Vision Alert

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TonoPlus will aid NSVC doctors in early detection of "at risk" glaucoma and stroke patients.

NSVC is one of the first 50 practices and clinics worldwide to incorporate state of the art ocular blood flow analysis with the use of the recently FDA approved "TonoPlus" system. The instrument is able to measure and quantify the degree of blood flow to the anterior portion of the optic nerve. Via a technology called neumo-tonography, the instrument can detect miniscule variations in internal ocular fluid pressure over time which is used to calculate pulsatile ocular blood flow.

Patients who have compromised ocular blood flow are at increased risk to suffer glaucoma related optic nerve disease. Glaucoma is a slowly progressive disease of the anterior optic nerve that, if not diagnosed and treated early, can result in a painless and progressive loss of vision and ultimately blindness. Along with a series of other sophisticated diagnostic technologies available at NSVC (see the glaucoma information section of our website), your doctor is able to determine which patients would benefit from preventative treatment to avoid vision loss due to glaucoma.

In addition to potential glaucoma patients, those individuals with compromised blood flow to the head due to carotid artery insufficiency often will show compromised ocular blood flow, with the most common finding being a significant difference in ocular blood flow values between the two eyes. Carotid artery occlusive disease is a major risk factor for stroke. Individuals with a history of hypertension, diabetes, and elevated cholesterol and triglyceride levels are at greater risk for carotid disease.

Your doctors at NSVC are proud once again to be leading our profession by bringing our patients the most advanced technologies available. Having an annual comprehensive eye examination is your best way to minimize your risk of vision loss. Contact NSVC, Deerfield (847 412 0311) or Park Ridge (847 823 8283), to schedule your appointment today.