

CORRECTION

Correction: The Effects of Compensatory Scanning Training on Mobility in Patients with Homonymous Visual Field Defects: A Randomized Controlled Trial

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There is an error in the last sentence of the “Hazard perception test” section in the “Assessments” section of the Material and Methods. The correct sentence is: The risk-index was defined by the proportion of risky answers (risk-index = $(2 \times \text{very risky responses} + \text{risky responses}) / \text{adapted error rate}$).

There is an error in Table 2. The values in the row “Contrast sensitivity” are incorrect. Please see the corrected [Table 2](#) here.



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Table 2. Test scores (mean ± SD).

	Training group			Waiting list control group			Healthy control group	
	n	T1 (Before training)	T2 (After training)	n	T1 (Early pre-assessment)	T2 (Before training)	n	T1
Tests for visual functions								
Visual acuity right eye (VOD)	26	0.90 ± 0.28	0.91 ± 0.29	23	0.90 ± 0.25	0.99 ± 0.26 b	-	
Visual acuity left eye (VOS)	26	0.97 ± 0.26	0.97 ± 0.25	23	0.90 ± 0.26	0.92 ± 0.26	-	
Contrast sensitivity	26	1.94 ± 0.16	1.97 ± 0.08	23	1.93 ± 0.13	1.90 ± 0.19	-	
Functional Field Score (FFS)	26	57.92 ± 7.80 c	57.75 ± 6.74	23	63.79 ± 11.41	62.58 ± 11.13	-	
Reading tests								
Radner average reading speed(wpm)	24	153 ± 31	159 ± 33	21	146 ± 41	147 ± 34	-	-
Minimal readable text size (LogRad)	24	0.08 ± 0.15	0.09 ± 0.12	21	0.07 ± 0.10	0.07 ± 0.12	-	-
Text reading speed (wpm)	23	133 ± 23	136 ± 27	21	125 ± 31	135 ± 35	-	-
Text correct answers	24	1.46 ± 0.66	1.79 ± 0.42 b	21	1.62 ± 0.59	1.67 ± 0.48	-	-
Basic scanning tests								
<i>Dot counting test</i>								
Reaction times (ms)								
All trials (Dots-RT-all)	21	8904 ± 3434 a	8515 ± 3812	23	9293 ± 5142 a	8224 ± 3201	25	6631 ± 1496
Few dots (Dots-RT-few)	21	5272 ± 2315 a	4834 ± 2012	23	5115 ± 1923 a	4542 ± 1408b	25	3214 ± 818
Many dots (Dots-RT-many)	21	12495 ± 4874 a	12207 ± 6175	23	13471 ± 8993	11942 ± 5376	25	10048 ± 2347
Proportion correct answers								
All trials (Dots-correct-all)	21	0.72 ± 0.17 a	0.75 ± 0.18	23	0.73 ± 0.24 a	0.70 ± 0.28	25	0.84 ± 0.12
Few dots (Dots-correct-few)	21	0.93 ± 0.09	0.91 ± 0.20	23	0.88 ± 0.22	0.85 ± 0.28	25	0.96 ± 0.07
Many dots (Dots-correct-many)	21	0.50 ± 0.29 a	0.59 ± 0.29	23	0.57 ± 0.31	0.56 ± 0.34	25	0.72 ± 0.21
<i>Parallel search test</i>								
Reaction times (ms)								
All trials (Par-RT-all)	21	2369 ± 785 a	2224 ± 838	23	2183 ± 516 a	2140 ± 545	25	1196 ± 367
Target present (Par-RT-target)	21	1539 ± 562 a	1422 ± 425	23	1498 ± 425 a	1416 ± 389	25	996 ± 260
Target absent (Par-RT-notarget)	21	3199 ± 1027 a	3027 ± 1286	23	2868 ± 768 a	2861 ± 793	25	1396 ± 504
Accuracy								
Total number of errors (Par-err)	20	0.45 ± 0.83	0.40 ± 0.50	23	1.35 ± 2.27	0.83 ± 1.56	25	0.48 ± 0.77
Number of omissions (Par-omis)	20	0.20 ± 0.41	0.25 ± 0.44	23	1.09 ± 2.04	0.70 ± 1.55	25	0.32 ± 0.63
<i>Serial search test</i>								
Reaction times (ms)								
All trials (Ser-RT-all)	21	5563 ± 1592 a	5258 ± 1541	23	4998 ± 2039 a	5196 ± 2269	25	3498 ± 1337
Target present (Ser-RT-target)	21	3855 ± 1472 a	3607 ± 1031	23	3602 ± 1709 a	3676 ± 1725	25	2600 ± 1321
Target absent (Ser-RT-notarget)	21	7270 ± 1891 a	6909 ± 2244	23	6394 ± 2607 a	6715 ± 3123	25	4395 ± 1474
Accuracy								
Total number of errors (Ser-err)	21	1.14 ± 1.59	1.57 ± 1.94	23	1.78 ± 2.32	1.78 ± 1.93	25	0.84 ± 1.38
Number of omissions (Ser-omis)	21	0.95 ± 1.12	1.48 ± 1.81	23	1.61 ± 2.04	1.74 ± 1.94	25	0.76 ± 1.39
Hazard perception test								
Absolute error rate	17	10.41 ± 2.43 a	9.24 ± 2.33	22	9.32 ± 2.77	8.68 ± 3.00	24	8.50 ± 2.21
Adapted error rate	17	11.65 ± 3.16 a	10.12 ± 2.69	22	10.27 ± 3.34	9.55 ± 3.35	24	9.21 ± 2.89
Risk-index	17	0.73 ± 0.16	0.74 ± 0.13	22	0.69 ± 0.21	0.74 ± 0.20	24	0.76 ± 0.18
Tracking Task								
<i>Dual task condition</i>								
Reaction times (ms)								
All stimuli (TT-RT-all)	23	1200 ± 195 a	1109 ± 155 b	21	1293 ± 286 a	1271 ± 341	25	943 ± 147

