

t(12;12)(p13;q13)

Clinics and Pathology

Disease myelodysplastic syndrome (MDS)

Epidemiology only 1 case to date: a 72 yr old female patient with RAEB1 which progressed to acute non lymphocytic leukemia (ANLL)

Cytogenetics sole anomaly in this patient

Prognosis The patient died 3 mths after diagnosis

Genes involved and Proteins

Gene Name [HGMA2](#)

Location 12q15

Protein probable role in regulation of cell proliferation (transcriptional regulation of cell cycle and DNA repair genes)

Result of the chromosomal anomaly

Fusion Protein Description ectopic expression of HMGA2

External links

Other database [t\(12;12\)\(p13;q13\)](#) [Mitelman database \(CGAP - NCBI\)](#)

Other database [t\(12;12\)\(p13;q13\)](#) [CancerChromosomes \(NCBI\)](#)

To be noted

Additional cases are needed to delineate the epidemiology of this rare entity:
you are welcome to submit a paper to our new [Case Report section](#).

Bibliography

Disruption and aberrant expression of HMGA2 as a consequence of diverse chromosomal translocations in myeloid malignancies.

Odero MD, Grand FH, Iqbal S, Ross F, Roman JP, Vizmanos JL, Andrieux J, Lai JL, Calasanz MJ, Cross NC.
Leukemia. 2005; 19: 245-252.
Medline [15618963](#)

Contributor(s)

Written 05-2005 Jean Loup Huret

Citation

This paper should be referenced as such :

© *Atlas of Genetics and Cytogenetics in Oncology and Haematology*
