

**someday is today™**





LEUKEMIA &  
LYMPHOMA  
SOCIETY®


fighting blood cancers

# Living With CLL

Chronic Lymphocytic Leukemia

## CLL - Chronic Lymphocytic Leukemia

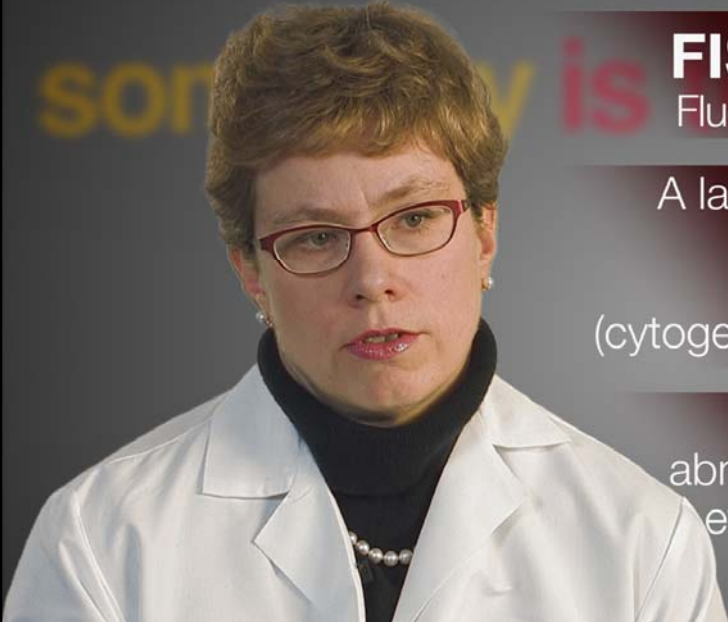
-  Chronic blood cancer
-  Results from an acquired mutation (change) to the DNA of a single marrow cell that develops into a lymphocyte (cell that fights infection)



## Flow Cytometry

A method of counting types of cells with fluorescent tags on the surface of the cells

Often used to determine the type of leukemia cells that are present



## FISH Test

Fluorescence In Situ Hybridization

A lab test performed on blood or bone marrow cells to detect chromosome changes (cytogenetic analysis) in cancer cells

Helps identify genetic abnormalities that may not be evident under a microscope

### Watch and Wait

(watchful waiting)

An approach in which a doctor closely observes a patient's condition with periodic medical exams and lab tests, without giving drugs or other forms of treatment for the disease




### Chemoimmunotherapy

Chemotherapy drugs combined with an antibody drug







### FCR


Fludarabine,  
cyclophosphamide,  
and rituximab

Common for younger,  
fitter patients



### Bendamustine + rituximab

Intermediate ages  
or fitness levels



**Chlorambucil +  
obinutuzumab**

Older patients with  
additional medical  
problems



**Clinical Trials**

Careful studies done by  
doctors to test new  
drugs or treatments  
or new uses for  
approved drugs  
or treatments

The goal is to improve  
treatment and quality  
of life, and to find cures

## Oral Targeted Inhibitors

### 🔴 Ibrutinib

Targets Bruton's tyrosine kinase (BTK)

### 🔴 Idelalisib

Targets PI3-kinase

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