

Parameter	Mean (standard deviation)
Number of subjects (eyes; right/left)	37 (72; 36/36)
Age (years)	51.3 (12.9)
AL (mm)	24.3 (1.0)
Spherical equivalent refraction (diopters)	-1.55 (2.02)
Best-corrected decimal visual acuity	1.5 (0.9 ~ 1.5)*
Central corneal thickness ( $\mu\text{m}$ )	515 (29)
Corneal curvature (mm)	7.75 (0.28)
IOP (mmHg)	13.6 (0.8)
Disc area ( $\text{mm}^2$ )	2.21 (0.37)
VF <sub>mean</sub> (dB)	30.3 (1.1)
VF <sub>4TestPoints</sub> (dB)	33.0 (0.8)
CpRNFLT ( $\mu\text{m}$ )	106.8 (8.7)
GCIPLT <sub>4TestPoints</sub> ( $\mu\text{m}$ )	87.8 (6.4)

1 **Table 1. Summary of subjects' characteristics.**

2 The data are expressed as the mean (standard deviation). VF<sub>mean</sub>, mean visual field (VF)  
3 sensitivities (dB) of 52 test points of the HFA 24-2 test; VF<sub>4TestPoints</sub>, mean VF sensitivity  
4 of the central 4 test points of the HFA 24-2; cpRNFLT, circumpapillary retinal nerve fiber  
5 layer thickness measured and averaged over the entire circumference of the circle with  
6 a diameter of 3.4 mm centered on the barycenter of clinical disc; GCIPLT<sub>4TestPoints</sub>, mean  
7 ganglion cell-inner plexiform layer thicknesses in a circular retinal area with a diameter  
8 of 0.6 mm (approximately 2 degrees of the visual angle) corresponding to the four  
9 central test points of the HFA 24-2, adjusted for RGC displacement according to Drasdo  
10 *et al.* [25]. All measured values listed were obtained at the baseline examination.

11 \*Median (range).

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Item	Estimate*	Standard error	p value
Intercept	13.9	2.7	<0.001
Duration=time (years)	-0.121	0.019	<0.001
VF <sub>mean</sub> at baseline (dB)	0.604	0.058	<0.001
VF <sub>mean</sub> at baseline × duration	-0.111	0.005	<0.001
Age at baseline (years)	-0.021	0.005	<0.001
Age at baseline × duration	-0.009	0.002	<0.001
AL (mm)	-0.022	0.061	0.725
AL × duration	0.006	0.020	0.777

13 **Table 2. Factors contributing to the aging-related changes in VF<sub>mean</sub> in normal**  
14 **Japanese subjects.**  
15 VF<sub>mean</sub>, mean visual field sensitivity of 52 test points of the HFA 24-2 test; VF<sub>mean</sub> at  
16 baseline × duration, interaction between VF<sub>mean</sub> at baseline and duration (time lapse  
17 from the baseline measurement); age at baseline × duration, interaction between age  
18 and duration (time lapse from the baseline measurement); AL × duration, interaction  
19 between AL and duration (time lapse from the baseline measurement). \*Estimated  
20 coefficient value.

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Item	Estimate*	Standard error	p value
Intercept	21.9	3.42	<0.001
Duration=time (years)	-0.185	0.027	<0.001
VF <sub>4TestPoints</sub> at baseline (dB)	0.432	0.070	<0.001
VF <sub>4TestPoints</sub> × duration	-0.143	0.031	<0.001
Age at baseline (years)	-0.028	0.006	<0.001
Age at baseline × duration	-0.010	0.002	<0.001
AL (mm)	-0.063	0.068	0.356
Al × duration	-0.010	0.029	0.729

23 **Table 3. Factors contributing to aging-related changes in VF<sub>4TestPoints</sub> in normal**  
24 **Japanese subjects.**  
25 VF<sub>4TestPoints</sub>, mean VF sensitivity of the central four test points of the HFA 24-2 test;  
26 VF<sub>4TestPoints</sub> at baseline × duration, interaction between VF<sub>4TestPoints</sub> at baseline and  
27 duration (time lapse from the baseline measurement); age at baseline × duration,  
28 interaction between baseline age and duration (time lapse from the baseline  
29 measurement); AL × duration, interaction between AL and duration (time lapse from  
30 the baseline measurement). \*Estimated coefficient value.

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Item	Estimate*	Standard error	p value
Intercept	5.48	1.94	0.005
Duration=time (years)	0.067	0.072	0.352
CpRNFLT at baseline ( $\mu\text{m}$ )	1.00	0.009	<0.001
CpRNFLT at baseline $\times$ duration	0.001	0.010	0.934
Age at baseline (years)	-0.025	0.006	<0.001
Age at baseline $\times$ duration	-0.021	0.006	0.001
Axial length (mm)	-0.153	0.071	0.030
Axial length $\times$ duration	-0.132	0.075	0.078
Disc area ( $\text{mm}^2$ )	-0.619	0.181	<0.001
Disc area $\times$ duration	-0.128	0.192	0.505

34 **Table 4. Factors contributing to aging-related changes in the cpRNFLT in normal**  
35 **Japanese subjects.**

36 CpRNFLT, circumpapillary retinal nerve fiber layer thickness measured and averaged  
37 over whole circumference of the circle with a diameter of 3.4 mm centered on the  
38 barycenter of clinical disc; cpRNFLT at baseline  $\times$  duration, interaction between the  
39 cpRNFLT at baseline and duration (time lapse from the baseline measurement); age at  
40 baseline  $\times$  duration, interaction between baseline age and duration (time lapse from  
41 the baseline measurement); AL  $\times$  duration, interaction between AL and duration (time  
42 lapse from the baseline measurement); disc area  $\times$  duration, interaction between disc  
43 area and duration (time lapse from the baseline measurement). \*Estimated coefficient  
44 value.

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Item	Estimate*	Standard error	p value
Intercept	4.69	1.16	<0.001
Duration=time (years)	-0.064	0.040	0.114
GCIPLT <sub>4TestPoints</sub> at baseline (μm)	0.992	0.006	<0.001
GCIPLT <sub>4TestPoints</sub> at baseline × duration	-0.008	0.007	0.238
Age at baseline (years)	-0.025	0.003	<0.001
Age at baseline × duration	-0.010	0.0034	0.004
AL (mm)	-0.092	0.039	0.019
AL × duration	-0.056	0.041	0.174
Disc area (mm <sup>2</sup> )	-0.191	0.097	0.048
Disc area × duration	-0.188	0.102	0.067

47 **Table 5. Factors contributing to aging-related changes in the GCIPLT<sub>4TestPoints</sub> in normal**  
48 **Japanese subjects.**

49 GCIPLT<sub>4TestPoints</sub>, the mean of ganglion cell-inner plexiform layer thicknesses in a circular  
50 retinal area with a diameter of 0.6 mm (corresponding to about 2 degrees of visual  
51 angle) in the four central test points of the HFA 24-2 test, adjusted for RGC  
52 displacement according to Drasdo et al. [25] GCIPLT<sub>4TestPoints</sub> at baseline × duration,  
53 interaction between the GCIPLT<sub>4TestPoints</sub> at baseline and duration (time lapse from the  
54 baseline measurement); age at baseline × duration, interaction between baseline age  
55 and duration (time lapse from the baseline measurement); AL × duration, interaction  
56 between AL and duration (time lapse from the baseline measurement); disc area ×  
57 duration, interaction between disc area and duration (time lapse from the baseline  
58 measurement). \*Estimated coefficient value.

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