

**Supplementary Table 5.** Univariate and stepwise multivariate Cox regression analyses of complete success after surgery (n = 145)

Variable	Univariable analysis		Complete success (20%)		Stepwise multivariate analysis		p-value
	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	0.885 (0.442–1.772)	0.729	0.808 (0.397–1.643)	0.556	0.922 (0.454–1.874)	0.822	0.822
50–59	0.762 (0.394–1.473)	0.418	0.707 (0.363–1.377)	0.308	0.998 (0.505–1.969)	0.994	0.994
60–69	0.584 (0.302–1.127)	0.109	0.625 (0.318–1.227)	0.172	0.777 (0.394–1.531)	0.465	0.465
70–89	0.785 (0.412–1.498)	0.463	0.830 (0.419–1.643)	0.593	1.034 (0.520–2.056)	0.924	0.924
Male sex (vs. female sex)	1.116 (0.768–1.622)	0.564	0.994 (0.656–1.507)	0.977	0.953 (0.631–1.440)	0.819	0.819
CCT (µm)	1.000 (0.996–1.005)	0.887	-	-	-	-	-
Refractive error (spherical equivalent) (D)	0.983 (0.939–1.029)	0.469	-	-	-	-	-
Previous glaucoma surgery <sup>†</sup>	1.450 (0.926–2.271)	0.105	1.445 (0.886–2.356)	0.140	1.784 (1.086–2.931)	0.022*	0.022*
Combined with cataract surgery (vs. trabeculectomy only) <sup>‡</sup>	0.911 (0.587–1.414)	0.677	-	-	-	-	-
Diagnosis							
Secondary glaucoma (vs. POAG)	0.851 (0.485–1.495)	0.575	0.921 (0.508–1.669)	0.785	0.954 (0.524–1.736)	0.877	0.877
CACG (vs. POAG)	0.400 (0.234–0.681)	<0.001*	0.407 (0.235–0.703)	0.001*	0.398 (0.231–0.687)	<0.001*	<0.001*
Duration of MMC soaking (sec)	1.093 (0.843–1.417)	0.502	-	-	-	-	-
No. of medications used before operation	0.967 (0.787–1.187)	0.746	-	-	-	-	-
Maximum IOP before operation (mmHg)	0.997 (0.978–1.016)	0.750	-	-	-	-	-
Bleb height at 1 mon (CCT)	0.870 (0.674–1.123)	0.284	0.844 (0.643–1.108)	0.221	-	-	-
Bleb extent at 1 mon (Q)	0.543 (0.393–0.751)	<0.001*	-	-	0.530 (0.384–0.730)	<0.001*	<0.001*

The number of events (incidence rate) was 124 (85.5%).

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; <sup>†</sup>Include trabeculectomy and glaucoma implant surgery; <sup>‡</sup>Operation type.