(Continued)

Table 2. (Continued)

	Training group			Waiting list control group			Healthy control group	
	n	T1 (Before training)	T2 (After training)	n	T1 (Early pre-assessment)	T2 (Before training)	n	T1
Stimuli blind side (TT-RT-blind)	23	1487 ± 267	1345 ± 239	21	1539 ± 451	1605 ± 679	-	-
Stimuli seeing side (TT-RT-seeing)	23	1014 ± 146 c	982 ± 165	21	1155 ± 271	1093 ± 248 b	-	-
Stimuli blind side-stimuli seeing side	23	473 ± 263	362 ± 246	21	384 ± 313	512 ± 514 e	-	-
Accuracy								
Number of faulty responses (TT-err)	24	0.67 ± 0.92	0.92 ± 1.02	21	1.19 ± 1.12	0.76 ± 1.14	25	0.84 ± 1.07
Number of omissions (TT-omis)	24	0.29 ± 1.00	0.08 ± 0.28	21	0.38 ± 1.12	0.57 ± 1.54	25	0.04 ± 0.20
Standard Deviation of Lateral Position (SDLP)	23	48.09 ± 9.94	50.30 ± 10.27	21	50.19 ± 10.55	47.31 ± 10.59	25	46.14 ± 6.50
<i>Mean reaction time dual task divided by mean reaction time single task (dual-to-single-task-ratio, DSR)</i>								
All stimuli (DSR-all)	23	1.27 ± 0.22 a	1.10 ± 0.19 b	20	1.17 ± 0.20 a	1.23 ± 0.22 e	25	1.00 ± 0.11
Stimuli blind side (DSR- blind)	23	1.54 ± 0.43 c	1.29 ± 0.38 b	20	1.29 ± 0.31	1.53 ± 0.63 e	-	-
Stimuli seeing side (DSR- seeing)	23	1.07 ± 0.20	1.06 ± 0.19	20	1.07 ± 0.22	1.06 ± 0.18	-	-
Obstacle course								
Digit Score	24	0.60 ± 0.31 a	0.66 ± 0.31	23	0.70 ± 0.27	0.65 ± 0.29	25	0.79 ± 0.24
Number of contacts	24	2.00 ± 1.98 a	0.88 ± 0.90 bd	23	2.52 ± 2.59 a	1.74 ± 1.60	25	0.48 ± 0.65
PPWS	24	46.36 ± 9.75 a	49.68 ± 8.35 b	23	48.33 ± 8.67 a	49.72 ± 11.02	25	57.98 ± 7.88
Questionnaires								
NEI-VFQ-25 total score	26	66.30 ± 12.56	71.98 ± 10.07 bd	23	64.10 ± 14.30	62.39 ± 15.06e	-	-
IMQ total score	26	2.48 ± 0.70	2.04 ± 0.56 bd	23	2.57 ± 0.68	2.51 ± 0.72 e	-	-
CVD total score	26	0.44 ± 0.16	0.36 ± 0.13 bd	23	0.45 ± 0.15	0.46 ± 0.16 e	-	-

