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The Optomap retinal exam provides valuable information about ocular and general health without pupil dilation. The 200 degree wide field of view is far superior to standard retinal cameras. I believe it provides an excellent alternative to pupil dilation in most asymptomatic healthy patients and is quite useful in following diabetics

The RAPDX device administers a series of discrete light stimuli to each eye, while concurrently recording in high definition, pupil responses (both direct and consensual) evoked by each stimulus. These responses are measured and expressed in the form of a relative afferent papillary defect. Slightly more sophisticated than a swinging flashlight.





The Diopsys NOVA-VEP Vision Testing System is a painless, non-invasive vision test that objectively measures the function of the entire visual pathway from the eyes to the vision center in the brain. VEP has been demonstrated to aid in the diagnosis and treatment of many disorders including amblyopia, brain injury, stroke, multiple sclerosis, and other vision-related issues such as glaucoma. This test will help provide comprehensive information on vision disorders in order to better plan your treatment and also monitor the results.

The Topcon 3D OCT (ocular coherence tomographer) provides a high definition, microscopic structural analysis of the retina and optic nerve. This aids in the diagnosis and management of glaucoma, diabetic retinopathy and age related macular degeneration.





The Macuscope uses critical flicker fusion frequency to measure the amount of carotenoid pigment in the macula. Low pigment values are associated with an increased risk of macular degeneration. Studies have shown that supplementation with the Macuhealth vitamin increases the macular pigment density and hence reduces the risk of macular degeneration. We also offer genetic testing for those with a strong family history of macular degeneration and the beginning changes in the retina.

The Konan endothelial cell camera provides critical information on the health of the cornea's most important layer. We are able to identify those who are causing damage due to contact lens over wear, as well as, those at risk for delayed healing following cataract surgery.





The Marco anterior segment digital camera allows us to document anterior segment disease, but also to demonstrate the benefits of treating ocular surface disease before progression.