

Optovue's RTVue is at the cutting edge of technology and has features that help your doctor to discover even subtle losses in your optic nerve and retina and to follow these losses over time. This information is critical to treatment.

It is important to realize that with the new Optovue technology, your doctor is able to diagnose glaucoma earlier and help you maintain good usable vision throughout your life with the use of pharmaceutical agents, laser and surgery.

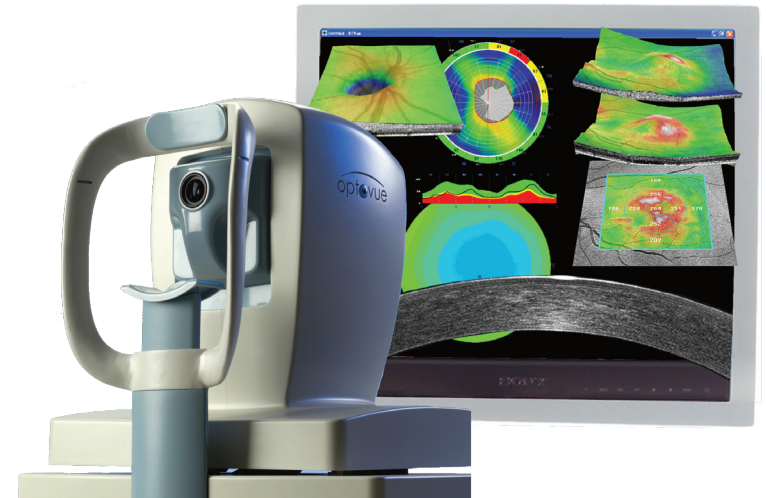
Likewise, as with any other disease process, it is your responsibility to stop smoking, eat a healthy diet, maintain a desirable weight and exercise on a routine basis. If you have a family history of glaucoma make sure your family is checked as well. Also, always comply with both your therapy and follow-up visits.

**THIS PRACTICE HAS INVESTED IN
CUTTING EDGE TECHNOLOGY
DEVELOPED TO HELP YOUR DOCTOR
PREVENT BLINDNESS**

Glaucoma

with
RTVue

*Fourier-Domain
Optical Coherence Tomography*



optovue

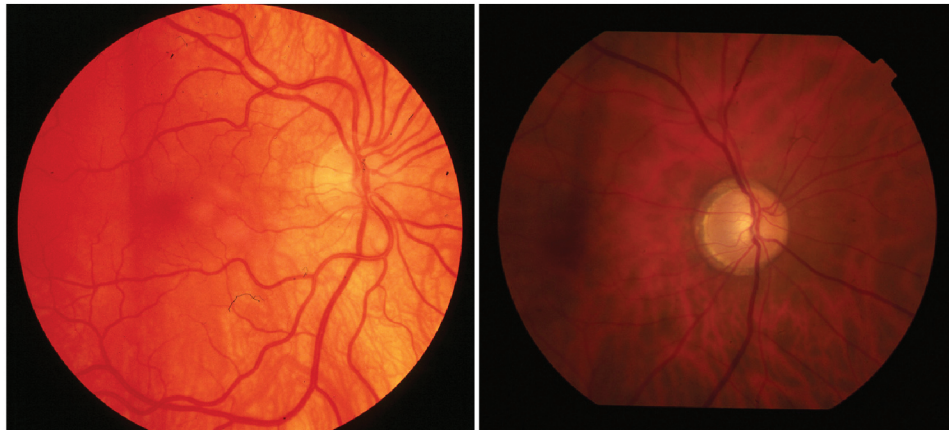
Copyright 2009 Optovue, Inc., Fremont, CA. All rights reserved.
RTVue is a registered trademark of Optovue, Inc.

P/N 300-44140 Rev A

Glaucoma is considered to be the “silent thief of sight.” There are no symptoms until the end stages of glaucoma in most variations of the disease. Therefore, it is critical for all patients to have routine eye examinations with special attention to evaluation for eye diseases such as glaucoma.

