



Understanding Your Genetic Test Result

No Mutation Detected or Favor Polymorphism

COLARIS®

This workbook is designed to help you understand the results of your genetic test and is best reviewed with your healthcare provider. Please verify that your test result matches the following information by looking at the patient copy of your test result or contacting the healthcare provider who ordered your test. If your test result does not match, please disregard this brochure, and contact your healthcare provider.

Your Genetic Test Result (check the appropriate boxes below)

THE GENETIC TEST(S) YOU RECEIVED

COLARIS[®]PLUS:

Sequence and large rearrangement analysis of multiple genes related to two hereditary cancer syndromes: Lynch syndrome (HNPCC) and *MYH*-associated polyposis (MAP). See your COLARIS results report for details.*

Gene-Specific Lynch Syndrome Testing:

Analysis of only one of the genes responsible for Lynch syndrome (HNPCC). See your COLARIS results report for details.

YOUR TEST RESULT

No Mutation Detected

Genetic Variant, Favor Polymorphism

*Other combinations of genes can be tested at your healthcare provider's request.

Overview of Your Test Result

Mutations in the gene(s) analyzed by this test are known to cause one of two hereditary cancer syndromes: Lynch syndrome – also known as hereditary nonpolyposis colorectal cancer (HNPCC) – a syndrome that involves various cancers, primarily colon/rectal (colorectal) and endometrial (uterine) or *MYH*-associated polyposis (MAP).

“NO MUTATION DETECTED”

- You were tested for one or more of the genes known to cause Lynch syndrome or *MYH*-associated polyposis (MAP).
- There were no mutations (or alterations) detected in any of the genes tested.
- This testing does not rule out the possibility of mutations in any genes that were not analyzed, and even if you were tested for all the known Lynch syndrome and MAP genes, there may be rare mutations that are not detected by the current technology.
- The chance that you have Lynch syndrome or MAP is significantly reduced, but not completely ruled out.

“GENETIC VARIANT, FAVOR POLYMORPHISM”

- A genetic change or variant was detected in one of the genes tested.
- It is normal to see some variation in genes—not everyone is alike.
- These variants are called polymorphisms.
- Polymorphisms do not cause Lynch syndrome or MAP.
- The chance that you have Lynch syndrome or MAP is significantly reduced but not completely ruled out.

Your Cancer Risks

- Your cancer risks should be estimated based on your personal and family history of cancer.
- Your healthcare provider can assist you in understanding these risks.
- The possibility remains that your cancer risks could be increased due to:
 - ◆ Other non-hereditary factors (for example: environment).
 - ◆ Another hereditary cancer syndrome.
 - ◆ A mutation in one of the Lynch syndrome (HNPCC) or MAP genes that was not analyzed by your genetic test(s).
 - ◆ A mutation in one of the genes analyzed that current technology cannot detect.

Managing Your Risks

- Your test result has given you some helpful information but it is still best to manage your cancer risks based on your personal and family history.
- You and your healthcare provider can develop the most appropriate plan for your medical management.
- Your healthcare provider can help you determine whether any further genetic testing should be offered to you or to a family member.

It's a Family Affair

- In some cases, genetic testing should be offered to another relative who has been diagnosed with a Lynch syndrome cancer or colon adenomas (polyps) in order to provide more information about hereditary risk in the family. Talk to your healthcare provider about this option.

Myriad has resources available to help you with your genetic test result.

- **Contact Myriad's Medical Services Department at 800-469-7423 for:**
 - ◆ Answers to questions about your test result.
 - ◆ Information about additional genetic testing for you or your relatives.
- **Or, visit Myriad's website for:**
 - ◆ A sample letter that can be sent to relatives who may need genetic testing can be found at www.MyriadPro.com/COLARISFamilyletters.
 - ◆ A healthcare provider who can offer genetic testing to relatives in any state can be found at <https://www.mysupport360.com/find-provider/>

If you need a copy of your genetic test result, please contact the healthcare provider who ordered your test.

Notes/Questions

Next Steps

Please work with your healthcare provider to determine the most appropriate next steps for you.

- Obtain a copy of your test result.
- Schedule consultations with appropriate healthcare providers (list below).

- Create a plan for medical management.

- Consider sharing your genetic test result with your relatives.
- Re-contact your healthcare provider on a regular basis for new information.

Notes/Questions



MySupport360.com



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THIS INFORMATION IS PROVIDED TO HELP ANSWER SOME OF YOUR QUESTIONS WITH RESPECT TO CANCER RISKS, HEREDITARY CANCER RISKS, AND PRE-DISPOSITIONAL CANCER TESTING. IT IS GENERAL IN NATURE AND IS NOT INTENDED TO PROVIDE A DEFINITIVE ANALYSIS OF YOUR SPECIFIC RISK FACTORS FOR CANCER OR YOUR HEREDITARY CANCER RISKS. YOU SHOULD NOT RELY ON THE INFORMATION PROVIDED HEREIN; BUT RATHER, YOU SHOULD CONSULT WITH YOUR DOCTOR OR A QUALIFIED HEALTHCARE PROFESSIONAL TO REVIEW THIS INFORMATION ALONG WITH YOUR INDIVIDUAL HEALTH CONDITIONS AND RISK FACTORS.

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