Leukaemia Section
Short Communication

**t(18;21)(q21;q22)**

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### Genes involved and proteins

**Note**
The gene involved in 18q21 is unknown.

**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


This article should be referenced as such:


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**Clinics and pathology**

**Disease**
Acute non lymphocytic leukemia (ANLL) secondary to toxic exposure.

**Note**
Only one case, but with features identical to 2 other cases: one case of t(1;21)(p36;q22), and one case of t(19;21)(q13.4;q22).

**Phenotype/cell stem origin**
M2-ANLL

**Etiology**
About 50 years after radiation exposure from nuclear explosion.

**Clinics**
Pancytopenia preceeded leukemia.

**Evolution**
Complete remission was obtained and the patient returned to the previous pancytopenia; subsequent relapse occurred.