Translocation (X;20)(q13;q13.3): a nonrandom abnormality in four patients with myeloid disorders: case 2

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Clinics

Age and sex
61 years old female patient.

Previous history
Preleukemia: Myelofibrosis. Previous malignancy: A low-grade lobular and ductal carcinoma with a small percentage of intraductal breast disease treated with tamoxifen.

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

Blood
WBC: 3.05X 10^9/l
HB: 8.1g/dl
Platelets: 62X 10^9/l

Cyto-Pathology

Classification

Diagnosis
Myelofibrosis -> acute leukemia.

Survival

Treatment: Induction treatment: topotecan and cytarabine.
Relapse: no
Status: Alive
Survival: 55 months.

Karyotype

Sample: PB
Culture time: 24/48h unstimulated cultures.
Banding: G-banding.
Results:
46,X,t(X;20)(q13;q13.3),der(1;7)(q10;p10)[20]/46,XX[1].

Fig. 1. Partial karyotypes of the translocation t(X;20)(q13;q13.3) for cases 1-4 (top to bottom). Arrows indicate the derivatives 20 and X.
References


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