



For additional information
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WaveBlend™ LASIK Study

WaveBlend LASIK: WaveBlend LASIK combines the accuracy and precision of Wavefront diagnostics with the precision of 'variable spot' Excimer laser technology. Southern Eye Center's experienced surgeons use the information gathered from their Wavefront measurements to customize each patient's treatment plan. WaveBlend is a proven and affordable LASIK alternative to CustomVue® LASIK.

WaveBlend Study Parameters: Southern Eye Center surgeons will determine if WaveBlend LASIK - a standard treatment with a 'blend zone' in the outer areas of the treatment zone - provides high patient satisfaction. They will also monitor post-operative visual acuity of WaveBlend LASIK versus CustomVue LASIK.

Patient Candidacy: Qualified candidates will be selected through pre-screenings. Physicians will measure patient satisfaction in head-to-head comparison with Wavefront LASIK in form of questionnaire. All patients who are candidates for LASIK will be considered for the WaveBlend study, excluding: Chronic Dry Eye, Cataract, previous LASIK, and PRK.

Parameters: WaveBlend LASIK: Myopic patients -1.06D to -14D with or without Astigmatism -0.50D to -5.00D

CustomVue LASIK: Up to -14D with or without astigmatism up to -3.00D, and hyperopia up to +3.00D with or without astigmatism up to +2.00D.

Evaluation of subjects: Study participants will be evaluated at the 3-month post-op period: Auto-refraction, Wavescan with concern mostly for residual correction and induced/residual high-order, tear film analysis to disqualify any dry refractive error.

Risk: WaveBlend LASIK may induce high-order aberrations, therefore making a low correction, CustomVue enhancement at 3 months a greater possibility.

Solution: Upgrade with CustomVue enhancement - \$600 per eye.

The normal "Informed Consent" process and patient education applies to study candidates as well, and they will be required to sign standard patient consent forms used for conventional LASIK patients. The list of standard risks, complications and side effects associated with standard LASIK apply to study candidates as well.

Desired Results: CustomVue LASIK corrects almost all higher-order aberrations, therefore reducing the percentage of higher-order enhancements and increasing patient satisfaction. Our doctors believe the best possible choice is CustomVue LASIK. For a subset of LASIK patients, those that have myopia with or without astigmatism, we believe WaveBlend LASIK offers excellent results for our patients.

Reporting Outcomes Analysis & Findings: Results from questionnaire and post-operative evaluations will be graphed and posted. Surgical expectations are to indicate that CustomVue LASIK is the best choice in correcting higher-order aberrations and reducing the need for higher-order enhancements. Surgeons expect candidates with low to moderate myopia to do exceptionally well with the lower-cost alternative WaveBlend treatment versus CustomVue treatment.