

Supplemental Tables:

Supplemental Table 1. Comparison of Rates of 10-2 VF Loss between inferiorly located DH and Non-DH Eyes

	DH Group	Non-DH Group	Difference	P value (adjusted)
	Mean (95% CI)	Mean (95% CI)		
No. of Eyes	28	304		
Central MD Change Rate (dB/year)				
Global 10-2	-0.40 (-0.60, -0.21)	-0.15 (-0.21, -0.09)	-0.26 (-0.46, -0.06)	0.012 (0.008)
Central Hemifield MD Change Rate (dB/year)				
Superior	-0.40 (-0.60, -0.20)	-0.16 (-0.22, -0.10)	-0.24 (-0.45, -0.03)	0.026 (0.021)
Inferior	-0.24 (-0.42, -0.05)	-0.14 (-0.20, -0.08)	-0.10 (-0.29, 0.10)	0.334 (0.306)
Zonal MD Change Rate (dB/year)				
Zone 1 (superior nasal)	-0.51 (-0.75, -0.27)	-0.20 (-0.27, -0.13)	-0.31 (-0.56, -0.06)	0.016 (0.012)
Zone 2 (superior temporal)	-0.68 (-0.98, -0.39)	-0.25 (-0.33, -0.16)	-0.44 (-0.75, -0.13)	0.005 (0.003)
Zone 3 (superior temporal band)	-0.25 (-0.51, 0.01)	-0.18 (-0.26, -0.10)	-0.07 (-0.34, 0.20)	0.622 (0.598)
Zone 4 (inferior temporal)	-0.03 (-0.3, 0.24)	-0.20 (-0.28, -0.12)	0.17 (-0.12, 0.45)	0.253 (0.255)
Zone 5 (inferior nasal)	-0.25 (-0.44, -0.05)	-0.14 (-0.20, -0.08)	-0.11 (-0.32, 0.09)	0.290 (0.268)

DH = disc hemorrhage; MD = mean deviation; VF = visual field. Values are shown in mean (95% confidence interval), unless otherwise indicated. P values were adjusted for age and baseline 24-2 MD. Statistically significant P values are shown in bold.

Supplemental Table 2. Comparison of Rates of VF Loss between DH and Non-DH Eyes in Early Glaucoma.

	DH Group	Non-DH Group	Difference	P value (adjusted)
	Mean (95% CI)	Mean (95% CI)		
No. of Eye	32	234		
24-2 MD Change Rate (dB/year)				
Global 24-2	-0.24 (-0.35, -0.14)	-0.10 (-0.13, -0.06)	-0.15 (-0.26, -0.03)	0.011(0.073)
Central MD Change Rate (dB/year)				
Global 10-2	-0.56 (-0.71, -0.40)	-0.10 (-0.16, -0.04)	-0.46 (-0.62, -0.29)	<0.001 (<0.001)
Central Hemifield MD Change Rate (dB/year)				
Superior	-0.52 (-0.67, -0.38)	-0.13 (-0.18, -0.08)	-0.39 (-0.55, -0.24)	<0.001 (<0.001)
Inferior	-0.35 (-0.48, -0.22)	-0.10 (-0.14, -0.05)	-0.25 (-0.39, -0.11)	<0.001 (0.001)
Zonal MD Change Rate (dB/year)				
Zone 1 (superior nasal)	-0.63 (-0.79, -0.46)	-0.14 (-0.2, -0.08)	-0.49 (-0.66, -0.32)	<0.001 (<0.001)
Zone 2 (superior temporal)	-0.69 (-0.90, -0.47)	-0.21 (-0.29, -0.13)	-0.48 (-0.71, -0.25)	<0.001 (<0.001)
Zone 3 (superior temporal band)	-0.48 (-0.68, -0.29)	-0.14 (-0.21, -0.07)	-0.35 (-0.55, -0.14)	0.001 (0.002)
Zone 4 (inferior temporal)	-0.32 (-0.52, -0.13)	-0.14 (-0.22, -0.07)	-0.18 (-0.39, 0.02)	0.084 (0.100)
Zone 5 (inferior nasal)	-0.34 (0.07, 0.00)	-0.09 (-0.14, -0.04)	-0.25 (0.07, 0.00)	<0.001 (0.001)

DH = disc hemorrhage; MD = mean deviation; VF = visual field. Values are shown in mean (95% confidence interval), unless otherwise indicated. P values were adjusted for age and baseline 24-2 MD. Statistically significant P values are shown in bold.

Supplemental Table 3. Factors Contributing to the 10-2 VF Loss assessed by clustered PLR in Study Participants using Univariable and Multivariable Logistic Regression Analysis in Early Glaucoma.

Variables	Univariate Model	Multivariable Model I	Multivariable Model II
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	Odds ratio, 95% CI	<i>P</i> value	Odds ratio, 95 % CI	<i>P</i> value	Odds ratio, 95 % CI	<i>P</i> value
Age, per 10 year older	10.05 (9.57, 10.55)	0.852	9.97 (9.46, 10.51)	0.900	10.05 (9.53, 10.59)	0.863
Gender: M/F	0.82 (0.34, 1.96)	0.651				
Race :						
African American/ Non-African American	1.64 (0.59, 4.52)	0.343				
Axial length, per 1mm longer	0.95 (0.68, 1.32)	0.757				
CCT, per 10 μ m thinner	10.02 (9.92, 10.11)	0.722				
Self-reported diabetes	0.73 (0.29, 1.82)	0.748				
Self-reported hypertension	0.99 (0.94, 1.05)	0.496				
MOPP, per 1 mmHg higher	0.96 (0.86, 1.06)	0.803				
Baseline IOP, per 1 mmHg higher	0.96 (0.86, 1.06)	0.413				
Mean IOP, per 1 mmHg higher	0.98 (0.86, 1.11)	0.737	1.01 (0.88, 1.17)	0.843	1.00 (0.87, 1.14)	0.960
History of disc hemorrhage	4.86 (1.79, 13.2)	0.002	4.07 (1.47, 11.24)	0.007	4.30 (1.63, 11.37)	0.003
Baseline MD 10-2, per 1 dB worse	1.06 (0.95, 1.18)	0.274				
Baseline MD 24-2, per 1 dB worse	1.33 (1.11, 1.59)	0.002	1.32 (1.08, 1.6)	0.006		
Follow-up time	1.09 (0.87, 1.37)	0.438				

CCT = central corneal thickness; F = female; IOP = intraocular pressure; M = male; MD = mean deviation; MOPP = mean ocular perfusion pressure; VF = visual field. Values are shown in odds ratio (95% confidence interval), unless otherwise indicated. Age, mean IOP and variables with a P value of less than 0.10 in the univariable analysis were included in the multivariable model. Statistically significant P values are shown in bold.