

Supplementary Materials

Table S1. Comparison between CON and NTG for eyes with clock-hour involvement of 0–3 h

Diagnosis	CON	NTG	<i>P</i>
Number of eyes	26	54	
Age (years)	53.2 ± 12.5	54.0 ± 8.2	0.783
Gender (male/female)	16/10	25/29	0.268
SE (D)	-1.65 ± 2.82	-2.23 ± 2.03	0.559
IOP at examination (mmHg)	15.3 ± 2.4	17.0 ± 7.4	0.081
MD (dB)	-2.14 ± 1.72	-6.17 ± 4.62	<0.001
PSD (dB)	3.79 ± 2.32	10.50 ± 5.04	<0.001
OCT			
Average peripapillary RNFL thickness (um)	84.2 ± 7.2	76.1 ± 8.0	<0.001
Superior	106.3 ± 10.1	101.3 ± 17.7	0.133
Temporal	56.6 ± 10.2	63.6 ± 10.1	0.037
Inferior	111.7 ± 13.8	74.8 ± 15.1	<0.001
Nasal	62.4 ± 9.5	64.7 ± 9.4	0.386
Average GCIPL thickness	70.0 ± 4.5	46.6 ± 2.4	0.229
Minimum GCIPL thickness	60.9 ± 5.9	51.9 ± 5.1	<0.001
Sectoral GCIPL thicknesses			
Superior	68.7 ± 5.7	77.1 ± 8.5	0.001
Superotemporal	78.8 ± 7.2	73.8 ± 7.2	0.016
Inferotemporal	82.6 ± 5.8	55.7 ± 7.3	<0.001
Inferior	69.5 ± 5.4	56.6 ± 6.1	0.001
Inferonasal	59.3 ± 7.7	68.1 ± 7.6	0.001
Superonasal	62.0 ± 8.8	80.5 ± 7.6	<0.001
OCTA			
Average peripapillary VD (%)	52.4 ± 4.2	55.4 ± 3.7	0.004
Superior	60.4 ± 7.2	63.0 ± 6.7	0.126
Temporal	38.0 ± 5.8	52.0 ± 7.7	<0.001
Inferior	67.0 ± 8.1	52.7 ± 9.7	<0.001
Nasal	44.3 ± 6.8	53.9 ± 5.8	<0.001
Average macular VD	46.6 ± 2.4	47.5 ± 3.0	0.292
Superior	47.6 ± 2.6	49.4 ± 5.2	0.400
Temporal	46.8 ± 2.6	46.5 ± 3.5	0.722
Inferior	47.3 ± 3.2	46.2 ± 4.7	0.264
Nasal	44.7 ± 3.5	47.7 ± 6.7	0.511

N/A, not applicable; SE, spherical equivalent; IOP, intraocular pressure; MD, mean deviation; PSD, pattern standard deviation; OCT, optical coherence tomography; GCIPL, ganglion cell inner plexiform layer; RNFL, retinal nerve fiber layer; OCTA, optical coherence tomography angiography; VD, vessel density.

P value was calculated using generalized estimation equation (GEE).

Table S2. Comparison between CON and NTG for eyes with clock-hour involvement of 4–6 h

Diagnosis	CON	NTG	<i>P</i>
Number of eyes	12	16	
Age (years)	46.8 ± 12.3	50.4 ± 8.9	0.582
Gender (male/female)	11/14	7/9	0.989
SE (D)	-1.00 ± 1.27	-3.18 ± 2.84	0.124
IOP at examination (mmHg)	17.0 ± 7.4	13.7 ± 3.3	0.094
MD (dB)	-6.82 ± 6.76	-8.85 ± 5.00	0.136
PSD (dB)	-7.93 ± 6.96	-11.97 ± 5.02	0.005
OCT			
Average peripapillary RNFL thickness (um)	73.8 ± 4.6	67.3 ± 5.8	0.036
Superior	94.3 ± 16.1	83.9 ± 10.5	0.067
Temporal	47.3 ± 8.6	57.2 ± 8.2	0.030
Inferior	95.9 ± 12.2	64.7 ± 10.0	<0.001
Nasal	57.8 ± 6.7	63.5 ± 8.1	0.024
Average GCIPL thickness	64.7 ± 4.9	66.1 ± 4.9	0.371
Minimum GCIPL thickness	52.1 ± 8.2	50.4 ± 3.9	0.495
Sectoral GCIPL thicknesses			
Superior	63.3 ± 5.3	75.1 ± 9.8	0.011
Superotemporal	76.5 ± 7.8	71.1 ± 6.9	0.121
Inferotemporal	78.5 ± 8.8	53.9 ± 5.0	<0.001
Inferior	66.2 ± 5.9	54.0 ± 5.4	0.005
Inferonasal	53.4 ± 7.2	64.3 ± 7.5	0.001
Superonasal	54.5 ± 7.8	77.8 ± 9.5	0.014
OCTA			
Average peripapillary VD (%)	51.3 ± 5.4	53.9 ± 4.0	0.131
Superior	58.8 ± 9.3	60.9 ± 6.1	0.177
Temporal	39.3 ± 5.6	54.9 ± 8.9	<0.001
Inferior	63.5 ± 8.8	46.4 ± 8.2	<0.001
Nasal	43.4 ± 5.9	53.5 ± 4.8	0.001
Average macular VD	46.7 ± 2.8	46.6 ± 1.9	0.915
Superior	47.6 ± 2.9	49.3 ± 4.1	0.198
Temporal	46.7 ± 1.6	45.7 ± 3.5	0.213
Inferior	47.8 ± 4.1	43.7 ± 3.6	0.011
Nasal	44.1 ± 4.5	47.9 ± 3.3	0.025

N/A, not applicable; SE, spherical equivalent; IOP, intraocular pressure; MD, mean deviation; PSD, pattern standard deviation; OCT, optical coherence tomography; GCIPL, ganglion cell inner plexiform layer; RNFL, retinal nerve fiber layer; OCTA, optical coherence tomography angiography; VD, vessel density.

P value was calculated using generalized estimation equation (GEE).