**Supplementary file**

Table: Areas that are connected in patients groups compared to controls.

Results are displayed with minimum T-statistic of 3, and at least 10 voxels.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Hemisphere/anatomical location | Cluster size | T | equivZ | p(unc) | x, y, z(mm) |
| Right-HS>controls | Left cerebrum, Parietal Lobe, Precuneus, Temporal Lobe | 436 | 4.72 | 4.58 | <0.001 | -36 -74 36 |
| Left cerebrum, Frontal Lobe, Superior Frontal Gyrus, Medial and Middle Frontal Gyrus | 248 | 4.72 | 4.58 | <0.001 | -18 52 12 |
| Left cerebellum | 24 | 3.77 | 3.70 | <0.001 | -18 -42 -38 |
| Right cerebrum, Frontal Lobe, Precentral Gyrus | 24 | 3.54 | 3.48 | <0.001 | 36 -10 30 |
| Left cerebrum, Lentiform nucleus | 10 | 3.65 | 3.59 | <0.001 | -14 -2 -2 |
| Right-HS<controls | Right Cerebrum, Hippocampus, Temporal Lobe, Lateral Ventricle | 139 | 4.28 | 4.17 | <0.001 | 32 -38 6 |
| Right cerebrum, Lateral Ventricle, Corpus Callosum | 37 | 3.71 | 3.64 | <0.001 | 8 -14 24 |
| Right Cerebrum, Temporal Lobe, Middle Temporal Gyrus | 27 | 3.37 | 3.32 | <0.001 | 50 -60 6 |
| Left Cerebrum, Frontal Lobe, Sub-gyrus | 22 | 3.76 | 3.69 | <0.001 | -30 8 -16 |
| Left-HS>controls | Left Cerebrum, Frontal Lobe, Sub-gyral | 71 | 4.11 | 4.02 | <0.001 | -32 40 10 |
| Right Cerebrum, Lentiform Nucleus, Medial Globus Pallidus | 39 | 3.93 | 3.84 | <0.001 | 18 -8 0 |
| Right Cerebrum, Parietal Lobe, Precuneus | 28 | 3.70 | 3.63 | <0.001 | 16 -58 48 |
| Left Cerebrum, Frontal Lobe, Medial Frontal Gyrus | 24 | 3.43 | 3.37 | <0.001 | -8 10 50 |
| Left Cerebrum, Limbic Lobe, Frontal Lobe | 21 | 3.87 | 3.79 | <0.001 | -16 36 26 |
| Left Cerebrum, Parietal Lobe, Inferior Parietal Lobule | 14 | 3.26 | 3.21 | <0.001 | -40 -68 44 |
| Left-HS<controls | Left Cerebrum, Temporal Lobe, Middle Temporal Gyrus | 84 | 4.00 | 3.91 | <0.001 | -48 -10 -12 |
| Right Cerebrum, Temporal Lobe, Middle Temporal Gyrus | 42 | 3.51 | 3.45 | <0.001 | 48 -60 10 |
| Left Cerebrum, Caudate | 35 | 3.54 | 3.48 | <0.001 | -24 -40 10 |
| Inter-hemispheric | 14 | 3.47 | 3.41 | <0.001 | 0 14 -20 |
| MRI-Negative>controls | Right Cerebrum, Frontal Lobe, Middle Frontal Gyrus | 196 | 4.71 | 4.57 | <0.001 | 30 46 -4 |
| Left cerebrum, Limbic Lobe, Inferior Temporal Gyrus | 106 | 3.72 | 3.65 | <0.001 | -38 -16 -36 |
| Left Cerebrum, Parietal Lobe, Precuneus, Angular Gyrus | 70 | 3.44 | 3.39 | <0.001 | -38 -76 36 |
| Undefined | 66 | 3.79 | 3.71 | <0.001 | -24 -8 -44 |
| Right Cerebrum, Lentiform Nucleus, Putamen, Caudate, Lateral Globus Palidus | 59 | 3.84 | 3.76 | <0.001 | 18 4 10 |
| Undefined | 56 | 3.50 | 3.44 | <0.001 | -66 -26 -62 |
| Left Cerebrum, Lentiform Nucleus, Putamen | 50 | 3.75 | 3.68 | <0.001 | -16 0 8 |
| Left Cerebrum, Frontal Lobe, Middle Frontal Gyrus | 48 | 3.69 | 3.62 | <0.001 | -36 42 -6 |
| Left Cerebrum, Frontal Lobe | 46 | 4.52 | 4.40 | <0.001 | -30 36 12 |
| Left Cerebrum, Temporal Lobe, Sub-gyral | 38 | 3.94 | 3.86 | <0.001 | -28 6 -40 |
| Right Cerebrum, Frontal Lobe | 35 | 3.55 | 3.48 | <0.001 | 36 22 18 |
| Left Cerebrum, Frontal Lobe, Sub-gyral | 34 | 3.66 | 3.59 | <0.001 | -28 12 22 |
| Left Cerebrum, Frontal Lobe, Medial Frontal Gyrus | 34 | 3.48 | 3.42 | <0.001 | -10 46 -12 |
|  | Right Cerebellum | 31 | 3.52 | 3.46 | <0.001 | 10 -34 -22 |
| Left Cerebrum, Frontal Lobe, Middle Frontal Gyrus | 22 | 3.61 | 3.54 | <0.001 | -50 12 44 |
| Right Cerebrum, Frontal Lobe | 13 | 3.31 | 3.25 | <0.001 | 38 36 -10 |
| MRI-Negative<controls | Right Cerebrum, Temporal Lobe, Sub-gyral, Hippocampus | 54 | 4.07 | 3.98 | <0.001 | 32 -38 6 |