![Ambry Genetics® A TEMPUS COMPANY]

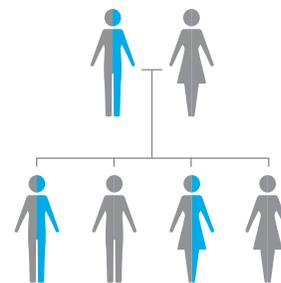# Understanding Your Positive *DICER1* Genetic Test Result

INFORMATION FOR PATIENTS WITH A PATHOGENIC OR LIKELY PATHOGENIC VARIANT

5 Things to know

1	Result	Your testing shows that you have a pathogenic or likely pathogenic variant in the *DICER1* gene.
2	*DICER1-*related tumor predisposition	People with a pathogenic or likely pathogenic *DICER1* variant have *DICER1*-related tumor predisposition.
3	Cancer and non-cancerous tumor risks	You have an increased chance to develop rare lung tumors (specifically pleuropulmonary blastoma), ovarian tumors, non-cancerous kidney tumors (cystic nephroma), central nervous system tumors, thyroid goiters and/or cancer, and other tumor types. These tumors typically occur in the first two decades of life.
4	What you can do	Risk management decisions are very personal. There are options to detect cancer early or lower the risk to develop cancer. It is important to discuss these options with your healthcare provider and decide on a plan that works for you.
5	Family	Family members may also be at risk—they can be tested for the pathogenic or likely pathogenic *DICER1* variant that was found in you. It is recommended that you share this information with your family members so they can learn more and discuss with their healthcare providers.

DICER1 in the Family

There is a 50/50 random chance to pass on a pathogenic or likely pathogenic *DICER1* variant to each of your children.

■ Has a pathogenic or likely pathogenic *DICER1* variant

■ No pathogenic or likely pathogenic *DICER1* variant

RESOURCES	• American Cancer Society cancer.org • National Society of Genetic Counselors nsgc.org • Canadian Society of Genetic Counsellors cagc-accg.ca

Please discuss this information with your healthcare provider. The cancer genetics field is continuously evolving, so updates related to your *DICER1* result, medical recommendations, and/or potential treatments may be available over time. This information is not meant to replace