Study Spotlight: Single-use Lenses for ZEISS RESIGHT

Seeing beyond

All three single-use lenses showed significant improvements[1] during routine vitrectomy surgery, particularly in terms of reduced fogging, enhanced field of view and consistent, superior image quality.

Source

Title
Clinical Performance of Novel Single-Use Lenses in Vitreoretinal Surgery

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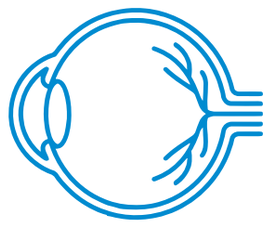
Publication
Journal of VitreoRetinal Diseases
2025: 9(5): 622 - 627

Methodology

Single-center investigator-initiated prospective case study.
Subjective evaluation and grading of the performance and features of single-use MACULA LENS, WIDE-ANGLE LENS, and ULTRA WIDE-ANGLE LENS for ZEISS RESIGHT versus reusable 60D green lens and 128D yellow lens for ZEISS RESIGHT and single-use flat contact lens VL00. D01, Vitreq/BVI.

Sample Size

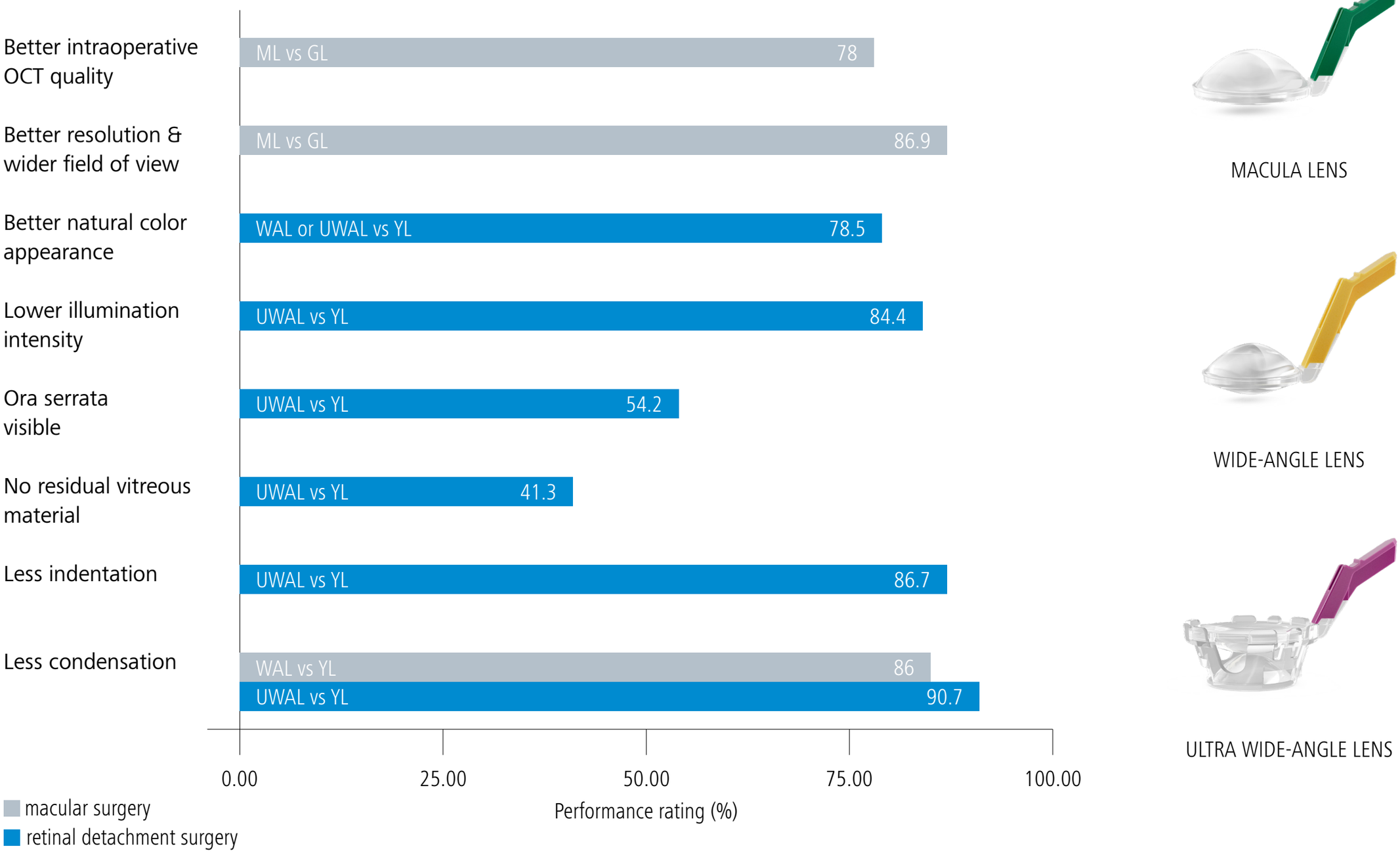


Total of **181 patients** undergoing retinal detachment surgery (n=89) or macular surgery (n=92)

Results

Retinal detachment surgery (n=89) and macular surgery (n=92)

Single-use lenses vs. reusable lenses



MACULA LENS

WIDE-ANGLE LENS

ULTRA WIDE-ANGLE LENS

Abbreviations: ML = MACULA LENS; WAL = WIDE-ANGLE LENS; UWAL = ULTRA WIDE-ANGLE LENS; YL = yellow 128D lens; GL = green 60D lens

Both in the retinal detachment and macular surgery patient group, the single-use lenses showed better performance compared to the reusable models, suggesting that they could offer significant improvements in the outcomes of routine vitrectomy surgery.

[1] compared to 60D reusable and 128D reusable lenses for ZEISS RESIGHT

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