

Whole Exome and Genome Sequencing Test



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Department of Neurosciences

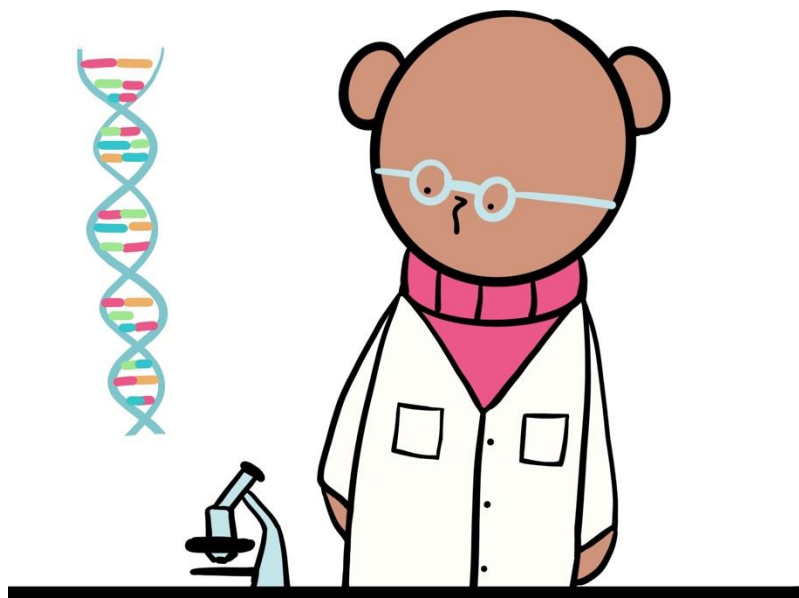
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Rady Children's Hospital / UCSD

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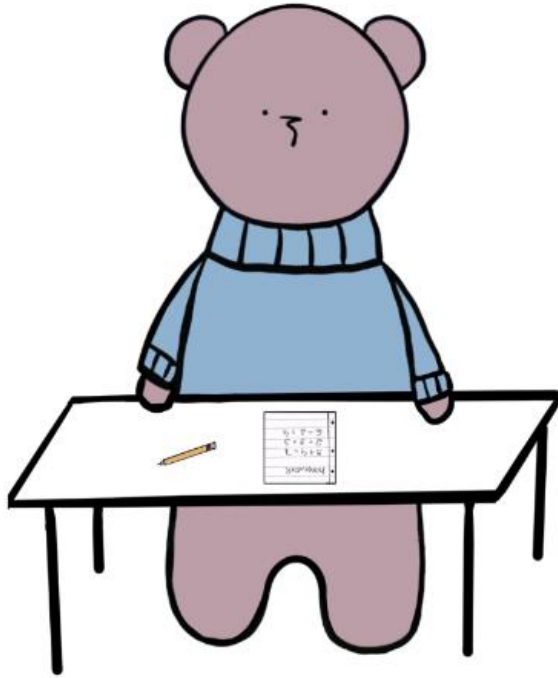
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Hello! Today we're going to talk about a big genetic test called whole exome/genome sequencing.



