Quest Advanced™ Oncology

Hereditary Cancer Genetic Test Results

This report is intended to facilitate a discussion between providers and their patients.

INFORMATION FOR INDIVIDUALS WITH A *VUS* IDENTIFIED IN A HEREDITARY CANCER GENE

What this result means

This genetic test found at least one variant of unknown clinical significance (VUS). At this time, there is not enough information to know whether this genetic change causes an increased risk for cancer or not.

Cancer risk

This VUS test result cannot be used to determine cancer risk. A person's cancer risks should be based on their own medical history and family history of cancer. A doctor, genetic counselor, or other qualified healthcare professional can help to estimate this risk.

Options for managing cancer risk

Each individual's gender, age, medical history, family history, quality of life goals, reproductive desires, general health status, and other medical information should be taken into account when developing a medical management plan.

Variant reclassification

Over time, we may learn more about this VUS and how it affects cancer risk. Quest will contact the ordering provider if the variant is reclassified. Patients should be encouraged to check in with their doctor or genetic counselor on a yearly basis so that any new information about this VUS can be shared. Please visit **QuestDiagnostics.com/VariantIQ** to learn more information out our variant reclassification and to request variant updates.

What this result means for family members

One way that Quest gathers information about a VUS is through our Family Insight Program (FIP). Healthcare providers are encouraged to apply to this program and, if accepted, Quest will test selected family members for the variant in question. Please visit **QuestHereditaryCancer.com** for more information and to download the application and consent forms.

Risk assessment and counseling: an important first step

A genetic counselor or other qualified healthcare professional can help explain test results and what they mean for a patient and family members. A team of specialized Quest genetic counselors or clinical geneticists are available to speak with healthcare providers about test results by calling 1.866.GENE.INFO. Patients can access a directory of independent genetic counselors at **FindAGeneticCounselor.com**.

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Creating a plan: a checklist for patients

- ☐ Get a copy of your genetic test results.
- ☐ Talk with your healthcare provider about what this result means and the things you can do to manage your risk.
- ☐ Ask your healthcare provider if additional genetic testing may benefit you.
- ☐ Share your test results with your family members and give them a copy. Their healthcare provider will need this information in order to provide them with the most accurate risk assessment.
- ☐ Talk with your healthcare provider regularly so that you know about any important changes in genetic testing and cancer screening options. Be sure to let him/her know of any changes in your family history, including family members' genetic test results.
- ☐ Consider talking to a genetic counselor about your results.

Research opportunities

Prospective Registry of MultiPlex Testing (PROMPT)
PromptStudy.info

GenomeConnect: The ClinGen Patient Portal
GenomeConnect.org

Additional resources

Quest Hereditary Cancer Testing Solutions
QuestHereditaryCancer.com

National Society of Genetic Counselors
FindAGeneticCounselor.com

This information is not a substitute for medical advice, diagnosis, or treatment. The diagnosis or treatment of any disease or condition may be based on personal history, family history, symptoms, a physical examination, laboratory test results, and other information considered important by a healthcare provider. Always talk with a healthcare provider about the meaning of genetic test results and before stopping, starting, or changing any medication or treatment.

The classification and interpretation of the variant(s) identified reflect the current state of Quest Diagnostics' understanding at the time of this report. Variant classification and interpretation are subject to professional judgment, and may change for a variety of reasons, including but not limited to, updates in classification guidelines and availability of additional scientific and clinical information. This test result should be used in conjunction with the healthcare provider's clinical evaluation. Inquiry regarding potential changes to the classification of the variant is strongly recommended prior to making any clinical decision. For questions regarding variant classification updates, please call Quest Diagnostics to speak to a genetic counselor or laboratory director, or visit **QuestDiagnostics.com/VariantIQ**.