

Table 1

	Distance Monocular Facility			Distance Binocular Facility		
	AF (cycles.min ⁻¹)	PRT (sec)	NRT (sec)	AF (cycles.min ⁻¹)	PRT (sec)	NRT (sec)
Emmetropes	18.54 ± 5.40	1.77 ± 0.81	1.46 ± 0.95	12.93 ± 7.33	3.14 ± 14.13	1.48 ± 1.30
Myopes	15.95 ± 4.91	2.17 ± 1.08	1.58 ± 0.67	11.05 ± 6.59	3.98 ± 15.62	1.39 ± 0.48
Significance (t-test)	p = 0.04*	p = 0.04*	p = 0.40	p = 0.29	p = 0.52	p = 0.68
Late-onset myopes	13.83 ± 4.51	2.45 ± 1.29	1.88 ± 0.90	9.50 ± 7.63	4.66 ± 17.54	1.59 ± 0.49
Early-onset myopes	17.36 ± 4.76	2.03 ± 1.27	1.42 ± 0.32	12.08 ± 5.79	3.65 ± 14.28	1.29 ± 0.43
Significance (ANOVA)	p = 0.05	p = 0.14	p = 0.90	p = 0.36	p = 0.49	p = 0.62

	Near Monocular Facility			Near Binocular Facility		
	AF(cycles.min ⁻¹)	PRT (sec)	NRT (sec)	AF(cycles.min ⁻¹)	PRT (sec)	NRT (sec)
Emmetropes	13.69 ± 5.93	1.86 ± 0.96	2.51 ± 3.29	10.03 ± 6.19	3.02 ± 4.90	3.03 ± 13.70
Myopes	12.62 ± 5.07	2.53 ± 3.21	2.15 ± 1.18	9.00 ± 5.76	4.02 ± 7.16	2.63 ± 10.55
Significance (t-test)	p = 0.44	p = 0.02*	p = 0.09	p = 0.50	p = 0.15	p = 0.43
Late-onset myopes	10.21 ± 5.80	3.32 ± 4.51	2.57 ± 1.53	7.63 ± 5.02	4.85 ± 8.74	3.10 ± 1.98
Early-onset myopes	14.22 ± 3.90	2.28 ± 1.48	1.94 ± 0.71	9.92 ± 6.41	3.61 ± 5.79	2.38 ± 13.63
Significance (ANOVA)	p = 0.11	p = 0.002*	p = 0.14	p = 0.48	p = 0.16	p = 0.68

	Accommodative Response				
	Amplitude (D)	Monocular AEI (D)	Binocular AEI (D)	CA/C Ratio D/Δ [*]	AC/A Ratio Δ/D [†]
Emmetropes	8.88 ± 1.01	0.35 ± 0.23	0.37 ± 0.25	0.067 ± 0.04	3.5 ± 1.0
Myopes	8.12 ± 0.96	0.41 ± 0.27	0.36 ± 0.26	0.061 ± 0.03	4.0 ± 1.3
Significance (t-test)	p = 0.04*	p = 0.76	p = 0.83	p = 0.56	p = 0.14
Late-onset myopes	8.20 ± 1.13	0.40 ± 0.29	0.42 ± 0.32	0.063 ± 0.03	3.6 ± 1.4
Early-onset myopes	8.10 ± 0.87	0.41 ± 0.26	0.32 ± 0.22	0.060 ± 0.04	4.2 ± 1.3
Significance (ANOVA)	p = 0.03*	p = 0.67	p = 0.60	p = 0.82	p = 0.14

	Tonic Accommodation (D)			
	Dark Focus	Pinhole	AH	NITM
Emmetropes	0.56 ± 0.51	1.11 ± 0.77	0.13 ± 0.46	0.07 ± 0.73
Myopes	0.49 ± 0.68	0.63 ± 0.77	0.11 ± 0.70	0.14 ± 0.52
Significance (t-test)	p = 0.68	p = 0.02*	p = 0.92	p = 0.72
Late-onset myopes	0.51 ± 0.61	0.88 ± 0.89	0.10 ± 0.53	0.17 ± 0.44
Early-onset myopes	0.47 ± 0.74	0.43 ± 0.62	0.11 ± 0.84	0.11 ± 0.55
Significance (ANOVA)	p = 0.91	p = 0.03*	p = 0.99	p = 0.91

* Correlation is significant at the 0.05 level (2-tailed).

* Note dimensions are Capital D/ Greek capital Delta

† Note dimensions are Greek Capital Delta/ Capital D

Table 2
Correlations

	NM AF	DB AF	NB AF	DM PRTA	NM PRTA	DB PRTA	NB PRTA	DM NRTA	NM NRTA	NB NRTA	BAE	ML	BLA	PH	AH
AOA															
DMAF	.51*	.37*	.36*	-.75***	-.27*		-.38***	-.70***	-.27*						
NMAF		.34*	.63*	-.38***	-.57***		-.40***	-.36***	-.61***						
DBAF			.70*	-.42***		-.73***	-.37***			-.47***					
NBAF				-.35**	-.30*	-.51***	-.56***		-.39***	-.58***					
DM PRTA					.28*	.27*	.33**								
DB PRTA										.53***					
NB PRTA								.29*	.46**						
DM NRTA									.43**						.33*
CAC														-.28*	
MAEI											.49*	.50*			
MLAG													.64*		
DF														.45***	-.31*
PH															-.31*
AH															

* Correlation is significant at the 0.05 level (2-tailed).

** Correlation is significant at the 0.01 level (2-tailed).

*** Correlation is significant at the 0.005 level (2-tailed).

Table 3

	Myopia Progression	
	Correlations	Significance (<i>p</i>)
Amplitude of accommodation	0.07	0.56
Distance monocular accommodative facility	- 0.15	0.23
Near monocular accommodative facility	- 0.32	0.01
Distance binocular accommodative facility	0.02	0.91
Near binocular accommodative facility	- 0.23	0.07
Positive response time distance monocular accommodative facility	0.12	0.33
Positive response time near monocular accommodative facility	0.20	0.11
Positive response time distance binocular accommodative facility	0.10	0.94
Positive response time near binocular accommodative facility	0.26	0.04
Negative response time distance monocular accommodative facility	-0.02	0.90
Negative response time near monocular accommodative facility	0.11	0.38
Negative response time distance binocular accommodative facility	- 0.07	0.61
Negative response time near binocular accommodative facility	- 0.04	0.71
CA/C Ratio	0.06	0.68
AC/A Ratio	0.10	0.44
Monocular accommodative error index	0.84	0.71
Binocular accommodative error index	0.90	0.04
Accommodative hysteresis	0.21	0.16
Monocular accommodation at 6m	0.51	0.51
Binocular accommodation at 6m	0.92	0.41
Monocular accommodative lag at 33 cm	0.31	0.02
Binocular accommodative lag at 33 cm	0.35	0.01
Dark Focus Accommodation	-0.10	0.46
Nearwork-induced transient myopia	0.11	0.43

Table 4

Model Summary	Statistic
Sample Used	64
Multiple R	0.52
R Square	0.27
Overall p value	< 0.001

Table 5

Variables	Unstandardised coefficients		Standardised coefficients	Significance	Collinearity Statistics (VIF)
	Beta	Standard Error			
(Constant)	0.45	0.10			
AFNM	-0.02	0.01	-0.368	0.001	1.02
BLAG	0.35	0.10	0.398	0.001	1.02