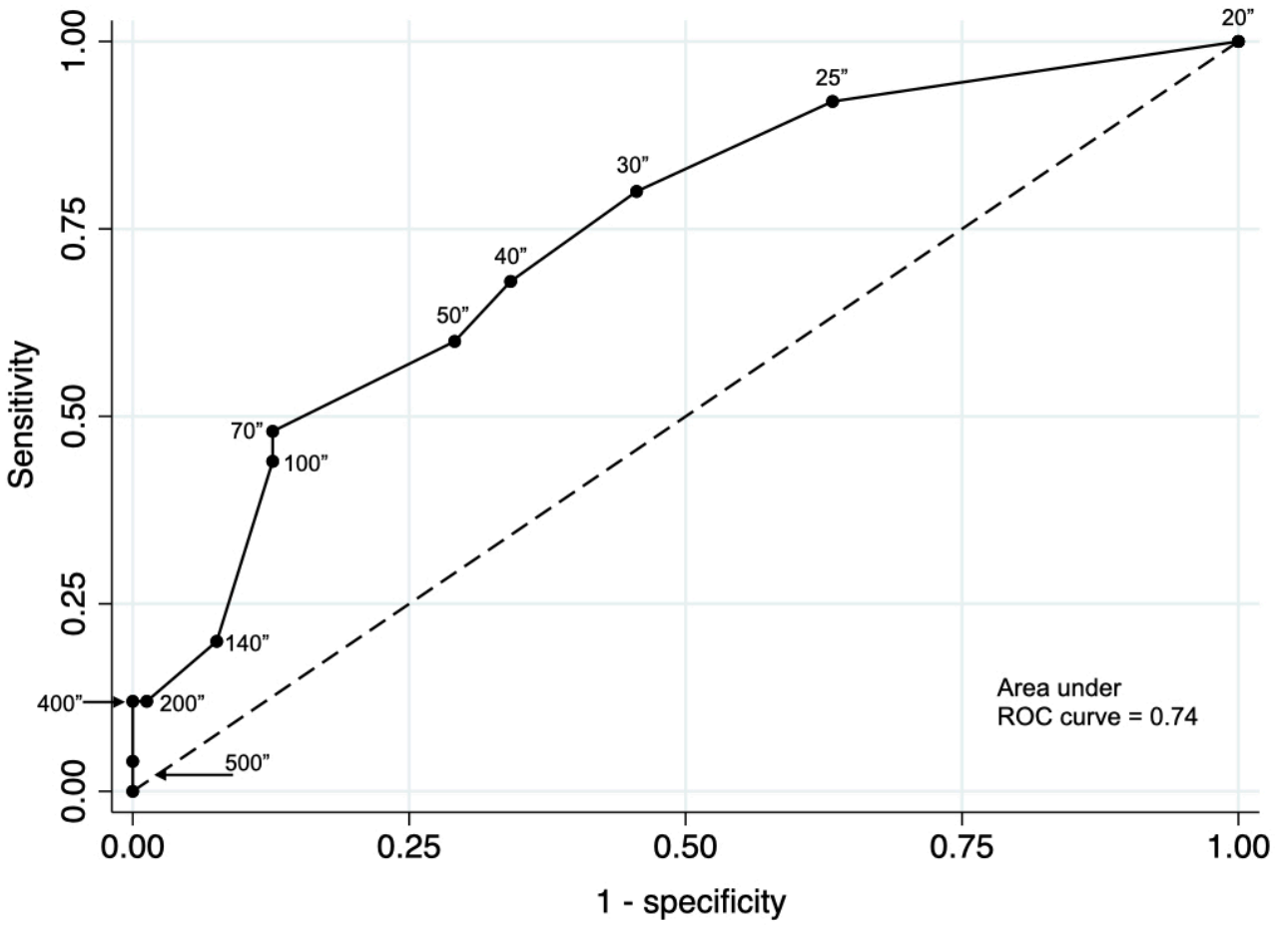
Appendix 1

Figure 4. Receiver Operating Characteristic (ROC) curves and Area Under the Curve (AUC) values for stereoacuity as predictor for convergence insufficiency.

