

**Supplemental Table 2.** Multivariable logistic regression of nailfold capillary blood speed, diameter, and flow in relation to primary open-angle glaucoma (POAG) patients not using topical beta-blocker medication (n=26) or using topical beta-blocker medication (n=36) vs. controls (n=57)

Exposure (covariates indented)	POAG not using topical beta-blockers vs. Controls		POAG using topical beta-blocker in at least one eye vs. Controls	
	Odds ratio (95% confidence interval)	P value	Odds ratio (95% confidence interval)	P value
<b>Mean speed in microns per second</b>	<b>0.994 (0.990, 0.997)</b>	<b>0.0013</b>	<b>0.993 (0.990, 0.996)</b>	<b>&lt;0.0001</b>
Body mass index in kg/m <sup>2</sup>	0.99 (0.83, 1.17)	0.95	0.97 (0.84, 1.11)	0.68
Mean arterial pressure in mmHg	0.99 (0.93, 1.06)	0.75	0.98 (0.93, 1.03)	0.45
Pulse in beats per minute	1.10 (1.02, 1.19)	0.015	1.03 (0.98, 1.08)	0.33
Female sex	0.59 (0.091, 3.49)	0.56	0.59 (0.17, 1.92)	0.39
Age in years	1.00 (0.93, 1.08)	0.98	1.00 (0.94, 1.08)	0.97
Caucasian race	2.91 (0.32, 30.7)	0.34	3.60 (0.69, 22.8)	0.14
Connective tissue disease	0.49 (0.069, 2.77)	0.44	0.81 (0.20, 3.20)	0.76
Diabetes mellitus	0.074 (0.0017, 1.55)	0.12	0.17 (0.013, 1.31)	0.12
Use of blood thinning medication	0.72 (0.11, 4.95)	0.73	0.68 (0.18, 2.44)	0.55
Use of blood pressure medication	0.20 (0.020, 1.45)	0.13	1.22 (0.30, 5.33)	0.78
Ever smoker (vs. never)	2.03 (0.51, 8.66)	0.32	1.08 (0.30, 3.87)	0.90
<b>Mean diameter in microns</b>	<b>0.67 (0.42, 1.01)</b>	<b>0.065</b>	<b>0.74 (0.51, 1.06)</b>	<b>0.11</b>
Body mass index in kg/m <sup>2</sup>	0.90 (0.77, 1.03)	0.15	0.91 (0.81, 1.02)	0.12
Mean arterial pressure in mmHg	1.00 (0.95, 1.06)	0.95	1.01 (0.97, 1.05)	0.67
Pulse in beats per minute	1.08 (1.02, 1.15)	0.018	1.01 (0.97, 1.06)	0.62
Female sex	0.61 (0.12, 3.08)	0.54	0.73 (0.26, 2.04)	0.55
Age in years	0.98 (0.92, 1.05)	0.58	0.98 (0.93, 1.05)	0.59
Caucasian race	4.20 (0.52, 37.8)	0.17	3.59 (0.80, 18.9)	0.11
Connective tissue disease	0.31 (0.047, 1.59)	0.18	1.11 (0.33, 3.66)	0.86
Diabetes mellitus	0.13 (0.0033, 2.01)	0.19	0.24 (0.025, 1.44)	0.15
Use of blood thinning medication	0.63 (0.11, 3.52)	0.60	0.78 (0.24, 2.46)	0.68
Use of blood pressure medication	0.44 (0.064, 2.69)	0.38	1.55 (0.45, 5.50)	0.49
Ever smoker (vs. never)	3.14 (0.90, 12.4)	0.084	1.39 (0.45, 4.30)	0.56
<b>Mean flow in picoliters per second</b>	<b>0.94 (0.90, 0.97)</b>	<b>0.0017</b>	<b>0.93 (0.90, 0.96)</b>	<b>&lt;0.0001</b>
Body mass index in kg/m <sup>2</sup>	0.96 (0.81, 1.13)	0.67	0.96 (0.83, 1.09)	0.53
Mean arterial pressure in mmHg	0.99 (0.93, 1.06)	0.82	0.98 (0.93, 1.03)	0.41
Pulse in beats per minute	1.10 (1.03, 1.20)	0.0095	1.03 (0.98, 1.09)	0.23
Female sex	0.31 (0.042, 1.87)	0.21	0.54 (0.15, 1.80)	0.33
Age in years	0.98 (0.91, 1.06)	0.62	0.99 (0.93, 1.06)	0.73
Caucasian race	3.54 (0.37, 40.0)	0.28	4.58 (0.84, 31.6)	0.093
Connective tissue disease	0.41 (0.055, 2.39)	0.35	0.87 (0.21, 3.50)	0.84
Diabetes mellitus	0.047 (0.00091, 1.13)	0.084	0.11 (0.0069, 1.02)	0.078
Use of blood thinning medication	0.43 (0.061, 2.86)	0.38	0.65 (0.17, 2.41)	0.52
Use of blood pressure medication	0.35 (0.039, 2.63)	0.32	1.67 (0.40, 7.55)	0.48
Ever smoker (vs. never)	2.82 (0.70, 12.9)	0.16	1.50 (0.40, 5.72)	0.55