

Treatment resistance may be the result of a mutation



WHY YOUR TREATMENT MAY STOP WORKING

The goal of treating chronic myeloid leukemia (CML) is to reduce levels of BCR-ABL1 and keep them low. BCR-ABL1 is the protein created by the mutated BCR-ABL gene that leads to the creation of leukemia cells. You and your healthcare provider should be monitoring your BCR-ABL1 levels every 3, 6, and 12 months when you're on treatment. Sometimes, medications start to lose their effectiveness over time. If you see your BCR-ABL1 levels rise, this may be due to treatment resistance.



WHY DOES CML BECOME RESISTANT TO A PARTICULAR TREATMENT?

One reason may be that over time, your CML has developed a mutation. A mutation is a change in a gene. For CML, it is a change in the BCR-ABL gene. This may cause a particular treatment to stop working.



GETTING A MUTATION TEST

Your healthcare provider can order a lab test to help determine whether your CML has developed a mutation. The test looks for mutations in the BCR-ABL gene. In many cases, it can be performed at the same facility where you've had other tests. **Talk to your healthcare provider about whether mutation testing is appropriate for you.** If your healthcare provider decides to test for a mutation, be sure to follow up with them to discuss the results. Keep in mind that more than one test may be needed to determine whether you have a mutation.



MUTATION TESTING CAN HELP GUIDE TREATMENT DECISIONS

The word "mutation" may sound scary. However, knowing whether your CML has developed a mutation can be critical in determining your next treatment option. **Today, there are treatments that work against CML with specific mutations. Knowing your mutation status may give you and your healthcare provider a powerful tool to help continue to control your CML.**



THE T315I MUTATION

One common mutation is the **T315I mutation**. **Talk to your healthcare provider about whether your mutation test shows the T315I mutation.** There are specific treatments that can be used against CML with the T315I mutation.

Talk to your healthcare provider about mutation testing

Download our Doctor Discussion Guide at [CMLtreatment.com](https://www.cmltreatment.com) or scan the code below to help get the conversation started.

Learn more about a treatment for CML at [CMLtreatment.com](https://www.cmltreatment.com), or scan this code.

