

t(11;17)(q23;q12) MLL/RARa

Clinics and Pathology

Disease	M5 acute non lymphocytic leukemia (ANLL)
Clinics	poorly known: one case, a 39 year old man with 47,XY,+5,t(11;17)(q23;q12)

Genes involved and Proteins

Gene Name	MLL
Location	11q23
Dna / Rna	21 exons, spanning over 100 kb; 13-15 kb mRNA
Protein	431 kDa; contains two DNA binding motifs (a AT hook, and Zinc fingers), a DNA methyl transferase motif, a bromodomain; transcriptional regulatory factor; nuclear localisation
Gene Name	RARa
Location	17q12-21
Protein	wide expression; nuclear receptor; binds specific DNA sequences: HRE (hormone response elements); ligand and dimerization domain; role in growth and differentiation

External links

Other database	t(11;17)(q23;q12) MLL/RARa	Mitelman database (CGAP - NCBI)
Other database	t(11;17)(q23;q12) MLL/RARa	CancerChromosomes (NCBI)

To be noted

Additional cases are needed to delineate the epidemiology of this rare entity:

you are welcome to submit a paper to our new [Case Report section](#).

Bibliography

Involvement of the MLL and RARA genes in a patient with acute monocytic leukemia with t(11;17)(q23;q12).

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Contributor(s)

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Citation

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