

Your Optometrist has recommended an advanced diagnostic scan to evaluate the health of your retina and/or optic nerve.

For this procedure, your Optometrist will be using a highly innovative instrument called Cirrus™ HD-OCT. This advanced-technology instrument never touches your eye, so there's no discomfort. It's safe and requires only a few minutes of your time. Most importantly, the Cirrus HD-OCT helps your Optometrist to clearly see the internal structures of your eye, so problems such as glaucoma, diabetes and macular degeneration can be managed earlier. The unique view that your Optometrist sees with Cirrus HD-OCT is called a *direct cross-sectional image* of your retina and optic nerve.

What is direct cross-sectional retinal imaging?

The retina is the innermost lining of the inside of your eye. It is composed of several layers, and functions like the film in a camera. The lens of the eye focuses images on your retina, much like the lens of a camera focuses images on film. These images are transmitted to your brain by the optic nerve, enabling you to see. Direct cross-sectional imaging is so named because it enables your Optometrist to look directly at a "cutaway" view of the layers of the retina and optic nerve, and accurately assess their characteristics. Other machines show the surface of these structures, but Cirrus HD-OCT also shows your Optometrist what is *below the surface*.

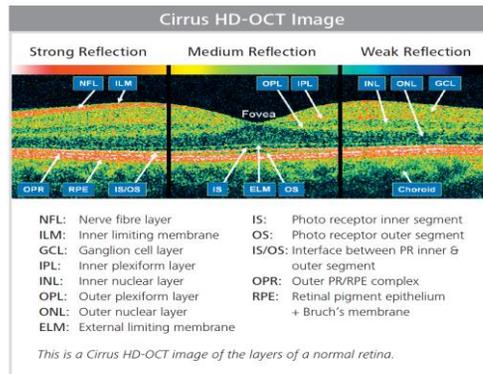
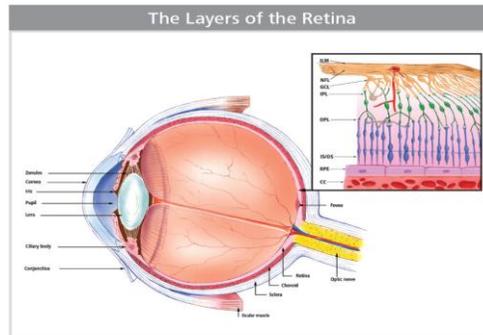
Does this type of image help your Optometrist?

The best answer is: examining your retina or optic nerve without the Cirrus HD-OCT would be like trying to diagnose a broken arm without an x-ray, or a ruptured disc without an MRI.

What does direct cross-sectional retinal imaging offer that's unique?

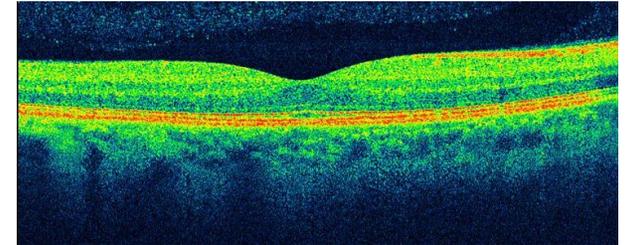
With Cirrus HD-OCT's ability to image the individual layers of the retina and optic nerve, your Optometrist can measure delicate structures and monitor any changes. OCT imaging is the only technology that provides these cross-sectional images, so it's the ultimate tool for precise diagnosis and management.

The Cirrus HD-OCT not only allows for earlier detection of diseases such as glaucoma, diabetes and macular degeneration, but also **enables your Optometrist to monitor the progression of these conditions**. The precise progression analysis offered by Cirrus HD-OCT enables your Optometrist to manage conditions sooner and to monitor the effectiveness of any intervention, to help maximize your vision.



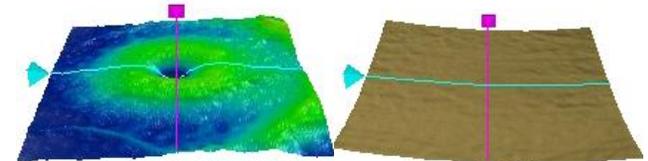
What can direct cross-sectional imaging tell my Optometrist about my retina and optic nerve?

