

### Take Action

**Educate yourself:** Learn about the types of biomarker tests available and what they can reveal about your CLL.

**Ask questions:** Don't hesitate to ask your doctor how test results will impact your treatment plan.

**Discuss your goals:** Share your concerns about treatment side effects or the impact on your lifestyle.

**Don't forget to bring a support system:** Have a loved one accompany you to appointments to help take notes and to provide support.

#### Common CLL Biomarkers

- Deletion 17p (Del 17p)
- Deletion 11q (Del 11q)
- Deletion 13q (Del 13q)
- Trisomy 12
- TP53 Gene Mutation
- IgVH Gene Mutation

#### Factors That Influence Treatment Decisions

- The stage and aggressiveness of the disease.
- The patient's overall health, including their age and any coexisting conditions.
- CLL symptoms.
- The specific characteristics of the CLL cells, such as genetic mutations or chromosomal abnormalities.

### Glossary

**Biomarker Testing (molecular testing):** Laboratory testing that identifies certain genes, proteins, or other molecules in a sample of tissue, blood, or other body fluid. In cancer, it may also be used to evaluate treatment or to make a prognosis.

**IGHV Mutation:** CLL patients with mutated IGHV may have a longer time to treatment and can have different responses and duration of responses specific to chemotherapy.

**Fluorescence in Situ Hybridization (FISH):** A chromosome test used to identify specific genes or chromosome changes.

**Flow Cytometry:** Analyzes your blood and bone marrow cells in order to classify the cell types and to determine your disease risk as well as appropriate treatment plan.

#### Patient Empowerment Network CLL Resources

- [Office Visit Planners](#)
- [Insist! CLL](#)
- [The CLL Pro-Active Patient Toolkit](#)
- [Clinical Trials 201](#)

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