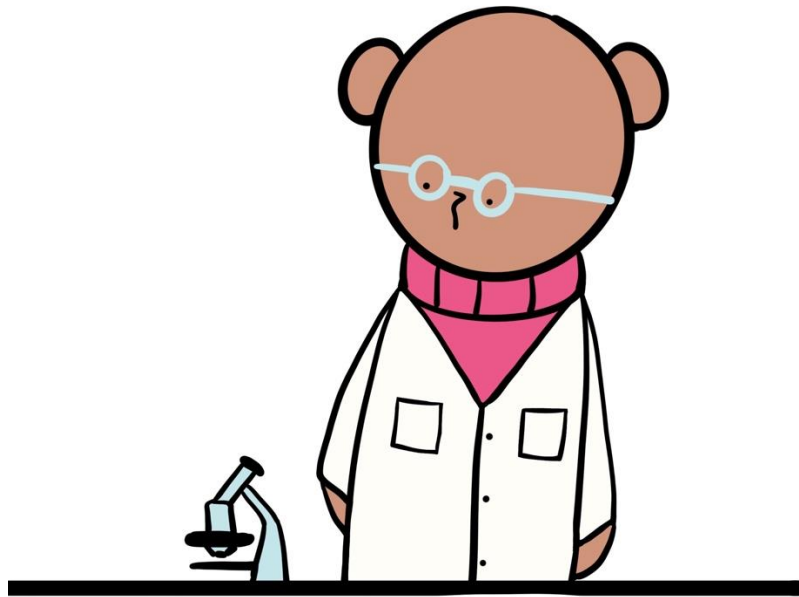


Our genes are instructions that tell our body how to grow and develop. We have genes for lots of things; our eye color, how tall we are, and also all the little parts that connect in our brain.

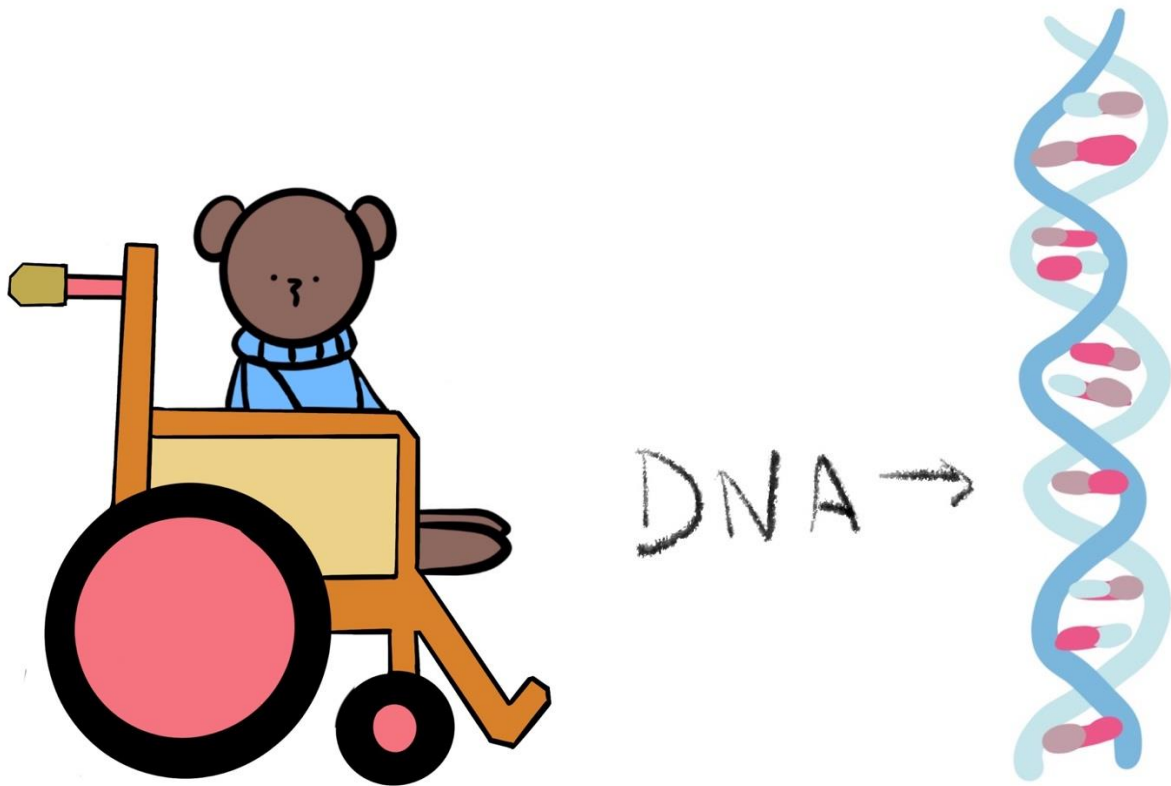
We have over
20,000 genes!
Whole exome and
genome sequencing
looks at almost all of
them.



