Ambry Genetics®

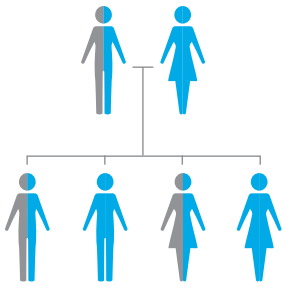
Understanding Your VUS Pulmonary Fibrosis Genetic Test Result

INFORMATION FOR PATIENTS WITH A **VARIANT OF UNKNOWN SIGNIFICANCE**

Result	**VUS**	Your testing shows that you have a variant of unknown significance (VUS) in a gene that causes pulmonary fibrosis (PF). A VUS is a gene change, but we do not know if it causes PF or not.
Gene	**DEFINITION**	Genes have instructions for traits that make us who we are, like eye color and how our bodies work. Everyone has two copies of each gene. We get one copy of each gene from each of our parents. A mutation (change in the gene, like a spelling mistake) in one copy of a PF gene can increase your chances of developing PF.
Diagnosis	**NO CHANGE**	This testing does not change your diagnosis. If you have been diagnosed with PF, that remains the same.
Further Testing	**FOR FAMILY MEMBERS**	Testing your family members that have PF may help explain this VUS. Talk with your doctor or genetic counselor about which family members may be helpful to test.
	FOR YOU	More genetic testing may be right for you. Please talk about this with your doctor or genetic counselor.
Screening Options	**FAMILY HISTORY OF PF, BUT NO PERSONAL SYMPTOMS**	Options for screening and early detection can include physical exams, CT scans, echocardiograms, lung function tests, and biopsies. Talk to your doctor about which, if any, options may be right for you.
Next Steps	**DISCUSS**	Please share this with family members so they can talk with their doctors and learn more.
Reach Out	**RESOURCES**	• National Society of Genetic Counselors nsgc.org • Canadian Association of Genetic Counsellors cagc-accg.org • Pulmonary Fibrosis Foundation pulmonaryfibrosis.org • Genetic Information Nondiscrimination Act (GINA) ginahelp.org

How Mutations That Cause PF Inherited

People who have a mutation in one copy of a PF gene have a higher chance to develop PF. Sometimes this is passed down from a parent, and sometimes it happens for the first time in that person. When a person with a mutation in a PF gene has children, there is a 50/50 chance they will pass down the mutation to each of their sons or daughters.



Has the PF gene mutation

Does not have the mutation

Please talk with your doctor or genetic counselor about this. The field of genetics is continuously changing, so updates related to your result, medical recommendations, and/or potential treatments may be available over time. This information is not meant to replace a discussion with a healthcare provider, and should not be considered or taken as medical advice.

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