

Study Spotlight: Visual Outcomes and Patient Satisfaction with ZEISS CT LUCIA 621P



Seeing beyond

Source



Title
Visual Performance and Stability of a modified aspheric monofocal IOL



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Methodology

- Measurement of refractive outcome and visual acuity
- Collection of pre-operative and post-operative* clinical data (*1 day, 1 month and 6 months after surgery)
- Collection of patient satisfaction data using the Catquest-9SF questionnaire

Sample Size

- 43 patients (65 eyes)
- Age: 56 – 87 years (Median 76)
- 6 months follow up
- IOL calculation → ZEISS IOLMaster 700
- No astigmatism correction



Results

Monocular/binocular CDVA 6 months after surgery

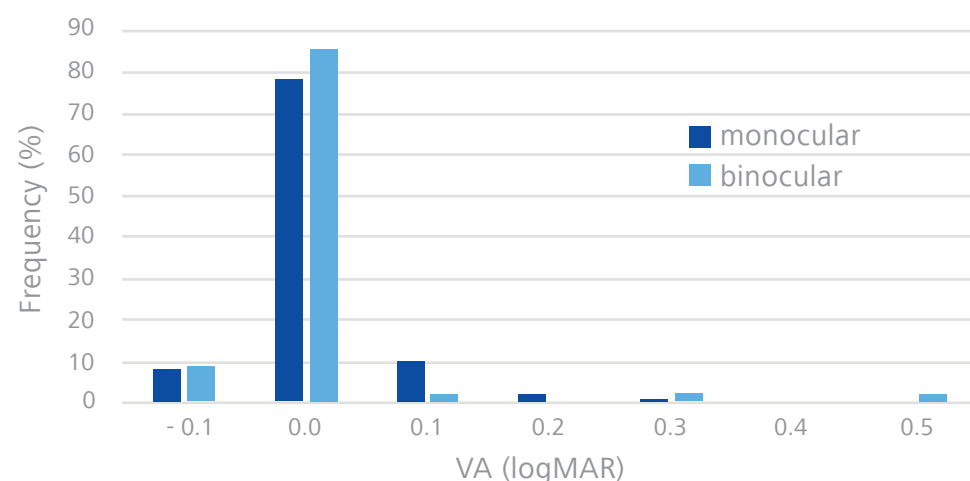


Figure 1: Corrected distance visual acuity 6 months after surgery

Do you have problems/difficulties with ...?

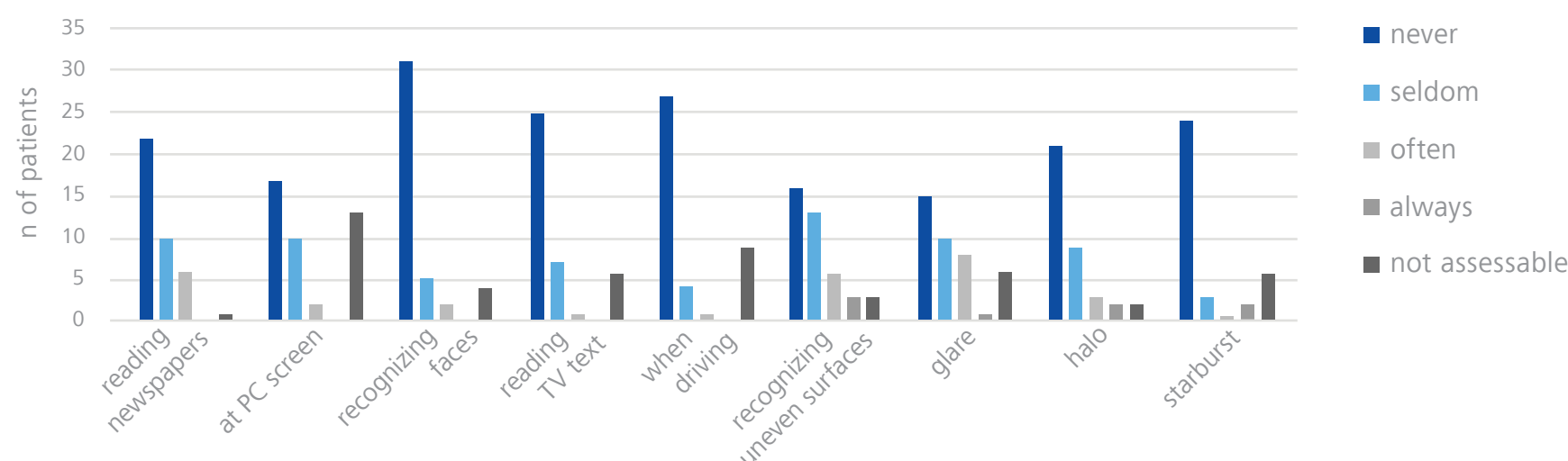


Figure 2: Results of the Catquest-9SF

ZEISS CT LUCIA 621P

- The binocular CDVA of ZEISS CT LUCIA® 621P was 20/20 or better in 94 % of the cases after 6 months
- The binocular UDVA was 20/25 or better in more than 75 % of all cases
- Mean relative prediction error 6 months post-op was $\pm 0.16D$
- 77 % of eyes had a refractive error of $\leq 0.5D$
- 94 % of eyes had a refractive error of $\leq 1.00D$ at 6M

- ▶ **98 % of the patients are always or often satisfied with their current vision after the surgery**
- ▶ **97 % of the patients never had or seldom have any difficulties with their vision in their daily life**