Genetic testing looks at the genes to see if there are differences in the instructions that make out body work. It might explain why someone has health issues or differences in their development.



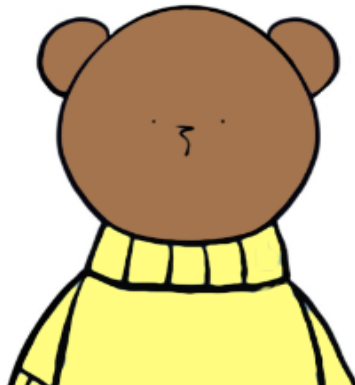
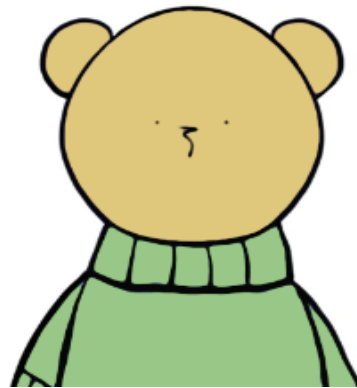
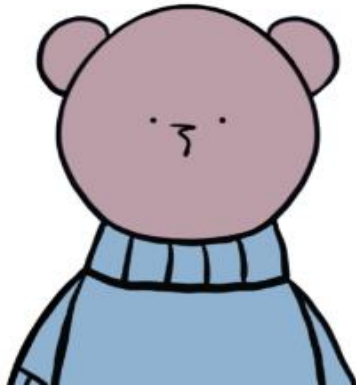
Sometimes this can help the doctors take even better care of us. Sometimes this can give us clues about what to expect.



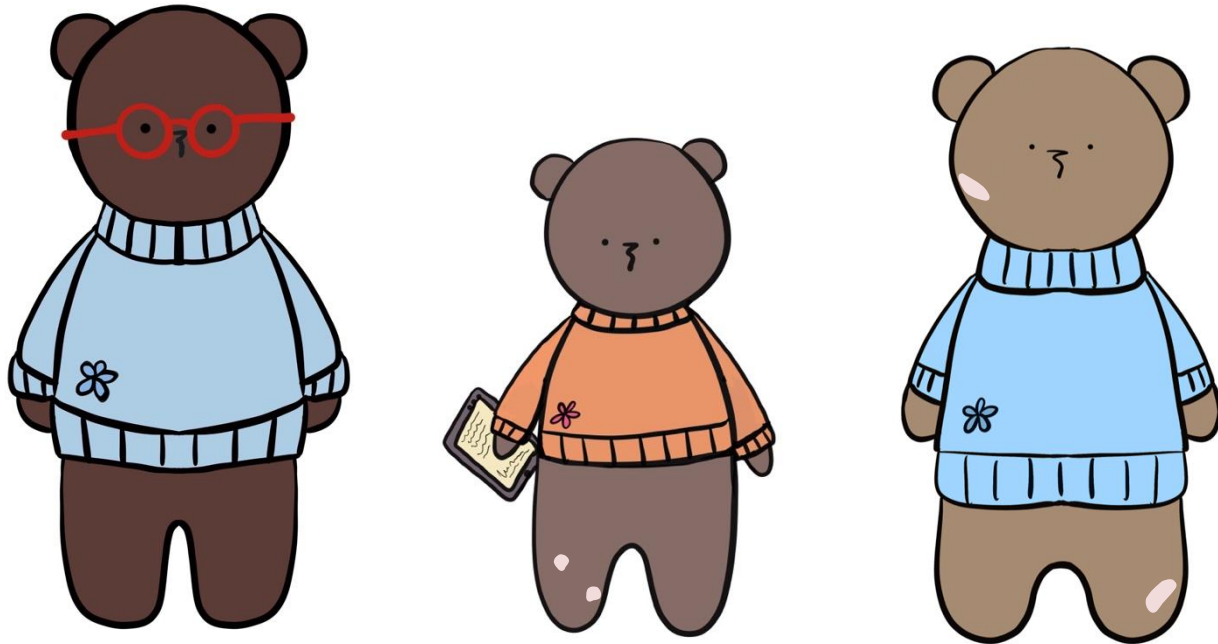
And sometimes the test doesn't find any clues because we are still learning about our genes.



