Understanding Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma: Relapsed/Refractory

Chronic lymphocytic leukemia (CLL) and small lymphocytic lymphoma (SLL) are forms of non-Hodgkin lymphoma (NHL) that arise from B lymphocytes. CLL and SLL are essentially the same disease, with the only difference being the location where the cancer primarily occurs.

When most of the cancer cells are located in the bloodstream and the bone marrow, the disease is referred to as CLL, although the lymph nodes and spleen are often involved. When the cancer cells are located mostly in the lymph nodes and are less frequent in the blood, the disease is called SLL.

The outlook for patients with CLL/SLL has improved in recent years, but the disease course still varies widely. Many patients with CLL do not require treatment at diagnosis and perhaps for months to years thereafter. Other patients with CLL/SLL respond to initial treatment and go into remission (disappearance of signs and symptoms). Others experience a refractory (does not respond to treatment) disease course, and their cancer stops responding to frontline (initial) therapy or relapses (disease returns after treatment). For patients whose disease becomes refractory or relapses, subsequent therapies may be successful in providing another remission.

Chlorambucil plus obinutuzumab
• Bendamustine (Treanda) + rituximab
• Acalabrutinib (Calquence) +/- obinutuzumab

Biosimilar therapies (drugs that are modeled after an existing biologic therapy) may be an option for patients who are taking rituximab. These include rituximab-abbs and rituximab-pvnr. For more information on biosimilar therapies visit lymphoma.org/publications for our Biosimilar Therapies factsheet. Multiple other agents are available and treatment selection is often dictated by specific patient factors. Options should be discussed with the patient’s oncologist or hematologist, and ideally one that specializes in CLL.

1 NCCN Guidelines for Patients CLL p. 22 Relapsed or refractory CLL; Kipps 2017
2 LRF18204 CLLSLL Booklet_D3v3 p.70 What is relapsed or refractory CLL/SLL?
3 NCCN Patient Guidelines p.24 Relapse or refractory CLL
4 NCCN Patient Guidelines p.24 Relapse or refractory CLL
TREATMENTS UNDER INVESTIGATION

Many treatments are currently being tested in clinical trials for patients with both newly diagnosed and relapsed/refractory CLL/SLL. The efficacy and safety of agents such as, ME-401, SNX-5422, DTRMWXHS-12, XmAb13676, pembrolizumab (Keytruda), ublituximab, umbralisib, nivolumab (Opdivo), tafasitamab, and cerdulatinib are being investigated alone or as part of combination therapy regimens in patients with relapsed/refractory disease. Another area of research for treating CLL is genetically engineered T cells designed to recognize and kill CLL cells, referred to as chimeric antigen receptor (CAR) T-cell therapy. Finally, researchers are also investigating ways to improve stem cell transplantation in patients with CLL/SLL. It is critical to remember that today’s scientific research is continuously evolving. Treatment options may change as new treatments are discovered and current treatments are improved. Therefore, it is important that patients check with their physician or with LRF for any treatment updates that may have recently emerged.

CLINICAL TRIALS

Clinical trials are crucial for identifying effective drugs and determining optimal doses for patients with lymphoma. Patients interested in participating in a clinical trial should view the Understanding Clinical Trials fact sheet on LRF’s website at lymphoma.org/publications, talk to their physician, or contact the LRF Helpline for an individualized clinical trial search by calling [800] 500-9976 or emailing helpline@lymphoma.org.

MINIMAL RESIDUAL DISEASE

Testing for minimal residual disease (MRD, or measurable residual disease) is often done in clinical trials to detect cancer cells that remain in the blood or bone marrow during and after the completion of treatment. Using very sensitive laboratory techniques one abnormal cell can be detected among 10,000 healthy blood cells. Studies have found that patients with lower levels of MRD (fewer cancer cells remaining after the completion of treatment) may have a longer remission. Studies are underway to investigate whether MRD testing may be used to shorten the course of treatment for patients with undetectable levels of cancer cells in their blood before they have completed a full course of therapy.

FOLLOW-UP

Because CLL/SLL is generally characterized by multiple disease relapses after responses to a variety of treatments, patients in remission should have regular visits with a physician who is familiar with their medical history and the treatments they have received. Medical tests [such as blood tests, computed tomography (CT) scans, and positron emission tomography (PET) scans] may be required at various times during remission to evaluate the need for additional treatment.

Some treatments can cause long-term side effects or late side effects, which can vary based on the duration and frequency of treatments, age, gender, and the overall health of each patient at the time of treatment. A physician will check for these side effects during follow-up care. Visits may become less frequent the longer the disease remains in remission.

Patients and their caregivers are encouraged to keep copies of all medical records and test results as well as information on the types, amounts, and duration of all treatments received. This documentation will be important for keeping track of any side effects resulting from treatment or potential disease recurrences. LRF’s award-winning Focus On Lymphoma mobile app (lymphoma.org/mobileapp) can help patients manage this documentation.

Resources

LRF offers a wide range of resources that address treatment options, the latest research advances, and ways to cope with all aspects of lymphoma and CLL/SLL, including our award-winning mobile app. LRF also provides many educational activities, from in-person meetings to webinars for people with lymphoma, as well as an Understanding Chronic Lymphocytic Leukemia and Small Lymphocytic Lymphoma patient guide and CLL/SLL e-Updates that provide the latest disease-specific news and treatment options. To learn more about any of these resources, visit our websites at lymphoma.org/CLL or lymphoma.org, or contact the LRF Helpline at [800] 500-9976 or helpline@lymphoma.org.

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