

Supplementary content

Title: Myopia Control Effect of Defocus Incorporated Multiple Segments (DIMS) spectacle lens in Chinese children – results of a 3-year follow up study

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Supplementary Results

eTable 1. Demographic data between the subjects who had joined and the subjects who had not joined the third year.

eTable 2. Comparison between the baseline data for the historical control group and the data at 24-month in the DIMS group

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eTable 1. Demographic data between the subjects who had joined and the subjects who had not joined the third-year study

DIMS group	joined study (n=65)	not joined study (n= 14)	p-value (t-test /chi-square test)
Age at enrolment (years)	10.15 ± 1.52	10.43 ± 1.22	0.521
Sex			
Male, % (n)	57% (37)	64% (9)	0.612
Female, % (n)	43% (28)	36% (5)	
Baseline SER (D)	-2.98 ± 0.96	-2.93 ± 1.05	0.863
Baseline AL (mm)	24.68 ± 0.82	24.81 ± 0.84	0.594
Myopia progression (D) in previous 2 years	-0.34 ± 0.52	-0.55 ± 0.54	0.177
Axial elongation (mm) in previous 2 years	0.20 ± 0.21	0.27 ± 0.23	0.270
Control to DIMS group	joined study (n=55)	not joined study (n= 26)	p-value (t-test /chi-square test)
Age at enrolment (years)	10.15 ± 1.42	9.83 ± 1.35	0.089
Sex			
Male, % (n)	47% (26)	62% (16)	0.261
Female, % (n)	53% (28)	38% (10)	
Baseline SER (D)	-2.73 ± 0.99	-2.86 ± 0.91	0.573

Baseline AL (mm)	24.57 ± 0.88	24.73 ± 0.73	0.423
Myopia progression (D) in previous 2 years	-0.87 ± 0.59	-1.01 ± 0.62	0.330
Axial elongation (mm) in previous 2 years	0.49 ± 0.24	0.59 ± 0.23	0.080

eTable 2. Comparison between the baseline data for the historical control group and the data at 24-month in the DIMS group

	DIMS (n=65)	Historical control group (n= 76)	p-value (t-test /chi- square test)
Age	12.14 ± 1.52	12.19 ± 0.71	0.856
Sex			
Male, % (n)	57% (37)	51% (39)	0.506
Female, % (n)	43% (28)	49% (37)	
Baseline SER (D)	-3.32 ± 1.00	- 2.93 ± 1.33	0.054
Baseline AL (mm)	24.88 ± 0.88	24.77 ± 0.91	0.469

eTable 3. Comparison between the baseline data in the historical control group and the data at 24-month in the Control-to-DIMS group

	Control-to-DIMS (n=55)	Historical control group (n= 76)	p-value (t-test /chi- square test)
Age	12.24 ± 1.47	12.19 ± 0.71	0.793
Sex			
Male, % (n)	47% (26)	51% (39)	0.722
Female, % (n)	53% (28)	49% (37)	
Baseline SER (D)	-3.61 ± 1.15	-2.93 ± 1.33	0.003*
Baseline AL (mm)	25.06 ± 0.96	24.77 ± 0.91	0.081

*p value <0.05