

Table S1: Sensitivity analyses for baseline predictive factors of **good response (IOP<21, no additional glaucoma surgery) and optimal response (IOP<21, on no medications and no additional glaucoma surgery)** at 36-month in laser peripheral iridotomy arm. (Lens extraction due to cataract progression and IOP<21 do not consider poor responders in this analysis, n=7)

	Laser peripheral iridotomy			
	Good response		Optimal response	
	Odds ratio (95% CI)	<i>p</i>	Odds ratio (95% CI)	<i>p</i>
Age (per 10 years older)	0.97 (0.66-1.41)	0.859	1.04 (0.68-1.61)	0.845
Female	0.74 (0.39-1.40)	0.353	1.77 (0.84-3.75)	0.135
Chinese	1.22 (0.60-2.45)	0.585	2.67 (1.29-5.54)	0.008
PAC (versus PACG)	1.16 (0.60-2.23)	0.665	3.33 (1.58-7.03)	0.002
PAS (per 30° increase)	0.95 (0.46-1.98)	0.893	1.01 (0.45-2.27)	0.986
Irido-trabecular contact (per 30°)	0.95 (0.82-1.09)	0.459	1.08 (0.91-1.28)	0.400
Axial length (per 1mm shorter)	1.16 (0.84-1.60)	0.363	0.95 (0.65-1.38)	0.769
ACD (per 0.1 mm shorter)	1.03 (0.95-1.12)	0.507	1.03 (0.93-1.14)	0.575
Spherical equivalence (+1 diopter)	1.01 (0.87-1.17)	0.928	0.89 (0.74-1.07)	0.228
No glaucoma medication	1.52 (0.75-3.09)	0.249	3.68 (1.62-8.36)	0.002
Visual field MD (per 1dB better)	1.05 (0.99-1.12)	0.134	1.08 (0.99-1.18)	0.092
Visual acuity (per 1 line worsen)	1.02 (0.91-1.16)	0.713	1.10 (0.97-1.24)	0.142
IOP (per 5mmHg lower)	1.20 (0.97-1.47)	0.091	0.91 (0.73-1.14)	0.426

* All multivariate analyses adjusted for age, gender (and Chinese).

CI, confidence interval; LPI, laser peripheral iridotomy; CLE, clear lens extraction; PACG, primary angle closure glaucoma; PAC, primary angle closure; PAS, peripheral anterior synechiae; ACD, anterior chamber depth; MD, mean deviation; IOP, intraocular pressure.