

## CASE REPORTS in HAEMATOLOGY

### A case of pre-B ALL with t(8;14)(q11;q32).

**Gitte Birk Kerndrup, Steen Rosthøj**

#### Clinics

Age and sex : 11 yr old male patient

Previous history : no preleukemia; no previous malignant disease; -no inborn condition of note;

Organomegaly : hepatomegaly; splenomegaly; no enlarged lymph nodes; no central nervous system involvement

#### Blood

WBC : WBC:  $4.3 \times 10^9/l$ ; Hb : 3.3 g/dl; platelets :  $16 \times 10^9/l$ ; blasts : 2%

Bone marrow : 99% blasts%

#### Cyto pathology classification

Cytology and immunophenotype : ALL-L1; CD19+/CD10+/Tdt+

Rearranged Ig Tcr : IgH: +, TCR: +

Precise diagnosis : pre-B ALL

#### Survival

Date of diagnosis: August 2000

Complete remission was obtained

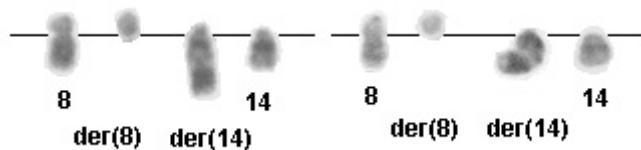
Status : Alive

Survival : 10 months +

#### Karyotype

Sample : peripheral blood sample; culture time : 24h culture; banding : G-banding

Results : 49,XY,+X,t(8;14)(q11;q32),+12,+21[15]/46,XY[10]



t(8;14)(q11;q32) G- banding - Gitte Birk Kerndrup, Steen Rosthøj

#### Comments

This case. an eleven year old boy does not have Down syndrome or other inborn

genetic conditions. His spleen and liver were remarkably enlarged (spleen: to the umbilical plane, liver: 4 fingers below the costal margin). He had no lymph node involvement, nor CNS- or testis disease. He did not, on flowcytometric immune phenotyping, show evidence of bilineage differentiation. The phenotype was the usual for a pre-B ALL (CD10+/CD19+/Tdt+).

#### Internal links

Atlas Card [t\(8;14\)\(q11;q32\)](#)

Case Report [A case of Down syndrome with acute lymphoblastic leukemia and t\(8;14\)\(q11;q32\)](#)

Case Report [A new case of t\(8;14\)\(q11;q32\) in an acute lymphoblastic leukemia](#)

#### Bibliography

##### **t(8;14)(q11;q32).**

Huret JL

Atlas Genet Cytogenet Oncol Haematol. November 1999; URL :

<http://www.infobiogen.fr/services/chromcancer/Anomalies/t0814ID1112.html>

##### **Acute lymphoblastic leukemia wit an unusual t(8;14)(q11.2;q32): a Pediatric Oncology Group Study.**

Kaleem Z, Shuster JJ, Carroll AJ, Borowitz MJ, Pullen DJ, Camitta BM, Zutter MM, Watson

Leukemia 2000; 14: 238-40.

##### **Cytogenetic findings in a population-based series of 787 childhood acute lymphatic leukemia.**

Forestier E, Johannsson B, Borgström G, Kerndrup G, Johannsson J, Heim S.

Leukemia 2000; 64: 194-200.

#### Contributor(s)

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