**Table S2 Effect of dextromethorphan on mechanical pain thresholds (in grams (g)) on (A) secondary hyperalgesia, primary hyperalgesia and healthy skin, (B) cognitive parameters (reaction and movement times, in milliseconds (ms)).**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Dextromethorphan (n=20)** | **Placebo (n=20)** | **p-value** |
| **(A) Mechanical pain thresholds** |  |  |  |
| **Secondary hyperalgesia (g)** |  |  |  |
| t0 | 39.5 ± 24.1 | 40.6 ± 29.0 | 0.842 |
| t1hr | 40.4 ± 25.1 | 37.7 ± 30.0 | 0.627 |
| t2hr | 50.0 ± 32.6 | 38.9 ± 26.0 | 0.104 |
| t3hr | 49.4 ± 25.9 | 41.3 ± 29.4 | 0.245 |
| Day 1 | 53.4 ± 22.49 | 50.3 ± 30.4 | 0.684 |
| **Primary hyperalgesia (g)** |  |  |  |
| t0 | 21.4 ± 15.7 | 31.1 ± 31.5 | 0.076 |
| t1hr | 25.9 ± 22.6 | 27.5 ± 23.1 | 0.713 |
| t2hr | 29.3 ± 21.3 | 28.3 ± 22.6 | 0.816 |
| t3hr | 27.2 ± 17.9 | 30.9 ± 23.3 | 0.426 |
| Day 1 | 29.7 ± 20.0 | 28.2 ± 26.0 | 0.744 |
| **Healthy skin (g)** |  |  |  |
| t0 | 64.8 ± 29.2 | 60.0 ± 24.4 | 0.471 |
| t1hr | 56.0 ± 21.5 | 56.9 ± 22.3 | 0.857 |
| t2hr | 54.6 ± 23.0 | 53.6 ± 22.9 | 0.869 |
| t3hr | 57.7 ± 22.6 | 52.5 ± 24.7 | 0.348 |
| Day 1 | 74.6 ± 32.9 | 63.3 ± 24.6 | 0.179 |
| **(B) Cognitive parameters** |  |  |  |
| **Reaction time (ms)** |  |  |  |
| t0 | 300.7 ± 32.4 | 317.6 ± 48.6 | 0.096 |
| t1hr | 305.4 ± 38.1 | 311.9 ± 48.2 | 0.293 |
| t3hr | 303.0 ± 35.2 | 304.0 ± 45.9 | 0.906 |
| Day 1 | 300.8 ± 29.6 | 303.1 ± 29.2 | 0.658 |
| **Movement time (ms)** |  |  |  |
| t0 | 512.3 ± 117.0 | 524.9 ± 126.7 | 0.660 |
| t1hr | 573.1 ± 130.6 | 532.7 ± 124.2 | 0.140 |
| t3hr | 541.3 ± 135.4 | 580.5 ± 203.7 | 0.402 |
| Day 1 | 514.7 ± 73.3 | 504.7 ± 88.2 | 0.629 |

No significant difference was observed between treatment groups concerning raw values of mechanical pain thresholds in secondary hyperalgesia, primary hyperalgesia, healthy skin,, and in reaction time and movement time.