Supplementary Online Material for

# Neural Effects of Short-Term Training on Working Memory

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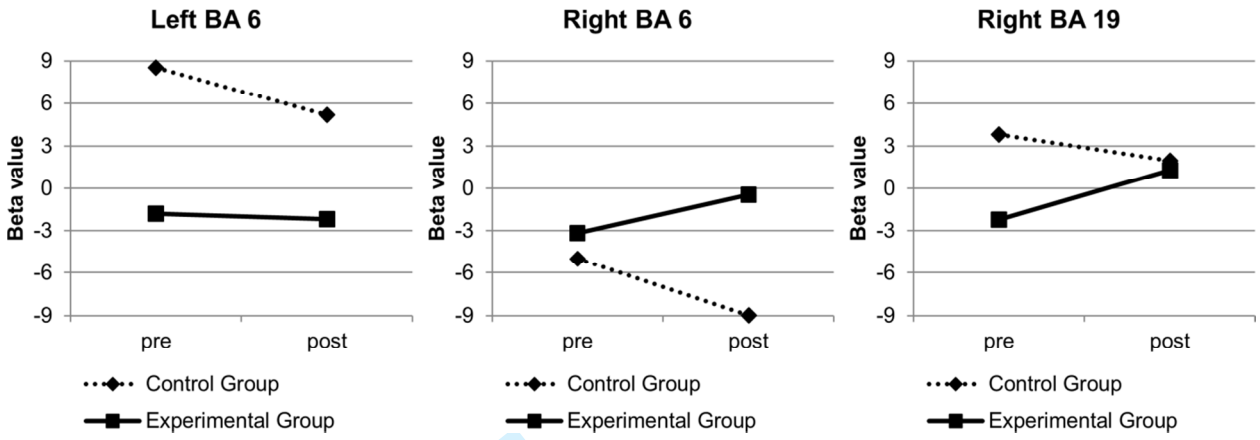


*Figure S1*. Beta values of the 4-back minus 1-back contrast as a function of group (Experimental vs Control) and test time (pre-test vs post-test).



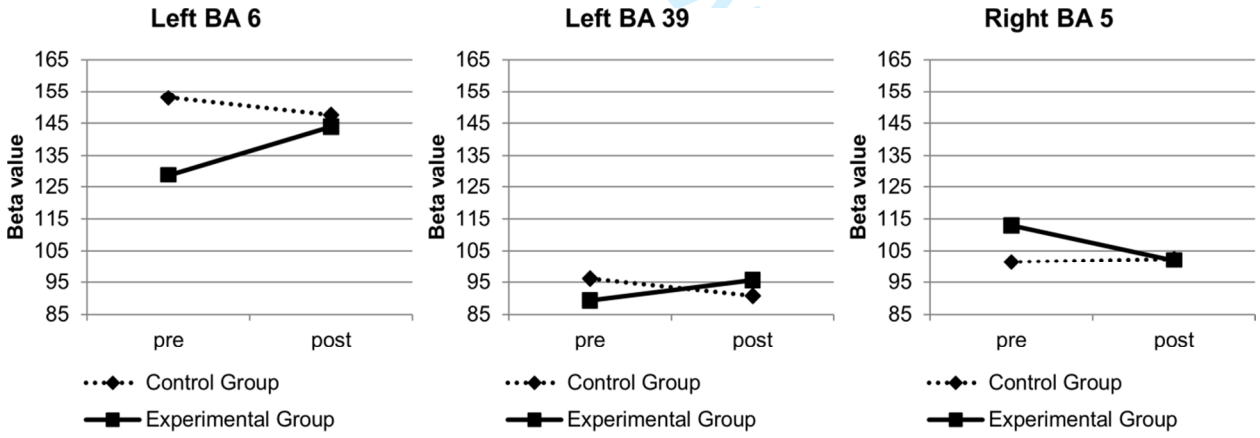


*Figure S2*. Beta values of the perfusion at rest condition as a function of group (Experimental vs Control) and test time (pre-test vs post-test).

