**Table S4 Changes in ToM related brain activity for ToM videos.** Clusters are whole-brain FWE corrected for multiple comparisons at p <0.001 with a cluster-defining threshold of z=2.3.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Side | | Peak voxel MNI coordinates (mm) | | | Cluster size (Voxel) | Peak z score |
|  | | x | y | z |  |
| **Brain activity for ToM videos at T1 > T2** | | | | | | | |
| *SCOTT group vs. NCT group* | |  |  |  |  |  |  |
| Cluster 1 | |  |  |  |  | 3239 |  |
| Posterior cingulate cortex | | L/R | 0 | -40 | 34 |  | 3.9 |
|  | |  | 0 | -32 | 38 |  | 3.82 |
| Precentral Gyrus | | L/R | -16 | -24 | 72 |  | 3.87 |
|  | |  | 4 | -26 | 58 |  | 3.41 |
| Precuneus Cortex | | L/R | -2 | -36 | 40 |  | 3.82 |
| *NCT group vs. SCOTT group* | |  |  |  |  |  |  |
| No significant clusters | |  |  |  |  |  |  |
| *SCOTT group* | |  |  |  |  |  |  |
| Cluster 1 | |  |  |  |  | 12964 |  |
| Posterior Cingulate Cortex | | L/R | -2 | -42 | 34 |  | 4.86 |
|  | |  | 4 | -44 | 28 |  | 4.39 |
|  | |  | 4 | -46 | 32 |  | 4.22 |
| Occipital Fusiform Gyrus | | R | 24 | -90 | -4 |  | 4.5 |
| Cerebellum | | L | -14 | -84 | -34 |  | 4.23 |
| Cluster 2 | |  |  |  |  | 6131 |  |
| Inferior Frontal Gyrus | | R | 50 | 18 | -2 |  | 4.26 |
|  | |  | 46 | 20 | -2 |  | 4.19 |
| Middle Frontal Gyrus | | R | 32 | 26 | 48 |  | 3.95 |
| Precentral Gyrus | |  | 42 | -4 | 32 |  | 3.89 |
|  | |  | 56 | 4 | 32 |  | 3.74 |
| Middle Temporal Gyrus | | R | 48 | -2 | -16 |  | 3.75 |
| Cluster 3 | |  |  |  |  | 4684 |  |
| Frontal Pole | | L | -12 | 64 | 4 |  | 4.27 |
|  | |  | -34 | 52 | 12 |  | 4.04 |
|  | |  | -38 | 52 | 12 |  | 4 |
| Dorsolateral Prefrontal Cortex | | L | -48 | 30 | 26 |  | 4.09 |
| Temporal Fusiform Cortex | | L | -30 | -32 | -26 |  | 3.89 |
| Medial Prefrontal Cortex | | L/R | -6 | 18 | 42 |  | 3.44 |
| *NCT group* | |  |  |  |  |  |  |
| No significant clusters | |  |  |  |  |  |  |
| **Brain activity for ToM videos at T2 > T1** | |  |  |  |  |  |  |
| *SCOTT group* | |  |  |  |  |  |  |
| No significant clusters | |  |  |  |  |  |  |
| *NCT group* | |  |  |  |  |  |  |
| No significant clusters | |  |  |  |  |  |  |

**Abbreviations:** NCT: Nonsocial computer training group; SCOTT: Social cognition training tool group; ToM: Theory of Mind; T1: time point 1; T2: time point 2.