

TRANSLOCATIONS

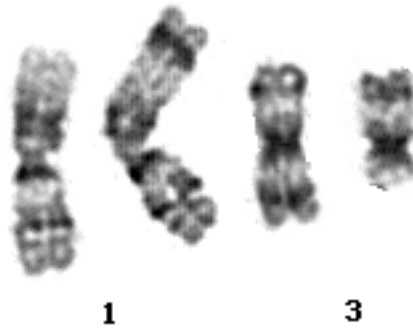
Abnormal chromosome is on the right in each pair

Abnormality
(major
breakpoint
or
breakpoint
range)

Disorder



t(1;3)(p36.1;q21)



t(1;3)(p36.1;q21)

t(1;3)
(p36.1;q21)

AML



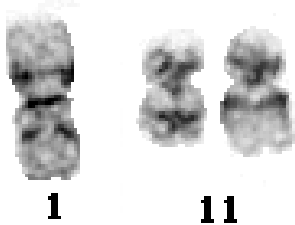
t(1;7)(q10;p10)



t(1;7)(q10;p10)

der(1;7)
(q10;p10)

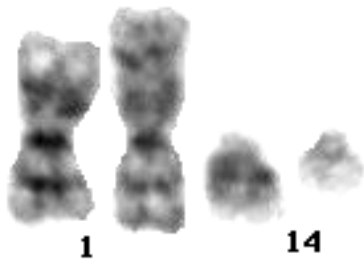
MDS



t(1;11)(p31;q23)

t(1;11)
(p32;q23)

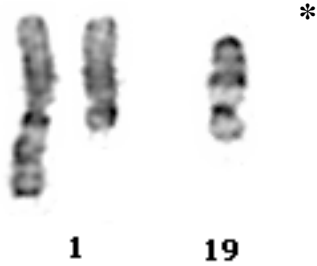
ALL



t(1;14)(p32-34;q11.2)

t(1;14)(p32-34;q11.2)

ALL



t(1;19)(q23;p13.3)

t(1;19)
(q23;p13.3)

ALL



t(2;8)(p11.2;q24.1)



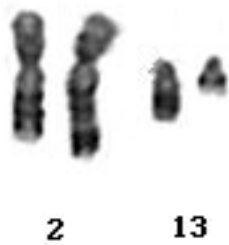
t(2;8)(p12;q24.1)

t(2;8)(p12;q24.1)

ALL,

Burkitt's
Lymphoma

(variant of t(8;14))



t(2;13)(q35;q14)



t(2;13)(q35;q14)

t(2;13)(q35;q14)

Alveolar
rhabdomyosarcoma



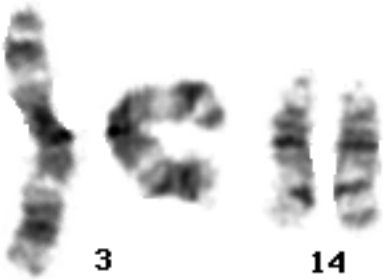
t(3;3)(q21;q26.2)



t(3;3)(q21;q26.2)

t(3;3)(q21;
q26.2)

AML, MDS



t(3;14)(q27;q32)



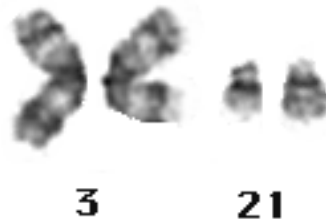
t(3;14)(q27;q32)

t(3;14)(q27;
q32)

Diffuse lg. cell or
follicular B-
NonHodgkins
Lymphoma



t(3;21)(q26.2;q22)



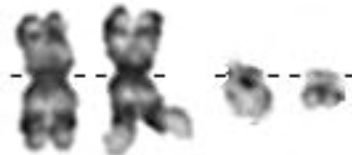
t(3;21)(q26.2;q22)

t(3;21)
(q26.2;q22)

AML, MDS





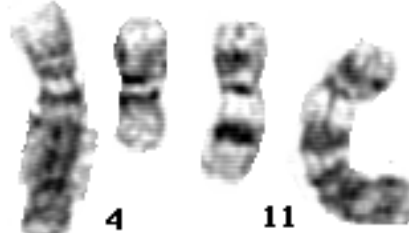


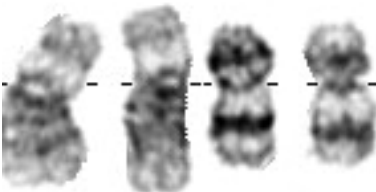
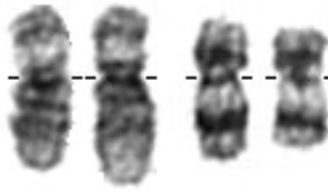
t(3;22)(q27;q11.2)