Cirrus HD-OCT enables your Optometrist to detect many eye conditions such as macular degeneration, diabetes and glaucoma.



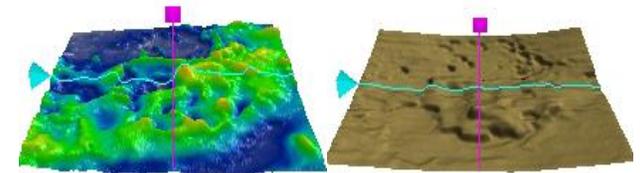
Macular Thickness Analysis examines the condition and the thickness of the macula, which is the part of the retina that provides central vision.

Healthy Macula

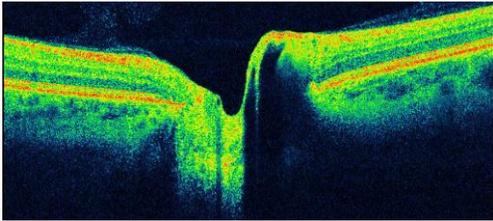


3D thickness and surface maps generated by the OCT of a healthy macula.

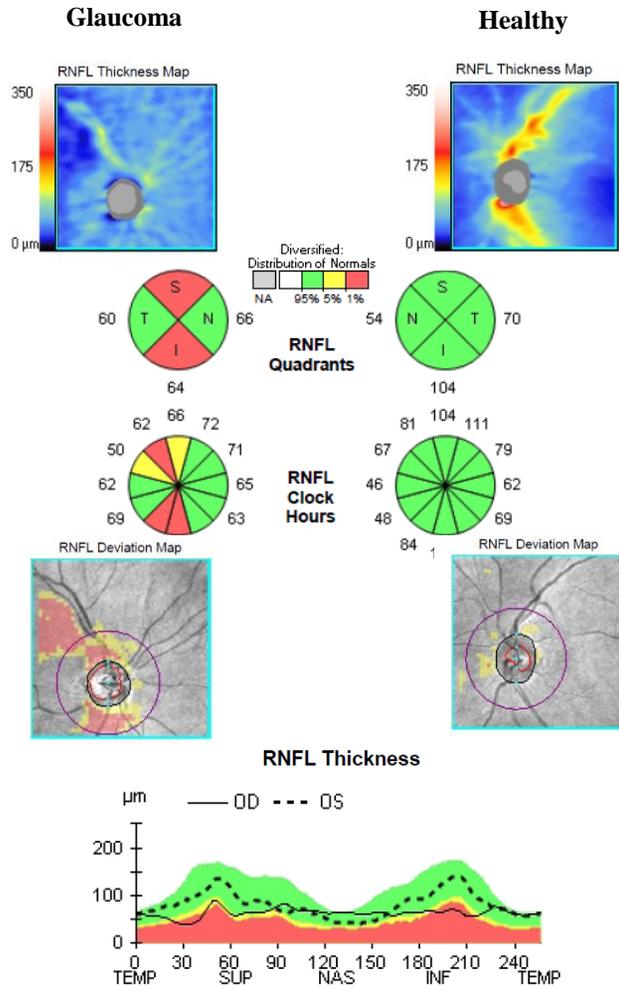
Macular Degeneration



3D thickness and surface maps generated by the OCT of a patient with macular degeneration.



Optic Nerve Head Analysis reveals the structure of the optic nerve where it originates in the retina.



Nerve Fibre analysis compares the nerve fibre layer and optic nerve head measurements to normative data. Above on the left is a patient with glaucoma (OD), and on the right is a patient without glaucoma (OS).

Cirrus HD-OCT: Revealing the complete picture.

Cirrus HD-OCT offers the ultimate benefit for people with retinal abnormalities and glaucoma - the best possible care. Early detection helps your Optometrist to diagnose and control retinal problems and glaucoma before any avoidable, permanent damage is done.

Cirrus HD-OCT enables your Optometrist to watch closely for the slightest retinal changes or deterioration due to glaucoma and respond as needed.

Cirrus HD-OCT gives your Optometrist high quality, highly accurate information on your eyes that is simply unavailable with any other technology. This extremely detailed understanding of your eyes can be instrumental and essential to safeguarding your vision for many years to come.



Optical Coherence Tomography (OCT)

Looking deeper into the health of your eyes



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