

Supplemental Table 1

	# Eyes of # Patients	Gender (F:M)	Age at Surgery (Years)	Follow-up (Years)
Arabic	3 Eyes of 2 Patients	2:0	11.4 ± 8.1	4.4 ± 0.7
Asian	5 Eyes of 4 Patients	1:3	3.2 ± 2,4	4.1 ± 1.3
Black	20 Eyes of 15 Patients	7:8	5.3 ± 5.8	5.6 ± 2.2
Caucasian	73 Eyes of 52 Patients	30:22	9.2 ± 6.1	4.4 ± 2.4
Hispanic	5 Eyes of 3 Patients	1:2	6.4 ± 3.7	4.3 ± 1.2

Supplemental Table 2

	1st Baerveldt Surgery Per Patient	All Baerveldt Implantation Surgeries		Anterior Chamber or Sulcus Placement	Pars Plana Placement
Success Rate (Years of Final Follow-Up)	64% (4.8 ± 2.3 years)	64% (4.8 ± 2.2 years)		67% (4.2 ± 2.3 years)	58% (4.1 ± 2.6 years)
1-Year Survival (Eyes at Risk)	84% with 95% CI [74, 90] (63 Eyes)	82% with 95% CI [73, 88] (89 Eyes)		81% with 95% CI [70, 88] (63 Eyes)	87% with 95% CI [70, 95] (23 Eyes)
2-Year Survival (Eyes at Risk)	77% with 95% CI [65, 85] (49 Eyes)	76% with 95% CI [67, 83] (69 Eyes)		77% with 95% CI [65, 85] (50 Eyes)	71% with 95% CI [53, 83] (19 Eyes)
3-Year Survival (Eyes at Risk)	71% with 95% CI [59, 80] (37 Eyes)	70% with 95% CI [60, 78] (52 Eyes)		72% with 95% CI [59, 81] (36 Eyes)	64% with 95% CI [45, 78] (16 Eyes)
4-Year Survival (Eyes at Risk)	67% with 95% CI [54, 77] (29 Eyes)	68% with 95% CI [58, 76] (40 Eyes)		72% with 95% CI [59, 81] (26 Eyes)	57% with 95% CI [38, 72] (13 Eyes)
5-Year Survival (Eyes at Risk)	60% with 95% CI [46, 72] (20 Eyes)	61% with 95% CI [49, 70] (29 Eyes)		65% with 95% CI [50, 76] (18 Eyes)	44% with 95% CI [35, 61] (10 Eyes)
6-Year Survival (Eyes at Risk)	55% with 95% CI [39, 68] (13 Eyes)	58% with 95% CI [46, 69] (20 Eyes)		65% with 95% CI [50, 76] (14 Eyes)	37% with 95% CI [17, 56] (6 Eyes)
7-Year Survival (Eyes at Risk)	48% with 95% CI [29, 64] (7 Eyes)	49% with 95% CI [33, 63] (9 Eyes)		50% with 95% CI [27, 70] (6 Eyes)	37% with 95% CI [17, 56] (4 Eyes)
8-Year Survival (Eyes at Risk)	32% with 95% CI [8, 59] (3 Eyes)	37% with 95% CI [15, 59] (4 Eyes)		17% with 95% CI [2, 49] (2 Eyes)	37% with 95% CI [17, 56] (2 Eyes)

Supplemental Table 3

Type of Glaucoma	N (%) (n=76)	5-Year Cumulative Probability of Failure (%) ^a	HR 95% CI	N (%) (n=110)	5-Year Cumulative Probability of Failure (%) ^b	HR; 95% CI	5-Year Cumulative Probability of Complication (%) ^c	HR; 95% CI
PCG vs. JOAG vs. Non-Acquired Ocular vs. Non-Acquired Systemic vs. Acquired vs. GFCS	17 (22%)	37%	0.46; 0.10-2.17 1.16; 0.47-2.84 0.33; 0.08-1.38 0.43; 0.14-1.33 0.40; 0.13-1.19	27 (25%)	43%	0.27; 0.08-0.96 0.82; 0.38-1.74 0.42; 0.14-1.29 0.35; 0.20-1.39 0.52; 0.21-1.25	6%	0.24; 0.00-16.81 2.89; 0.49-17.09 2.66; 0.12-59.57 0.19; 0.00-9.99 4.47; 0.77-25.86
JOAG vs. Non-Acquired Ocular vs. Non-Acquired Systemic vs. Acquired vs. GFCS	4 (5%)	0%	2.57; 0.60-11.13 0.82; 0.05-13.27 0.95; 0.10-9.43 1.29; 0.17-9.93	7 (6%)	0%	3.01; 0.79-11.50 1.40; 0.14-13.99 1.68; 0.25-11.47 2.08; 0.38-11.31	0%	3.40; 0.24-48.90 6.52; 0.13-331.5 ----- 4.02; 0.45-35.84
Non-Acquired Ocular Disease vs. Non-Acquired Systemic vs. Acquired vs. GFCS	21 (29%)	64%	0.38; 0.09-1.58 0.42; 0.14-1.26 0.53; 0.18-1.52	35 (32%)	45%	0.61; 0.17-2.17 0.70; 0.25-2.00 0.80; 0.31-2.03	18%	0.96; 0.11-8.31 0.25; 0.03-2.26 1.71; 0.41-7.20
Non-Acquired Systemic Disease vs. Acquired vs. GFCS	7 (9%)	14%	1.12; 0.12-10.48 1.83; 0.28-12.11	9 (9%)	20%	1.15; 0.22-6.07 1.46; 0.33-6.40	11%	0.08; 0.00-4.49 1.91; 0.29-12.45
Acquired vs. GFCS	12 (14%)	35%	1.27; 0.29-5.60	13 (11%)	40%	1.07; 0.30-3.76	0%	4.95; 0.65-37.60
GFCS	15 (20%)	35%		19 (17%)	42%		27%	

^a Comparison of probability of failure for all types of glaucoma for 1st Baerveldt surgery, p=0.41

^b Comparison of probability of failure for all types of glaucoma for all Baerveldt surgeries, p=0.89

^c Comparison of probability of complication for all types of glaucoma for all Baerveldt surgeries, p=0.37

Supplemental Table 4

Final Visual Acuity	
20/20 to 20/40	26 Eyes of 20 Patients
20/50 to 20/150	31 Eyes of 26 Patients
20/200 or Worse	24 Eyes of 21 Patients
Fix and Follow	5 Eyes of 4 Patients
Count Fingers	3 Eyes of 3 Patients
Hand Motions	4 Eyes of 3 Patients
Light Perception	9 Eyes of 9 Patients
No Light Perception	4 Eyes of 4 Patients