

# Evaluation of Cataract Surgery Outcomes in Patients With Prior Laser Vision Correction Implanted With the CT LUCIA Lens

NCT07084545

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**Status** RECRUITING  
**Sponsor** Carl Zeiss Meditec AG  
**Enrollment** 30 participants

## Key Eligibility Criteria

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### Inclusion (7)

- Be at least 18 years of age or older.
- Previous cornea LVC surgery performed at least 1 year before the implantation of the CT LUCIA 621P IOL, such as Laser-Assisted Intraströmial Keratomileusis (LASIK), Laser-Assisted Subepithelial Keratectomy (LASEK), Photorefractive Keratectomy (PRK) or Small Incision Lenticule Extraction (SMILE) for mild to moderate myopia, with or without astigmatism (up to, but not including, -6.0 D sphere in any meridian for myopic ablations).
- Presenting for planned bilateral cataract extraction with in-the-bag posterior chamber IOL implantation, via phacoemulsification with or without femtosecond laser assisted cataract surgery (FLACS). Astigmatism management techniques, such as Astigmatic Keratotomy (AK), may be utilized during cataract surgery to target a predicted postoperative cylinder less than 0.75 D.
- Clear intraocular media other than cataract (i.e., no hyphema, vitreous hemorrhage).
- No visual acuity limiting corneal or retinal pathologies.

... and 2 more (see full listing online)

### Exclusion (18)

- Implantation of an IOL other than the CT LUCIA 621P in one or both eyes.
- Eyes with preoperative anterior corneal astigmatism of  $\geq 1.00$  D as measured by the IOLMaster 700 or with greater than 0.75 D predicted post-operative astigmatism at the spectacle plane.
- Visual field loss which has an impact on visual acuity.
- Subjects with diagnosed degenerative visual disorders (e.g., macular degeneration or other retinal disorders) that would confound visual acuity measurement.
- Subjects with surgical complications in whom a CT LUCIA 621P IOL cannot be implanted in either eye.

... and 13 more (see full listing online)

## Locations (2 total)

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Berkeley Eye Center, Sugar Land, Texas, United States  
Piedmont Eye Center, Lynchburg, Virginia, United States

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<https://clinicaltrials.gov/study/NCT07084545>

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