



Texas KidsCanSeq Study

Review of Genetic Test Results – Blood Sample

@NAME@ – @KCSACCN@ DATE

Thank you for participating in the KidsCanSeq research study. @FNAME@ was eligible for the study based upon @HIS@ diagnosis of @TUMOR@. This letter is a summary of the results of the two types of genetic tests that were performed on @FNAME@'s blood sample. Any results from tumor sample testing will be reviewed by your child's cancer doctor and are not included in this letter. We also provide a brief explanation (glossary) of genetics terms that you might not be familiar with. Your child's test results were also placed in @HIS@ medical record. You may want to keep this letter with your child's other records, and share it with your family and other doctors, if you wish.

Commented [DLR1]: Database to include if patient is in G+T cohort

If either parent provided a sample for the study, any results from testing of these samples is included in your child's test report. A sample was received for ***, but testing was not completed as part of your child's test result because the analysis of @FNAME@'s testing was already too far along at the time ***'s sample was received.

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Testing Description

Genetic tests can detect if changes have occurred in a gene, which are our body's instructions for how to grow and develop. These changes are referred to as variants (and sometimes called mutations). Variants may be seen in other healthy individuals or they may cause health problems. This test looks for changes known to cause an increased risk to develop cancer or some other diseases. The test may find changes that are unique to a person or their family and we may not know the importance of these new or rare changes which we call "uncertain."

You are receiving these results by letter because there were no genetic changes detected in your child's blood which have been identified by the KidsCanSeq study to cause health conditions.

Results Summary from the KidsCanSeq blood tests

Changes important to your child's diagnosis of cancer

- No changes were found in your child's genes that clearly explain why @HE@ developed the @TUMOR@ or @HIS@ other medical problems.

Other changes important to your child's and other family members' health care

- No changes were found in your child's genes related to a short list of diseases that suggest your child might need additional medical evaluation or treatment.

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Commented [BKL(4)]: Database to include only if patient consented to medically actionable findings, and they were negative

Changes important to your child's and other family members' family planning

- No changes were found in your child's genes related to a small number of the more common recessive genetic diseases.

Uncertain changes in genes related to cancer

- While changes were identified in your child's genes, and they are included in your child's report, their significance in relation to your child's cancer diagnosis or other medical problem is unknown. These variants are seen in most patients having this type of testing.
- In some cases the report will indicate whether a parent also has these uncertain changes.
- We do not know the importance of these new or rare changes. We do not recommend any medical actions based on these findings at this time, though we may learn more about them in the future.
- Please contact us if you have questions about these changes.

Or

- There are many genes associated with a hereditary risk of cancer, and a child may have a new or rare change in one of these genes. None of these types of changes were found in your child.

Commented [BKL(5)]: Include only if VUS are identified

Commented [BKL(6)]: Include if no VUS identified

(We did not describe VUS in the letters of the BASIC3 patients who didn't have any – should we take that same approach in KidsCanSeq and eliminate this section entirely? Sarah made the good point that the table will still be listed in the result though)

Important Reminders

The genetic tests offered through the KidsCanSeq study use high-quality sequencing technology, but do not test for all types of genetic changes or all genetic conditions. If there is concern for a genetic condition in your child or other family member, a doctor may recommend additional genetic testing. It is important to have a copy of these test results so a doctor can see the type of testing that was done as a part of the study.

You may be asked to complete a survey after you receive this letter and a copy of the test report. If your family is selected for the survey, you will receive an email link shortly after receiving the results.

Recommendations

- Based on the results from the blood testing described above, there are no further recommendations that we would make regarding @FNAME@'s future screening or testing of relatives for cancer risk.
- As is true of all couples, if you are planning to have more children, you may wish to talk with your doctor or a genetic counselor. There are recommendations for screening for recessive genetic diseases, which may require additional genetic testing.
- The information in this letter and these reports might be useful to your child in the future.

When you enrolled in the KidsCanSeq study, you watched a video that summarizes the study background and procedures. If you would like to watch this video again, you can access it at any time at:

<https://www.youtube.com/watch?v=cnXcRK0FEgY> <https://www.youtube.com/watch?v=iOAuueH1CS0> or by accessing the QR code below.

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Commented [DLR9]: G+T QR code is first,



Please contact the KidsCanSeq study team using the contact information listed below if you have questions about the study, testing, or results. Thank you again for your participation in the KidsCanSeq study. Your contributions help us to better reach our goals of improving childhood cancer care.

Sincerely,



Sharon E. Plon, MD, PhD, FACMG
KidsCanSeq Principal Investigator



@ME@, MS, CGC
KidsCanSeq Genetic Counselor

Commented [DLR10]: Database to include if Sarah or Katie generates letter