APPENDIX 2

Table A1. Analysis of inter-measurement variability.

Lag measurements compared	Parameter studied	Slope of bias function	Slope of bias function, test of significant difference from zero			Slope of variability function	Slope of variability function, test of significant difference from zero		
			t	Dof	p		t	Dof	p
MBR and NR	Mean lag	-0.003	0.02	27	0.98	NA			
MBR and MEM	Mean lag	-0.82	8.2	28	**<0.0001**	NA			
NR and MEM	Mean lag	-0.82	7.7	27	**<0.0001**	NA			
MBR (standardized 40 cm target estimates): first and second measurements *within* visit	Age	-0.0002	0.06	170	0.95	-0.004	1.6	170	0.11
	Astigmatism	0.02	0.8	170	0.45	0.01	0.6	170	0.53
	SE	-0.05	3.5	170	**0.0005**	0.02	1.8	170	0.07
MBR (standardized 40 cm target estimates): first and second measurements *within* visit	Mean lag	-0.01	0.2	198	0.81	0.25	9.8	198	**<0.0001**
MBR (67 cm retinoscope measures): first and second measurements *within* visit	Mean lag	0.22	6.9	190	**<0.0001**	0.22	12.5	190	**<0.0001**
MBR (standardized 40 cm target estimates): Day 1 and Day 2 (*first* measurement of each visit)	Mean lag	0.33	1.9	26	0.06	0.43	6.3	26	**<0.0001**
MBR (standardized 40 cm target estimates): Day 1 and Day 2 (*second* measurement of each visit)	Mean lag	-0.08	0.8	28	0.43	0.11	1.8	28	0.09

MBR: modified bell retinoscopy
NR: Nott retinoscopy
MEM: monocular estimate method
NA: not applicable
SE: spherical equivalent refractive error
Dof: degrees of freedom.