**Supplemental Information**

**Table 1 Number of participants who reported side effects under different stimulation conditions**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Side effects | Level | iTBS | ProcTBS | HD-tDCS | sham |
| Tingling | Mild | 3 | 1 | 7 | 6 |
|  | Moderate |  | 1 | 3 |  |
|  | Severe |  |  | 1 |  |
| Itching | Mild |  |  | 6 | 12 |
|  | Moderate |  |  | 8 | 3 |
|  | Severe |  |  |  |  |
| Burning | Mild | 1 |  | 4 | 2 |
|  | Moderate |  |  | 3 |  |
|  | Severe |  |  |  |  |
| Pain | Mild | 1 |  | 2 | 2 |
|  | Moderate |  |  |  |  |
|  | Severe |  |  |  |  |
| Headache | Mild | 1 | 1 | 1 | 2 |
|  | Moderate |  | 1 |  | 1 |
|  | Severe |  |  |  |  |
| Blurred vision | Mild |  |  | 1 (only during Stroop task) | 1 (only during Stroop task) |
|  | Moderate |  |  |  |  |
|  | Severe |  |  |  |  |

iTBS = intermittent theta burst stimulation, ProcTBS = prolonged continuous theta burst stimulation, HD-tDCS = high-definition transcranial direct current stimulation.