**Supplementary file 1. Maximal reported pain and time of plateau phase for individual subjects from experimental group.**

|  |  |  |
| --- | --- | --- |
| **Subjects** | **Plateau (seconds)** | **NRS max** |
| 1 | 180 | 5 |
| 2 | 180 | 4 |
| 3 | 150 | 4 |
| 4 | 120 | 4 |
| 5 | 120 | 3 |
| 6 | 150 | 7 |
| 7 | 150 | 3 |
| 8 | 150 | 6 |
| 9 | 120 | 3 |
| 10 | 120 | 5 |
| 11 | 90 | 6 |
| 12 | 120 | 1 |
| 13 | 90 | 3 |
| 14 | 150 | 8 |
| 15 | 120 | 10 |
| 16 | 180 | 4 |
| 17 | 150 | 4 |
| 18 | 120 | 4 |
| 19 | 150 | 4 |

NRS - Numerical Rating Scale

**Supplementary file 2. Results of repeated measures analysis of variance.**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Outcome** | **Main effects and interactions** | ***Df*** | ***F*** | ***p*** | ***ŋ2*** |  | **Within- and between-group planned comparisons** | ***F*** | ***p*** | ***ŋ2*** |
|  |
| TPD | Group | 2, 54 | 0.15 | 0.86 | 0.01 |  | Experimental | Assessment 1 vs. 2 | 12.64 | 0.00 | 0.19 |
| Session | 2, 108 | 4.32 | 0.02 | 0.07 |  | Sham-injection | Assessment 1 vs. 2 | 1.08 | 0.30 | 0.02 |
| Group × Session | 4, 108 | 2.38 | 0.06 | 0.08 |  | Control | Assessment 1 vs. 2 | 0.03 | 0.87 | 0.00 |
|  |  |  |  |  |  | (difference) | Experimental vs Control | 6.90 | 0.01 | 0.11 |
|   |   |   |   |   |   | (difference) | Sham-injection vs Control | 3.17 | 0.08 | 0.06 |
| PTP | Group | 2, 54 | 1.39 | 0.26 | 0.05 |  | Experimental | Assessment 1 vs. 2 | 3.19 | 0.08 | 0.06 |
| Session | 2, 108 | 0.43 | 0.65 | 0.01 |  | Sham-injection | Assessment 1 vs. 2 | 0.46 | 0.50 | 0.01 |
| Group × Session | 4, 108 | 1.21 | 0.31 | 0.04 |  | Control | Assessment 1 vs. 2 | 0.10 | 0.75 | 0.00 |
|  |  |  |  |  |  | (difference) | Experimental vs Control | 2.22 | 0.14 | 0.04 |
|   |   |   |   |   |   | (difference) | Sham-injection vs Control | 0.06 | 0.80 | 0.00 |
| TPE | Group | 2, 54 | 0.08 | 0.92 | 0.00 |  | Experimental | Assessment 1 vs. 2 | 0.06 | 0.81 | 0.00 |
| Session | 2, 108 | 3.12 | 0.05 | 0.05 |  | Sham-injection | Assessment 1 vs. 2 | 2.19 | 0.14 | 0.04 |
| Group × Session | 4, 108 | 1.18 | 0.33 | 0.04 |  | Control | Assessment 1 vs. 2 | 5.37 | 0.02 | 0.09 |
|  |  |  |  |  |  | (difference) | Experimental vs Control | 2.14 | 0.15 | 0.04 |
|  |  |  |  |  |   | (difference) | Sham-injection vs Control | 0.35 | 0.56 | 0.01 |

TPD - Two-point discrimination test, PTP - Point-to-point test, TPE - Two-point estimation test.