

Title: Laboratory investigation of preclinical visual-quality metrics and halo-size in enhanced monofocal intraocular lenses

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SUPPLEMENTARY MATERIAL

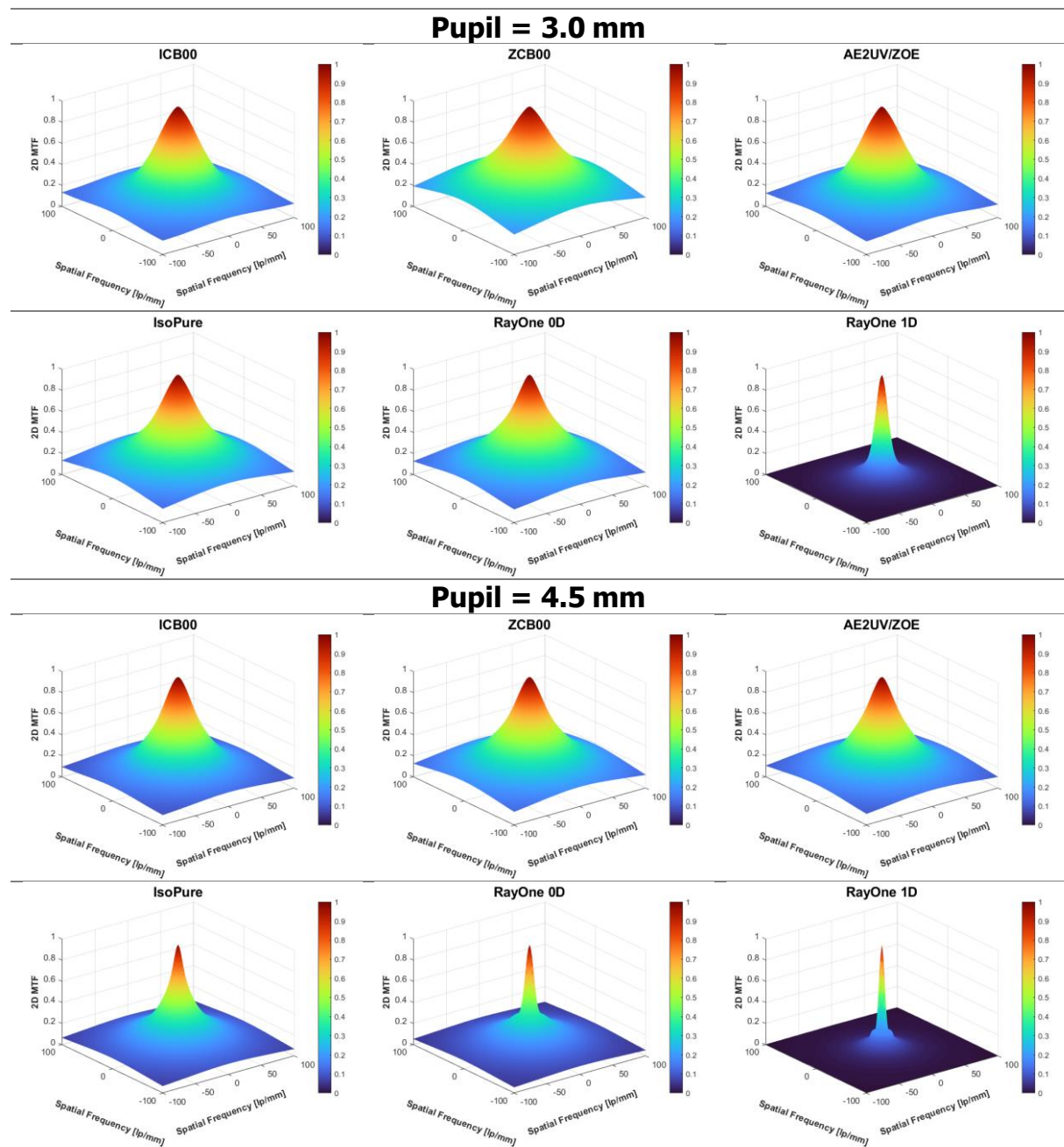


Figure 1S: 2D-modulation transfer function (2D MTF) visualizations of the five intraocular lens models. Given that the RayOne is intended for monovision, the MTF evaluation was performed at the best lens' focus (0D) and following a 1 D offset.

