

# Leukaemia Section

## Short Communication

### t(15;21)(q22;q22)

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## Clinics and pathology

### Disease

Treatment related myelodysplastic syndrome (MDS) evolving towards acute non lymphocytic leukemia.

### Etiology

The patient experienced a mantle cell lymphoma 52 mths before diagnosis of MDS.

### Epidemiology

Only one case to date, a 56 yr old male patient.

## Cytogenetics

### Cytogenetics morphological

Sole anomaly.

## Genes involved and proteins

### Note

The gene in 15q22 is yet unknown, and, because cryptic t(12;21) ETV6 /AML1 are not rare, it is therefore uncertain whether this translocation involve a new AML1 partner.

### AML1

#### Location

21q22

#### DNA/RNA

Transcription is from telomere to centromere

#### Protein

Contains a Runt domain and, in the C-term, a transactivation domain; forms heterodimers; widely expressed; nuclear localisation; transcription factor (activator) for various hematopoietic-specific genes.

## References

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