

Supplementary material 2

Mean and standard deviation of MRI measures within different diagnosis groups.

| | CTL (n=340) | MCI-s (n=360) | MCI-p (n=85) | AD (n=297) |
|--|--------------|---------------|---------------|---------------|
| 3rd Ventricle | 1812 ± 682 | 1909 ± 700 | 1981 ± 667 | 2150 ± 735 |
| 4th Ventricle | 1844 ± 687 | 1789 ± 658 | 1780 ± 619 | 1807 ± 648 |
| Accumbens area | 399 ± 86 | 381 ± 90 | 349 ± 72 | 329 ± 76 |
| Amygdala | 1289 ± 188 | 1198 ± 231 | 1045 ± 202 | 1017 ± 222 |
| Brain Stem | 20443 ± 2248 | 20447 ± 2504 | 20239 ± 2288 | 19727 ± 2385 |
| Caudate | 3441 ± 529 | 3496 ± 601 | 3373 ± 502 | 3400 ± 658 |
| Cerebellum cortex | 45935 ± 4689 | 46137 ± 5478 | 45947 ± 4891 | 44825 ± 5317 |
| Cerebellum white matter | 12590 ± 1734 | 12777 ± 2028 | 12381 ± 1850 | 12227 ± 1869 |
| Corpus callosum anterior | 718 ± 132 | 710 ± 148 | 702 ± 124 | 667 ± 133 |
| Corpus callosum central | 340 ± 62 | 331 ± 63 | 326 ± 61 | 309 ± 59 |
| Corpus callosum midanterior | 337 ± 68 | 325 ± 72 | 321 ± 73 | 303 ± 68 |
| Corpus callosum midposterior | 316 ± 75 | 302 ± 69 | 294 ± 68 | 277 ± 57 |
| Corpus callosum Posterior | 863 ± 145 | 853 ± 152 | 860 ± 153 | 797 ± 139 |
| Hippocampus | 3544 ± 470 | 3191 ± 562 | 2819 ± 512 | 2660 ± 537 |
| Inferior lateral ventricle | 814 ± 551 | 1109 ± 720 | 1406 ± 739 | 1710 ± 1036 |
| Lateral ventricle | 17149 ± 9481 | 20448 ± 10865 | 22559 ± 10006 | 23990 ± 12163 |
| Pallidum | 1385 ± 174 | 1402 ± 185 | 1377 ± 175 | 1328 ± 186 |
| Putamen | 4502 ± 587 | 4458 ± 624 | 4348 ± 527 | 4225 ± 658 |
| Thalamus proper | 6264 ± 662 | 6252 ± 754 | 6186 ± 677 | 6004 ± 751 |
| Sulcal CSF | 1228 ± 345 | 1352 ± 385 | 1453 ± 450 | 1472 ± 477 |
| Ventral diencephalon | 3329 ± 376 | 3325 ± 404 | 3238 ± 347 | 3158 ± 384 |
| Banks of superior temporal sulcus | 2.25 ± 0.16 | 2.18 ± 0.17 | 2.12 ± 0.19 | 2.06 ± 0.2 |
| Caudal anterior cingulate gyrus | 2.54 ± 0.23 | 2.51 ± 0.24 | 2.53 ± 0.28 | 2.53 ± 0.27 |
| Caudal middle frontal gyrus | 2.29 ± 0.16 | 2.22 ± 0.17 | 2.2 ± 0.17 | 2.15 ± 0.2 |
| Cuneus cortex | 1.62 ± 0.1 | 1.62 ± 0.12 | 1.6 ± 0.11 | 1.6 ± 0.13 |
| Entorhinal cortex | 3.32 ± 0.33 | 3.06 ± 0.44 | 2.79 ± 0.48 | 2.65 ± 0.47 |
| Frontal pole | 2.6 ± 0.24 | 2.54 ± 0.25 | 2.5 ± 0.25 | 2.46 ± 0.28 |
| Fusiform gyrus | 2.48 ± 0.15 | 2.4 ± 0.16 | 2.33 ± 0.18 | 2.25 ± 0.21 |
| Inferior parietal cortex | 2.16 ± 0.14 | 2.09 ± 0.16 | 2.04 ± 0.18 | 1.98 ± 0.19 |
| Inferior temporal gyrus | 2.63 ± 0.15 | 2.55 ± 0.17 | 2.45 ± 0.19 | 2.39 ± 0.23 |
| Insular cortex | 2.81 ± 0.16 | 2.75 ± 0.18 | 2.71 ± 0.17 | 2.65 ± 0.23 |
| Isthmus cingulate cortex | 2.15 ± 0.17 | 2.1 ± 0.18 | 2.06 ± 0.17 | 2 ± 0.2 |
| Lateral occipital cortex | 1.95 ± 0.13 | 1.91 ± 0.13 | 1.88 ± 0.14 | 1.85 ± 0.17 |
| Lateral orbito frontal cortex | 2.44 ± 0.15 | 2.4 ± 0.16 | 2.38 ± 0.16 | 2.32 ± 0.19 |
| Lingual gyrus | 1.75 ± 0.1 | 1.73 ± 0.11 | 1.73 ± 0.11 | 1.68 ± 0.12 |
| Medial orbito frontal cortex | 2.27 ± 0.15 | 2.23 ± 0.17 | 2.18 ± 0.17 | 2.14 ± 0.19 |
| Middle temporal gyrus | 2.64 ± 0.14 | 2.54 ± 0.17 | 2.46 ± 0.19 | 2.39 ± 0.22 |
| Paracentral sulcus | 2.07 ± 0.18 | 2.02 ± 0.18 | 2.02 ± 0.19 | 2.01 ± 0.22 |
| Parahippocampal gyrus | 2.51 ± 0.28 | 2.34 ± 0.32 | 2.27 ± 0.33 | 2.17 ± 0.33 |
| Parsopercularis gyrus | 2.32 ± 0.15 | 2.28 ± 0.16 | 2.27 ± 0.15 | 2.21 ± 0.19 |