We all carry differences in how our genes are spelled. It helps make us who we are!

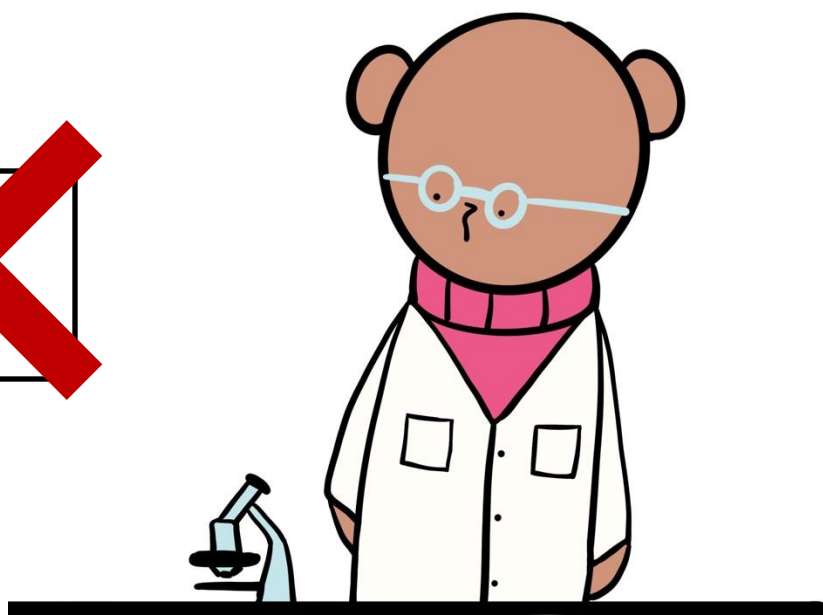
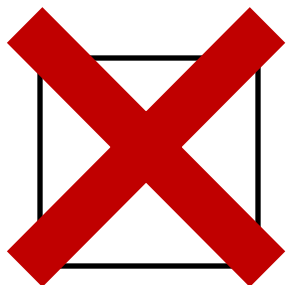
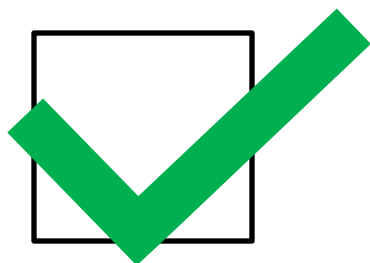


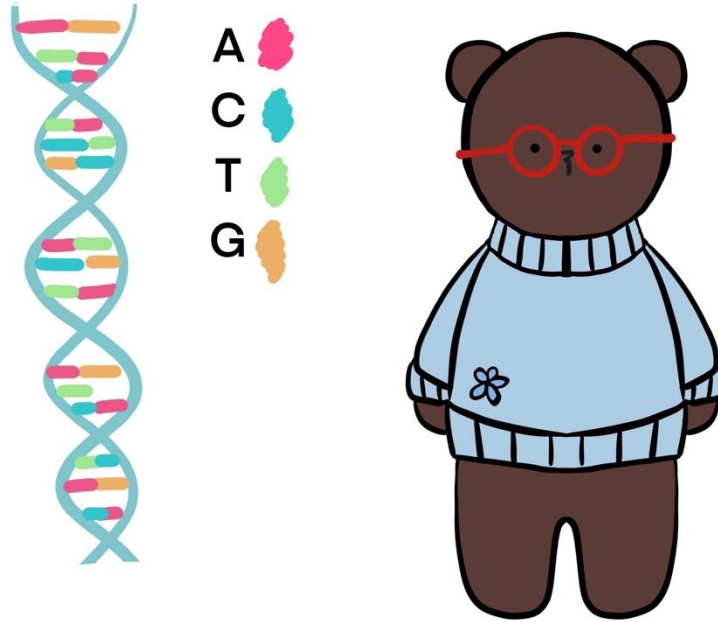
Including parents in the genetic test can help the laboratory better understand your genetic information.



