**Supplementary Data**

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| **Supplementary Table 1.** Characteristics at 48 months | | | |
| **Characteristics** | **No knee replacement**  **(n = 1,054)** | **6-year knee replacement**  **(n = 65)** | **P**  **value** |
| **Age (years)** | 79.1 ± 2.6 | 79.0 ± 2.4 | 0.771 |
| **Knee pain** |  | | |
| **Infrequent** | **705 (66.9)** | **12 (18.5)** | **<0.001** |
| **Frequent** | **185 (17.6)** | **19 (29.2)** |
| **Daily** | **164 (15.6)** | **34 (52.3)** |
| **Analgesia use for joint pain (yes)** | **360 (34.4)** | **35 (53.8)** | **0.002** |
| **Previous knee replacement (yes)** | **43 (4.1)** | **9 (13.8)** | **<0.001** |
| **Body mass index (kg/m2)** | **27.1 ± 4.7** | **29.5 ± 4.5** | **<0.001** |
| All values are mean ± standard deviation for continuous variables or number and percentage for categorical variables. | | | |