Study Spotlight: ZEISS CT LUCIA 621P delivers high patient satisfaction

Seeing beyond

Study shows high satisfaction of cataract patients implanted with ZEISS CT LUCIA 621P including low visual phenomena

Source

Title
Preliminary Evaluation of Clinical and Non-Clinical Outcome Metrics in Patient Satisfaction After Implantation of a Non-Constant Aberration Correcting Monofocal IOL

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Methodology

CT LUCIA 621P

- Retrospective study, postoperative patient satisfaction questionnaire, bilateral implantation, preoperative corneal astigmatism ≤ 1.50 D
- Data extracted from the electronic medical record of Optical Express, UK
- Postoperative examination was conducted up to 6-months after surgery
- Key findings were e.g., UDVA, CDVA, PCO, clinical and non-clinical variables impacting satisfaction (e.g. patient's age, UDVA), slit lamp examination, IOL glare, halo, starburst, ghosting/double vision

Sample Size

194 eyes of 97 patients

follow-up 1 to 6 month

Results

The clinical trial demonstrates "high patient satisfaction and visual performance" with ZEISS CT LUCIA 621P postoperatively after 6 months:

Visual Acuity Outcomes

85.6% of patients achieved mean corrected distance visual acuity (CDVA) of 20/20 or better.

Patient satisfaction rates

94.8% reported being satisfied to very satisfied with their vision.
97.9% reported that they would have the surgery again and 99.0% would recommend the surgery to their friends and relatives.

Visual Phenomena

The study showed low visual phenomena difficulty at any visit during the 6 month follow up. 72.2% of patients reported having no difficulty with glare; 89.7% with halo; 85.6% with starburst; and 89.7% with ghosting/double vision.

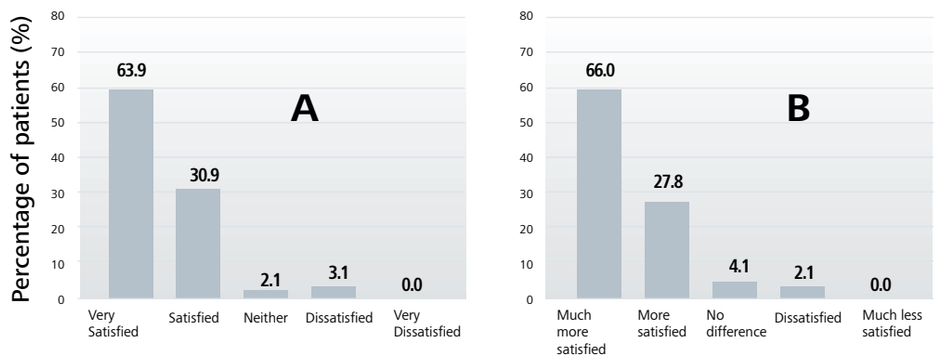

Figure 1. Postoperative satisfaction comparison with vision without glasses after surgery (A), and with glasses before surgery (B), n = 97 patients.

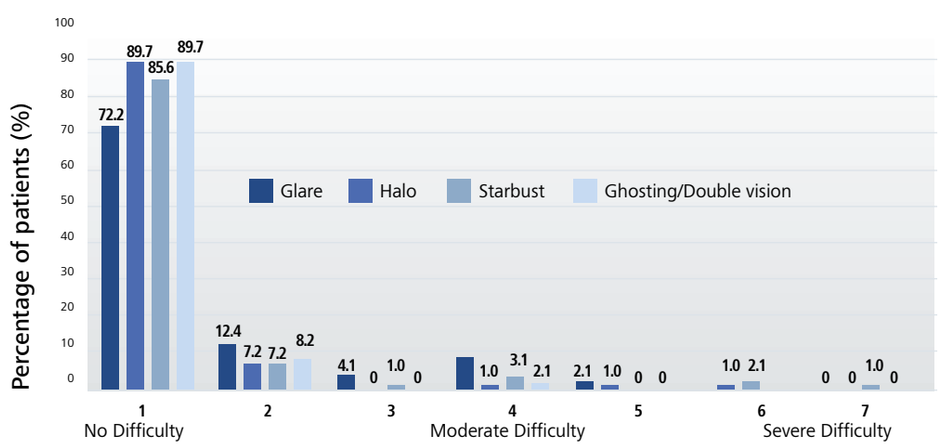

Figure 2. Postoperative difficulty with visual phenomena, n = 97 patients.

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