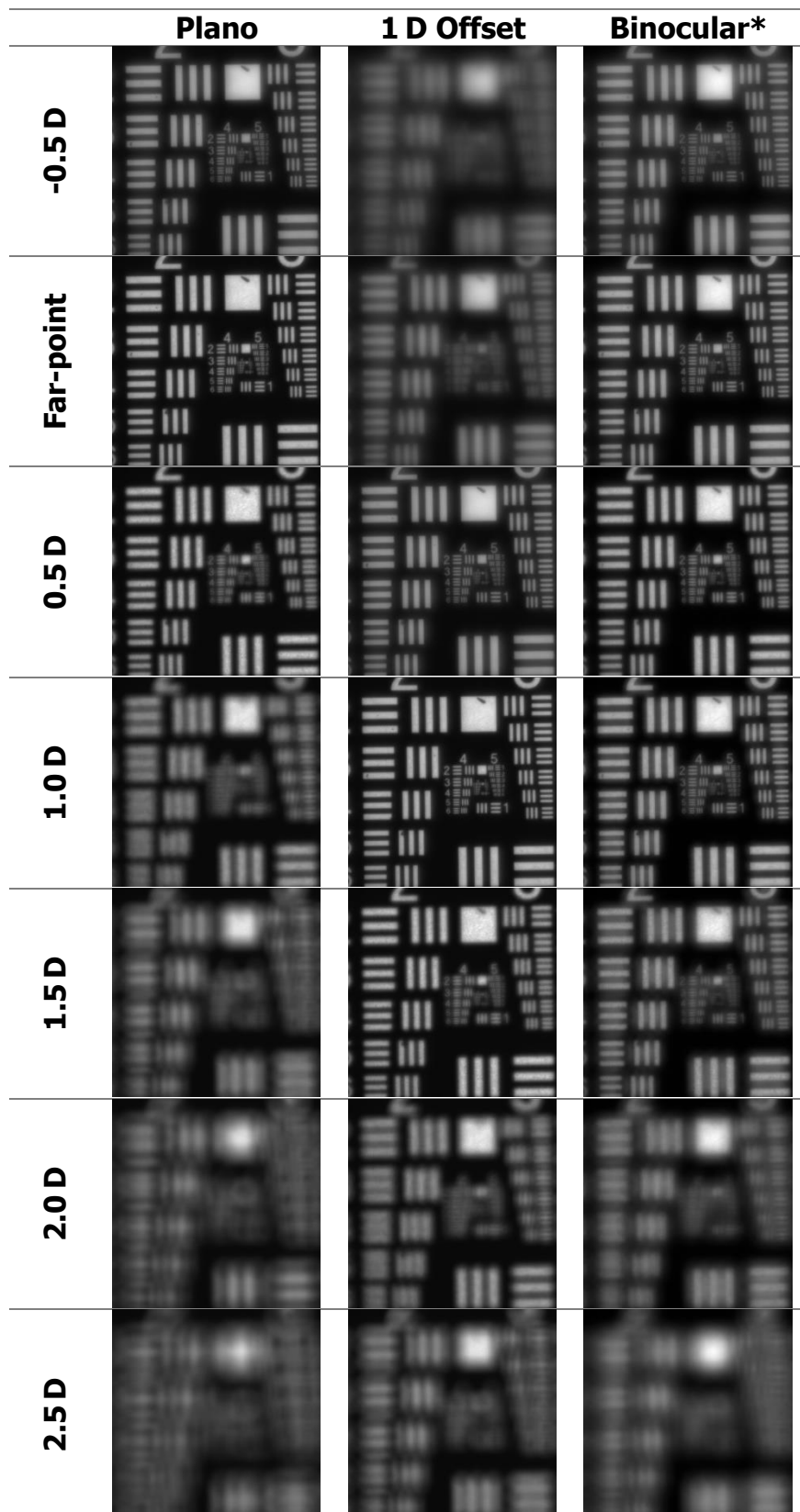


Figure 2S: USAF target (monocular) images of the RayOne EMV IOL taken with and without a 1.0 D offset, and the quadratic summation to simulate binocular vision. *Quadratic summation of two corresponding images.

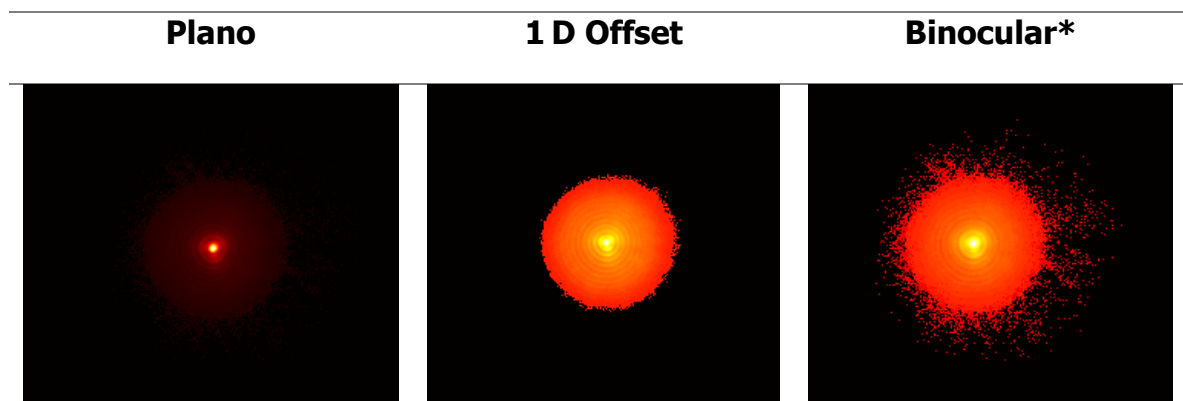


Figure 3S. Point spread function photographs (monocular) of the RayOne EMV taken with and without a 1.0 D offset at 4.5-mm pupil, and the quadratic summation to simulate binocular vision. *Quadratic summation of the two corresponding images.