

## ECA Specialized Equipment

At EyeCare Associates of the San Ramon Valley, we strive to remain on the leading edge of medical technology. Our medical records are electronic and we utilize ePrescribing to all pharmacies. Listed below are some of the specialized technologies that we have brought into our office in order to provide the highest level of medical care to you and your family.

### Optomap® Retinal Exam:

The Optomap® is a technological marvel that allows us to take a computerized ultra wide field digital scan of your retina without dilating the pupils. This gives us an in depth view of the retina (where disease can start). It also allows us to show you last year's scan and this year's scan side by side for comparison and analysis during your examination. This can be an annual, permanent record for your medical file, which gives us comparisons for tracking and diagnosing potential eye diseases. It is important information for us to help protect your vision. Insurance typically does not cover any advanced screening technology beyond the general eye exam. Our office will perform the Optomap® Retinal Exam for a fee of \$39.00.

### Zeiss Cirrus HD-OCT™

This laser scanning instrument is the standard of care for comprehensive retina and glaucoma management. The Cirrus is a device that allows us to monitor the retinal nerve fiber layer and measure its thickness which is a key factor in glaucoma treatment. It can find nerve tissue loss years before we can see it through standard examinations. It also allows us to measure the thickness of the layers of the retina. These measurements are useful to diagnose medical conditions that cause retinal swelling, such as diabetic retinopathy, central serous retinopathy and macular degeneration.

## Humphrey® Field Analyzer/HFA II-i

The Gold Standard in Perimetry- This device is used to monitor the peripheral visual field threshold in patients with glaucoma. It is also useful in diagnosing and monitoring neurological changes secondary to strokes, multiple sclerosis, optic neuropathies and migraines.

## Topcon® Digital Retinal Camera

This specialized camera is used to take digital images of the retina and optic nerve for assistance in diagnosing and monitoring chronic conditions. It is most often used in the management of glaucoma and diabetic retinopathy.