

Supplementary file 1: Clinical characteristics of included patients.

Pateint	Gender	Date of Birth	First Recorded Exam Date	Eye	First recorded IOP	Cornea Clarity	CCT	HCD	AXL	CDR	Surgeries	Final IOP	Other findings
					(mmHg)		(μ m)	(mm)	(mm)				
F1	F	Dec. 29, 2005	Jan. 4, 2006	OD	32	Central Scar	789	12	NA	0.8	TrabO *2, AGV-FP8, AGV-FP7	12	MSP, Peter's Anomaly
				OS	27	Central Scar	806	12	NA	0.7	TrabO, AGV-FP8, AGV-FP7	18	
F2	M	Sep. 8, 2014	Sep. 12, 2014	OD	15	Clear	750	10.5	19.6	0.2	-	12	-
				OS	25	Haze	640	11.5	19.49	0.4	360° TrabO	14	-
F3	F	Sep 19, 2013	Sep. 29, 2013	OD	37	Haze	580	12.5	24.28	0.6	TrabO*2, AGV-FP7	16	-
				OS	38	Haze	590	12.5	24.31	0.5	TrabO *2, AGV-FP7	13	-
F4	M	March 26, 2009	April 20, 2009	OD	25	Haze	875	11.5	20.71	0.6	TrabO, AGV-FP8, AGV-FP7	11	-
				OS	23	Haze	920	11	19.93	0.6	TrabO, AGV-FP8, AGV-FP7	11	-
F5	F	June 29, 2004	June 23, 2012	OD	30 ^l	Clear	602	12.5	NA	0.5	TrabO, TrabX	19	-
				OS	16 [*]	Clear	579	12	NA	0.4	TrabO, TrabX	10	-
F6	M	March 22, 1997	Nov. 29, 2004	OD	20	Clear	NA	12	NA	0.3	-	11	-
				OS	30	Clear	NA	12.5	NA	0.4	TrabX	13	-
F7	F	Jan. 24, 2007	Dec. 11, 2007	OD	25	Haze	600	16	25.28	0.8	LensX+Vit X, TrabX, AGV-FP8, AGV_FP7	17	Lens subluxation
				OS	15	Haze	506	14	23.38	0.7	-	14	Inferior iris coloboma
F8	F	Oct. 5, 2011	Oct. 12, 2011	OD	18	Haze	1050	12	18.2	0.5	TrabO, AGV-FP8	21	partial aniridia, Foveal hypoplasia ; Brother has nyctalopia (RP)
				OS	17	Haze	995	12	18.5	0.6	TrabO*2	31	
F9	M	April 10, 2008	April 22, 2008	OD	32	Haze	748	12.5	21.27	0.2	TrabO *2, AGV-FP8, AGV-FP7, FTI	18	MSP, Subluxed, Partial aniridia
				OS	31	Haze	805	12.5	22.3	0.3	TrabO *2, AGV-FP8*2, PK, LensX+Vit X	Phthisis bulbs	
F10	M	Feb. 26,	March 2, 2014	OD	16	Haze	730	11	18.13	NV	-	14	-
				OS	30	Haze	750	11.5	20.02	NV	TrabO	16	-

		2014											
F11	F	April 8, 2010	Dec. 10, 2011	OD	17	Clear	611	11.5	21.5	0.1	-	16	-
				OS	25	Clear	610	12.5	23.5	0.5	Goniotomy	20	-
F12	F	Oct. 16, 2008	Oct. 21, 2008	OD	30	Haze	730	11	20.32	0.3	TrabO*2, AGV-FP8, AGV-FP7	15	-
				OS	26	Haze	700	11.5	19.63	0.2	TrabO*2; AGV-FP8	16	-
F13	M	Dec. 15, 2009	Jan. 4, 2012	OD	26	Haze	590	14.5	26.4	0.9	Goniotomy, AGV-FP7	8	-
				OS	16	Clear	600	12	22.35	0.2	-	14	-
F14	M	June 16, 2007	June 10, 2013	OD	31	Clear	628	11.5	NA	0.6	-	10	No consent for surgery; Medical Treatment
				OS	15	Clear	648	11.5	NA	0.5	-	14	
F15	F	March 4, 2015	March 16, 2015	OD	30	Clear	615	10.7	18.77	0.3	-	9	-
				OS	45	Haze	645	12	19.99	0.5	TrabO *2, AGV-FP7	12	-
F16	M	Jan. 25, 2015	Feb. 1, 2015	OD	37	Haze	715	11.5	20.38	NV	TrabO *2, AGV-FP7	35 ²	Partial aniridia
				OS	46	Haze	730	11.5	20.41	0.5	TrabO *2, AGV-FP7	32 ³	-
F17	F	Oct. 24, 2013	Oct. 27, 2013	OD	50	Haze	700	13	20	0.4	TrabO, AGV-FP7	14	-
				OS	52	Haze	950	13	20.5	NV	TrabO*3, AGV-FP8	13	-

OD: Oculum Dextrum (right eye); OS: Oculum Sinisterum (left eye); IOP: Intraocular Pressure; CCT: Central Corneal Thickness; HCD: Horizontal Corneal Diameter; AXL: Axial Length; CDR: Cup-to-Disc Ratio; TrabO: Trabeculotomy; TrabX: Trabeculectomy; AGV: Ahmed Glaucoma Valve (New World Medical, Rancho Cucamonga, CA, USA); NA: Not Available

¹The patient was on full antiglaucoma medications at her first referral (Including timolol, dorzolamide, brimonidine, latanoprost and oral acetazolamide) in both eyes.

²Scheduled for reoperation

³Scheduled for reoperation