

	Abbreviations	UoM	Definition	ANS branch
Baseline Pupil Diameter	BPD	mm	Maximum pupillary diameter at baseline, before the light stimulus	Both
Minimum Pupil Diameter	MIN	mm	Pupillary diameter at peak constriction	Parasympathetic
Reflex Latency	LAT	s	Time delay between the light stimulus and the onset of pupillary constriction	Parasympathetic
Average Constriction Velocity	CV	mm/s	Average velocity of the pupil constriction	Parasympathetic
Maximum Constriction Velocity	MCV	mm/s	Maximum velocity of the pupil constriction	Parasympathetic
%Change – Percentage of Constriction	CH	%	Obtained by applying the sequent formula: (Size -MIN)/Size*100	Parasympathetic
Dilation Velocity	DV	mm/s	Average velocity of the pupil dilation	Both, mostly sympathetic
Neurological Pupil Index	NPi	N/A	A composite measure obtained by the combination of all the aforementioned parameters	Both

Table S1 A descriptive table reassuming the parameters collected by NPi-200® (NeuroOptics, Irvine, CA, USA). Abbreviations: UoM, Unit of Measurement; ANS, Autonomic Nervous System