**Table B** (Supplemental). Assessing treatment effect heterogeneity on primary outcomes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Primary outcomes** | **Stimulation**  **(N=31)** | **Sham (Placeo)**  **(N=34)** | **Ratio of Means (Stimulation/ Placeo )\***  **(97.5%CI)** | **P-value** | | |
| **Cumulative Opioid Consumption within postop 7-days (oral morphine equivalents)** | | | | |
| ***Sex*** |  |  |  | 0.610† |
| Female | 8 [0, 25] | 55 [25, 135] | 0.3 (0.1, 1.1) | 0.037 |
| Male | 5 [5, 30] | 40 [25, 75] | 0.2 (0.04, 0.7) | 0.006 |
| ***Surgical procedure*** |  |  |  | 0.990† |
| Ankle arthrodesis, ankle  arthroplasty and hallux valgus | 5 [0, 30] | 40 [20, 105] | 0.2 (0.04, 1.0) | 0.027 |
| Rotator cuff repair + few ACLR (knees) | 13 [5, 20] | 68 [40, 90] | 0.2 (0.1, 0.7) | 0.006 |
| **BPI average pain score within postop 7-days** | | | **Difference in Means \*\***  **(97.5% CI)** |  |
| **Sex** |  |  |  | 0.518† |
| Female | 1.1 ± 1.5 | 2.7 ± 2.1 | -1.9 (-3.0, -0.9) | <0.001 | |
| Male | 1.0 ± 1.3 | 3.4 ± 2.5 | -1.5 (-2.5, -0.4) | 0.006 |
| **Surgical procedure** |  |  |  | 0.626† |
| Ankle arthrodesis, ankle  arthroplasty and hallux valgus | 0.9 ± 1.3 | 3.2 ± 2.0 | -2.0 (-3.1, -0.8) | 0.001 |
| Rotator cuff repair + few ACLR (knees) | 1.3 ± 1.5 | 3.0 ± 2.5 | -1.6 (-2.6, -0.7) | 0.001 |

Data are presents as mean ± SD or median [IQR].

\* Ratio of Means (97.5% CI) of the stimulation vs. sham (placebo) was estimated from a multiple regression adjusting for imbalanced surgical location.

\*\* Difference in Means (97.5% CI) the stimulation vs. sham (placebo) was estimated from a repeated measures linear mixed model with an autoregressive correlation structure, adjusting for baseline BPI average pain score and imbalanced surgical location.

† Interaction P values