

Study Spotlight: Clinical Outcomes and Patient Satisfaction with CT LUCIA® 621P



Seeing beyond

Excellent visual and optical performance with very good refractive outcomes.

Source



Title

Clinical Outcomes of a Monofocal, Optimized, Aspheric, Hydrophobic Acrylic Intraocular Lens Implant



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Publication

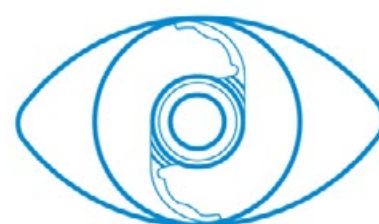
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Methodology

Study Site Workflow

- **Patient selection**
Age ≥ 50 , astigmatism ≤ 1.00 D
No irregular astigmatism, refractive surgery, or vision/lens stability issues
- **IOL calculation**
IOLMaster 700, Barret Formula
- **Standard cataract surgery**
using phacoemulsification

Sample Size



45 patients - 55 eyes
3 months follow up

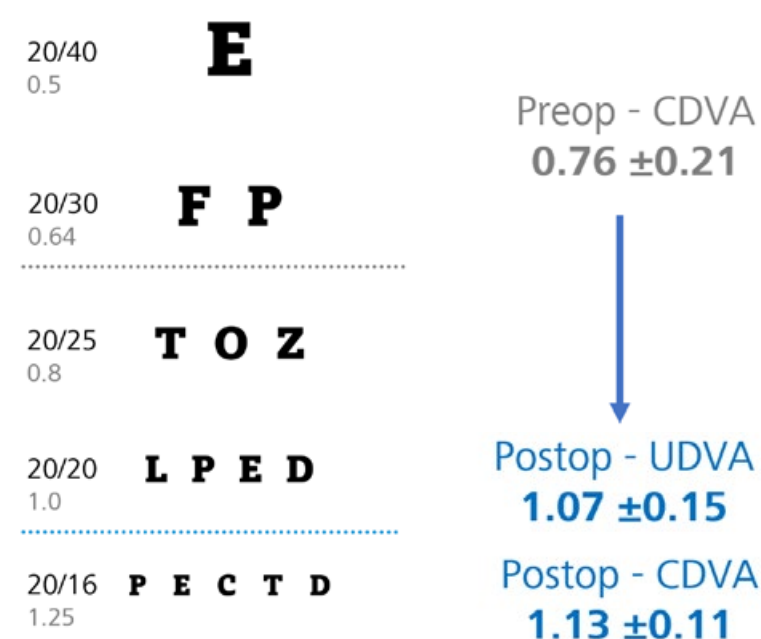
Main Evaluation Criteria

- **Predictability**
- **Distance Visual Acuity (DVA)**
Corrected and uncorrected
- **Contrast Sensitivity**
- **Patient Satisfaction**

Results

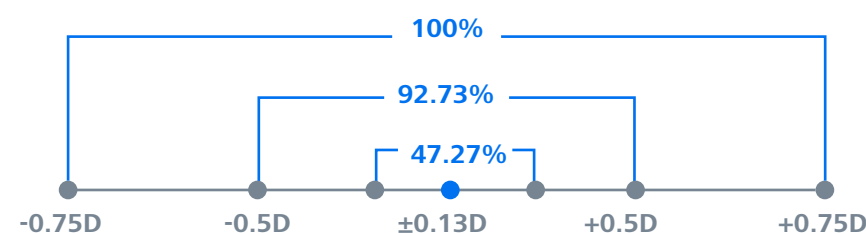
Improvement of Visual Acuity (Decimal)

0.37 improvement of CDVA
94.55% of patients reached 20/20 or better



Predictability

Mean spherical equivalent of -0.03 ± 0.30 D



Patient Satisfaction

100% satisfaction with current vision

Contrast Sensitivity

Contrast sensitivity in photopic and mesopic conditions was good and similar for all spatial frequencies