**Table** (Supplemental). Treatment effect on secondary outcomes at month 4 postoperatively \*§

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| --- | --- | --- | --- | --- |
| **Secondary outcomes** | **Stimulation**  **(N=30)** | **Sham (Placebo)**  **(N=33)** | **Difference in means (Stimulation – Sham )\***  **(95%CI)** | **P-value** |
| **Brief Pain Inventory** |  |  |  |  |
| Worst pain score | 1.2 ± 2.1 | 1.9 ± 2.2 | -0.7 (-1.8, 0.5) | 0.252 |
| Average pain score | 0.3 ± 0.9 | 0.8 ± 1.7 | -0.2 (-0.9, 0.5) | 0.499 |
| Least pain score | 0.03 ± 0.2 | 0.4 ± 1.2 | -0.3 (-0.7, 0.08) | 0.118 |
| Current score | 0.1 ± 0.6 | 0.4 ± 0.9 | -0.2 (-0.6, 0.1) | 0.233 |
| Total Severity score | 1.6 ± 3.3 | 3.4 ± 5.4 | -1.4 (-3.6, 0.8) | 0.218 |
| Total interference score a | 1.6 ± 3.7 | 5.8 ± 12.3 | -3.3 (-8.2, 1.6) | 0.178 |
| Defense and Veterans Pain Rating Scale | 0.6 ± 1.4 | 1.2 ± 1.7 | -0.5 (-1.3, 0.4) | 0.273 |
| Improvement from pain treatments (%) b | 93 ± 18 | 83 ± 30 | 10 (-4.1, 25) | 0.157 |
| **WHO Quality of Life Instrument** |  |  |  |  |
| Overall quality of life | 4.6 ± 0.6 | 4.4 ± 0.8 | 0.3 (-0.1, 0.7) | 0.185 |
| General health of life | 4.3 ± 0.7 | 4.0 ± 1.1 | 0.2 (-0.3, 0.7) | 0.414 |
| Physical health | 63.3 ± 7.0 | 60.1 ± 12.0 | 2.1 (-3.0, 7.3) | 0.410 |
| Psychological | 80.9 ± 8.1 | 75.6 ± 11.3 | 5.4 (0.3, 11) | 0.039 |
| Social Relations | 92.5 ± 14.7 | 91.4 ± 13.8 | 0.3 (-6.6, 7.1) | 0.941 |
| Environment c | 78.4 ± 7.5 | 76.4 ± 11.3 | 1.7 (-2.5, 5.9) | 0.424 |
| **BPI Sensitivity analysis:** |  |  | **Median difference\*\*** |  |
| Worst pain score | 0 [0, 1.0] | 1.5 [0, 3.0] | 0 (-2.0, 0.0) | 0.120 |
| Average pain score | 0 [0, 0] | 0 [0, 1.0] | 0 (0.0, 0.0) | 0.097 |
| Least pain score | 0 [0, 0] | 0 [0, 0] | 0 (0.0, 0.0) | 0.209 |
| Current score | 0 [0, 0] | 0 [0, 0] | 0 (0.0, 0.0) | 0.053 |
| Total Severity score | 0 [0, 1.0] | 1.5 [0, 3.5] | 0 (-2.0, 0.0) | 0.087 |
| Total interference score a | 0 [0, 2.0] | 0 [0, 4.0] | 0 (0.0, 0.0) | 0.543 |
| Defense and Veterans Pain Rating Scale | 0 [0, 0] | 0 [0, 2.0] | 0 (-0.5, 0.0) | 0.107 |
| Improvement from pain treatments (%) b | 100 [95, 100] | 100 [76, 100] | 0 (0.0, 1.0) | 0.401 |
| **WHO Quality of Life Instrument** |  |  |  |  |
| Overall quality of life | 5 [4.0, 5.0] | 5.0 [4.0, 5.0] | 0.0 (0.0, 0.0) | 0.176 |
| General health of life | 4.0 [4.0, 5.0] | 4.0 [4.0, 5.0] | 0.0 (0.0, 1.0) | 0.229 |
| Physical health | 64.3 [60.7, 67.9] | 64.3 [53.6, 71.4] | 0.0 (-3.6, 7.1) | 0.942 |
| Psychological | 83.3 [75.0, 87.5] | 79.2 [66.7, 83.3] | 4.2 (0.0, 8.3) | 0.046 |
| Social Relations | 100 [91.7, 100] | 100 [75, 100] | 0.0 (0.0, 0.0) | 0.796 |
| Environment c | 81.3 [75, 84.4] | 81.3 [71.9, 84.4] | 0.0 (-3.1, 3.1) | 0.915 |
| **Postop day 1: Do you think you are receiving treatment** | 29 (97%) | 22 (96%) | 1.1 (0.3, 4.6)+ | 0.99 |
| Data are presents as mean ± SD or median [IQR].  \* Difference in means (95% CI) the stimulation vs. sham (placebo) was estimated from multivariable linear regression adjusting for baseline and imbalanced surgical side except for improvement from pain treatments (%) (i.e., 80% missing baseline).  \*\* Median difference was estimated from Wilcoxon rank sum test stratified by surgical location and the Hodges-Lehmann estimator of location shift between groups.  § All variables have 4 missing data points as patients cannot be contacted, except: a 6 missing data point, b 9 missing data points, c 5 missing data points  + relative risk | | | | |