

	Model 1 OR (95%CI); p	Model 2 OR (95%CI); p	Model 3 OR (95%CI); p
<b>Demographic data</b>			
Age	<b>1.04 (1.02;1.07); 0.001</b>	<b>1.05 (1.02;1.07); &lt;0.001</b>	<b>1.05 (1.03;1.08); &lt;0.001</b>
<b>Comorbidities</b>			
Diabetes	1.08 (0.45;2.55); 0.865		
Hypertension	1.28 (0.50;3.26); 0.603		
Dyslipidemia	1.58 (0.84;2.94); 0.153		
Previous stroke	<b>9.05 (2.48;32.95); 0.001</b>	<b>10.02 (2.76;36.41); &lt;0.001</b>	<b>9.70 (2.69;34.92); 0.001</b>
Atrial fibrillation	<b>2.96 (1.04;8.41); 0.042</b>	<b>3.37 (1.28;8.87); 0.014</b>	<b>3.53 (1.36;9.17); 0.010</b>
Respiratory disease	2.10 (0.72;6.11); 0.174	2.13 (0.76;5.95); 0.148	
<b>Pharmacological data</b>			
Beta-blockers	1.50 (0.70;3.19); 0.294		
Alpha blockers	1.40 (0.49;4.00); 0.533		
ACE-inhibitors	<b>3.28 (1.40;7.68); 0.006</b>	<b>4.50 (2.33;8.69); &lt;0.001</b>	<b>4.34 (2.27;8.32); &lt;0.001</b>
Sartans	1.67 (0.63;4.46); 0.304	<b>2.21 (1.01;4.80); 0.046</b>	<i>2.11 (0.98;4.53); 0.056</i>
CCBs	1.99 (0.88;4.53); 0.100	<b>2.22 (1.06;4.67); 0.034</b>	<b>2.23 (1.06;4.65); 0.033</b>
<b>Pupillometry parameters</b>			
Overall mean NPi	0.23 (0.01;5.15); 0.355	0.28 (0.01;5.92); 0.416	0.37 (0.10;1.28); 0.116
BPD absolute diff.	<i>3.10 (0.83;11.49); 0.091</i>	2.52 (0.73;8.68); 0.143	2.39 (0.73;7.88); 0.151
Overall mean MIN	0.68 (0.07;6.42); 0.740	0.79 (0.88;7.15); 0.854	
Overall mean CH	<b>1.21 (1.09;1.34); &lt;0.001</b>	<b>1.21 (1.10;1.34); &lt;0.001</b>	<b>1.21 (1.11;1.33); &lt;0.001</b>
CH absolute diff.	<i>1.13 (1.00;1.27); 0.051</i>	<b>1.13 (1.01;1.26); 0.039</b>	<b>1.13 (1.01;1.26); 0.036</b>
Overall mean CV	<b>0.30 (0.12;0.75); 0.010</b>	<b>0.27 (0.11;0.66); 0.004</b>	<b>0.26 (0.11;0.61); 0.002</b>
CV absolute diff.	<i>3.90 (0.94;16.14); 0.060</i>	<b>4.17 (1.39;12.53); 0.011</b>	<b>4.75 (1.64;13.73); 0.004</b>
MCV absolute diff.	0.90 (0.29;2.78); 0.856		

**Table S3** All the three multivariate Logistic Regression Models tested. Abbreviations: M: Males; F: Females; CCBs: Calcium Channel Blockers; NPi: Neurological Pupil index; BPD, Baseline Pupil Diameter; MIN: minimum; CH: Percentage of Constriction; CV: average Constriction Velocity; MCV, Maximum Constriction Velocity; OR: Odd Ratio; CI: Confidence Interval.