^asignificant difference between the patient group and healthy control group at T1 (independent samples t-test, two-sided *P*-value < 0.050).

^bsignificant within-group difference between T1 and T2 (matched pairs t-test, two-sided *P*-value < 0.050).

^csignificant difference between training group and waiting list control group at T1 (independent samples t-test, two-sided *P*-value < 0.050).

^dsignificant difference between training group and waiting list control group at T2 (independent samples t-test, two-sided *P*-value < 0.050).

^esignificant Group (training vs. waiting list control) * Time (T1 vs. T2) interaction effect (GLM Repeated Measures, *P*-value < 0.050).

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There is an error in Table 3. The values in the row “Contrast sensitivity” are incorrect. Please see the corrected [Table 3](#) here.

Table 3. Effect sizes for within-group and between-group comparisons (Cohen's d [52]) and group*time interactions (d_{ppc2} as described by Morris [51]).

	Training vs. healthy at T1	Waiting list vs. healthy at T1	T1 vs. T2 for Training group	T1 vs. T2 for Waiting list group	Training vs. Waiting list at T1	Training vs. Waiting list at T2	Time*group Interaction
Tests for visual functions							
Visual acuity right eye (VOD)	-	-	0.08	0.45	0.01	0.27	0.29
Visual acuity left eye (VOS)	-	-	0.02	0.09	0.27	0.19	0.08
Contrast sensitivity	-	-	0.27	0.22	0.06	0.50	0.43
Functional Field Score (FFS)	-	-	0.04	0.24	0.61	0.53	0.11
Reading tests							
Radner average reading speed (wpm)	-	-	0.23	0.03	0.20	0.36	0.13
Minimal readable text size (LogRad)	-	-	0.09	0.00	0.09	0.18	0.06
Text reading speed (wpm)	-	-	0.13	0.43	0.32	0.03	0.27
Text correct answers	-	-	0.44	0.06	0.26	0.27	0.44
Basic scanning tests							
<i>Dot counting task</i>							
Reaction times (ms)							
All trials (Dots-RT-all)	0.89	0.72	0.13	0.29	0.09	0.08	0.15
Few dots (Dots-RT-few)	1.23	1.31	0.28	0.49	0.07	0.17	0.06
Many dots (Dots-RT-many)	0.66	0.53	0.06	0.23	0.13	0.05	0.17
Proportion correct answers							
All trials (Dots-correct-all)	0.87	0.62	0.23	0.18	0.05	0.17	0.24
Few dots (Dots-correct-few)	0.41	0.52	0.10	0.20	0.30	0.23	0.04
Many dots (Dots-correct-many)	0.88	0.58	0.39	0.07	0.23	0.09	0.32
<i>Parallel search task</i>							
Reaction times (ms)							
All trials (Par-RT-all)	1.97	2.22	0.14	0.19	0.28	0.12	0.15
Target present (Par-RT-target)	1.28	1.44	0.21	0.38	0.08	0.01	0.07
Target absent (Par-RT-notarget)	2.29	2.29	0.11	0.02	0.37	0.16	0.18
Accuracy							
Total number of errors (Par-err)	0.04	0.52	0.05	0.25	0.51	0.36	0.26
Number of omissions (Par-omis)	0.22	0.52	0.10	0.22	0.58	0.38	0.28
<i>Serial search task</i>							
Reaction times (ms)							
All trials (Ser-RT-all)	1.42	0.88	0.16	0.15	0.31	0.03	0.27
Target present (Ser-RT-target)	0.90	0.66	0.18	0.07	0.16	0.05	0.20
Target absent (Ser-RT-notarget)	1.71	0.95	0.14	0.18	0.38	0.07	0.29
Accuracy							
Total number of errors (Ser-err)	0.20	0.50	0.16	0.00	0.32	0.11	0.21
Number of omissions (Ser-omis)	0.15	0.49	0.24	0.08	0.40	0.14	0.24
Hazard perception test							
Absolute error rate	0.83	0.33	0.43	0.26	0.42	0.21	0.20
Adapted error rate	0.81	0.34	0.45	0.30	0.42	0.19	0.24
Risk-index	0.14	0.36	0.05	0.26	0.25	0.01	0.25
Tracking Task							
<i>Dual task condition</i>							
Reaction times (ms)							
All stimuli (TT-RT-all)	1.49	1.58	0.45	0.13	0.38	0.62	0.28

