Leukaemia Section

Mini Review

dic(7;9)(p11-13;p11)

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Identity

dic(7;9)(p11-13;p11) G-bandning - Courtesy Cytogenetics Laboratory of the CCRI, Children's Cancer Research Institute, Vienna.

Clinics and pathology

Disease
ALL

Phenotype / cell stem origin
FAB L1 phenotype; pre-B immunophenotype, cIg+ or cIg-

Epidemiology
<1% of childhood ALL, age ≤6 years; 3% of childhood ALL with 9p abnormalities; rarely also found in elderly ALL patients; occasionally associated with Ph+ ALL.

Clinics
Organomegaly

Prognosis
Unknown

Cytogenetics

Note: Several dicentric chromosomes found in childhood ALL are formed from the q arms of chromosomes 7, 9, 12, and, 17 with partial loss of the respective p arms.

Cytogenetics, morphological
Unbalanced; formation of a dicentric chromosome resulting in partial monosomies of 7p and 9p → hypodiploid with 45 chromosomes

Additional anomalies
del(6q), dup(1p), del(8)(p22), …

Genes involved and Proteins

Note: Genes involved are unknown.
References


This article should be referenced as such: Strehl S. dic(7;9)(p11-13;p11). Atlas Genet Cytogenet Oncol Haematol.2006;10(2):110-111.