

**Table S1** Vector analysis summary at 6 months

<b>Preoperative Cylinder</b>	<b>n</b>	<b>Absolute IRC  Mean ± SD</b>	<b>Absolute SIRC  Mean ± SD</b>	<b>Absolute EV  Mean ± SD</b>	<b>CR  Mean ± SD</b>	<b>ER  Mean ± SD</b>
All	124	0.73 ± 0.55	0.68 ± 0.48	0.19 ± 0.27	0.90 ± 0.28	0.22 ± 0.37
0.0 D to ≤ 0.5 D	60	0.27 ± 0.21	0.34 ± 0.23	0.17 ± 0.25	0.94 ± 0.37	0.30 ± 0.51
> 0.5 D to ≤ 1.0 D	26	0.78 ± 0.12	0.70 ± 0.21	0.10 ± 0.20	0.89 ± 0.22	0.14 ± 0.27
> 1.0 D to ≤ 2.0 D	35	1.34 ± 0.20	1.14 ± 0.29	0.28 ± 0.34	0.86 ± 0.20	0.20 ± 0.23
> 2.0 D to ≤ 3.0 D	3	2.27 ± 0.28	2.11 ± 0.53	0.16 ± 0.29	0.92 ± 0.14	0.08 ± 0.14

**Abbreviations:** IRC, intended refractive correction; SIRC, surgically induced refractive correction; EV, error vector (IRC-SIRC); CR, correction ratio (SIRC/IRC); ER, error ratio (EV/IRC); D, diopters

**Table S2** Error of magnitude at 6 months

<b>Preoperative Cylinder</b>	<b>n</b>	<b>EM Mean ± SD</b>	<b>Absolute EM Mean ± SD</b>	<b>Absolute EM ≤ 1.00 D n (%)</b>	<b>Absolute EM ≤ 0.50 D n (%)</b>
All	124	0.04 ± 0.27	0.15 ± 0.23	124 (100.0%)	118 (95.2%)
0.0 D to ≤ 0.5 D	60	-0.07 ± 0.25	0.14 ± 0.22	60 (100.0%)	58 (96.7%)
> 0.5 D to ≤ 1.0 D	26	0.08 ± 0.16	0.08 ± 0.16	26 (100.0%)	26 (100.0%)
> 1.0 D to ≤ 2.0 D	35	0.19 ± 0.29	0.20 ± 0.29	35 (100.0%)	31 (88.6%)
> 2.0 D to ≤ 3.0 D	3	0.16 ± 0.29	0.16 ± 0.29	3 (100.0%)	3 (100.0%)

**Abbreviations:** EM, error of magnitude; SD, standard deviation; D, diopters

**Table S3** Error of angle at 6 months

<b>Preoperative Cylinder</b>	<b>n</b>	<b>EA Mean ± SD</b>	<b>Absolute EA ≤ 15 degrees n (%)</b>	<b>EA &gt; +15 degrees n (%)</b>	<b>EA &lt; -15 degrees n (%)</b>
All	124	2.27 ± 17.88	104 (83.9%)	13 (10.5%)	7 (5.6%)
0.0 D to ≤ 0.5 D	60	4.83 ± 24.69	43 (71.7%)	12 (20%)	5 (8.3%)
> 0.5 D to ≤ 1.0 D	26	-1.83 ± 6.98	24 (92.3%)	1 (3.8%)	1 (3.8%)
> 1.0 D to ≤ 2.0 D	35	1.11 ± 6.05	34 (97.1%)	0 (0%)	1 (2.9%)
> 2.0 D to ≤ 3.0 D	3	0.00 ± 0.00	3 (100%)	0 (0%)	0 (0%)

**Abbreviations:** EA, error of angle; SD, standard deviation; D, diopters