

Supplementary Online Content

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eTable 1. Macular Pigment Optical Density (Modified HRA) Within Each Eccentricity

eTable 2. Macular Pigment Optical Density (MPD Visucam)

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Macular Pigment Optical Density (Modified HRA) Within Each Eccentricity

		L+Z (N=119)	Placebo (N=120)	Between group differences* (L+Z – placebo)	
				E [IC95%]	P value
Baseline value, mean±std (n)					
	0.51°	0.60±0.16 (116)	0.62±0.19 (117)		
	0.98°	0.55±0.13 (116)	0.56±0.18 (117)		
	1.99°	0.41±0.09 (116)	0.41±0.13 (117)		
	6°	0.17±0.04 (116)	0.17±0.06 (115)		
M3-D0, mean±std (n)	0.51°	0.04±0.15 (114)	0.03±0.16 (107)	-0.002 [-0.043 ; 0.039]	0.92
	0.98°	0.03±0.12 (114)	0.03±0.13 (107)	-0.004 [-0.038; 0.029]	0.80
	1.99°	0.17±0.11 (114)	0.18±0.12 (107)	-0.011 [-0.043; 0.022]	0.52
	6°	0.00±0.04 (114)	0.01±0.04 (105)	-0.006 [-0.018; 0.006]	0.35
M6-D0, mean±std (n)	0.51°	0.05±0.18 (108)	0.03±0.19 (107)	0.020 [-0.038 ;0.077]	0.52
	0.98°	0.05±0.15 (108)	0.03±0.16 (107)	0.023[-0.026; 0.071]	0.36
	1.99°	0.20±0.14 (108)	0.18±0.14 (107)	0.016 [-0.029; 0.062]	0.48
	6°	0.02±0.05 (108)	0.00±0.06(105)	0.005 [-0.011; 0.021]	0.52
M9-D0, mean±std (n)	0.51°	0.04±0.17 (104)	0.02±0.19 (103)	0.009 [-0.042; 0.060]	0.73

	0.98°	0.04±0.14 (104)	0.02±0.17 (103)	0.007 [-0.038 ; 0.052]	0.76
	1.99°	0.18±0.13 (104)	0.17±0.16 (103)	-0.001 [-0.047; 0.044]	0.94
	6°	0.01±0.04 (104)	0.01±0.06 (102)	0.000 [-0.014; 0.015]	0.95
M12-D0, mean±std (n)	0.51°	0.04±0.15 (111)	0.01±0.17 (101)	0.031 [-0.015; 0.078]	0.19
	0.98°		0.01±0.15 (101)		0.11
	1.99°	0.04±0.13 (111)	0.16±0.14 (101)	0.032 [-0.008; 0.072]	0.22
	6°	0.18±0.12 (111)	0.01±0.05 (99)	0.024 [-0.014; 0.062]	0.09
		0.02±0.04 (111)		0.011 [-0.002; 0.024]	
M12-D0, mean±std (n)	0.51°	0.04±0.15 (111)	0.01±0.17 (101)	0.031 [-0.015; 0.078]	0.19
	0.98°	0.04±0.13 (111)	0.01±0.15 (101)	0.032 [-0.008; 0.072]	0.11
	1.99°	0.18±0.12 (111)	0.16±0.14 (101)	0.024 [-0.014; 0.062]	0.22
	6°	0.02±0.04 (111)	0.01±0.05 (99)	0.011 [-0.002; 0.024]	0.09

* Linear mixed model with random intercept adjusted for age, sex, BMI, smoking, and center.

E: estimate; IC95%: confidence interval; n: available data

eTable 2. Macular Pigment Optical Density (MPD Visucam)

	L+Z (N=119)	Placebo (N=120)	Between group differences* (L+Z – placebo)	
			E [IC95%]	P value
Volume				
Baseline value (D0), mean±std (n)	9199±1986 (118)	8271±2412 (120)		
M3-D0	-194±1520 (116)	212±1267 (112)	-358 [-792.13; 75.39]	0.10
M6-D0	-654±2128 (114)	-88±1667 (110)	-457 [-1085.26; 171.70]	0.15
M9-D0	-965±2462 (110)	-217±1759 (106)	-667 [-1347.71; 12.55]	0.05
M12-D0	-785±1938 (114)	-291±2337 (106)	-393 [-1043.11; 256.54]	0.23
Area				
Baseline value (D0), mean±std (n)	64921±10028 (118)	62294±10936 (120)		
M3-D0	-2162±8830 (116)	519±7918 (112)	-2370 [-4840.83; 100.53]	0.06
M6-D0	-4460±10217 (114)	-1533±9955 (110)	-2371 [-5575.92; 833.90]	0.15
M9-D0	-6500±11643 (110)	-1991±9650 (106)	-4273 [-7467.32; - 1078.94]	0.009
M12-D0	-4520±10207 (114)	-2727±9626 (106)	-1628 [-4248.96; 992.91]	0.22
Mean				
Baseline value (D0), mean±std (n)	0.14±0.02 (118)	0.13±0.02 (120)		
M3-D0	0.01±0.01 (116)	0.01±0.01 (112)	-0.001 [-0.005; 0.002]	0.55
M6-D0	-0.01±0.02 (114)	0.01±0.01 (110)	-0.002 [-0.008; 0.003]	0.35
M9-D0	-0.01±0.02 (110)	0.01±0.02 (106)	-0.002 [-0.009; 0.004]	0.45
M12-D0	-0.01±0.01 (114)	0.01±0.03 (106)	-0.003 [-0.010; 0.004]	0.43

	(114)	(106)	0.004]	
Maximum				
Baseline value (D0), mean±std (n)	0.38±0.05 (118)	0.36±0.06 (120)		
M3-D0	-0.01±0.03 (116)	0.01±0.03 (112)	-0.005 [-0.012; 0.003]	0.21
M6-D0	-0.01±0.03 (114)	-0.01±0.03 (110)	-0.002 [-0.013; 0.008]	0.64
M9-D0	-0.01±0.04 (110)	-0.00±0.06 (106)	-0.007 [-0.024; 0.009]	0.38
M12-D0	-0.02±0.04 (114)	-0.01±0.07 (106)	-0.012 [-0.032; 0.009]	0.26

* Linear mixed model with random intercept adjusted for age, sex, BMI, smoking, and center. E: estimate; IC95%: confidence interval
n: available data