t(8;11)(p12;p15)

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Clinics and pathology

Disease
Acute myeloid leukaemia (AML).

Epidemiology
Two cases to date, two male patients, one was aged 50 yrs, and had a M4-AML (Larson et al., 1983; Sohal et al., 2001).

Prognosis
One patient died "following chemotherapy", the other one at 19 mths after diagnosis.

Cytogenetics

Additional anomalies
+8, i(17q) in one case, del(9q) in the other case.

Genes involved and proteins

Note
In one case (Sohal et al., 2001), the genes were studied. FGFR1 was found involved; the breakpoint on the other chromosome fell within or near NUP98, but the involvement of NUP98 could not be proved.

FGFR1
Location
8p12

Protein
Receptor tyrosine kinase; contains an extracellular ligand-binding domain with Ig-like structures, a transmembrane domain, and a cytosolic tyrosine kinase (TK) domain. Involved in signal transduction.

References


This article should be referenced as such: