

Table S1. Demographics of patients who underwent secondary intracapsular IOL implantation (N=30)

Parameters	Value
Sex	
Male	18
Female	12
Eye	
Right	18
Left	12
Mean age (years)	55.77±10.32
Mean AL (mm)	24.88±2.02
Mean K value (D)	43.41±1.77
IOL	
Rayner 920H	17
SA60AT	13
Mean IOL power (D)	19.47±3.67
Follow-up duration (months)	24.2±5.06

Data are presented as numbers or means ± standard deviations. AL, axial length; IOL, intraocular lens; K: keratometry.

Table S2. Refractive outcomes by macular status and IOL type

Refractive outcome (SRK/T)	ME (D)	MAE (D)
All eyes	-0.45±0.68	0.62±0.52
Macular status		
Macula-on (n=7)	-0.00±0.33	0.25±0.19
Macula-off (n=23)	-0.58±0.70	0.73±0.53
<i>P</i> value	0.046*	0.008*
IOL type		
Rayner 920H	-0.58±0.64	0.68±0.53
SA60AT	-0.26±0.71	0.54±0.51
<i>P</i> value	0.205	0.509

Data are presented as numbers or means ± standard deviations. IOL, intraocular lens; ME, mean prediction error; MAE, mean absolute prediction error.

*Student's t-test (normally distributed data) or nonparametric Mann-Whitney's test (non-normally distributed data) was used for subgroup comparisons. *P*<0.05 indicated statistical significance.

Table S3. Comparison of baseline characteristics and 2-month postoperative ACD in secondary versus primary IOL implantation

Parameters	Secondary intracapsular IOL implantation (N=30)	Control (phaco and primary IOL implantation) (N=30)	<i>P</i> value *
Sex			
Female	12	15	0.604
Male	18	15	
Eye			
Right	18	20	0.789
Left	12	10	
Mean age (years)	55.77±10.32	58.43±16.10	0.449
Mean AL (mm)	24.88±2.02	25.56±1.80	0.175
Postoperative ACD (mm)	4.81±0.63	4.93±0.40	0.478

Data are presented as numbers or mean ± standard deviation. IOL, intraocular lens; AL, axial length; ACD, anterior chamber depth.

*Student's t-test (for continuous variables) or chi-squared test (for categorical variables) was used for comparison between the two cohorts. *P*<0.05 indicated statistical significance

Table S4. Outcome of 5 cases underwent air tamponade for RRD and secondary IOL implantation

Case	Gender / Eye/ Age/	BCVA (LogMAR)		SE (D)		IOP (mmHg)		ECD (cells/mm2)		SRK/T ME (D)	H- Decent ration (mm)	H- Tilt (degree)	V- Decent ration (mm)	V- Tilt (degree)	Follow- up (months)
		Pre	Post	Pre	Post	Pre	Post	Pre	Post						
		<i>P</i> =0.280		<i>P</i> =0.000		<i>P</i> =0.387		<i>P</i> =0.177							
1	M/L/53	0.52	0.15	5.125	-4.375	14.4	15	2730	2283	-0.045	0.61	0.81	0.12	0.51	6
2	M/L/58	0.15	0.05	9.25	-4.75	18.5	13	2804	2630	-1.04	0.22	0.78	0.81	0.41	5
3	F/L/70	0.70	0.30	12.625	-0.625	13.6	19.9	2469	1859	-0.425	0.24	1.02	0.17	0.07	6
4	F/L/65	0.52	0.70	10.75	-0.5	13.5	16.1	2183	2262	-0.46	0.36	0.16	0.35	1.19	4
5	M/L/55	0.82	0.82	7.25	-1.625	14.2	21.1	2695	2740	-0.585	1.09	2.33	0.99	1.44	5
Mean		0.54	0.40	9.00	-2.38	14.84	17.02	2576	2354	-0.51	0.50	1.01	0.49	0.72	5.20
± SD		± 0.25	±0.34	±2.93	±2.05	±2.08	±3.39	±252.86	±347.74	±0.36	±0.36	±0.80	±0.39	±0.57	±0.84