Supplementary data

Table 4. Revision diagnosis of primary total knee replacement by surgeon preference with osteoarthritis

| Revision diagnosis          | Routinely cemented (n = 30,544) | Routinely hybrid (n = 9,079) |
|----------------------------|----------------------------------|------------------------------|
|                            | % of revisions                   | % of revisions               |
| Infection                  | 167 0.5 28.7                     | 48 0.5 30.0                  |
| Loosening/lysis            | 101 0.3 17.4                     | 23 0.3 14.4                  |
| Patellofemoral pain        | 70 0.2 12.0                      | 23 0.3 14.4                  |
| Pain                       | 56 0.2 9.6                       | 13 0.1 8.1                   |
| Instability                | 46 0.2 7.9                       | 19 0.2 11.9                  |
| Other                      | 142 0.5 24.4                     | 34 0.4 21.2                  |
| Number of revisions        | 582 1.9 100                      | 160 1.8 100                  |

Figure 4. Cumulative percentage revision of primary total knee replacement for patients aged < 65 years by sex and surgeon fixation preference in patients with osteoarthritis. HR adjusted for age, entire period:
Male RC vs male RH: HR = 1.03 (0.70–1.50), p=0.9
Male RH vs female RH: HR = 1.32 (0.82–2.12), p = 0.3
Male RC vs female RC: HR = 1.18 (0.93–1.50), p = 0.2
Female RC vs female RH: HR = 1.15 (0.79–1.67), p = 0.5

Figure 6. Cumulative percentage revision of primary total knee replacement by patella usage and surgeon fixation preference in patients with osteoarthritis. HR adjusted for age and sex, entire period:
Patella used RC vs patella used RH: HR = 0.92 (0.71–1.21), p = 0.6
Patella used RH vs no patella RH: HR = 0.83 (0.60–1.13), p = 0.2
Patella used RC vs No patella RC: HR = 0.67 (0.56–0.78), p < 0.001
No patella RC vs no patella RH: HR = 1.15 (0.91–1.44), p = 0.3