Table 5: Association of Clinical Measures and Participant Age with Change in Amblyopic Eye Visual Acuity

	Cause of Amblyopia							
	Combined Change in Amblyopic Acuity (logMAR lines)				Strabismus Only Change in Amblyopic Acuity (logMAR lines)			
	Baseline to 9 Weeks		Baseline to 18 Weeks		Baseline to 9 Weeks		Baseline to 18 Weeks	
	n	Mean	n	Mean	n	Mean	n	Mean
Ocular Alignment at Baseline (minimum angle at distance and near)								
Orthotropia (0 Δ)	22	1.3	21	2.3	11	2.2	11	3.4
Microtropia (1 to 8 Δ)	45	1.8	43	2.6	14	2.6	14	3.3
Heterotropia (>8 Δ)	19	1.3	22	1.9	17	2.5	18	3.0
Adjusted P-Value*	0.88				0.53			
Baseline Amblyopic Acuity								
20/125 - 20/400	19	1.6	22	2.3	14	3.4	14	3.9
20/80 - 20/100	31	1.5	30	2.7	9	1.9	10	3.3
20/40 - 20/63	36	1.5	34	2.1	19	2.1	19	2.6
Adjusted P-Value*	0.34				0.002			
Amblyopic Spherical Equivalent								
<3.5 D	19	1.5	17	2.0	22	1.9	22	2.7
3.5 - <5 D	33	1.6	31	2.2	11	3.1	9	3.6
≥5 D	34	1.5	38	2.6	9	3.2	12	3.8
Adjusted P-Value*	0.07				0.43			
Max J0 and J45**								
<0.75 D	70	1.4	67	2.2	37	2.7	36	3.3
≥0.75 D	16	1.9	19	2.7	5	0.8	7	2.9
Adjusted P-Value*	0.32				0.11			
Age (years)								
3 - <5	46	1.3	47	2.2	27	2.6	26	3.2
5 - <7	40	1.8	39	2.6	15	2.3	17	3.2
Adjusted P-Value*	0.83				0.54			

Vector Dioptric Difference								
<0.35 D	0	—	0	—	12	2.6	11	2.7
0.35 - <0.71 D	0	—	0	—	10	1.6	11	3.6
0.71 - <1.41 D	3	1.7	2	1.0	20	2.9	21	3.2
1.41- <2.12 D	26	2.2	26	2.8	0	—	0	—
2.12 - <2.83 D	14	1.8	15	2.3	0	—	0	—
≥2.83 D	43	1.1	43	2.1	0	—	0	—
Adjusted P-Value*	0.17				0.69			
Stereoacuity at Baseline in Seconds of Arc (log transformation)								
40 (1.60) - 800 (2.90)	22	2.0	21	3.6	8	3.4	8	3.4
3000 (3.48)	17	1.9	15	2.4	5	3.2	5	4.0
>3000 (4.00)	36	1.2	39	1.9	24	2.1	24	2.9
Uninterpretable/Failed Pretest	11	1.0	11	1.3	5	2.2	6	3.3
Adjusted P-Value*	0.002				0.03			

*From a longitudinal linear regression of visual acuity at 9 and 18 weeks including: ocular alignment at baseline, baseline amblyopic eye visual acuity, amblyopic eye spherical equivalent, maximum of the vertical (J0) or oblique (J45) Jackson cross cylinder, age, vector dioptric difference and stereoacuity at baseline. All factors as continuous (except baseline stereoacuity and baseline scored ocular alignment).

** Maximum of J0 and J45 in the amblyopic eye is calculated as the maximum absolute value of J0 or absolute value of J45 [$\max(\text{abs}(J0_{amb}), \text{abs}(J45_{amb}))$]. The difference in J0 or J45 between the eyes is calculated as the absolute value of the difference in J0 (or J45) between the eyes, [$J0_{diff}=\text{abs}(J0_{amb}-J0_{snd})$ and $J45_{diff} = \text{abs}(J45_{amb}-J45_{snd})$].

Δ = prism diopters
D = diopter
logMAR = logarithm of the minimum angle of resolution