

# Leukaemia Section

## Short Communication

### t(8;12)(q22;q13)

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## Clinics and pathology

### Disease

Myeloproliferative/myelodysplastic syndrome (MPD/MDS).

### Epidemiology

Only 1 case to date: a 53yr old female patient with atypical chronic myelogenous leukemia (aCML) (with no BCR-ABL rearrangement).

### Cytogenetics

Sole anomaly in a subclone; accompanied with del(13q) in another one.

## Genes involved and proteins

### 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.

## References

Odero MD, Grand FH, Iqbal S, Ross F, Roman JP, Vizmanos JL, Andrieux J, Lai JL, Calasanz MJ, Cross NC. Disruption and aberrant expression of HMGA2 as a consequence of diverse chromosomal translocations in myeloid malignancies. *Leukemia*. 2005 Feb;19(2):245-52

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