(Continued)

Table 3. (Continued)

	Training vs. healthy at T1	Waiting list vs. healthy at T1	T1 vs. T2 for Training group	T1 vs. T2 for Waiting list group	Training vs. Waiting list at T1	Training vs. Waiting list at T2	Time*group Interaction
Stimuli blind side (TT-RT-blind)	-	-	0.42	0.16	0.14	0.52	0.56
Stimuli seeing side (TT-RT-seeing)	-	-	0.21	0.47	0.66	0.53	0.14
Stimuli blind side—stimuli seeing side	-	-	0.33	0.30	0.31	0.38	0.82
Accuracy							
Number of faulty responses (TT-err)	0.17	0.32	0.22	0.29	0.51	0.15	0.66
Number of omissions (TT-omis)	0.35	0.44	0.20	0.28	0.09	0.46	0.37
Standard Deviation of Lateral Position (SDLP)	0.23	0.47	0.27	0.37	0.21	0.29	0.49
<i>Mean reaction time dual task divided by mean reaction time single task (dual-to-single-task-ratio, DSR)</i>							
All stimuli (DSR-all)	1.58	1.12	0.70	0.18	0.46	0.60	1.03
Stimuli blind side (DSR-blind)	-	-	0.45	0.35	0.68	0.48	1.31
Stimuli seeing side (DSR-seeing)	-	-	0.03	0.03	0.01	0.02	0.00
Obstacle course							
Digit Score	0.69	0.37	0.28	0.15	0.33	0.04	0.37
Number of contacts	1.04	1.10	0.66	0.36	0.23	0.67	0.15
PPWS	1.31	1.17	0.43	0.15	0.21	0.00	0.21
Questionnaires							
NEI-VFQ-25 total score	-	-	0.65	0.17	0.16	0.76	0.54
IMQ total score	-	-	0.81	0.16	0.13	0.74	0.55
CVD total score	-	-	0.55	0.07	0.09	0.71	0.56

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There are errors in S1 File. Please see the corrected [S1 File](#) here.

Supporting Information

S1 File. Individual-level data.

(XLSX)

Reference

1. de Haan GA, Melis-Dankers BJM, Brouwer WH, Tucha O, Heutink J (2015) The Effects of Compensatory Scanning Training on Mobility in Patients with Homonymous Visual Field Defects: A Randomized Controlled Trial. PLoS ONE 10(8): e0134459. doi: [10.1371/journal.pone.0134459](https://doi.org/10.1371/journal.pone.0134459) PMID: [26275160](https://pubmed.ncbi.nlm.nih.gov/26275160/)