Supplementary Material

Ophthalmology Residents Experience in Cataract Surgery: Pre-Operative Risk Factors, Intraoperative Complications and Surgery Outcomes

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Table S1- **Comparison of incidence of complications between populations with and without risk factors.** Including only cohorts with size >=25**.**

Cohorts:	Posterior Capsule Tear	Vitreous Loss	Dropped Lens	Anterior Capsule tear	Iris prolapse	Fiber Loss	Hyphema	Membrane Damage	IOL	Cut Leak	ECCE2	Any complication
Small Pupil (n=104)	9 (9%)	7 (7%)	1 (1%)	1 (1%)	2 (2%)	2 (2%)	0 (0%)	1 (1%)	0 (0%)	5 (5%)	2 (2%)	18 (17%)
Without Small Pupil (n=587)	51 (9%)	27 (5%)	6 (1%)	10 (2%)	7 (1%)	4 (1%)	1 (0%)	1 (0%)	1 (0%)	8 (1%)	1 (<1%)	75 (13%)
p-value	0.99	0.35	0.95	0.57	0.54	0.20	0.67	0.16	0.67	0.01	0.01	0.21
Oral Alpha (n=88)	9 (10%)	5 (6%)	1 (1%)	1 (1%)	2 (2%)	1 (1%)	1 (1%)	0 (0%)	0 (0%)	3 (3%)	0 (0%)	5 (10%)
Without Oral Alpha (n=603)	51 (8%)	29 (5%)	6 (1%)	10 (2%)	7 (1%)	5 (1%)	0 (0%)	2 (0%)	1 (0%)	10 (2%)	3 (<1%)	88 (14%)
p-value	0.58	0.72	0.90	0.71	0.39	0.77	0.009	0.58	0.70	0.25	0.62	0.39
DR (n=52)	3 (6%)	2 (4%)	0 (0%)	3 (6%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (2%)	0 (0%)	2 (1%)	28 (14%)
Without DR (n=639)	57 (9%)	32 (5%)	7 (1%)	8 (1%)	9 (1%)	6 (1%)	1 (0%)	2 (0%)	0 (0%)	13 (2%)	1 (<1%)	65 (13%)
p-value	0.43	0.70	0.44	0.012	0.39	0.48	0.77	0.68	**0.0005**	0.29	0.13	0.63
Poor Cooperation (n=194)	16 (8%)	11 (6%)	3 (2%)	6 (3%)	3 (2%)	1 (1%)	0 (0%)	1 (1%)	1 (1%)	2 (1%)	0 (0%)	14 (16%)
Without Poor Cooperation (n=497)	44 (9%)	23 (5%)	4 (1%)	5 (1%)	6 (1%)	5 (1%)	1 (0%)	1 (0%)	0 (0%)	11 (2%)	3 (<1%)	79 (13%)
p-value	0.79	0.57	0.38	0.049	0.72	0.53	0.53	0.48	0.10	0.30	0.50	0.47
Shallow (n=27)	1 (4%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (4%)	0 (0%)	0 (0%)	0 (0%)	1 (4%)	0 (0%)	5 (20%)
Without Shallow (n=664)	59 (9%)	34 (5%)	7 (1%)	11 (2%)	9 (1%)	5 (1%)	1 (0%)	2 (0%)	1 (0%)	12 (2%)	3 (<1%)	88 (13%)
p-value	0.34	0.22	0.59	0.50	0.54	0.10	0.84	0.77	0.84	0.47	0.73	0.32
Phacodonesis (n=25)	3 (12%)	3 (12%)	0 (0%)	0 (0%)	1 (4%)	1 (4%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (<1%)	47 (14%)
Without Phacodonesis (n=666)	57 (9%)	31 (5%)	7 (1%)	11 (2%)	8 (1%)	5 (1%)	1 (0%)	2 (0%)	1 (0%)	13 (2%)	1 (<1%)	46 (13%)
p-value	0.54	0.09	0.60	0.51	0.22	0.08	0.84	0.78	0.84	0.48	0.54	0.75
One or less RF (n=262)	47 (8%)	24 (4%)	5 (1%)	7 (1%)	7 (1%)	4 (1%)	1 (0%)	1 (0%)	0 (0%)	9 (2%)	1 (<1%)	69 (12%)
Two or more RFs (n=429)	13 (11%)	10 (9%)	2 (2%)	4 (3%)	2 (2%)	2 (2%)	0 (0%)	1 (0%)	1 (1%)	4 (3%)	2 (2%)	21 (18%)
p-value	0.28	0.043	0.40	0.07	0.66	0.27	0.65	0.20	0.02	0.17	**0.0205**	0.07
Any RF (n=302)	28 (8%)	17 (5%)	3 (1%)	7 (2%)	5 (1%)	3 (1%)	1 (0%)	1 (0%)	1 (0%)	6 (2%)	0 (0%)	2 (7%)
No RF (n=389)	32 (9%)	17 (5%)	4 (1%)	4 (1%)	4 (1%)	3 (1%)	0 (0%)	1 (0%)	0 (0%)	7 (2%)	3 (<1%)	91 (14%)
p-value	0.69	0.91	0.74	0.32	0.69	0.96	0.30	0.97	0.30	0.83	0.72	0.34

* The Z-proportion test was used. Bonferroni correction was applied, setting the significance threshold at p < 0.008 (0.05/6). Significant differences are highlighted in bold. Aggregative features, such as any RF, one or less and two or more RFs, were not included in the Bonferroni adjustment. RF= Risk factor, DR=Diabetic Retinopathy, IOL= Intraocular lens, ECCE=Extracapsular cataract extraction