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Final Acceptance: No Decision Yet	
Title	A prospective study of Vivity & Vivity toric IOL in Taiwan: Preliminary Results and Analysis
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Abstract	<p><b>Purpose:</b> Vivity is the first non-diffractive wavefront shaping designed extended depth of focus (EDOF) IOL in the world. The aim of our study is to evaluate the quality of vision after bilateral Vivity or Vivity toric EDOF IOLs implantation in Taiwan. This is the first large-scale prospective study on the outcomes of Chinese individuals using Vivity.</p> <p><b>Methods:</b> Our study was a prospective, single arm study. The inclusion criteria for this study were the presence of cataracts in both eyes who received bilateral Vivity IOL implantation, targeting emmetropia or mini-monovision (-0.50D) of both eyes. Methods of measuring of outcomes include binocular uncorrected and corrected far, intermediate (66cm) and near (40cm) visual acuity. Visual quality measurement including intermediate reading speed test using International Reading Speed Test, Questionnaire for Visual Disturbances, and Intraocular Lens Satisfaction questionnaire were performed before and after surgery for 3 months.</p> <p><b>Results:</b> There were 37 patients and 74 eyes were included in our study, with 26 patients targeting emmetropia and 11 patients targeting mini-monovision (-0.50 D). For visual acuity outcomes, the uncorrected binocular far, intermediate and near visual acuity were <math>0.04 \pm 0.05</math>, <math>0.23 \pm 0.15</math> and <math>0.33 \pm 0.19</math> logMAR, respectively. Corrected binocular far visual acuity was <math>0.00 \pm 0.01</math> logMAR, while intermediate and near visual acuity were <math>0.16 \pm 0.22</math> and <math>0.20 \pm 0.19</math> logMAR. For intermediate reading speed outcomes, the mean reading time</p>

	<p>was <math>44.5 \pm 9.8</math> seconds, and the mean reading speed was <math>209.5 \pm 46.4</math> words per minutes.</p> <p><b>Conclusions:</b> Vivity IOL could achieve good far and intermediate vision, with acceptable near visual acuity. For possible photopic problems, halo and glare were complained less.</p>
Presentation Preference	Free Paper
Subspecialty	Other (General Ophthalmology)
Keywords	Vivity, Non-diffractive EDOF, Presbyopia