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| Supplementary Table 2. Correlation between EEG measurements and clinical change. |
| 　 | MADRS change | MMSE change |
| 　 | r | p | r | p |
| theta CSD in the ACC/MPFC | 0.15 | 0.62 | −0.32 | 0.32 |
| beta CSD in the FP | −0.52 | 0.066 | 0.05 | 0.88 |
| gamma CSD in the right IPL | 0.44 | 0.13 | 0.29 | 0.36 |
| theta connectivity |  |  |  |  |
|  right PCC and APFC | −0.41 | 0.16 | −0.31 | 0.33 |
| beta connectivity |  |  |  |  |
|  right insula and SPL | −0.009 | 0.98 | −0.11 | 0.73 |
|  left PCC and insula | −0.45 | 0.12 | −0.68 | 0.015\* |
|  left PCC and LTL | −0.46 | 0.11 | −0.64 | 0.024\* |

\*p <0.05 (uncorrected)

Abbreviation

MADRS: Montgomery Asberg Depression Rating Scale, MMSE: Mini-Mental State Examination, CSD: current source density, ACC: anterior cingulate cortex, MPFC: medial prefrontal cortex, FP: frontal pole, IPL: inferior parietal lobule, PCC: posterior cingulate cortex, APFC: anterior prefrontal cortex, SPL: superior parietal lobule, LTL: lateral temporal lobe