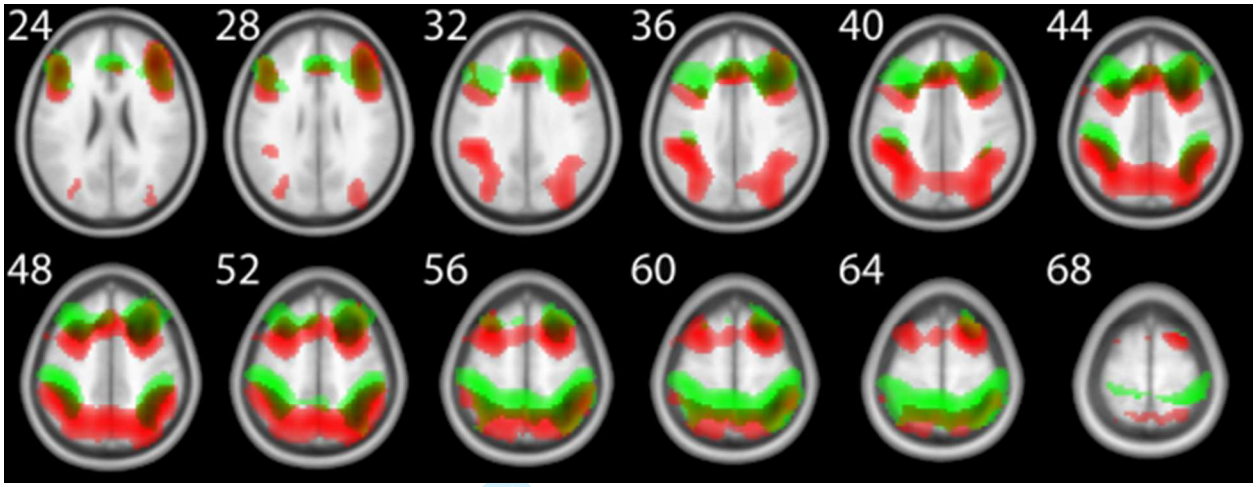


*Figure S3*. Activated brain regions *before* training. The map shows all voxels that are significantly different from zero in a *positive* direction. Red colors represent the control group, green colors represent the experimental group. The numbers next to each slice represent the z-coordinates in MNI space.



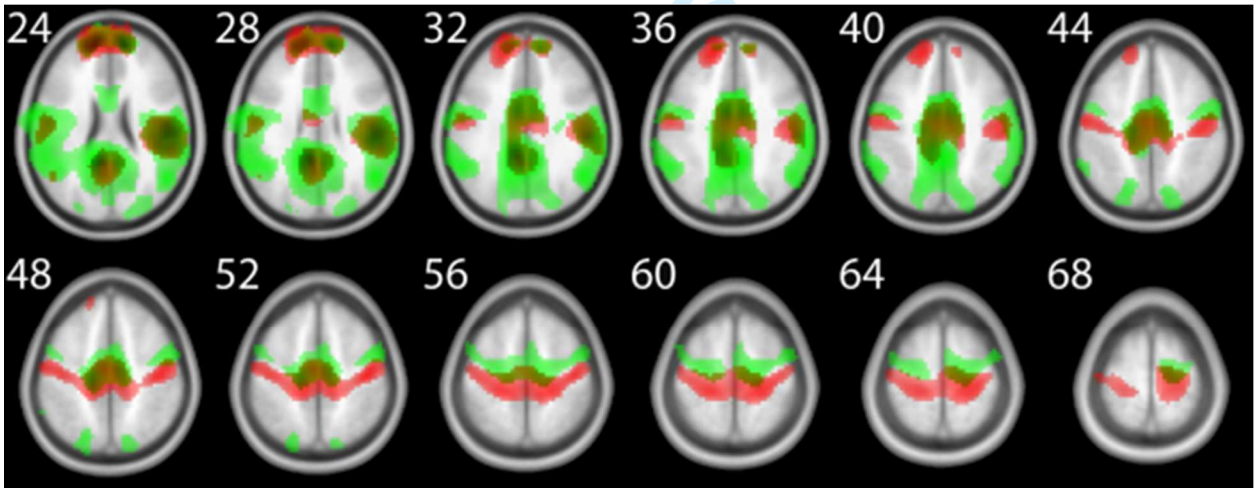


*Figure S4*. Activated brain regions *before* training. The map shows all voxels that are significantly different from zero in a *negative* direction. Red colors represent the control group, green colors represent the experimental group. The numbers next to each slice represent the z-coordinates in MNI space.

