

Supplementary Table S1. Computer vision syndrome questionnaire scores frequency

	Scores		
	0	1	2
Burning	50 ( 53.8% )	43 ( 46.2% )	0 ( 0% )
Itching	25 ( 26.9% )	66 ( 71% )	1 ( 1.1% )
Feeling of a foreign body	39 ( 41.9% )	53 ( 57% )	1 ( 1.1% )
Tearing	35 ( 37.6% )	55 ( 59.1% )	3 ( 3.2% )
Excessive blinking	50 ( 53.8% )	36 ( 38.7% )	7 ( 7.5% )
Eye redness	45 ( 48.4% )	45 ( 48.4% )	3 ( 3.2% )
Eye pain	49 ( 52.7% )	43 ( 46.2% )	1 ( 1.1% )
Heavy eyelids	70 ( 75.3% )	21 ( 22.6% )	2 ( 2.2% )
Dryness	9 ( 9.7% )	67 ( 72% )	17 (18.3% )
Blurred vision	36 ( 38.7% )	48 ( 51.6% )	9 ( 9.7% )
Double vision	54 ( 58.1% )	36 ( 38.7% )	3 ( 3.2% )
Difficulty focusing for near vision	72 ( 77.4% )	18 ( 19.4% )	3 ( 3.2% )
Increased sensitivity to light	40 ( 43% )	47 ( 50.5% )	6 ( 6.5% )
Colored halos	68 ( 73.1% )	25 ( 26.9% )	0 ( 0% )
Feeling of sight worsening	23 ( 24.7% )	64 ( 68.8% )	6 ( 6.5% )
Headache	52 ( 55.9% )	39 ( 41.9% )	2 ( 2.2% )

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Supplementary Table S2. Accommodation examination of all participants

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	Median (InterQuartile Range, IQR)	(Q1, Q3)
Accommodation amplitude (D)	10.0(2.0)	(8.0, 10.0)
Accommodative response (D)	0 (0.5)	(-0.25, 0.25)
Negative relative accommodation (D)	1.75(1.25)	(1.00, 2.25)
Positive relative accommodation (D)	-2.00(1.38)	(-2.50, -1.13)
Accommodative facility (cmp)	10(5)	(8, 13)

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Supplementary Table S3. Eye movement parameters in first reading process

	Median (InterQuartile Range, IQR)	Q1, Q3
Time to first fixation (s)	0(0)	(0,0)
Fixations Before	0(0)	(0,0)
First Fixation Duration (s)	0.27(0.21)	(0.10, 0.30)
Fixation Duration Mean(s)	0.29(0.08)	(0.25, 0.34)
Total Fixation Duration(s)	32.72(19.77)	(24.89, 45.93)
Fixation count	116(42)	(94.00, 139.50)
Visit Duration Mean(s)	13.97(12.68)	(8.88, 21.86)
Total visit duration(s)	34.12(19.55)	(27.12, 47.32)
Total visit count	2(2)	(2,4)
Reading speed (s <sup>-1</sup> )	0.13(0.075)	(0.10, 0.18)
Regressive saccade (per line)	1(1.43)	(0.57, 2.00)
Unknown saccade (per line)	0.43(0.86)	(0.14, 1.00)