

Table E1: A comparison of peripapillary RNFL thickness (pRNFLT), macular GCIPL and GCC thicknesses and peripapillary and macular vessel density (pVD and mVD) between eyes with nasal hemianopia (ipsilateral to the brain lesion or “non-crossing fiber defect eye”), and those with temporal hemianopia (contralateral to the brain lesion, or “crossing fiber defect eye”) between patients and controls.

	Eyes with Nasal Hemianopia				Eyes with Temporal Hemianopia			
	Patients	RE (controls)	Difference (%)	P	Patients	LE (controls)	Difference (%)	p
Peripapillary RNFL thickness by CIRRUS OCT								
Average	80.6 ± 14.9	96.8 ± 8.0	16.7	0.001	84.6 ± 14.6	93.25 ± 5.7	9.3	0.039
Superior	95.6 ± 22.7	117.4 ± 11.8	18.6	0.002	99.9 ± 22.6	118.2 ± 20.4	15.5	0.008
Nasal	71.1 ± 13.2	76.7 ± 7.6	7.3	0.146	67.2 ± 12.6	72.4 ± 6.9	7.2	0.163
Inferior	99.7 ± 29.9	125.9 ± 14	20.8	0.005	113.6 ± 23.4	118.7 ± 9.5	4.3	0.432
Temporal	56.1 ± 10.3	67.2 ± 8.3	16.5	0.002	57.7 ± 13.1	64.1 ± 8.1	10	0.110
Peripapillary RNFL thickness by OPTOVUE OCT								
Average	90.2 ± 15.8	103.3 ± 8.3	12.6	0.007	87.8 ± 16.2	101.6 ± 7.3	13.6	0.005
Superior	103 ± 25.8	134 ± 16.5	23.1	0.000	112.8 ± 24.2	134.1 ± 14.5	15.8	0.005
Nasal	90.9 ± 11.3	103.4 ± 12.9	12	0.005	76.7 ± 20.4	99.4 ± 10.2	22.8	0.001
Inferior	113.9 ± 34.3	145.3 ± 14.8	23.6	0.003	129.8 ± 27.7	141.2 ± 11.	8	0.138
Temporal	66.1 ± 11	75.4 ± 7,4	14	0.007	61.8 ± 14.1	74.1 ± 9.1	16.6	0.004
Peripapillary Vessel Density by ANGIOVIU OCT								
Average	47.5± 4.3	51.5 ± 2.7	4	0.000	46.4 ± 5	51.2± 1.8	4.8	0.002
Superior	44.2 ± 6.6	51.4 ± 4	7.2	0.000	46.8±5.7	47.2±3.7	0.4	0.829
Nasal	47.1 ±7.6	49.3 ±3.6	2.2	0.285	46.1±8.1	54.9±2.9	8	0.001
Inferior	50.5 ±5.1	51.6 ±3.5	1.1	0.479	47.8±6.7	52.1±2.9	4.3	0.029
Temporal	46.4 ± 4.7	53.7 ± 2.5	7.3	0.000	47.3±8.3	48.7±2.8	1.4	0.525
GCIPL thickness by CIRRUS								
Average	76.4 ± 8.7	82.2 ±3.2	7.1	0.022	76.0 ± 9.9	81.9 ± 3.1	7.2	0.035
Superior	78.2 ± 9.1	82.0 ± 2.2	4.6	0.122	76.6 ± 11.2	82.5 ± 3.5	7.2	0.058
Nasal superior	83.1 ± 6.7	84.3 ± 3.8	1.43	0.543	69.9 ± 15.4	83.3 ± 4,1	16.1	0.004
Nasal inferior	81.4 ± 6.5	83.1 ± 4.2	2.0	0.407	67.5 ± 16.2	83.0 ± 2.9	18.7	0.002
Inferior	73.9 ± 9.7	81.3 ± 5.1	9.11	0.012	77.4 ± 11.6	80.4 ± 3.7	3.7	0.328
Temporal inferior	70.3 ± 13.9	81.9 ± 5.1	14.17	0.005	83.6 ± 6.2	81 ± 3.7	3.1	0.165
Temporal superior	71.3 ± 13.8	80.1 ± 3.6	10.99	0.025	81.4 ± 5.9	80.7 ± 3.8	0.9	0.696
GCC thickness by ANGIOVIU								
Average	88.1 ± 12.7	96.3 ± 4.3	8.5	0.024	93.5 ± 9.3	96.2 ± 4.1	2.8	0.295
Center	38.8 ± 8.8	44.3 ± 7.7	12.4	0.066	38.3 ± 8.4	44.1 ± 7.9	13.2	0.047
INNER + OUTER RINGS								
Superior	194.9 ± 28.5	210.9 ± 10.5	7.6	0.047	189.9 ± 47	210.1 ± 9.2	9.6	0.111
Nasal	222.2 ± 19.3	227.3 ± 12.6	2.2	0.383	194.1 ± 39.4	227.1 ± 10.3	14.5	0.005
Inferior	188.6 ± 30.2	213.7 ± 12.7	11.7	0.006	198.8 ± 26.3	213.3 ± 9.6	6.8	0.052
Temporal	162.0 ± 33.5	187.2 ± 9.1	13.5	0.010	190.1 ± 13.3	186.9 ± 8.8	1.7	0.413
Macular Vessel density								
Average	48.1 ± 3.4	50.4 ± 3.29	4.6	0.048	48.0 ± 3.4	51.2 ± 3.6	6.3	0.013
FOVEA	19.6 ± 7.4	20.4 ± 7.1	3.9	0.742	18.4 ± 5.8	20.4 ± 6.1	9.8	0.327
INNER + OUTER RINGS								
Superior	100.8 ± 6.9	103.3 ± 8.4	2.4	0.363	95.9 ± 19.5	105 ± 7.9	8.7	0.08
Nasal	106.3 ± 5.3	107.2 ± 7.7	0.8	0.721	100.3 ± 8.3	107.8 ± 7.6	7	0.01

<i>Inferior</i>	99.0 ± 8.5	105.2 ± 7.8	5.9	0.034	100 ± 8.6	105.6 ± 9.5	5.3	0.084
<i>Temporal</i>	96.5 ± 6.7	99.5 ± 8.1	3	0.249	97.7 ± 7.1	100.7 ± 6.7	3	0.218

RE: right eye; LE: left eye