**supplementary material**

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| **Supplement 1 Difference in cortical thickness asymmetry index among LCSP, RCSP and HCs** | | | | | |
| Region | LCSP Patients N=22 | RCSP Patients N=15 | HCs N=24 | Statistics | P value |
|  |
| postcentral | 0.010±0.023 | 0.004±0.022 | -0.002±0.036 | H=1.394 | 0.498 |  |
| precentral | 0.004±0.024 | 0.023±0.030 | 0.005±0.031 | F=2.528 | 0.089 |  |