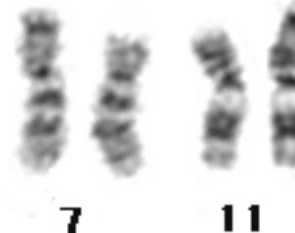

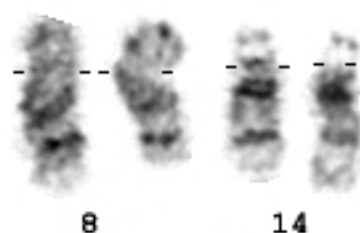
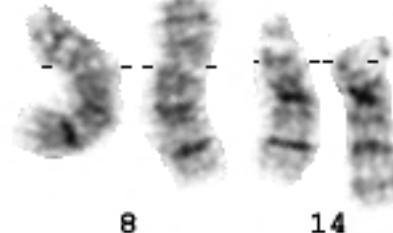

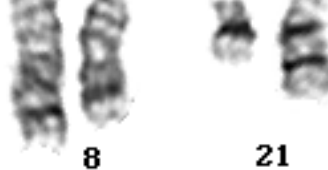
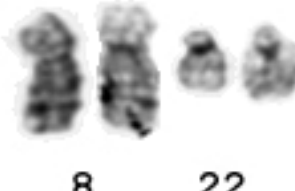
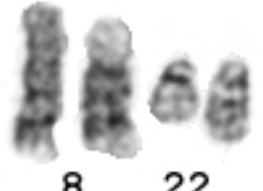


t(3;22)(q27;q11.2)

t(3;22)(q27;
q11.2)

Diffuse lg. cell or
follicular B-
NonHodgkins
Lymphoma

 <p>4 11 t(4;11) (q21;p15)</p>		<p>t(4;11)(q21; p15)</p>	<p><u>T-ALL</u></p>
 <p>4 11 t(4;11)(q21;q23)</p>	 <p>4 11 t(4;11)(q21;q23)</p>	<p>t(4;11)(q21; q23)</p>	<p><u>ALL</u></p>
 <p>6 9 t(6;9)(p23;q34)</p>	 <p>6 9 t(6;9)(p23;q34)</p>	<p>t(6;9)(p23; q34)</p>	<p><u>AML, MDS</u></p>
 <p>6 11 t(6;11) (q27;q23)</p>	 <p>6 11 t(6;11) (q27;q23)</p>	<p>t(6;11) (q27;q23)</p>	<p><u>AML</u></p>

 <p>7 11</p> <p>t(7;11)(p15;p15)</p>	 <p>7 11</p> <p>t(7;11)(p15;p15)</p>	<p>t(7;11) (p15;p15)</p>	<p><u>AML</u></p>
 <p>(14's unavailable)*</p> <p>8</p> <p>t(8;14)(q24.1;q11.2)</p>		<p>t(8;14) (q24.1; q11.2)</p>	<p><u>ALL</u> (T-lineage)</p>
 <p>8 14</p> <p>t(8;14)(q24.1;q32)</p>	 <p>8 14</p> <p>t(8;14)(q24.1;q32)</p>	<p>t(8;14) (q24.1;q32)</p>	<p><u>ALL, Burkitt's lymphoma</u></p>
 <p>8 21</p> <p>t(8;21)(q22;q22)</p>	 <p>8 21</p> <p>t(8;21)(q22;q22)</p>	<p>t(8;21) (q22;q22)</p>	<p><u>AML</u></p>
 <p>8 22</p> <p>t(8;22) (q24.1;q11.2)</p>	 <p>8 22</p> <p>t(8;22) (q24.1;q11.2)</p>	<p>t(8;22) (q24.1; q11.2)</p>	<p><u>CML</u> , <u>AML</u></p>



t(8;22)(q24.1;q11.2)



t(8;22)(q24.1;q11.2)

t(8;22)
(q24.1;
q11.2)

[AML, Burkitt's lymphoma](#) (variant of t(8;14))

*in some cases, derivative chromosomes had to be used from unbalanced translocations

go to [translocations pg 2](#)

[Deletions](#) | [Inversions/Isochromosomes](#) | [Translocations 1](#) | [Translocations 2](#)

University of Wisconsin Cytogenetic Services