

Leukaemia Section

Short Communication

t(8;9)(q24;q13)

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Clinics and pathology

Disease

Non Hodgkin lymphoma and acute lymphoblastic lymphoma.

Phenotype/cell stem origin

B-cell malignancies.

Epidemiology

3 cases to date: a stage IIIA mantle cell lymphoma in a male aged 58 years (Au et al., 2000; Au et al., 2002), a follicular lymphoma in a female patient aged 44 years (Chen et al., 2001), and a pre-B acute lymphoblastic leukemia (ALL) in a female patient aged 60 years (Pedersen et al., 2001).

Evolution

Clinical data is available in the mantle cell lymphoma case, who reached complete remission, relapsed 2 years later, and died.

Cytogenetics

Additional anomalies

The mantle cell lymphoma case exhibited a complex karyotype with a t(11;14)(q13;q32), a t(9;14)(q13;q32) and other anomalies, the follicular lymphoma a t(1;14)(q21;q32), and the ALL case a complex karyotype, including +7, +12, add(14)(q32), and other anomalies. The follicular lymphoma case progressed towards a diffuse large cell lymphoma with a complex karyotype,

including +7, +17, +19, i(6p) and other anomalies.

Genes involved and proteins

Note

In the follicular lymphoma case with t(1;14)(q21;q32), there was deregulation of FCGR2B expression due to FCGR2B/IgH juxta-position.

References

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