Case Report Section
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**t(3;7)(q26;q21) as a secondary abnormality in MDS RAEB-2**

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### Clinics

**Age and sex**
72 years old male patient.

**Previous history**
No preleukemia; no previous malignancy; no inborn condition of note.

**Organomegaly**
No hepatomegaly, no splenomegaly, no enlarged lymph nodes, no central nervous system involvement.

### Blood

- **WBC**: 12.700X 10^9/l
- **HB**: 11.9g/dl
- **Platelets**: 70.000X 10^9/l
- **Blasts**: 15%

**Bone marrow**: 15 (The hypercellular bone marrow shows 15% blasts and multilineage dysplasias. Granulopoiesis shows significant dysplasia and dysplasias were also found in the decreased erythropoiesis and thrombopoiesis. No Auer rods were detected.)

### Imunophenotype

- 12% myeloid blasts CD33+, CD117+; 31% hypogranulated granulocytes; 11% monocytes CD56+.

### Survival

**Date of diagnosis**: 07-2008
**Status**: Lost

### Karyotype

**Sample**: bone marrow
**Culture time**: 24 - 72h
**Banding**: GAG.

**Results**: 46,XY.del(20)(q11) [2]/46,XY.idem, t(3;7)(q26;q21)[14].

**Other molecular cytogenetics techniques**:
FISH with commercial EVI/3q26 probe (Kreatech).
**Other molecular cytogenetics results**:
65% cells with EVI-rearrangement.

**Partial GTG-karyotype showing t(3;7)(q26;q21).**
5 cases with t(3;7)(q26;q21) were described so far in literature. 4 cases showed chronic myeloid leukemia with t(3;7)(q26;q21) as an additional aberration to t(9;22)(q34;q11) (Storlazzi et al., 2004; Bobadilla et al., 2007; Tien et al., 1989). One case suffered from acute myeloid leukemia (NOS) and had a trisomy 13 as additional aberration to t(3;7)(q26;q21) (Madrigal et al., 2006). The here described case - a 72-year-old male - had a MDS RAEB-2 (FAB) and the t(3;7)(q26;q21) was found as additional aberration to a 20q-deletion. So in this case for the first time a t(3;7)(q26;q21) was found in MDS and the translocation appears also as secondary aberration as seen in 4 cases with CML before.

**Call for Collaborations**

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**References**


This article should be referenced as such: