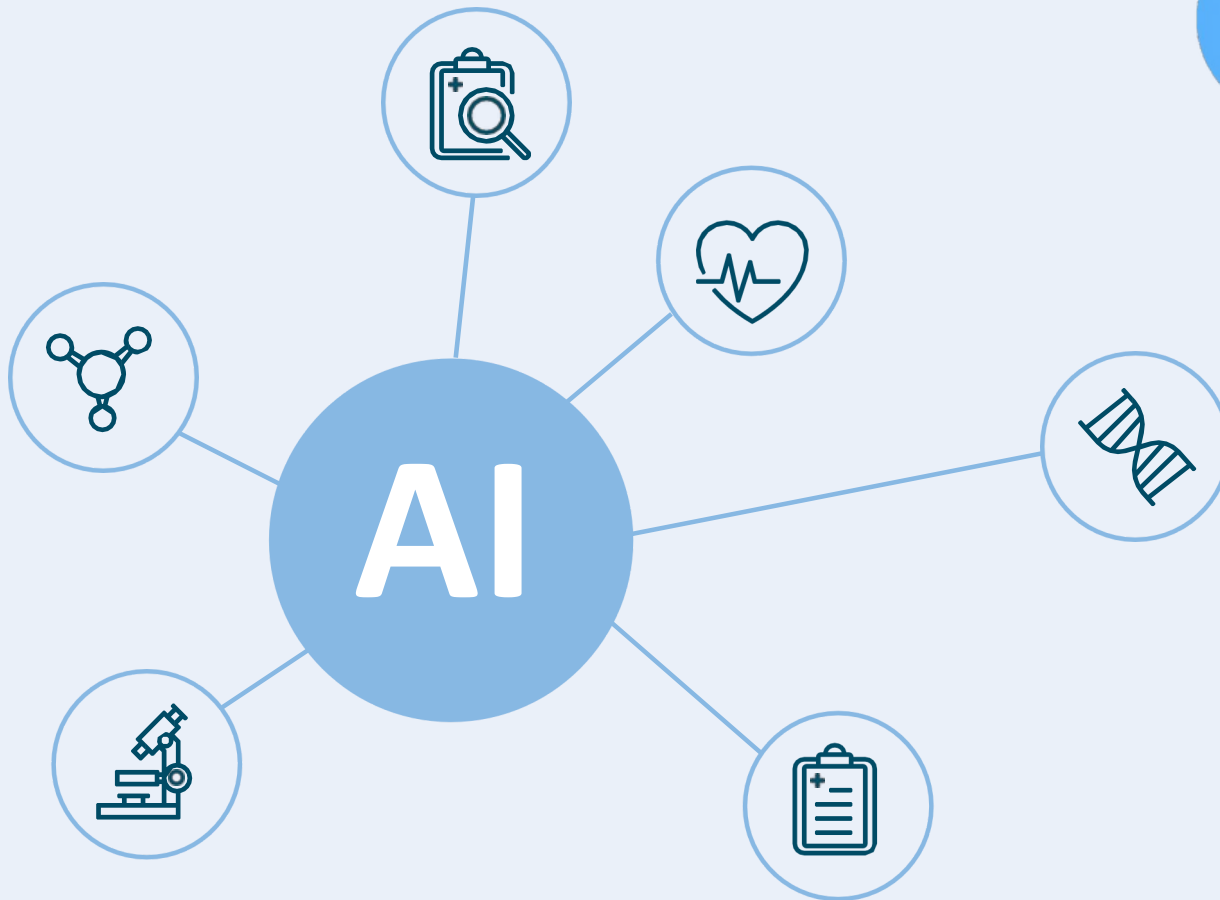




REVOLUTIONIZING EARLY DETECTION OF GLAUCOMA
THROUGH IMAGING

Design and marketing of artificial intelligence algorithms for image and clinical data analysis.

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REGULATORY

ENS
ISO 13485, 27001, 9000
EC DECLARATION OF CONFORMITY IN
ACCORDANCE WITH THE MEDICAL DEVICES
DIRECTIVE 93/42/EEC AND ITS AMENDMENT
2007/47/EC
HL7 FHIR



AN UNMET CLINICAL NEED

quantusGL is a non-invasive, fast, and easy-to-use test for **detecting glaucoma** based on images of **the retina's fundus**. Its technology is based on quantitative analysis of the texture of the fundus image obtained through an eye scan.

By simply analyzing and classifying images, quantusGL determines the probability of glaucoma in a matter of minutes. quantusGL has been designed with a clear focus on the general population and is intended to be a glaucoma detection tool, greatly assisting in the **screening of patients** with risk factors and the prioritization of **waiting lists**. The product has a wide range of potential uses, from primary care medical offices to ophthalmology or optometry units. The specialist, who is always trained, classifies the images using visual patterns, and quantusGL provides a percentage risk of glaucoma.



NON-INVASIVE



SAFE

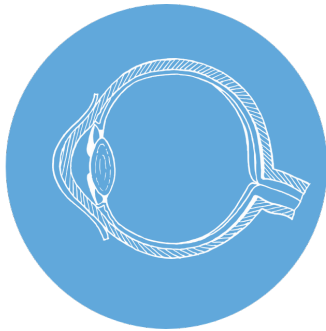


FAST



COMPATIBLE

How to use quantusGL?



**1. Acquire a
fundus image**



**2. Upload the image
to the web
application**



**3. Obtain the
results**

Step 1: Acquire a fundus image of the retina

quantusGL requires a fundus image of the retina in JPG or PNG format captured using an ocular retinograph, which takes specific photographs of the retina, both panoramic images and enlarged areas. A simple guide is available within the application showing how to capture these images.

How to use quantusGL?

Step 2: Use the web application to analyze the image

This application is a simple tool that allows you to send the image you want to analyze to the system. To do this, you just have to follow three simple steps to complete the analysis:



Upload

Upload images to the web



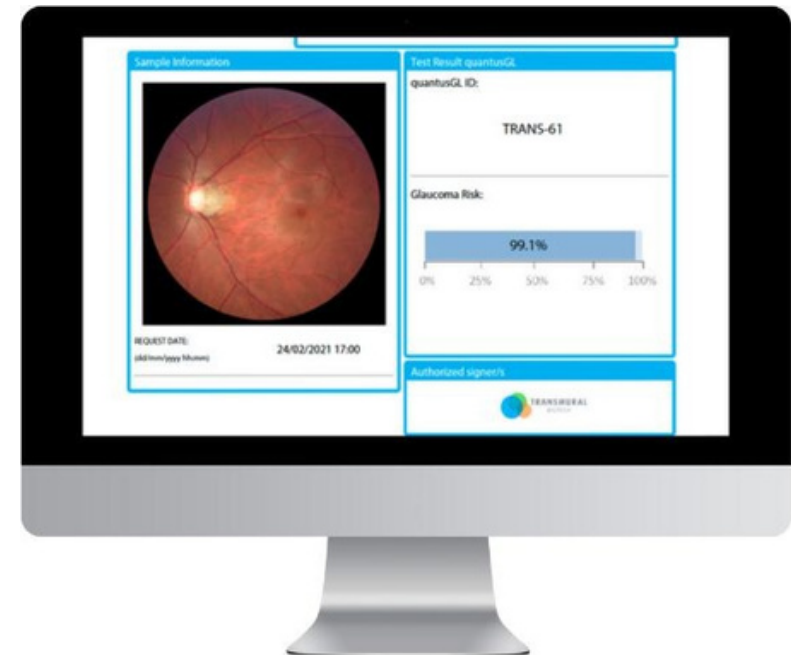
Select

The images you want
to be analyzed



Send

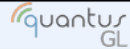
The sample to be analyzed



Step 3: Obtain the results of the application in a few minutes via a results report.

When to use quantusGL

- **Glaucoma**, along with macular degeneration and diabetic retinopathy, are the leading **causes of blindness** worldwide.
- Early detection makes a difference by allowing better control of the disease; however, in the disease Most people with glaucoma do not experience symptoms in the early stages of the disease.
- A complete eye exam is required to diagnose the disease, which is not always possible.
- That is why automatic detection and diagnosis techniques based on imaging could be very beneficial in this field, reducing costs and equipment.

	Sensitivity	Specificity
Ophthalmoscopy	47	94
Optic Disc Photograph	73	89
Retinal tomography Heidelberg II	86	89
	85.0% ($\pm 2\%$)	93.3% ($\pm 2\%$)

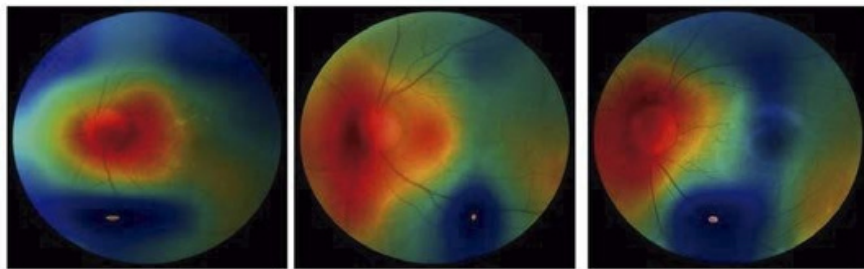
***Specificity**: probability that the test will identify as not sick those who are indeed not sick.

***Sensitivity**: the probability that the test will identify someone who is actually sick as sick.

Why does quantusGL work?

quantusGL is a novel Artificial Intelligence method based on state-of-the-art **Deep Learning**. Various studies have proven the correlation between the quantitative analysis method proposed by quantusGL.

The technology is based on performing a **quantitative analysis** of the texture of the fundus image of the retina obtained using an ocular retinograph. This analysis allows patterns associated with specific pathologies to be identified and the risk of glaucoma to be determined.



According to various studies, the different tests and tools used by ophthalmologists have an individual sensitivity of 39-50%, requiring a combination of several of them to obtain a more accurate diagnosis. Therefore, quantusGL, which has a sensitivity of 84%, is ideal for **assisting in diagnosis**.



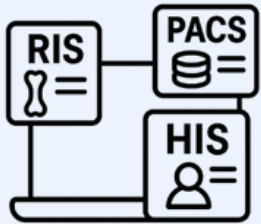
An unlimited experience



Unrestricted 24-hour **access**: With an internet connection, you can use quantusGL and review results anytime, anywhere.



No requires installation: or download of any type of software



Our service allows for seamless integration between **HIS**, **RIS**, and **PACS** systems, optimizing clinical work and ensuring centralized and secure access to medical information.



High compatibility: quantusGL is compatible with most web browsers as well as with devices used in primary care practice.



RESTful web services: Compatible with HL7 FHIR



Pay-per-use: Pay only for each analysis you request

Collaborate with us





Developing tomorrow's medical technologies today