**Supplementary Table 1.** Characteristics of patients with prosthetic joint infection and controls after propensity score matching based on age, sex, indication for surgery, and year of operation

|  |  |  |  |
| --- | --- | --- | --- |
| Characteristics | PJI  (n = 230) | Control  (n = 690) | SMD |
| Mean age, years ± SD | 66 ± 11 | 66 ± 10 | 0.02 |
| Female sex | 50 (114) | 50 (346) | 0.01 |
| Indication for operation |  |  | 0.01 |
| Primary OA | 80 (183) | 82 (569) |  |
| Acute trauma, hip fracture | 2 (5) | 2 (14) |  |
| Complication trauma | 4 (10) | 4 (26) |  |
| Secondary OA | 3 (7) | 3 (19) |  |
| Sequelae of childhood hip disease | 4 (9) | 3 (19) |  |
| Femoral head necrosis | 4 (9) | 4 (25) |  |
| Inflammatory joint disease | 0 (1) | 0 (1) |  |
| Other | 3 (6) | 2 (17) |  |
| Surgical approach |  |  | 0.26 |
| Direct laterala | 3 (7) | 4 (29) |  |
| Direct lateralb | 49 (112) | 37 (258) |  |
| Posterior, Moore | 47 (107) | 57 (397) |  |
| Trochanteric osteotomy | 0 (1) | 0 (1) |  |
| MIS, posterior | 0 (0) | 0 (1) |  |
| MIS, anterior | 1 (3) | 1 (4) |  |
| Implant fixation |  |  | 0.20 |
| Cemented | 70 (162) | 74 (511) |  |
| Uncemented | 2 (5) | 1 (5) |  |
| Hybrid | 18 (41) | 14 (100) |  |
| Reversed hybrid | 9 (20) | 8 (57) |  |
| Resurfacing | 1 (2) | 3 (17) |  |
| Mean year of operation ± SD | 2007 ± 1 | 2007 ± 1 | 0.02 |

Data presented as % (n) unless otherwise indicated; data for patients with PJI who underwent primary total hip replacement surgery between July 1, 2005 and December 31, 2008 and a 1:3 matched control group were extracted from the Swedish Hip Arthroplasty Registry.

aDirect lateral approach in supine position.

bDirect lateral approach in lateral position; SMD = standardized mean difference; MIS = minimally invasive surgery; OA = osteoarthritis; PJI = prosthetic joint infection.