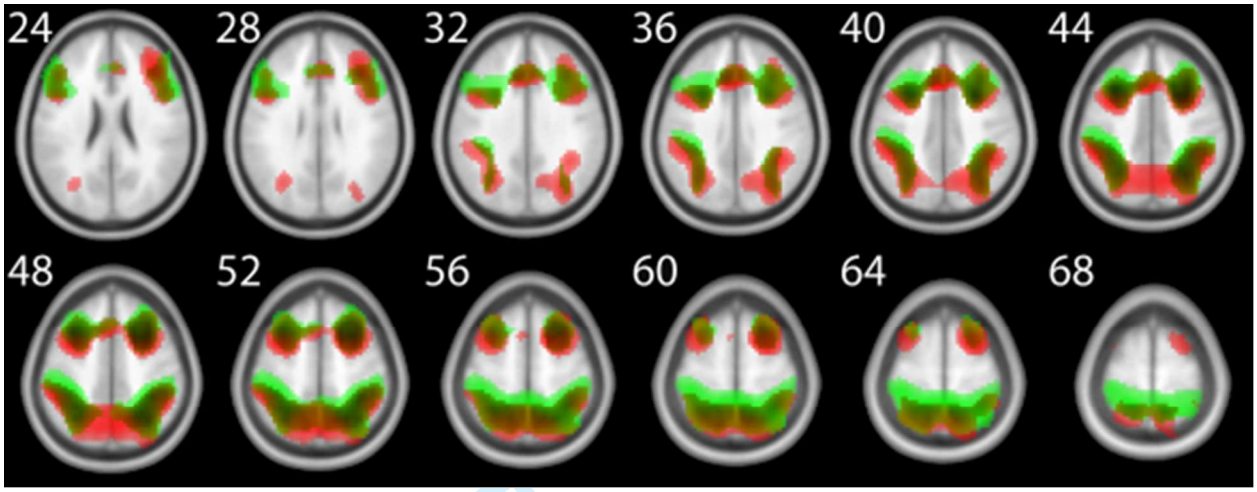


*Figure S5*. Activated brain regions *after* training. The map shows all voxels that are significantly different from zero in a *positive* direction. Red colors represent the control group, green colors represent the experimental group. The numbers next to each slice represent the z-coordinates in MNI space.

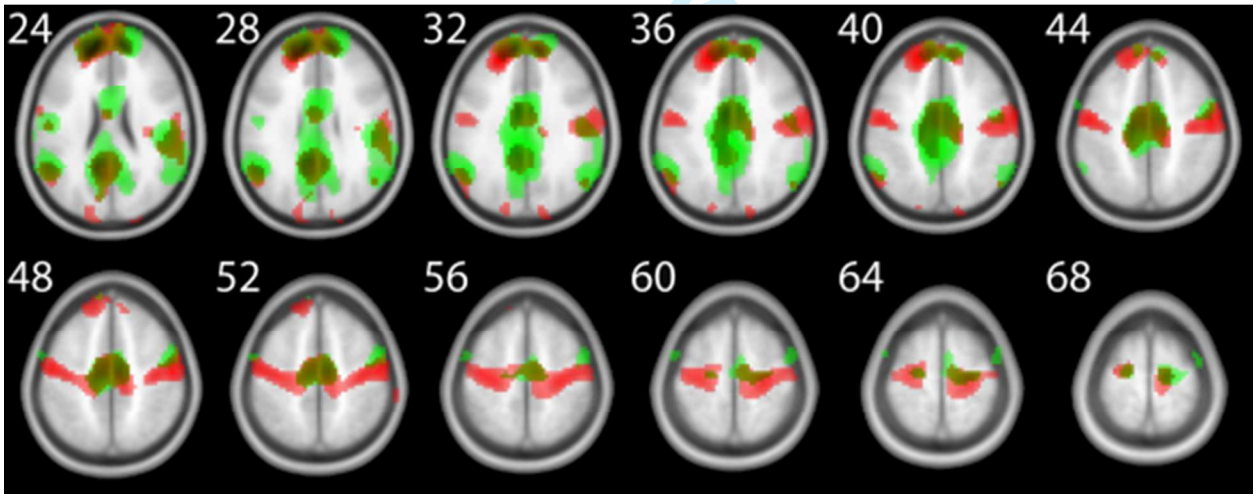


*Figure S6*. Activated brain regions *after* training. The map shows all voxels that are significantly different from zero in a *negative* direction. Red colors represent the control group, green colors represent the experimental group. The numbers next to each slice represent the z-coordinates in MNI space.