

Supplementary data

Table 4. Studies reporting survival rates after periacetabular osteotomy

| Author (year) | Number of hips (patients) | THA | Lost to follow-up hips (%) | Age at surgery mean (range) | Follow-up mean (range/SD) | Survival rate (%) |
|--------------------------------|---------------------------|----------------|----------------------------|-----------------------------|---------------------------|---|
| Steppacher et al. (2008) | 68 (58) | 26 | 5 (7) | 29 (13–56) | 20 (19–23) | 5 years: 93 10 years: 87 15 years: 77 20 years: 60 |
| Matheney et al (2009) | 135 (109) | 33 | 23 (17) | 27 (10–45) | 9 (2.2) | 5 years: 96 10 years: 84 |
| Troelsen et al. (2009) | 116 (96) | 17 | 0 (0) | 30 (14–57) | 7 (5–9) | 5 years: 91 9 years: 82 |
| Hartig-Andreasen et al. (2012) | 401 (316) | 69 | 0 (0) | 34 (13–61) | 8 (4–12) | 12 years: 75 |
| Albers et al. (2013) | 43 (42) | 3 | 4 (2) | 28 (13–44) | 11 (10–14) | 5 years: 95 10 years: 90 5 years: 86 10 years: 78 |
| | 122 (105) | 16 | | | | |
| Dahl et al. (2014) | 122 (89) | 11 | 5 (4) | 31 (13–49) | 7 (2.1) | 12 years: 85 |
| Beaulé et al. (2015) | 72 (67) | 1 | 2 (3) | 32 (14–54) | 5 (1–8.3) | 5 years: 94 8 years: 86 |
| Grammatopoulos et al. (2016) | 68 (57) | 4 ^a | 2 (3) | 25 (15–41) | 8 (2–18) | 10 years: 93 |
| Lerch et al. (2017) | 75 (63) | 42 | 6 (8) ^b | 29 (13–56) | 29 (27–32) | 30 years: 29 |
| Ziran et al. (2018) | 302 (258) | 54 | 176 (41) ^c | 33 (13–63) | 11 (2–27) | 10 years: 86 20 years: 60 |
| Wells et al. (2018a) | 154 (129) | 8 | 22 (14) | 26 (10–60) | 10 (4–20) | 5 years: 97 10 years: 95 15 years: 92 |
| Isaksen et al. (2018) | 69 (59) | 9 | 3 (5) ^c | 32 (14–44) | 7.4 (2–15) | 8 years: 84 |
| Current study | 1,385 (1,126) | 73 | 0 (0) | 32 (13–59) | 5.4 (0.03–14) | 5 years: 96 10 years: 90 14 years: 80 |

^a THA and hip resurfacing.
^b Questionnaire only.
^c Calculated on number of patients