

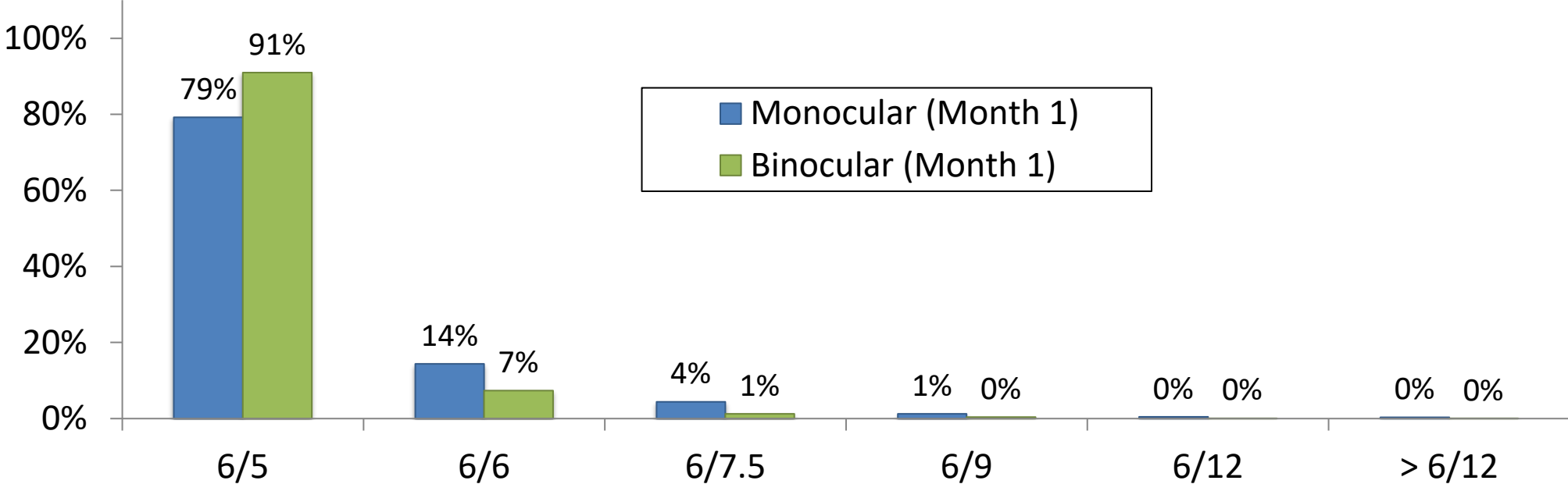
# A New Topography Integrated Wavefront Guided Aberrometer Used in LASIK Treatment of a Wide Range of Myopia

Financial disclosure: Presenting author David Teenan and Co-authors Stephen Hannan are employed by [Optical Express](#). None of the authors have a financial or proprietary interest in the products and materials presented in this paper.

# Inclusion Criteria

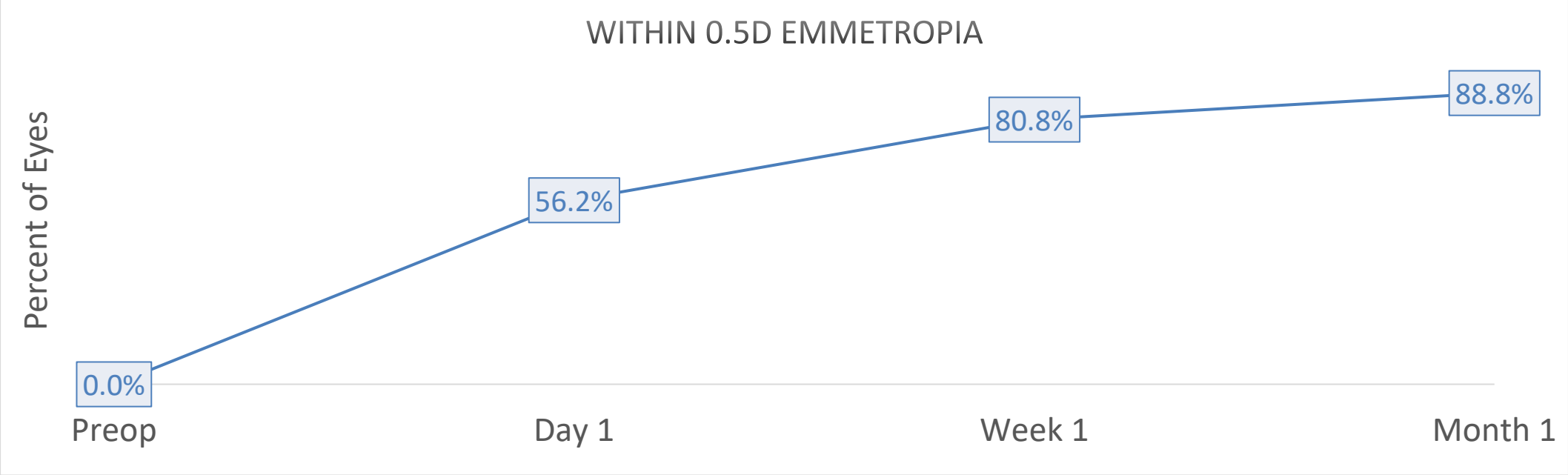
- LASIK with iDesign 2.0.
- Provider: Optical Express.
- Preoperative myopia range -0.50D to -11.00D.
- Up to 5.50D astigmatism.
- Consecutive treatments between May 2019 and May 2021.
- Completed clinical visit and patient reported outcomes questionnaire at month 1.
- Number of patients/eyes available for analysis: 6144 /12089.

