

The -7/del(7q) clonal chromosome abnormalities in Philadelphia negative cells have a poor prognostic value in chronic myeloid leukemia patients



Retrospective French multicenter study



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Chronic myeloid leukemia (CML) patients with clonal chromosome abnormalities in Philadelphia negative cells (CCA/Ph-)

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Abnormality of chromosome 7 (-7/del(7q))

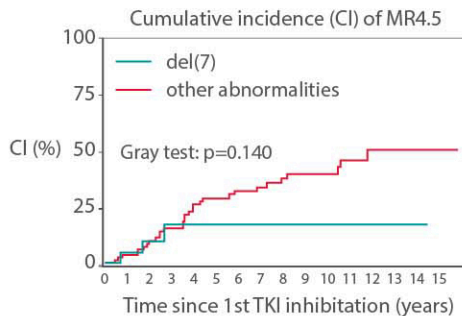


11

Myelodysplastic syndromes (MDS) patients without CML history presenting abnormal karyotype (control group)

4

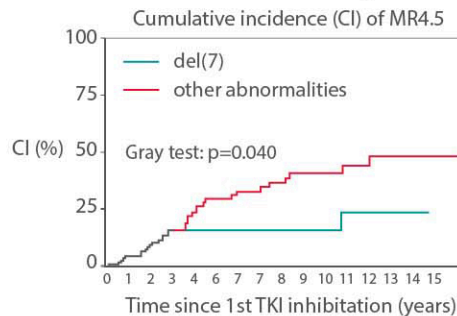
Abnormality of chromosome 7 (-7/del(7q))



Median time to MR4.5 after 1st TKI (years)

del(7)	other abnormalities	<i>p</i>
2.3 [0.66-10.5]	3.55 [0.5-11.77]	NS

Landmarked analyses



Landmarked analysis after 3 years of therapy identified adverse effect of -7/del(7q) CCA Ph- ($p=0.04$)

- Landmarked analyses at 3 years after first TKI initiation revealed a strong negative impact of -7/del(7q) CCA Ph- on event-free survival ($p=0.015$) and progression-free survival ($p=0.022$)