

Leukaemia Section

Short Communication

t(3;3)(p24;q26)

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Clinics and pathology

Disease

Myelodysplastic syndrome.

Epidemiology

Only one case to date, a 5 year old girl.

Prognosis

No data.

Cytogenetics

Cytogenetics, morphological

Other anomalies were: -7 and +21.

Genes involved and Proteins

Note: The partner of EVI1 is yet unknown.

EVI1

Location: 3q26.2

Protein

Transcription factor; EVI1 targets include: GATA2, ZBTB16 /PLZF, ZFPM2/FOG2, JNK and the PI3K/AKT pathway. Role in cell cycle progression, likely to be cell-type dependant; antiapoptotic factor; involved in neuronal development organogenesis; role in hematopoietic differentiation.

References

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