

**Wound healing profiles of hyperopic-small incision lenticule extraction
(SMILE)**

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Supplementary Table 1. The measurement of IOP preoperatively and at 4 weeks postoperatively for different experimental groups

	Preoperatively (mmHg)	4 weeks postoperatively (mmHg)	P value*
SMILE +2.00 D	7.3 ± 1.1	6.3 ± 1.3	0.124
SMILE +4.00 D	7.4 ± 1.6	7.0 ± 2.0	0.166
SMILE-W2D	7.9 ± 1.5	7.8 ± 0.2	0.356
SMILE -W4D	8.2 ± 0.5	8.0 ± 0.8	0.244
LASIK +2.00 D	8.0 ± 1.4	7.0 ± 0.8	0.101
LASIK +4.00 D	8.4 ± 0.4	7.4 ± 0.5	0.184
Control	8.2 ± 0.2	9.0 ± 0.2	0.273

*Comparison between the measurements preoperatively and at 4 weeks postoperatively. Paired-t test.

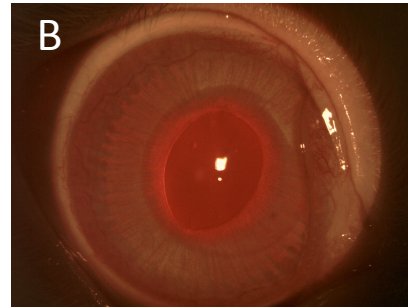
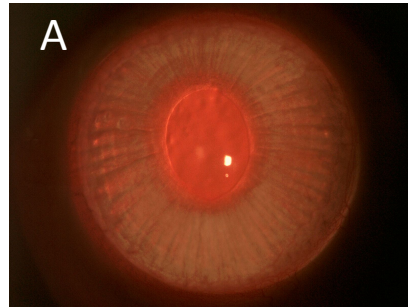
SUPPLEMENTARY FIGURE LEGENDS

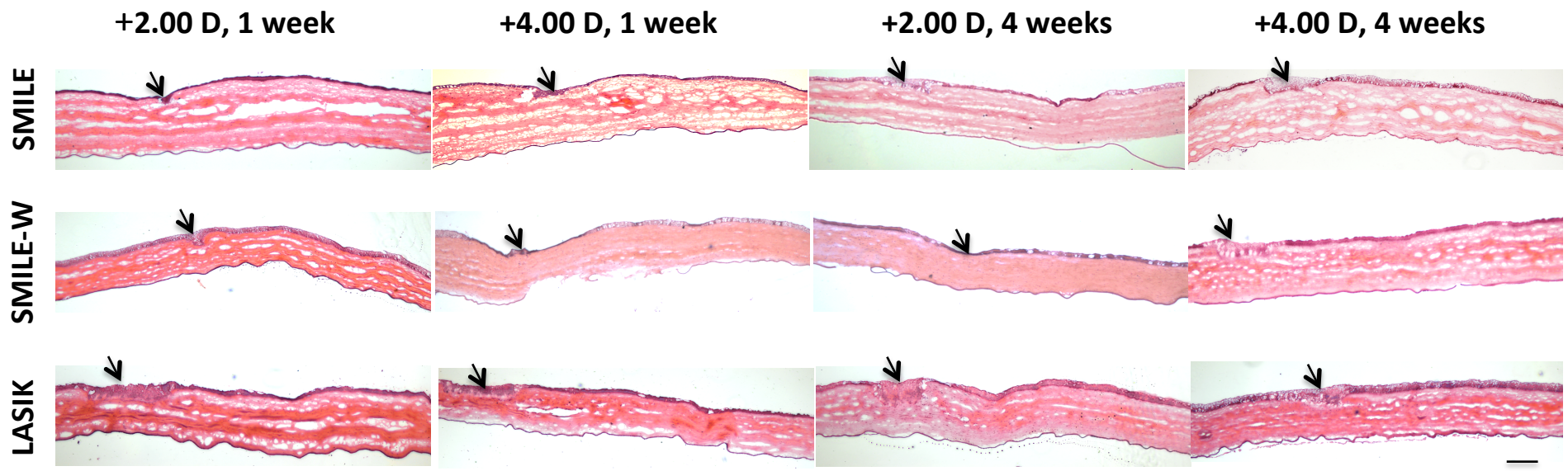
Figure S1. Representative slit lamp biomicroscopy of corneas at 4 weeks after hyperopic-SMILE (+4.00 D, A) and hyperopic-LASIK (+4.00 D, B).

All the corneas remained clear, and there was no corneal haze formation throughout the study period.

Figure S2. Hematoxylin-eosin (H&E) histochemistry of corneas at 1 week and 4 weeks after surgery. The small peripheral incision or flap incision (arrows) was healed by the regrowth of new epithelium within 1 week. No apparent inflammatory cells or fibrotic scar tissue was

observed in the entire cornea. Original magnification: 10X, scale bar 100 μm.





+2.00 D, 1 week

+4.00 D, 1 week

+2.00 D, 4 weeks

+4.00 D, 4 weeks

SMILE

SMILE-W

LASIK

