomalies** 2 out of 2 cases had a [t\(14;18\)\(q32;q21\)](#) and both patients presented with MAKAs (major karyotypic anomalies)

### Genes involved and Proteins

**Gene Name** [BCL6](#)

**Location** 3q27

**Dna / Rna** spans on 25 kb; . 11 exons

**Protein** Sequence-specific DNA binding transcriptional repressor

**Gene Name** [MHC2TA](#)

**Location** 16p13

**Protein** Non-DNA-binding transcriptional coactivator; transactivator of the major histocompatibility complex (MHC) class II genes

### Result of the chromosomal anomaly

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

### External links

**Other database** [t\(3;16\)\(q27;p13\)](#) [Mitelman database \(CGAP - NCBI\)](#)

**Other** [t\(3;16\)\(q27;p13\)](#) [CancerChromosomes \(NCBI\)](#)

database

## To be noted

Additional cases are needed to delineate the epidemiology of this rare entity:

**you are welcome to submit a paper to our new [Case Report section](#).**

## Bibliography

### **Concurrent chromosomal alterations at 3q27, 8q24 and 18q21 in B-cell lymphomas.**

Au WY, Gascoyne RD, Viswanatha DS, Skinnider BF, Connors JM, Klasa RJ, Horsman DE.

Br J Haematol. 1999; 105: 437-440.

Medline [10233417](#)

### **Identification of heterologous translocation partner genes fused to the BCL6 gene in diffuse large B-cell lymphomas: 5'-RACE and LA - PCR analyses of biopsy samples.**

Yoshida S, Kaneita Y, Aoki Y, Seto M, Mori S, Moriyama M.

Oncogene. 1999; 18: 7994-7999.

Medline [10637510](#)

### **Detection of translocations affecting the BCL6 locus in B cell non-Hodgkin's lymphoma by interphase fluorescence in situ hybridization.**

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Leukemia. 2001;15: 1475-1484.

Medline [11516111](#)

### **Detection of reciprocal fusion 5'-BCL6/partner-3' transcripts in lymphomas exhibiting reciprocal BCL6 translocations.**

Kaneita Y, Yoshida S, Ishiguro N, Sawada U, Horie T, Mori S, Moriyama M.

Br J Haematol. 2001; 113: 803-806.

Medline [11380473](#)

## Contributor(s)

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