

Supplementary Material 2

Gaze-based Attention Refocusing Training in Virtual Reality for Adult Attention-Deficit/Hyperactivity Disorder

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Supplementary Table 1: Results of mixed $2 \times 3 \times 2$ ANOVAs on CPT parameters

Supplementary Table 2: Results of Group \times Block mixed ANOVAs (2×3) on gaze parameters and Group \times Block \times Phase mixed ANOVAs ($2 \times 3 \times 2$) on saccade parameters

Supplementary Table 3: Results of mixed $2 \times 3 \times 2$ ANOVAs on EEG parameters

Supplementary Table 4: Results of mixed $2 \times 3 \times 2$ ANOVA on actigraphy parameter

Supplementary Table 5: Results of mixed 2×3 ANOVAs on experience sampling parameters

Supplementary Table 1. Results of separate Group \times Block \times Phase mixed ANOVAs ($2 \times 3 \times 2$) on Commission Errors, Omission Errors and Reaction Times of the CPT.

Condition	df	F	<i>p</i>	η_p^2
<i>Commission Errors</i>				
Block (GG)	1.04, 35.43	1.068	.312	.030
Block \times Group (GG)	1.04, 35.43	0.835	.372	.024
Phase	1, 34	3.741	.061	.099
Phase \times Group	1, 34	0.443	.510	.013
Block \times Phase	2, 68	0.214	.808	.006
Block \times Phase \times Group	2, 68	1.088	.343	.031
Group	1, 34	3.057	.089	.082
<i>Omission Errors</i>				
Block (GG)	1.28, 43.42	0.466	.545	.014
Block \times Group (GG)	1.28, 43.42	1.197	.293	.034
Phase	1, 34	9.350	.004	.216
Phase \times Group	1, 34	3.447	.072	.092
Block \times Phase (HF)	1.85, 62.82	0.338	.697	.010
Block \times Phase \times Group (HF)	1.85, 62.82	0.394	.659	.011
Group	1, 34	5.565	.024	.141
<i>Reaction times</i>				
Block	2, 68	2.616	.080	.071
Block \times Group	2, 68	0.018	.982	.001
Phase	1, 34	0.422	.520	.012
Phase \times Group	1, 34	2.258	.142	.062
Block \times Phase	2, 68	0.100	.905	.003
Block \times Phase \times Group	2, 68	0.130	.878	.004
Group	1, 34	4.372	.044	.114

Note. CPT: Continuous Performance Task, GG: Greenhouse-Geisser adjusted, HF: Huynh-Feldt adjusted.

Supplementary Table 2. Results of separate Group × Block mixed ANOVAs (2 × 3) on Gaze Parameters and Group × Block × Phase mixed ANOVAs (2 × 3 × 2) on Saccade Parameters.

Condition	df	F	p	η_p^2
<i>Distractibility score</i>				
Block (HF)	1.71, 58.17	0.193	.791	.006
Block × Group (HF)	1.71, 58.17	0.228	.763	.007
Group	1, 34	3.676	.064	.098
<i>Relative canvas gaze time</i>				
Block	2, 68	0.107	.899	.003
Block × Group	2, 68	0.655	.523	.019
Group	1, 34	3.483	.071	.093
<i>Relative distractors gaze time</i>				
Block (HF)	1.83, 62.04	0.734	.472	.021
Block × Group (HF)	1.83, 62.04	0.574	.551	.017
Group	1, 34	9.404	.004	.217
<i>Relative gaze wandering time</i>				
Block	2, 68	0.195	.823	.006
Block × Group	2, 68	0.540	.585	.016
Group	1, 34	2.577	.118	.070
<i>Average saccade durations</i>				
Block	2, 68	1.439	.244	.041
Block × Group	2, 68	1.503	.230	.042
Phase	1, 34	11.733	.002	.257
Phase × Group	1, 34	0.551	.463	.016
Block × Phase (HF)	1.84, 62.69	0.881	.412	.025
Block × Phase × Group (HF)	1.84, 62.69	0.386	.665	.011
Group	1, 34	3.897	.057	.103
<i>Number of saccades</i>				
Block	2, 68	1.919	.155	.053
Block × Group	2, 68	0.159	.853	.005
Phase	1, 34	13.870	.001	.290
Phase × Group	1, 34	2.085	.158	.058
Block × Phase	2, 68	0.023	.977	.001
Block × Phase × Group	2, 68	0.903	.410	.026
Group	1, 34	4.897	.034	.126

Note. HF: Huynh-Feldt adjusted.

Supplementary Table 3. Results of separate Group \times Block \times Phase mixed ANOVAs (2 \times 3 \times 2) on the EEG Theta/Beta Ratio.

Condition	df	F	<i>p</i>	η_p^2
<i>Theta/Beta ratio</i>				
Block	2, 68	0.752	.475	.022
Block \times Group	2, 68	2.071	.134	.057
Phase	1, 34	18.015	< .001	.346
Phase \times Group	1, 34	3.408	.074	.091
Block \times Phase	2, 68	0.131	.877	.004
Block \times Phase \times Group	2, 68	0.463	.632	.013
Group	1, 34	0.253	.618	.007

Supplementary Table 4. Results of the Group × Block × Phase mixed ANOVA (2 × 3 × 2) on Head Movements.

Condition	df	F	<i>p</i>	η_p^2
<i>Head movements</i>				
Block	2, 68	3.582	.033	.095
Block × Group	2, 68	1.449	.242	.041
Phase (HF)	1, 34	0.039	.845	.001
Phase × Group (HF)	1, 34	0.738	.396	.021
Block × Phase (HF)	1.82, 61.79	0.101	.887	.003
Block × Phase × Group (HF)	1.82, 61.79	0.540	.569	.016
Group	1, 34	16.060	< .001	.321

Note. HF: Huynh-Feldt adjusted.

Supplementary Table 5. Results of separate Group \times Block mixed ANOVAs (2 \times 3) on Parameters of Experience Sampling.

Condition	df	F	<i>p</i>	η_p^2
<i>Inattention</i>				
Block	2, 68	0.464	.631	.013
Block \times Group	2, 68	0.250	.780	.007
Group	1, 34	19.574	< .001	.365
<i>Hyperactivity</i>				
Block	2, 68	0.359	.700	.010
Block \times Group	2, 68	1.053	.354	.030
Group	1, 34	16.958	< .001	.333
<i>Impulsivity</i>				
Block	2, 68	0.742	.480	.021
Block \times Group	2, 68	0.673	.513	.019
Group	1, 34	8.764	.006	.205