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Brain training improves recovery after stroke but waiting list improves equally: A multicenter randomized controlled trial of a computer-based cognitive flexibility training

van de Ven, R.M.; Buitenweg, J.I.V.; Schmand, B.; Veltman, D.J.; Aaronson, J.A.; Nijboer, T.C.W.; Kruiper-Doesborgh, S.J.C.; van Bennekom, C.A.M.; Rasquin, S.M.C.; Ridderinkhof, K.R.; Murre, J.M.J.

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S3 Table. Mean (standard deviation) and repeated-measures MANOVA of the outcome measures at follow-up.

| measure | Intervention group (n = 38) | | | Active control group (n = 35) | | | Comparison | | | | | | | | | |
|--------------------------|-----------------------------|----------------|----------------|-------------------------------|---------------|---------|------------|--------------------------|---------|------------|--------------------------|---------|------------|--------------------------|---------|------------|
| | Follow-up | Pre-training | Post-training | Follow-up | Time (T0T3) | | | Time*group | | | Time (T2T3) | | | Time*group | | |
| | | | | | F $^{\alpha}$ | p-value | η_p^2 | F $^{\alpha}$ | p-value | η_p^2 | F $^{\alpha}$ | p-value | η_p^2 | F $^{\alpha}$ | p-value | η_p^2 |
| ToL (optimal - moves) | -26.9 (17.8) | -34.0 (26.0) | -29.0 (21.5) | -25.6 (19.4) | 9.2 | <.001* | .61 | F _(10 , 62) | .82 | .09 | F _(10 , 62) | <.001* | .39 | F _(10 , 62) | .11 | .21 |
| Switch RT (ms) | -321 (218) | -418 (328) | -416 (316) | -378 (293) | 6.8 | .01* | .09 | | | | 4.3 | .04 | .06 | | | |
| Switch Acc (trials) | -3.0 (3.4) | -2.2 (7.3) | -3.0 (4.9) | -3.4 (5.5) | 0.8 | .36 | .01 | | | | 0.2 | .65 | .00 | | | |
| TMT B (sec) ^b | 74.8 (37.6) | 110.5 (47.8) | 102.1 (42.3) | 87.8 (41.9) | 28.1 | <.001* | .28 | | | | 11.4 | <.01* | .14 | | | |
| TMT A (sec) ^b | 41.4 (15.1) | 57.3 (20.7) | 52.5 (24.3) | 48.4 (20.2) | 33.3 | <.001* | .32 | | | | 1.8 | .18 | .03 | | | |
| DSC online (correct) | 38.5 (8.3) | 31.7 (7.4) | 35.0 (7.8) | 34.7 (7.7) | 31.1 | <.001* | .30 | | | | 0.2 | .69 | .00 | | | |
| Corsi (span) | 7.2 (1.2) | 6.8 (1.1) | 7.0 (1.0) | 6.9 (1.1) | 0.4 | .52 | .01 | | | | 0.2 | .70 | .00 | | | |
| Click (sec) ^b | 28.7 (11.8) | 37.6 (22.1) | 30.9 (17.2) | 31.3 (17.1) | 12.7 | <.001* | .15 | | | | 0.1 | .73 | .00 | | | |
| Drag (sec) ^b | 2.1 (0.7) | 3.4 (2.1) | 2.7 (1.5) | 2.6 (1.3) | 29.3 | <.001* | .29 | | | | 3.8 | .06 | .05 | | | |
| Peg (sec) ^b | 66.2 (17.1) | 83.5 (35.9) | 71.0 (21.1) | 73.6 (22.0) | 20.5 | <.001* | .22 | | | | 2.9 | .09 | .04 | | | |

Note. Follow-up scores were only available for a selection of the tasks. Bold values are considered significant. Pre- and post-training scores of the intervention group can be found in table 4. * = remains significant after Bonferroni-Holm adjustment; b = lower values represent better performance; T0 = pre-training; T2 = post-training; T3 = 4 weeks after training completion; TMT = Trail Making Test; ToL = Tower of London; Acc = accuracy; DSST = Digit-Symbol-Coding.