

Supplemental Table 2. Univariable Survival Analysis of Laser Trabeculoplasty Outcomes.

Parameters		Hazard Ratio	95% Hazard Ratio Confidence Limits		P value	Comments
Age	18-39	1.48	1.33	1.65	<.0001*	Age: per patient eye, 5 levels: 18-39, 40-64, 65-79 (reference), 80+
	40-64	1.08	1.05	1.12	<.0001*	
	80+	1.26	1.22	1.30	<.0001*	
	Unknown	1.23	1.02	1.48	0.031*	
Gender	Female	0.93	0.91	0.96	<.0001*	Gender: per patient, 3 levels: male (reference), Female, Unspecified
	Unspecified	1.26	1.01	1.56	0.040*	
Region	Midwest	0.92	0.89	0.95	<.0001*	Region: per patient eye, provider region, 5 levels: Midwest, Northeast, West, South (reference), Unknown
	Northeast	0.96	0.92	1.00	0.032*	
	West	0.88	0.85	0.92	<.0001*	
	Unknown	0.85	0.78	0.94	0.0008*	
Race	Asian	1.17	1.05	1.30	0.0044*	Race: per patient, 6 levels: White (reference), Asian, Black, Hispanic, Multi-Race/Other, Unknown
	Black	1.14	1.09	1.19	<.0001*	
	Hispanic	1.04	0.98	1.12	0.21	
	Multi-Race/Other	1.05	1.00	1.10	0.079	
Insurance type	Unknown	1.67	1.59	1.76	<.0001*	Insurance: per patient, 8 levels: Dual Medicare/Medicaid, Medicaid, Medicare Advantage, Medicare Fee for Service, Military, Other Government, Unknown, Private (reference)
	Dual Medicare and Medicaid	0.75	0.71	0.79	<.0001*	
	Medicaid	1.10	1.01	1.21	0.037*	
	Medicare Adv	0.87	0.83	0.92	<.0001*	
	Medicare FFS	0.81	0.78	0.84	<.0001*	
	Military	1.29	1.11	1.50	0.0011*	
Other Government	Other Government	1.46	1.07	1.99	0.018*	
	Unknown	1.24	1.18	1.31	<.0001*	
Number of glaucoma medications		0.98	0.97	0.99	<.0001*	
Mean baseline IOP		1.00	1.00	1.01	0.0019*	
Mean baseline VA		1.24	1.18	1.29	<.0001*	
Provider status	Group 2	1.01	0.97	1.04	0.7737	Provider Status: per patient eye, 3 levels: Group 1 (glaucoma surgeon) (reference), Group 2 (other anterior segment surgeon), or Group 3 (unknown)
	Group 3	1.26	1.22	1.31	<.0001*	
	No provider information	0.83	0.74	0.94	0.0021*	

Prior glaucoma procedures	yes	1.24	1.12	1.38	<.0001*	
Prior lens surgery	yes	1.50	1.43	1.59	<.0001*	
Prior intravitreal injections	yes	1.19	1.09	1.30	0.0002*	
Diabetes	yes	1.15	1.11	1.19	<.0001*	
Hypertension	yes	1.05	0.97	1.15	0.2281	
Angle recession	yes	1.69	1.05	2.73	0.0299*	
Uveitis	yes	1.80	1.55	2.09	<.0001*	
Provider LTP count in preceding year	50-99	1.27	1.23	1.31	<.0001*	Number of LTP performed by provider in the year preceding treatment date, per patient eye, 4 levels: <50 (reference), 50-99, 100-499, 500+
	100-499	1.28	1.19	1.39	<.0001*	
	500+	1.17	1.12	1.21	<.0001*	
Glaucoma type	Inflammation/Drugs	1.39	1.13	1.73	0.0023*	Glaucoma Type: per patient eye, 6 levels: Suspect (reference), POAG, Trauma, Inflammation, Other, Unspecified
	POAG	1.30	1.26	1.35	<.0001*	
	Trauma/Other Eye Disorders	1.22	1.01	1.46	0.0353*	
	Other Glaucoma	1.04	0.76	1.42	0.8215	
	Unspecified Glaucoma	0.56	0.53	0.60	<.0001*	
Glaucoma severity	Moderate	0.90	0.86	0.94	<.0001*	Glaucoma Severity: per patient eye, stage closest to LTP date, 6 levels: Mild (reference), Moderate, Severe, Indeterminate, Unspecified/Missing
	Severe	0.86	0.82	0.90	<.0001*	
	Indeterminate	1.10	1.01	1.20	0.0235*	
	Missing/Unspecified	0.30	0.29	0.32	<.0001*	
Lens status	Aphakia	0.84	0.65	1.08	0.1677	Lens Status: 4 levels: Cataract (reference), Pseudophakia, Aphakia, Unknown
	Pseudophakia	0.81	0.76	0.86	<.0001*	
	Unknown	0.46	0.45	0.47	<.0001*	
LTP treatment group	Double	1.04	0.95	1.14	0.4354	LTP treatment in one session (reference) or in two or more session (“double”)

*Statistically significant; Adv (Advantage); FFS (Fee for Service); IOP (intraocular pressure); LTP (laser trabeculoplasty); POAG (primary open angle glaucoma); VA (visual acuity). All P values from univariable Cox proportional hazards regression.