**Supplementary Table S1.** Location and spatial extent of activated regions based on a voxel-wise analysis for Famous minus Non-Famous name discrimination after the exercise and rest conditions. Activation maps for these regions are shown in Supplementary Figure 1 (exercise) and Supplementary Figure 2 (rest), respectively.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Participants (n = 26)** | | | | | | | |
| **Side** | **Region Label** | **BA** | **Exercise** | | | | **Rest** | | | |
|  |  |  | **x** | **y** | **z** | **vox** | **x** | **y** | **z** | **vox** |
| *Frontal & Parietal lobes* | |  |  |  |  |  |  |  |  |  |
| B | Posterior Cingulate Gyrus, Precuneus | 7, 31 | -11 | -33 | 40 | 759 | -5 | -50 | 37 | 147 |
| R | Superior Frontal Gyrus | 9 |  |  |  |  | 19 | 40 | 40 | 38 |
| L | Medial Frontal Gyrus | 8 | -15 | 17 | 22 | 265 | -5 | 64 | 11 | 91 |
| L | Inferior Parietal Lobule, Superior Parietal Lobule | 7 | -41 | -71 | 46 | 265 |  |  |  |  |
| L | Lentiform Nucleus, Thalamus, Putamen, Caudate |  | -11 | 1 | 7 | 220 |  |  |  |  |
| R | Medial Frontal Gyrus | 25 | 4 | 28 | -20 | 69 | 1 | 25 | -20 | 69 |
| L | Inferior Frontal Gyrus | 10, 46, 47 | -50 | 40 | 1 | 44 |  |  |  |  |
| *Temporal Lobes* | |  |  |  |  |  |  |  |  |  |
| L | Middle Temporal Gyrus | 21, 37 | -59 | -47 | -8 | 229 |  |  |  |  |
| L | Supramarginal Gyrus | 40 |  |  |  |  | -53 | -56 | 25 | 139 |
| R | Middle Temporal Gyrus, Supramarginal Gyrus | 21 | 55 | 4 | -23 | 101 | -62 | -23 | -17 | 22 |
| L | Anterior Cingulate, Superior Temporal Gyrus | 10 | -11 | 34 | -8 | 64 |  |  |  |  |
| L | Fusiform Gyrus | 20, 37 | -35 | -41 | -20 | 31 |  |  |  |  |
| R | Lingual Gyrus | 18 | 22 | -86 | -14 | 29 |  |  |  |  |

*Note:* Positive, right (x), anterior (y), and superior (z), representing center of mass in Talairach coordinates; BA, Broadmann area; vox, number of voxels in mm3.