

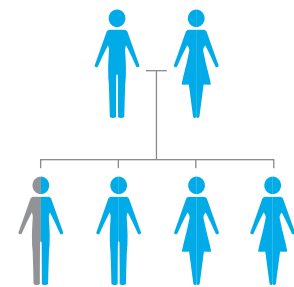
# Understanding Your Negative Epilepsy Genetic Test Result



INFORMATION FOR PATIENTS

Result	<b>NEGATIVE</b>	The testing done for you/your family member did not find any disease-causing gene changes (mutations) that cause epilepsy. Not everyone with epilepsy has a mutation in a gene in this test. You/your family member may have a mutation in a gene that was not included in this test. Also, some epilepsy is NOT caused by gene changes.
Gene	<b>DEFINITIONS</b>	Genes are instructions for how our bodies work and develop. Everyone has two copies of each gene, one from each parent. Mutations (changes in the gene, like spelling mistakes) in certain genes can cause epilepsy. These mutations may be passed down in families or be brand new for the person with epilepsy. Even if there is no one else with epilepsy in your family, it can still be caused by a change in a gene.
Diagnosis	<b>NO CHANGE</b>	This testing does not change you/your family member's epilepsy diagnosis. If you or your family member have been diagnosed with epilepsy, that remains the same.
Further Testing	<b>DISCUSS</b>	More genetic testing may be right for you. Please talk about this with your doctor or genetic counselor.
Management Options	<b>FOR PATIENTS WITH EPILEPSY</b>	Treatment options can include: medication, specific diet, vagus nerve stimulation, surgery, or avoiding certain situations that can bring on seizures. Talk to your doctor about which may be right for you/your family member.
Next Steps	<b>DISCUSS</b>	Please share this information with family members so they can talk with their doctors and learn more.
Reach Out	<b>RESOURCES</b>	<ul style="list-style-type: none"> <li>American Epilepsy Society <a href="http://aesnet.org">aesnet.org</a></li> <li>Citizens United for Research in Epilepsy <a href="http://cureepilepsy.org">cureepilepsy.org</a></li> <li>Epilepsy Foundation <a href="http://epilepsy.com">epilepsy.com</a></li> <li>Rare Epilepsy Network <a href="http://ren.rti.org">ren.rti.org</a></li> <li>National Society of Genetic Counselors <a href="http://nsgc.org">nsgc.org</a></li> <li>Canadian Association of Genetic Counsellors <a href="http://cagc-accg.ca">cagc-accg.ca</a></li> </ul>

## How Epilepsy Can Run in a Family

Even though no epilepsy gene mutations were found from testing, there may still be a gene change causing the epilepsy in you or your family member. Many people with epilepsy are the first person in their family to have it. Often, genetic testing can find a gene mutation for someone with epilepsy not found in other family members or passed down from a parent. In other families, gene changes that cause epilepsy can be inherited from earlier generations.



	Has epilepsy gene mutation		No epilepsy gene mutation
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Please discuss this information with your healthcare provider. The field of genetics is continuously changing, so updates related to your epilepsy genetic testing result, medical recommendations, and/or potential treatments may be available over time. This information is not meant to replace a discussion with a healthcare provider, and should not be considered or taken as medical advice.