



Understanding Your Genetic Test Result

No Mutation Detected or Favor Polymorphism

COLARIS *AP*[®]

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.

Overview of Adenomatous Polyposis Syndromes

Mutations in *APC* and *MYH* cause most cases of adenomatous polyposis syndromes. These syndromes include familial adenomatous polyposis (FAP), attenuated familial adenomatous polyposis (AFAP), and *MYH*-associated polyposis (MAP). These syndromes are associated with the development of varying numbers of adenomas (pre-cancerous polyps) in the colon and rectum. They also lead to an increased risk of colon/rectal (colorectal) cancer and, in some cases, other types of cancer.

Your Genetic Test Result (check the appropriate boxes below)

THE GENETIC TEST(S) YOU RECEIVED

- COLARIS AP^{PLUS}:**
Full sequence and large rearrangement analysis of the *APC* and *MYH* genes.
- Gene-Specific COLARIS AP – APC Analysis:**
Full sequence and large rearrangement analysis of the *APC* gene.
- Gene-Specific COLARIS AP – MYH Analysis*:**
Full sequence and large rearrangement analysis of the *MYH* gene.

YOUR TEST RESULT

- No Mutation Detected
- Genetic Variant, Favor Polymorphism

**MYH* analysis may be done alone or as part of COLARIS^{PLUS} or COLARIS AP^{PLUS} testing.

Overview of Your Test Result

IF YOUR TEST RESULT IS “NO MUTATION DETECTED”

- There were no mutations or alterations detected in the gene(s) that were tested.
- The chance that you have an adenomatous polyposis syndrome is significantly reduced but not completely ruled out.
- You may want to consider further genetic testing. Talk about this possibility with your healthcare provider.
For example:
 - ◆ If only the *APC* gene was tested, you could consider *MYH* analysis.
 - ◆ If only the *MYH* gene was tested, you could consider *APC* analysis.

IF YOUR TEST RESULT IS “GENETIC VARIANT, FAVOR POLYMORPHISM”

- A genetic change or variant was detected in either the *APC* or *MYH* gene.
- It is normal to see some variation in genes-not everyone is alike.
- These variants are called polymorphisms.
- Polymorphisms do not cause adenomatous polyposis syndromes.
- The chance that you have an adenomatous polyposis syndrome 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 colon adenomas (polyps) and 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 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 adenomas or colorectal cancer 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 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.MyriadTests.com/letterCOAP2NoMutationDetected.
 - ◆ A healthcare provider who can offer genetic testing to relatives in any state can be found at www.MyriadTests.com/findadoctor.

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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