

Effect of Myopic Under-correction on Habitual Reading Distance in Schoolchildren: The Hong Kong Children Eye Study

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Supplemental Table 1. Comparative Analysis of Children in the Entire HKCES pool with those included in the Current Study

	HKCES		Current Study		P Values
	mean	SD	mean	SD	
Sample Size	4257		2363		
Age (years)	7.63	1.05	7.64	1.06	0.63
Male Gender (N, %)	2304	0.524	1244	0.526	0.82
Spherical equivalent , D	0.13	1.61	0.13	1.53	0.98
Visual acuity, logMAR unit (poor eye)	0.16	0.25	0.11	0.21	<.001*
Visual acuity, logMAR unit (better eye)	0.09	0.21	0.05	0.17	<.001*
Height (cm)	124.92	8.36	124.72	8.18	0.34

* represent $P < 0.05$

Supplemental Table 2. Demographics and Ocular Parameters of Children by Different Refractive Status

	Emmetropia or Hypermetropia (n=1743)		Myopia with full correction (n=245)		Myopia with undercorrection (n=375)	
	Mean	SD	Mean	SD	Mean	SD
Age (years)	7.50	1.02	8.20	1.16	7.90	1.00
Male Gender (N, %)	903	51.80%	137	55.90%	204	54.40%
Spherical equivalent	0.83	0.8	-1.71	1.28	-1.94	1.37
Visual acuity, logMAR unit(poor eye)	0.05	0.09	0.12	0.13	0.45	0.35
Visual acuity, logMAR unit(better eye)	0	0.038	0.016	0.047	0.34	0.31
Height (cm)	123.78	7.87	128.46	8.42	126.6	8.4

Supplemental Table 3. Association of Myopia and Reading Distance Based on Questionnaires

		Model 1		Model 2	
	Myopia (n=659)	OR (95%CI)	p-value	OR (95%CI)	p-value
Reading Distance in Questionnaire					
>30 cm (N, %)	22(3.3%)	1		1	
20-30 cm (N, %)	184(27.9%)	1.46(0.86, 2.48)	0.16	1.58(0.87, 2.88)	0.14
10-20 cm (N, %)	378(57.5%)	2.04(1.21, 3.41)	0.007*	2.19(1.22, 3.94)	0.009*
<10 cm(N, %)	75(11.4%)	2.23(1.25, 3.99)	0.007*	2.46(1.28, 4.73)	0.007*
Age (SD), yrs	7.50 (1.02)	1.46(1.28, 1.65)	<.001*	1.44(1.25, 1.65)	<.001*
Gender (male, %)	54.80%	1.10(0.90, 1.33)	0.35	1.04(0.84, 1.28)	0.74
Height (SD), cm	124.36	1.03(1.01, 1.04)	0.003*	1.03(1.01, 1.04)	0.004*
Outdoor time (SD), hrs	1.48 (0.64)			0.91(0.77 1.08)	0.27
Near work time (SD), hrs	0.80 (0.37)			1.66(1.24, 2.23)	0.001*
Parental Myopia(N, %)	88.00%			3.16(1.33, 7.47)	0.009*

Model 1: adjusted by age, gender, and height; Model 2: adjusted by age, gender, height, outdoor time, near work time and parental myopia; * represent P<0.05