Leukaemia Section

Short Communication

t(12;14)(p13;q32)

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Clinics and pathology

Disease
Acute lymphoblastic leukemia.

Phenotype / cell stem origin
Pre B ALL.

Epidemiology
Only one case to date; no age nor gender data.

Prognosis
No data.

Cytogenetics

Cytogenetics molecular
Cryptic translocation; recognized by multicolor FISH plus locus-specific FISH.

Additional anomalies
Hyperploidy (57 chromosomes).

Genes involved and Proteins

ETV6
Location: 12p13
Protein
53 and 57 kDa; contains, from N-term to C-term, an helix -loop-helix (HLH) domain (or 'sterile alpha domain' SAM) responsible of dimerization, and a sequence specific DNA-binding domain (ETS domain); binds to 5’ CCGGAAGT 3’; ETV6 is a member of the ETS family of transcription factors; transcriptional repressor.

IGH
Location: 14q32

References


This article should be referenced as such: