

For Patient Reference

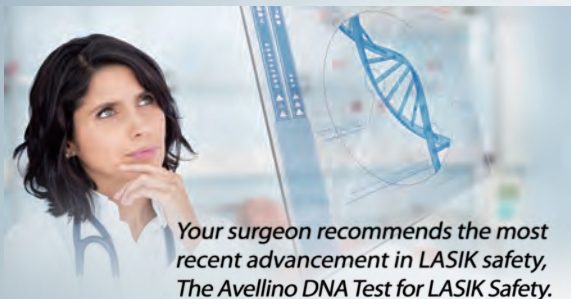
Avellino DNA Test For LASIK Safety

Version 2.0: GCD Dual Test

MAKING LASIK SAFER

The Avellino DNA Test for LASIK Safety

The Avellino DNA Test for LASIK Safety is used prior to LASIK surgery to detect genetic mutations that can cause complications after LASIK surgery. The test detects two of the most common Corneal Dystrophies: Granular Corneal Dystrophy type 1 (GCD1) and Granular Corneal Dystrophy type 2 (GCD 2), also known as Avellino Corneal Dystrophy.



Your surgeon recommends the most recent advancement in LASIK safety, The Avellino DNA Test for LASIK Safety.

What is Granular Corneal Dystrophy?

GCD (type 1 and 2) are caused by a genetic mutation. When the cornea is damaged (by LASIK or UV light sunburn), the normal production of wound healing protein to the cornea is triggered. People with the genetic mutation will have surplus protein production which builds up over time and causes gray-white spots on the cornea. The disease usually develops slowly. However, it varies according to the individual patient's age, genetics and environmental exposures.

According to Avellino test results, the GCD2 genetic mutation is present in approximately 1 out of every 1,100 people.

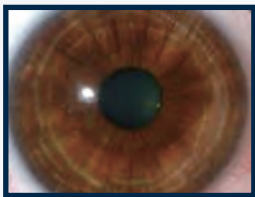
Your physician uses the Avellino DNA Test for LASIK Safety, the latest advancement in genetic testing for eyecare. The test provides SAFE, PAINLESS, and ACCURATE protection of your vision.

Do you need Avellino DNA Testing?

If you are considering refractive surgery (LASIK, LASEK, PRK), you should definitely be tested. The Avellino DNA Test for LASIK Safety will eliminate the risk of developing GCD after refractive surgery.

What does GCD look like?

The picture below on the left is a patient's normal healthy cornea. It is clear with no spots. The picture below on the right shows a patient who developed GCD following LASIK surgery. Notice the grey-white spots on the cornea. This could have been avoided using the Avellino DNA Test prior to surgery.



Healthy Cornea



GCD after LASIK

How reliable is the test?

The Avellino DNA Test has been proven to be 100% accurate in clinical trials. If tested, you can have high confidence before you have surgery that you are not at risk of post-LASIK GCD complications.



Granular Corneal Dystrophy is a global condition. GCD has been found in every major ethnic group throughout the world.

What are the treatment options?

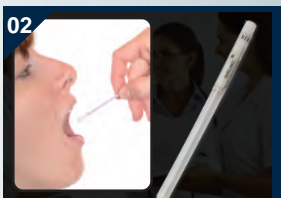
Currently, there is not a cure for Granular Corneal Dystrophy but associated complications can be avoided by using the Avellino DNA Test. This is why your surgeon recommends the Avellino DNA Test for LASIK Safety prior to refractive surgery.

How does it work?

This testing process is very simple. The clinic uses a buccal swab on the inside of both cheeks, sends the swab to the test lab, and doctor then receives the test results within 24 hours.



Requisition Form



Sampling



DNA Testing



Screening and Result

Recent advancements in genetic testing make it possible to identify carriers of GCD mutations with a painless, accurate and affordable genetic test.

The Avellino DNA Test for LASIK Safety is a great resource for LASIK patients because it eliminates the risk of GCD after refractive surgery (LASIK, LASEK, PRK).



The Avellino DNA Test for LASIK Safety is the first and only genetic analysis test designed to make LASIK safer for every patient.

Since Avellino Group was established in 2008, we have tested 427,119* individuals with the Avellino DNA Test. We have identified 398* people as GCD positive and protected them from post-operative complications.

The Avellino DNA Test procedure is Painless, Safe, and Affordable with Fast analysis and reported results.

The Avellino DNA Test for LASIK Safety has proven to be 100% accurate in clinical trials.

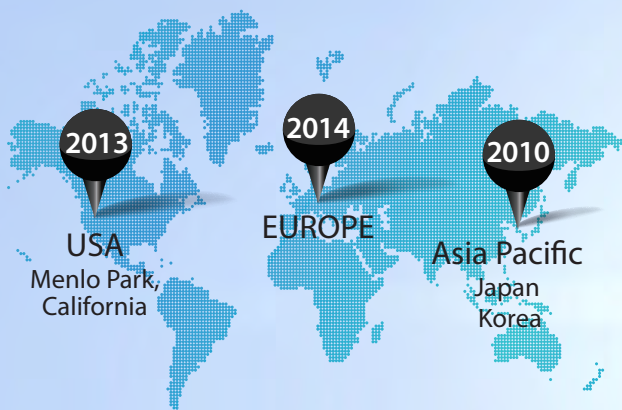
*May 2, 2014

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Global Standard

Leaders in Cutting Edge Genetic Testing



Avellino Lab is the first and only lab in the world performing commercial genetic testing for LASIK Safety.

Our cutting edge genetic diagnostic systems provide fast, safe, and affordable evaluations of an individual's genetic pre-disposition for specific ophthalmic conditions, including Granular Corneal Dystrophy.

Such predictive and preventative capabilities now provide personalized medical information with powerful options for improving the quality of an individual's health and life decisions.



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