

Supplementary Table 6. Univariate and stepwise multivariate Cox regression analyses of qualified success after surgery (n = 145)

Variable	Univariable analysis		Qualified success (20%)		Stepwise multivariate analysis	
	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value
Age at operation (yr)						
25–39 (baseline)	Reference		Reference		Reference	
40–49	0.788 (0.316–1.965)	0.610	0.694 (0.271–1.778)	0.446	0.831 (0.320–2.157)	0.703
50–59	0.421 (0.169–1.049)	0.063	0.425 (0.167–1.084)	0.073	0.507 (0.198–1.297)	0.156
60–69	0.368 (0.145–0.935)	0.036*	0.383 (0.147–1.000)	0.050	0.406 (0.156–1.055)	0.064
70–89	0.633 (0.265–1.511)	0.303	0.658 (0.269–1.608)	0.358	0.703 (0.289–1.709)	0.436
Male sex (vs. female sex)	0.541 (0.315–0.930)	0.026*	0.492 (0.273–0.886)	0.018*	0.461 (0.259–0.819)	0.008*
CCT (µm)	1.000 (0.992–1.007)	0.932	-	-	-	-
Refractive error (spherical equivalent) (D)	0.983 (0.919–1.051)	0.614	-	-	-	-
Previous glaucoma surgery [†]	2.476 (1.390–4.411)	0.002*	2.612 (1.423–4.791)	0.002*	2.791 (1.529–5.095)	<0.001*
Combined with cataract surgery (vs. trabeculectomy only) [‡]	0.919 (0.474–1.783)	0.803	-	-	-	-
Diagnosis						
Secondary glaucoma (vs. POAG)	1.240 (0.581–2.650)	0.578	1.279 (0.586–2.792)	0.537	1.259 (0.574–2.764)	0.556
CACG (vs. POAG)	0.557 (0.220–1.413)	0.218	0.478 (0.183–1.253)	0.133	0.494 (0.191–1.282)	0.147
Duration of MMC soaking (sec)	0.891 (0.565–1.405)	0.619	-	-	-	-
No. of medications used before operation	1.018 (0.748–1.386)	0.908	-	-	-	-
Maximum IOP before operation (mmHg)	1.010 (0.982–1.039)	0.479	-	-	-	-
Bleb height at 1 mon (CCT)	0.905 (0.606–1.351)	0.626	0.969 (0.615–1.527)	0.893	-	-
Bleb extent at 1 mon (Q)	0.575 (0.331–0.997)	0.049*	-	-	0.545 (0.311–0.955)	0.034*

The number of events (incidence rate) was 54 (37.2%).

HR = hazard ratio; CI = confidence interval; CCT = central corneal thickness; D = diopters; POAG = primary open-angle glaucoma; CACG = chronic angle-closure glaucoma; MMC = mitomycin C; IOP = intraocular pressure; Q = quadrant.

*Statistically significant; [†]Include trabeculectomy and glaucoma implant surgery; [‡]Operation type.