

**SUPPLEMENTARY TABLE 1.** Univariate Cox proportional hazards regression model for factors associated with complete failure

Variables	HR (95% CI)	P value
Age, per 1 year increase	0.974 (0.951 – 0.998)	0.031
Male sex	0.832 (0.431 – 1.603)	0.58
Glaucoma type (reference: POAG/NTG/OH)		
XFG	0.463 (0.130 – 1.641)	0.23
Uveitic glaucoma	2.462 (0.896 – 6.767)	0.08
PACG	1.444 (0.458 – 4.554)	0.53
Pigmentary glaucoma	1.175 (0.310 – 4.458)	0.81
Postkeratoplasty glaucoma	1.170 (0.246 – 5.556)	0.84
Other	3.532 (1.057 – 11.805)	0.04
Interval between surgery and NR, per 1 month increase	0.998 (0.990 – 1.005)	0.54
Pre-NR IOP, per 1 mmHg increase	1.090 (1.027 – 1.158)	0.005
Post-NR IOP, per 1 mmHg increase	1.062 (1.010 – 1.116)	0.018
Operator (reference: operator #1)		
Operator #2	1.303 (0.514 – 3.304)	0.58
Operator #3	0.844 (0.405 – 1.757)	0.65
Operator #4	0.536 (0.142 – 2.032)	0.36
Operator #5	1.148 (0.265 – 4.969)	0.85
Substance (reference: 5-FU)		
Betamethasone	1.525 (0.770 – 3.019)	0.23
NR repetition	0.831 (0.441 – 1.566)	0.57
Number of NRs	0.925 (0.768 – 1.115)	0.41
Pseudophakia	0.625 (0.265 – 1.472)	0.28
Adverse events	1.371 (0.751 – 2.504)	0.30
Pre-NR laser suture lysis	1.289 (0.640 – 2.596)	0.48
Post-NR Adjustments	0.975 (0.439 – 2.165)	0.95
Pre-NR last glaucoma surgery		
Primary surgery	0.492 (0.267 – 0.908)	0.023
Combined with CEIOL	1.177 (0.524 – 2.646)	0.69

Surgeon (reference: surgeon #1)		
Surgeon #2	0.413 (0.121 – 1.403)	0.16
Other surgeons	0.354 (0.103 – 1.21)	0.10
<p>5-FU: 5 fluorouracil; CEIOL: cataract extraction and intraocular lens implantation; CI: Confidence intervals; HR: Hazard Ratio; IOP: Intraocular pressure; NR: needle revision; NTG: normal tension glaucoma; OH: ocular hypertension; PACG: primary angle-closure glaucoma; POAG: primary open-angle glaucoma; XFG: pseudoexfoliative glaucoma.</p>		