## Mindful Aging: The effects of regular brief mindfulness practice on electrophysiological markers of cognitive and affective processing in older adults

Mindfulness

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## **Tests for baseline differences**

**Supplementary Table 1** Summary of tests (independent t-tests; 2-tailed) for baseline differences of control variables, with mean values (standard deviations) and respective statistical values for the comparison between MTG and BTG

	MTG (N=25)	BTG (N=25)	Statistical Values	
Age (years)	65.3 (6.0)	64.0 (6.7)	t(48) = .691	p = .493
FFMQ-total	134.8 (17.6)	137.6 (18.6)	t(48) =546	p = .587
Computer Ability	6.0 (2.5)	6.4 (2.5)	t(48) =644	p = .523
Years in education (years)	13.2 (2.7)	13.3 (3.1)	t(48) =147	p = .883
Health**	8.0 (1.3)	7.6 (2.0)	t(47) = .849	p = .400
Speed of Processing (ms)	288 (46)	300 (46)	t(48) =956	p = .344
GSE	31.1 (4.2)	33.2 (4.0)	t(48) = -1.830	p = .073
WEMWBS	54.1 (7.0)	54.6 (9.8)	t(48) =199	p = .843
Cognitive Activity	42.8 (11.4)	50.6 (18.8)	t(39.42*) = -1.764	p = .084
Physical Activity	32.5 (11.5)	33.6 (11.0)	t(48) =351	p = .727

<sup>\*</sup> Levene's test for equality of variances violated, therefore degrees of freedom were adjusted accordingly

**Supplementary Table 2** Summary of tests (independent t-tests; 2-tailed) for baseline differences of behavioural performance, with mean values (standard deviations) and respective statistical values for the comparison between MTG and BTG

	MTG (n=22)	BTG (n=22)	Statistical Values	
RT mean (ms)				_
Incongruent	835 (140)	818 (120)	t(42) = .437	p =.664
Negative	762 (118)	766 (107)	t(42) =141	p =.889
Positive	759 (110)	761 (98)	t(42) =084	p =.933
Neutral	758 (117)	761 (96)	t(42) =091	p =.928
HR (%)				
Incongruent	92.5 (8.5)	96.5 (4.2)	t(31*) = -1.993	<i>p</i> =.055
Negative	97.1 (2.6)	98.3 (2.2)	t(42) = -1.674	p = .102
Positive	97.7 (2.4)	98.6 (1.8)	t(42) = -1.351	p = .184
Neutral	97.4 (2.3)	97.9 (2.9)	t(42) =625	<i>p</i> =.536

<sup>\*</sup> Levene's test for equality of variances violated, therefore degrees of freedom were adjusted accordingly

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<sup>\*\*</sup> Only 24 participants from the MTG were included in this analysis due to missing data

## Tests for training-induced changes in control variables

**Supplementary Table 3** Summary of FFMQ, GSE and WEMWBS pre and post mean values (standard deviations) and statistical values for the time x group interactions in the ANOVA

	MTG (N=25)		BTG (N=25)		Statistical Values	
	Pre	Post	Pre	Post	F (1,48)	р
FFMQ						
Non-reacting	22.7 (5.1)	22.6 (4.8)	22.3 (3.9)	22.2 (3.4)	0.002	.967
Observing	26.5 (5.6)	28.8 (4.3)	29.5 (4.4)	28.4 (3.9)	15.907	.001
Acting-aware	27.7 (5.5)	26.5 (5.8)	27.2 (5.3)	25.8 (5.1)	0.026	.872
Describing	28.6 (5.9)	30.4 (5.0)	30.6 (5.7)	30.6 (5.5)	3.343	.074
Non-judging	29.3 (6.2)	29.8 (6.1)	28.0 (7.3)	28.3 (6.6)	0.039	.844
Total	134.8 (17.6)	138.1 (16.6)	137.6 (18.6)	135.2 (15.1)	3.204	.080
GSE	31.1 (4.2)	32.2 (3.1)	33.2 (4.0)	34.1 (4.1)	0.081	.777
WEMWBS	54.1 (7.0)	55.2 (6.6)	54.6 (9.8)	54.3 (7.4)	0.889	.351