Your doctor has many techniques to help make the diagnosis of glaucoma but relies heavily on pressure inside the eye and on the view of the optic nerve head in the back of the eye. It is well known that about 50% of glaucoma patients have “normal” pressures in the eye so we need more information.

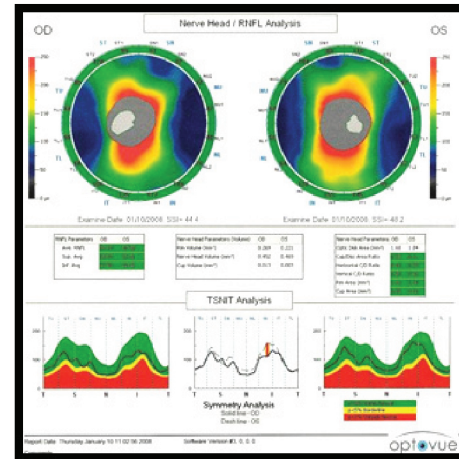
The view of the optic nerve head can be very misleading. A view that your doctor has of your optic nerve does not always reveal the extent of damage from glaucoma even when assessed in three dimensions. The real damage can occur before it is observable in the clinic.



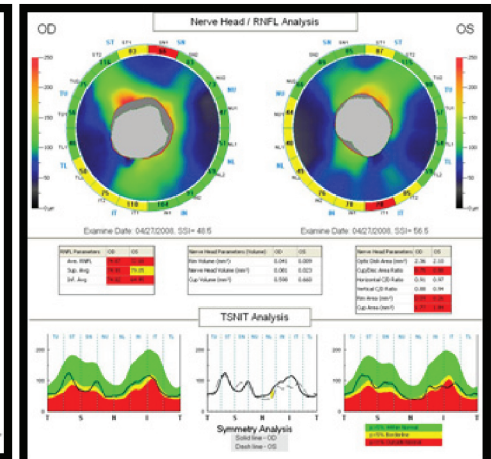
Normal Optic Nerve

Optic Nerve with Glaucoma

While these two optic nerves appear the same, RTVue digital imaging adds another dimension allowing the doctor to “see” the three-dimensional damage while it is occurring. In early cases of glaucoma, damage occurs to nerve fibers that run from the eye to the brain. The evaluation of these nerve fibers gives your doctor a picture of how much damage has occurred. By evaluating the fibers of the same two optic nerves shown above, a loss in fiber thickness is demonstrated in the eye with glaucoma.

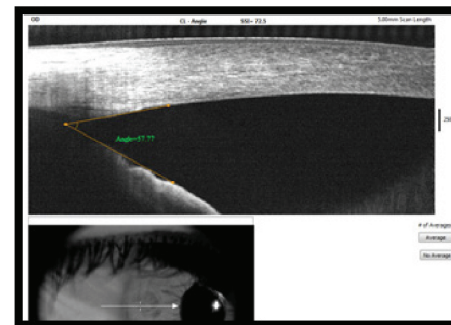


This scan shows the patient’s tracings within normal range (Green Zone)

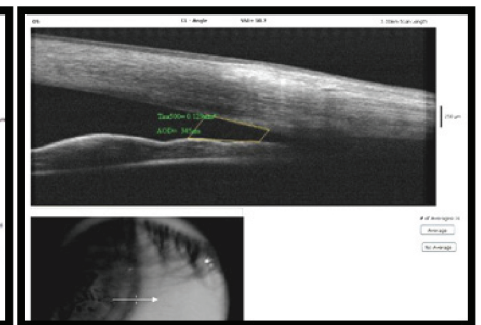


This scan shows the patient’s tracings are outside the normal range (yellow and red zones)

Additionally, other factors play into the diagnosis and management of glaucoma. One of these is the anatomy of the “drainage” system of the eye, and another, the thickness of the cornea. RTVue is able to give your doctor information on both of these critical factors.



This scan shows the angle opening of a normal eye



This scan shows a narrow angle, impeding the eye drainage and causing a pressure buildup