# Uncorrected Distance Visual Acuity



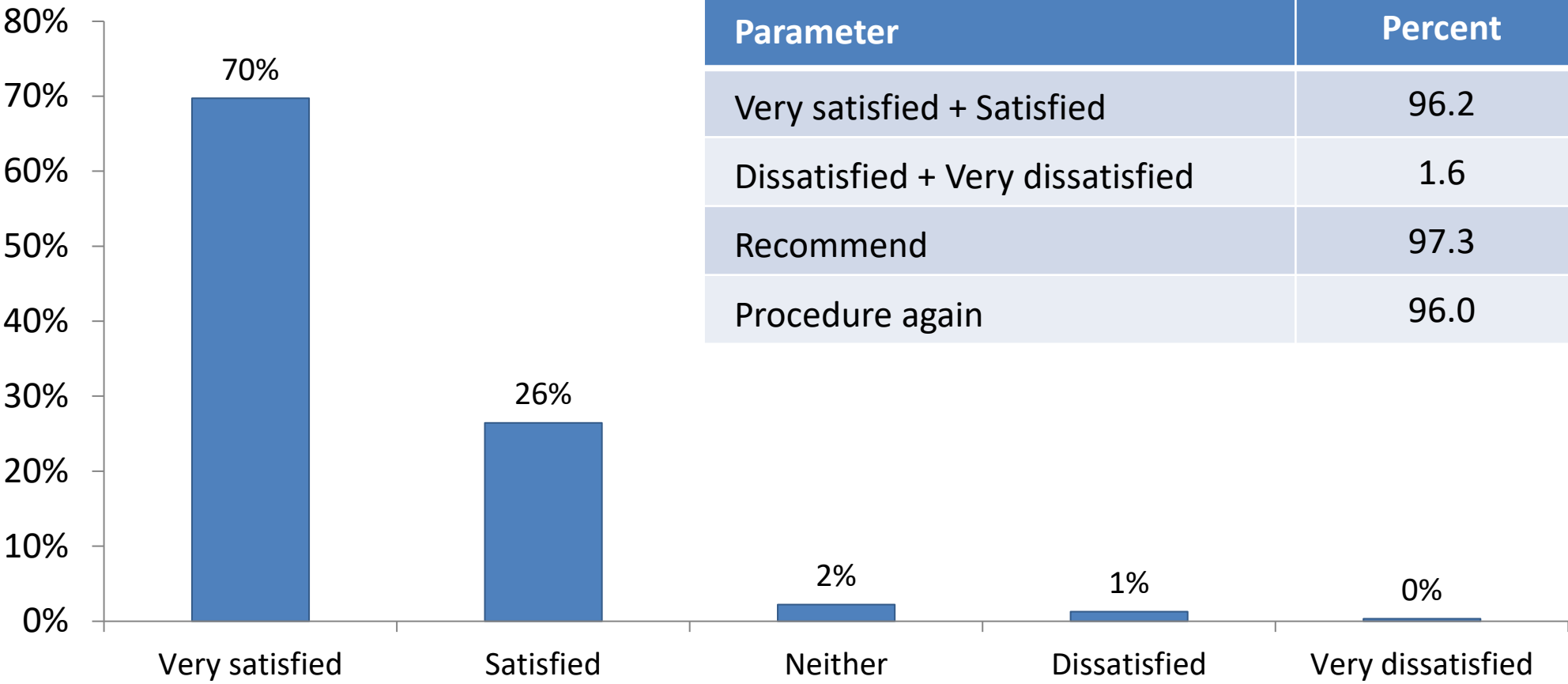
6/6 or better (%)	Day 1	Month 1
Monocular	89.9	93.6
Binocular	96.5	98.3

# MSE over Time



Within Target Emmetropia (%)	$\leq 0.50D$	$\leq 0.75D$	$\leq 1.00D$
Month 1	88.8	95.9	98.4

# Patient Reported Satisfaction & Recommendation



Parameter	Percent
Very satisfied + Satisfied	96.2
Dissatisfied + Very dissatisfied	1.6
Recommend	97.3
Procedure again	96.0

# Conclusions

- iDesign 2.0 provides a highly safe and effective treatment option for myopic patients.
- Postoperative visual gains in UCDVA were significant.
- Refractive error was corrected with high a proportion of patients within 0.50D of emmetropia.
- Complication rates were low and only 0.1% recorded loss of >2 lines BCDVA.
- Patient reported satisfaction and willingness to recommend was high.

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