

**Supplementary Table S1.** Demographics of patients with RRD

Demographics and characteristics	Eyes of 76 Patients, <i>n</i> (%)
Age, years	22.25 ± 5.76 (range, 10–30; median, 22)
Gender, <i>n</i> (%)	
Male	42 (68.4)
Female	24 (31.6)
Eyes <sup>†</sup> , <i>n</i> (%)	
OD	45 (52.9)
OS	40 (47.1)
Mean axial length (mm)	28.39 ± 2.17 <sup>&amp;</sup>
Refractive error (SE)	−8.76 ± 3.99 <sup>#</sup>
Surgical history, <i>n</i> (%)	
Posterior scleral reinforcement	4 (4.7)
Cataract extraction	1 (1.2)
Cataract extraction + IOL	1 (1.2)
LASIK <sup>‡</sup>	3 (3.5)
ICL	2 (2.4)
Mean follow-up time, months	20.46 ± 11.35 (range, 8–53; median, 16)

**Note.** *N* = 85; <sup>†</sup> A total of 25 eyes of 16 patients with bilateral involvement were included. <sup>&</sup> Axial length data of 58 eyes were available. <sup>#</sup> Diopter data of 65 eyes were available. <sup>‡</sup> One eye had LASIK followed by ICL implantation 8 years later. ICL, implantable collamer lens; IOL, intraocular lens; LASIK, laser-assisted in-situ keratomileusis; RRD, rhegmatogenous retinal detachment; SE, spherical equivalent.

**Supplementary Table S2.** Multivariable logistic regression analysis of risk factors for postoperative ocular hypertension

Risk factor	OR	95% CI	<i>P</i>
PPV <sup>*</sup>	33.42	2.15–520.52	0.012
Extent of RD			0.396
1 quadrant	1		
2 quadrants	3.16	0.19–52.66	0.423
3 quadrants	2.52	0.13–47.52	0.537
4 quadrants	0.15	0–9.22	0.365
Maximum height of RD (mm)	1.77	0.88–3.54	0.108
Pathology			0.997
Single break	1		
Multiple breaks	1.03	0.11–9.91	0.982
Giant retinal tear	1.16	0.03–53.44	0.939
Refractive error (SE)	1.03	0.82–1.29	0.821

**Note.** <sup>\*</sup> Four patients who underwent SB followed by PPV were not included in the analysis. *CI*, confidence interval; *OR*, odds ratio; PPV, pars plana vitrectomy; PVR, proliferative vitreoretinopathy; RD, retinal detachment; SB, Sclera buckling.