Understanding Your Genetic Test Result

Genetic Variant of Uncertain Significance
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

Genetic Variant of Uncertain Significance

*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).

- A change was detected in a gene that causes Lynch syndrome or MAP but it is not known if this change is linked to cancer or colon adenomas (polyps).

- This change is called a genetic variant of uncertain significance.

- Ongoing efforts to gather information about genetic variants of uncertain significance, such as the one identified in your test, will continue.

- If new information becomes available about your variant, it will be sent to the healthcare provider who ordered your test.
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:
  - Ultimately finding that your variant causes Lynch syndrome or MAP.
  - Other non-hereditary factors (for example: environment).
  - Another hereditary cancer syndrome.
  - A mutation in a gene 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

- It is 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

- Based on your test result it is not clear if Lynch syndrome or MAP runs in your family.
- In some cases, genetic testing should be offered to another relative who has been diagnosed with a Lynch syndrome cancer or colon adenomas (polyps). 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](http://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/](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