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Chronic Lymphocytic Leukemia: New Insights and Future Directions

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Message from the Guest Editor

Chronic lymphocytic leukemia (CLL) is the most common leukemia in Western countries.

The prognosis for CLL mainly depends on the presence or absence of specific genetic aberrations, which include del(11q), del(17p), TP53 dysfunction, and immunoglobulin heavy-chain gene mutations. Recently, published evidence elucidated targeting B-cell leukemia/lymphoma 2, Bruton's tyrosine kinase, and phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit delta, all which are considered promising and reliable targets for CLL treatment. However, these shreds of evidence elucidating favorable outcomes and prolonged progression-free survival in patients treated with these therapies are insufficient to reach robust conclusions and guidelines for treatment.

In this context, we aim to explore the epidemiology, microenvironment, gene mutations, and promising treatment targets for CLL in this Special Issue. The scope of the Special Issue is deliberately kept broad, which would allow coverage of a wide range of perspectives and different topics related to CLL pathogenesis and management, with particular emphasis on new insights and future directions.



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Special Issue



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