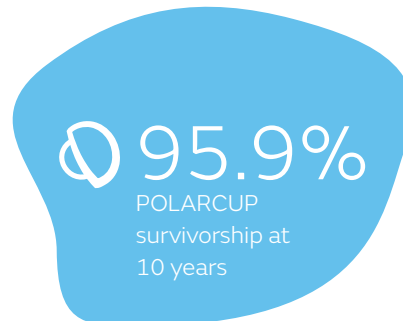


## + Evidence in focus

Publication summary: Cypres A, et al. *J Orthop Surg Res* (2019)\*

## POLARSTEM<sup>◇</sup> with dual mobility cup (POLARCUP<sup>◇</sup>) demonstrates excellent survivorship at 10 years in patients undergoing total hip replacement (THR)

### + Plus points

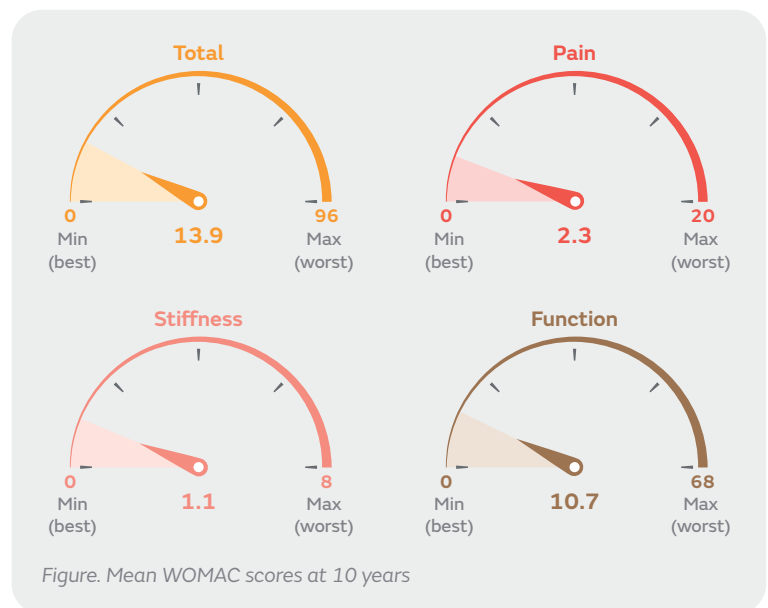


### Overview

- A multicentre retrospective evaluation of survivorship, safety and effectiveness of uncemented POLARSTEM and POLARCUP in patients undergoing primary THR between 2002 and 2005
- 502 THRs performed in 502 patients (mean age at surgery, 63.8 years; range, 29-82 years)
- 244 patients were available for 10-year follow up (mean, 11.9 years)

### Results

- Cumulative 10-year survivorship was excellent with 99.1% stem survivorship and 95.9% cup survivorship
- 4 stem revisions; fracture of the femur (4 patients)
- 17 cup revisions (15 patients); aseptic loosening (14 patients), secondary to fracture of the femur (1 patient)
- Radiographic analysis: stem subsidence (n=0), bone hypertrophy (n=0), bone atrophy (n=1), osteolysis around the stem (n=3)
- Dislocation: n=0
- At 10-year follow up, patients achieved satisfactory WOMAC scores (Figure)



### Conclusions

POLARSTEM with POLARCUP demonstrates excellent survivorship and satisfactory functional outcomes at 10 years in THR patients over a wide range of ages.

### Citation

\*Cypres A, Fiquet A, Girardin P, et al. Long-term outcomes of a dual-mobility cup and cementless triple-taper femoral stem combination in total hip replacement: a multicenter retrospective analysis. *J Orthop Surg Res*. 2019;14:376.

Available at: [J Orthop Surg Res](https://doi.org/10.1186/s13047-019-0211-1)

<sup>†</sup>WOMAC, Western Ontario and McMaster Universities Osteoarthritis Index