

Table S1 Demographic characteristics of the patients

Features	Data
Age (years)	50.23±15.22 [15–86]
Gender (male/female)	35/25
Duration of retinal detachment (weeks)	2.50 [1.43, 8]
BCVA at initial visit (logMAR)	1.55±0.62 [0.046–2.5]
IOP at initial visit (mmHg)	13.01±4.50 [5.3–29.2]
AL (mm)	25.36±2.54 [21.69–34.45]
Endothelial cell count (cells/mm ²)	2,616±299 [1,862–3,058]
Status of lens (phakia/pseudophakia)	50/10
Status of macular (on/off)	8/52
PVR grade C	32 (53.33)
MH	12 (20.00)
RRD with a giant retinal tear	6 (10.00)
RRD with multiple retinal breaks involving more than one quadrant	15 (25.00)
RRD extent (clock hours)	8.01±3.54 [2–12]
Choroidal detachment	14 (23.33)

Data are presented as the mean ± standard deviation [range], number, median [P25, P75], or number (%). BCVA, best correct visual acuity; logMAR, logarithm of the minimum angle of resolution; IOP, intraocular pressure; AL, axial length; PVR, proliferative vitreoretinopathy; MH, macular hole; RRD, rhegmatogenous retinal detachment.

Table S2 Surgical status of the 60 eyes

Surgical status	Data
Surgery steps	5.22±1.17 [3–9]
Total surgical time (min)	59.22±14.85 [40–120]
Core vitrectomy time (min)	0.99±0.25 [0.43–2.23]
Shaving vitrectomy time (min)	22.02±9.69 [8–60]
Iatrogenic retinal break (eyes)	15 (25.0)
Intraocular tamponade (air/silicone oil)	5/55
Combined phacoemulsification (eyes)	34 (56.67)
Combined IOL extraction (eyes)	2 (3.33)
Retinotomy (eyes)	5 (8.33)
Combined encircling band (eyes)	4 (6.67)

Data are presented as the mean ± standard deviation [range], number (%), or number. IOL, intraocular lens.

Table S3 Findings during follow-up period

Findings	Data
Retinal re-detachment (eyes)	6 (10.00)
Elevated IOP (eyes)	19 (31.67)
Treatment of elevated IOP (medicine and/or surgery)	15/4
Follow-up time (months)	6.31±2.24 [2–13]
Silicone oil re-tamponade	6
Silicone oil excavation	43
BCVA at last visit (logMAR)	0.99±0.54 [0–2]
IOP at last visit (mmHg)	17.48±6.06 [6–35]
Retinal attached at last visit (eyes)	60
Status of lens (phakia/pseudophakia/phakia) at last visit (eyes)	21/10/29
Silicone oil tamponade at last visit (eyes)	13

Data are presented as the number (%), number, or mean ± standard deviation [range]. IOP, intraocular pressure; BCVA, best correct visual acuity; logMAR, logarithm of the minimum angle of resolution.