Understanding a Negative Result

A guide to understanding risk and taking action
PART ONE:
Understanding a Negative Result

Your test result may include three parts: your Genetic Test Result, your breast cancer riskScore® (if applicable), and your Clinical History Analysis.

Genetic Test Result

A. Your Myriad myRisk® Hereditary Cancer result summary is located on the first page of your report. It will look similar to the example shown on the right. If you received a NEGATIVE myRisk Hereditary Cancer result it means:

1. Your myRisk Genetic Result is NEGATIVE. You tested negative for any clinically significant changes (called mutations) in the genes analyzed by myRisk. Based on this, your risk for a hereditary cancer syndrome is lower but not completely ruled out.

2. Your result may also contain a breast cancer riskScore®. If this analysis was performed, your score was below 20% and additional details will be provided on the following page of your Genetic Test Result (see D.)

3. Your Clinical History Analysis did not identify any modified medical management based on the personal clinical risk factors and cancer family history you reported to your provider.

B. Your testing may have found one or more “Variants of Uncertain Significance (VUS).” A VUS is not currently known to be associated with an increased cancer risk. Myriad has made a lifetime commitment to understanding the nature of these variants. If new evidence about a variant is identified, that information will be made available to your healthcare provider who will then contact you with updated information. It is important to understand that medical management decisions should not be based on the VUS result.

C. You can find a list of all the genes tested in the Genes Analyzed section.

D. If the riskScore® was performed, this page of your Genetic Test Result will contain details of the analysis. This page displays an estimate of your remaining lifetime risk for breast cancer as well as your risk over the next five years. You can compare your risk to the general population using the graph provided. riskScore® is only calculated for women under age 85, of solely White / Non-Hispanic and/or Ashkenazi Jewish ancestry, without a personal history of breast cancer, LCIS, hyperplasia, atypical hyperplasia, or a breast biopsy with unknown results. riskScore® is not calculated if a woman or blood relative is known to carry a mutation in a breast cancer risk gene.

E. The Clinical and Cancer Family History Information Page displays the information regarding your clinical history and personal and cancer family history you reported.
PART TWO:
Understanding Your Risk

Your future risk of cancer is influenced by your Genetic Test Result, your personal clinical history and your family history of cancer. The myRisk Management Tool provides a summary of your future risks based on your genetic result and the information provided to Myriad, but additional risk factors may be present and should be discussed with your provider.

myRisk Management Tool*

F. If you received a Negative result, your analysis did not identify you as a candidate for modified medical management based on your genetic result and the information you reported. However, other clinical factors may influence individualized management. Your healthcare provider will work with you to determine the best medical management plan for you.

G. Your Tyrer-Cuzick breast cancer risk calculation was either less than 20% or was not calculated. Tyrer-Cuzick is a model used to predict a woman's risk of developing breast cancer which was developed by leading researchers. A Tyrer-Cuzick risk estimate will only be calculated if you are a woman, have never had breast cancer and have no relatives with a known genetic mutation. Tyrer-Cuzick takes into consideration your family history of cancer and other personal clinical risk factors. While your risk estimate did not identify you as a candidate for modified medical management at this time, talk to your doctor about your specific cancer risks.

Be sure to contact your healthcare provider on a regular basis for updated information or to share any changes in your medical status or family’s cancer history.

* Patients with negative results on single-site testing will not receive a myRisk Management Tool.

PART THREE:
Information for Family Members

If no mutations were found in the genes we tested, your relatives may not need genetic testing.**

However, in some cases, genetic testing should be offered to another relative, especially if they have been diagnosed with a cancer associated with the suspected hereditary cancer genes for which you were tested. This can provide more information about hereditary risk for you and others in your family. Talk to your healthcare provider to help determine whether any further genetic testing should be offered to you or a family member.

** Relatives of patients tested may want to consider genetic testing.

If you have additional questions about your result please contact your healthcare provider. Myriad’s Medical Services team is also available to help: (800) 469-7423 x3850 / helpmed@myriad.com
PATIENT SUPPORT

Resources

Your healthcare provider is always your number one resource. You are also invited to visit www.mySupport360.com, the Myriad program offering information and support for patients. You will find valuable information that will help you better understand your test result, and you can join a community of people who are on the same hereditary cancer testing journey as you.

You may also contact Myriad’s Medical Services team at 1-800-469-7423 x3850 to speak to a genetic counselor.

Next Steps

Working with your healthcare provider, the two of you will determine the appropriate next steps. Here are some possible actions to consider:

- Schedule any **follow-up appointments**
- **Speak with your family members** about your result and encourage them to see their healthcare provider about cancer prevention and testing
- Consider speaking with a **genetic counselor** about your test result and family history