For referral. AUC values greater than 0.8 indicate excellent discrimination, values between 0.7 and 0.8 suggest acceptable discrimination, and values below 0.7 indicate poor discrimination.



Appendix 2.

Table 4. Baseline, 6- and 12-week follow up of stereoacuity, angular extend of foveal suppression, associated phoria, near point of convergence, positive fusional vergence, amplitude of accommodation, and Convergence Insufficiency Symptom Survey (CISS) questionnaire for the two intervention groups and combined.

		Baseline	**Week 6**	**Week 12**
Randot circles test (") *		50 (30-70)	25 (20-25)	20 (20-25)
-	A → V	70 (30-100)	25 (20-25)	20 (20-20)
-	V → A	50 (30-70)	20 (20-25)	20(20-25)
-	**(p value)**	**(0.20)**	**(0.19)**	**(0.51)**
Original Randot test (") *		40 (20-55)	20 (20-20)	20 (20-20)
-	A → V	40 (30-200)	20 (20-20)	20 (20-20)
-	V → A	40 (20-50)	20 (20-20)	20 (20-20)
-	**(p value)**	**(0.32)**	**(0.86)**	**(0.39)**
TNO test (") *		60 (60-120)	60 (45-60)	60 (30-60)
-	A → V	60 (60-120)	60 (30-90)	45 (15-60)
-	V → A	60 (60-120)	60 (60-90)	60 (30-60)
-	**(p value)**	**(0.91)**	**(0.04)**	**(0.19)**
Angular extend of foveal suppression (") *		420 (0-600)	0 (0-0)	0 (0-0)
-	A → V	420 (300-420)	0 (0-0)	0 (0-0)
-	V → A	0 (0-900)	0 (0-0)	0 (0-0)
-	**(p value)**	**(0.44)**	**(0.50)**	**(0.66)**
Associated phoria (pd) *		-0.5 (-3.0; 0.0)	0.0 (-1.0; 0.0)	0.0 (-0.5; 0.0)
-	A → V	0.0 (-1.0; 0.0)	0.0 (-2.0; 0.0)	0.0 (-1.0; 0.0)
-	V → A	0.0 (-1.0; -6.0)	0.0 (0.0; 0.0)	0.0 (0.0; 0.0)
-	**(p value)**	**(0.10)**	**(0.14)**	**(0.78)**
Near point of convergence (cm) **		27.0 ± 11.8	12.5 ± 10.0	7.8 ±5.1
-	A → V	29.8 ± 11.4	13.6 ± 9.3	7.2 ± 4.8
-	V → A	23.6 ± 11.7	11.1 ±11.2)	8.6 ± 5.6
-	**(p value)**	**(0.19)**	**(0.54)**	**(0.51)**
Positive fusional vergence (pd) **		10.2 ± 4.7	25.5 ± 12.1)	31.9 ± 11.5
-	A → V	10.9 ± 5.1	21.6 ±12.0	33.1 ± 11.4
-	V → A	9.5 ± 4.3	30.5 ± 10.6	30.3 ±12.1
-	**(p value)**	**(0.47)**	**(0.06)**	**(0.57)**

		Baseline	Week 6	Week 12
Monocular accommodation amplitude (D) **		5.4 ± 2.6	9.3 ± 3.1	11.6 ± 3.4
-	A → V	5.3 ± 2.8	9.9 ± 3.3	12.7 ± 3.1
-	V → A	5.5 ± 2.4	8.6 ± 2.9	10.1 ±3.4
-	**(p value)**	**(0.85)**	**(0.30)**	**(0.06)**
CISS **		25.0 ± 9.1	15.4 ±11.1	11.0 ± 10.8
-	A → V	26.1 ± 9.9	15.3 ± 11.6	10.9 ± 12.2
-	V → A	23.5 ± 8.3	15.4 ± 11.0	11.25 ± 8.8
-	(**p value)**	**(0.85)**	**(0.99)**	**(0.94)**

* Median and interquartile range. ** Mean and standard deviation