Ambry Genetics®

Understanding Your VUS Hereditary Cancer Genetic Test Result

INFORMATION FOR PATIENTS WITH A VARIANT OF UNKNOWN SIGNIFICANCE

RESULT	The testing found one or more variants of unknown significance (VUS). There is not currently enough information available to know if the VUS identified is expected to cause an increased risk for cancer or not.
RECLASSIFICATION	Collecting information about a VUS is an ongoing process, so it is possible that your result may be better understood in the future. Ambry regularly reviews the data and published evidence about each VUS, and your healthcare provider will be notified if enough new information becomes available to reclassify your VUS. For this reason, it is recommended that you continue to follow-up with the healthcare provider that ordered your genetic testing.
CANCER RISK	Even though your genetic test result was a VUS, you and your relatives may still have an increased risk of developing cancer based on other factors, including your medical and/or family history. It is important to discuss these risk factors with your healthcare provider.
WHAT YOU CAN DO	Risk management decisions are very personal and depend on many factors. It is important to discuss these options with your healthcare provider and decide on a plan that works for you.
FAMILY	Certain family members may be eligible for genetic testing through our family studies program. In some cases, testing family members may help add to the understanding of your result. However, not all genes are well suited for family studies testing. To determine if your VUS is eligible for family studies testing, your healthcare provider can contact FamilyStudies@ambrygen.com.
RESOURCES	• American Cancer Society cancer.org • National Society of Genetic Counselors nsgc.org • Canadian Association of Genetic Counsellors cagc-accg.ca

Please discuss this information with your healthcare provider. The cancer genetics field is continuously evolving, so updates related to your genetic test result, medical recommendations, genetic testing options, 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 interpreted as medical advice.

WHAT VARIANT CLASSIFICATIONS MEAN

PATHOGENIC MUTATION (POSITIVE TEST RESULT)	Contains enough evidence showing it can cause a disease
VARIANT, LIKELY PATHOGENIC (VLP, POSITIVE TEST RESULT)	Strong evidence to suggest it causes a disease
VARIANT OF UNKNOWN SIGNIFICANCE (VUS)	Limited and/or conflicting evidence to suggest it may cause a disease
VARIANT, LIKELY BENIGN (VLB, NEGATIVE TEST RESULT)	Strong evidence to suggest it does not cause a disease
BENIGN (NEGATIVE TEST RESULT)	Contains enough evidence to show it does not cause a disease

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