

## Lymphoplasmacytic lymphoma

### Clinics and Pathology

<b>Disease</b>	lymphoplasmacytic lymphoma (LPL) includes most cases of <a href="#">Waldenstrom's macroglobulinemia</a> and consists of a diffuse proliferation of small lymphocytes, plasmacytoid lymphocytes and plasma cells; the typical histologic features of <a href="#">small lymphocytic lymphoma</a> , <a href="#">mantle cell lymphoma</a> and <a href="#">marginal zone lymphoma</a> must be absent
Phenotype / cell stem origin	B-cell antigens are positive; whereas CD5 and, usually, CD23 test negative; the cells express surface and cytoplasmic IgM and are IgD-. CD10 is negative, whereas a proportion of cases have faint CD25 and CD11c expression; the postulated normal counterpart is a B-lymphocyte differentiating into an IgM-secreting plasma cell

### Cytogenetics

Note	the number of cases studied is small and the interpretation of data must take into account possible variability of histologic classification
Cytogenetics Morphological	the <a href="#">t(9;14)(p13;q32)</a> , fusing the <a href="#">IgH</a> gene with the BSAP (B-cell specific activator protein), also called <a href="#">PAX5</a> , was found in 50% of the cases in a study; this balanced translocation cannot be viewed as specific for this lymphoma, having been reported in rare marginal zone lymphomas and <a href="#">large cell lymphomas</a> . other recurrent anomalies include 14q32 translocations with 8q24 ( <a href="#">t(8;14)(q24;q32)</a> ), 18q21 ( <a href="#">t(14;18)(q32;q21)</a> ), trisomies of chromosomes 3 ( <a href="#">+3</a> ) and 12 ( <a href="#">+12</a> ) and an isochromosome 6p ( <a href="#">i(6p)</a> )

### Bibliography

**t(9,14)(p13;q32) denotes a subset of low-grade non Hodgkin's lymphoma with plasmacytoid differentiation.**

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## Citation

*This paper should be referenced as such :*

**Cuneo A and Castoldi GL** . Lymphoplasmacytic lymphoma. Atlas Genet Cytogenet Oncol Haematol. May 2000 .

URL : <http://AtlasGeneticsOncology.org/Anomalies/LPLID2074.html>

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