**Supplemental Digital Content 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Prevalence of Moderate to Severe Knee Pain and Average Pain with Different Cut-off Values Before and After Total Knee Arthroplasty in the Spinal and General Anesthesia Groups | | | | | |
|  | | **Spinal anesthesia** | **General anesthesia** | **OR**  **(95% CI)** | ***P* Value** |
| **Before operation** | |  |  |  |  |
| Average pain (BPI-sf) | |  |  |  |  |
|  | NRS ≥ 3 | 169/198 (85) | 159/193 (82) | 1.2 (0.7 to 2.1) | 0.425 |
|  | NRS ≥ 4 | 133/198 (67) | 132/193 (68) | 0.9 (0.6 to 1.4) | 0.796 |
|  | NRS ≥ 5 | 97/198 (49) | 98/193 (51) | 0.9 (0.6 to 1.4) | 0.724 |
| Moderate to severe knee pain (OKS) | | 153/200 (77) | 150/195 (77) | 1.0 (0.6 to 1.6) | 0.921 |
| **3 months after operation** | |  |  |  |  |
| Average pain (BPI-sf) | |  |  |  |  |
|  | NRS ≥ 3 | 79/196 (40) | 96/192 (50) | 0.7 (0.5 to 1.0) | 0.055 |
|  | NRS ≥ 4 | 46/196 (23) | 62/192 (32) | 0.6 (0.4 to 1.0) | 0.053 |
|  | NRS ≥ 5 | 34/196 (17) | 37/192 (19) | 0.9 (0.5 to 1.5) | 0.624 |
| Moderate to severe knee pain (OKS) | | 41/197 (21) | 52/192 (27) | 0.7 (0.4 to 1.1) | 0.148 |
| **12 months after operation** | |  |  |  |  |
| Average pain (BPI-sf) | |  |  |  |  |
|  | NRS ≥ 3 | 68/195 (35) | 76/191 (40) | 0.8 (0.5 to 1.2) | 0.318 |
|  | NRS ≥ 4 | 48/195 (25) | 46/191 (24) | 1.0 (0.6 to 1.6) | 0.903 |
|  | NRS ≥ 5 | 25/195 (13) | 33/191 (17) | 0.7 (0.4 to 1.2) | 0.222 |
| Moderate to severe knee pain (OKS) | | 8/196 (4) | 19/191 (10) | 0.4 (0.2 to 0.9) | 0.028 |
| Values present the number of patients/total (%). Patients assessed their average pain using BPI-sf with NRS (0 = no pain, 10 = worst imaginable pain) and their usual knee pain during the past four weeks using OKS with a 5-point scale (none, very mild, mild, moderate, and severe).  OR, odds ratio; BPI-sf, Brief Pain Inventory-short form; NRS, numerical rating scale; OKS, Oxford Knee Score. | | | | | |