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|---|-------------|-------------|-------------|-------------|
| Parsorbitalis gyrus | 2.52 ± 0.19 | 2.46 ± 0.2 | 2.45 ± 0.19 | 2.39 ± 0.22 |
| Parstriangularis gyrus | 2.19 ± 0.15 | 2.14 ± 0.15 | 2.13 ± 0.17 | 2.1 ± 0.17 |
| Pericalcarine cortex | 1.38 ± 0.08 | 1.38 ± 0.11 | 1.36 ± 0.1 | 1.36 ± 0.11 |
| Postcentral gyrus | 1.8 ± 0.13 | 1.77 ± 0.13 | 1.76 ± 0.15 | 1.72 ± 0.14 |
| Posterior cingulate gyrus | 2.29 ± 0.15 | 2.23 ± 0.14 | 2.21 ± 0.16 | 2.18 ± 0.18 |
| Precentral gyrus | 2.19 ± 0.18 | 2.13 ± 0.19 | 2.15 ± 0.21 | 2.08 ± 0.21 |
| Precuneus cortex | 2.05 ± 0.14 | 2 ± 0.15 | 1.96 ± 0.16 | 1.91 ± 0.18 |
| Rostral anterior cingulate gyrus | 2.72 ± 0.2 | 2.68 ± 0.22 | 2.67 ± 0.23 | 2.65 ± 0.26 |
| Rostral middle frontal gyrus | 2.15 ± 0.14 | 2.1 ± 0.15 | 2.07 ± 0.15 | 2.02 ± 0.16 |
| Superior frontal gyrus | 2.47 ± 0.16 | 2.4 ± 0.16 | 2.38 ± 0.17 | 2.34 ± 0.19 |
| Superior parietal gyrus | 1.91 ± 0.14 | 1.87 ± 0.16 | 1.84 ± 0.15 | 1.8 ± 0.19 |
| Superior temporal gyrus | 2.5 ± 0.16 | 2.42 ± 0.17 | 2.35 ± 0.19 | 2.29 ± 0.21 |
| Supramarginal gyrus | 2.24 ± 0.15 | 2.19 ± 0.16 | 2.16 ± 0.18 | 2.09 ± 0.19 |
| Temporal pole | 3.56 ± 0.29 | 3.39 ± 0.35 | 3.22 ± 0.37 | 3.17 ± 0.41 |
| Transverse temporal gyrus | 2.08 ± 0.23 | 2.04 ± 0.23 | 2.03 ± 0.26 | 1.96 ± 0.29 |

Data is represented as mean ± standard deviation, *CTL* control subjects, *MCI* mild cognitive impairment, *MCI-s* stable MCI, *MCI-p* progressive MCI, *AD* Alzheimer's disease, *CSF* cerebrospinal fluid.