Parents don't get their own results, but they can sometimes learn information about themselves as it is related to you.

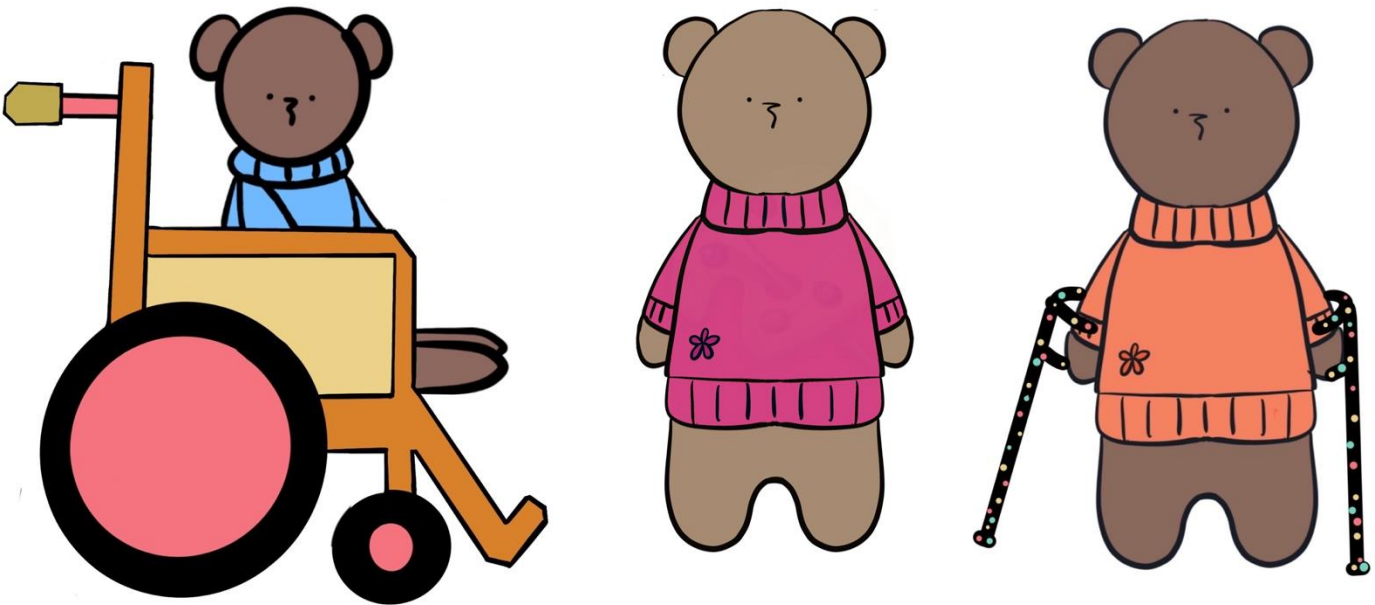
The genetic laboratory might find that you have a higher chance of certain health issues that haven't happened yet. You can pick if you want them to tell you or not.





A genetic counselor can help talk through genetic testing if you have questions. Meeting with a genetic counselor doesn't mean that you have to do the test.

Everyone is a little different and although many kids have a genetic disease, they are just like you and me!



The End

