

## 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

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

**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**

	<b>DIMS (n=65)</b>	<b>Historical control group (n= 76)</b>	<b>p-value (t-test /chi- square test)</b>
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**

	<b>Control-to-DIMS (n=55)</b>	<b>Historical control group (n= 76)</b>	<b>p-value (t-test /chi- square test)</b>
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