

## t(12;17)(p13;q11-21) in ALL

### Clinics and Pathology

<b>Disease</b>	Acute lymphoblastic leukaemia (ALL)
<b>Note</b>	Identical or similar translocations have been reported rarely in acute myeloid leukemia (AML) and acute mixed lineage leukaemia ( <a href="#">t(12;17)(p13;q11-21) in AML</a> ).
Phenotype / cell stem origin	Most reports indicate an early pre-B immunophenotype, frequently characterised by low CD10 and positivity of the myeloid marker CD33.
Epidemiology	Rare; non-random translocation that predominantly occurs in children and young adults. No definable sex bias.
Prognosis	Early reports suggested that prognosis may be poor, but there are currently too few reported cases to define a robust association.

### Cytogenetics

Cytogenetics	The chromosome 17q breakpoint has been defined in different reports to be between q11-q21. The chromosome 12 breakpoint has been confirmed to be located in 12p13 telomeric to the <a href="#">ETV6/TEL</a> locus. The translocation occurs as the sole or primary event in approximately 50% of cases
Morphological	
Additional anomalies	No consistent picture and only +21 has been reported in more than one case.

### Genes involved and Proteins

Note	Breakpoint on 12p13 telomeric to TEL. Currently the genes involved on both chromosome 12 and 17 are unidentified.
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### 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

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