t(1;18)(q25;q23)
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Clinics and pathology

Disease
Acute non lymphocytic leukemia (ANLL) and acute lymphocytic leukemia (ALL).

Phenotype/cell stem origin
M2 and M6ANLL, L2-ALL.

Etiology
1 case was a therapy related ANLL, and the 2 other cases were found in Down syndrome (DS) patients.

Epidemiology
Poorly known: only 3 cases to date; 3 female patients aged 1-13 years.

Prognosis
Yet unknown: cases dead at 1 month and alive at 2 months+ (2 DS cases), alive at 12 months+ (therapy related case).

Cytogenetics

Cytogenetics morphological
Found as -18, +der(18)t(1;18)(q25;q23) in 2 of the 3 cases; unbalanced form, with 2 normal chromosomes 1, a der(18), and a normal chromosome 18: --> partial trisomy for 1q25-1qter and monosomy for 18q23-qter; reminiscent of the t(1;19)(q23;p13) unbalanced form.

References


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