

Evidence in focus

POLAR3 demonstrated higher than class average patient satisfaction and improvements in patient reported outcome measures (PROMs)



Few would argue the success of modern hip replacement surgery, but as many as **10% of patients remain unsatisfied** following total hip arthroplasty (THA).¹ Increasing **patient satisfaction** is not only important for patient quality of care, but also for payers, as evidence has shown that **improving patient satisfaction** may lead to increased hospital reimbursement rates² and increased patient loyalty.³

Based on data collected by the National Joint Registry for England, Wales and Northern Ireland (NJR) and PROMs data collected by NHS Digital*, outcomes associated with the POLAR3 Total Hip Solution (combination of POLARSTEM® cementless stem, R3® cementless cup, and VERILAST® Technology for Hips†) are shown below.⁴

At 6 months post THA, patients were asked to measure how satisfied they were with the outcome of their operation

Question: How would you describe the results of your operation?

Overall, patients who received POLAR3 were **significantly more satisfied (p<0.001; Figure)** with their THA than those who had received other cementless stems in the NJR registry⁴

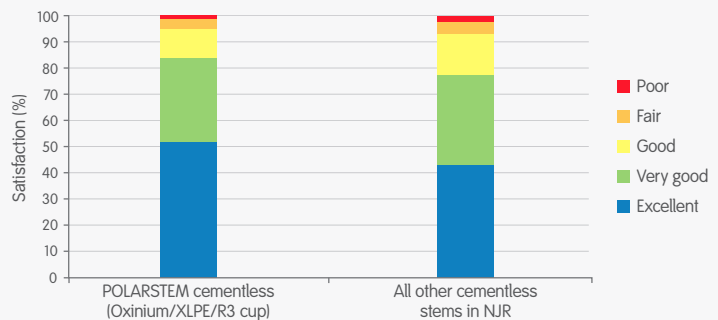


Figure. Answer to 6-months general health question: How would you describe the results of your operation?⁴ Scores are not case-mix adjusted.

PROMs data (Oxford Hip Score, EQ-5D and EQ-VAS) were collected pre THA and 6 months post THA

Patients who received POLAR3 reported **significantly better PROMs (p<0.001; Table)** than the class average for cementless stems⁴

PROMs	POLAR3	All NJR cementless stems	p value
Oxford Hip Score	22.8 (22.4–23.1)	21.2 (21.2–21.3)	p<0.001
EQ-5D	0.462 (0.451–0.473)	0.434 (0.433–0.436)	
EQ-VAS	14.2 (13.4–14.9)	11.4 (11.3–11.5)	

Table. Adjusted health gain scores (95% CI) at 6 months post THA.⁴ Using case-mix adjusted scores allows for a more accurate comparison between groups by taking into account variations in patient characteristics.

These data follow the **best in registry survivorship** of any stem-cup combination at 7 years⁵, regardless of fixation method, as well as **excellent ODEP ratings**⁶



POLARSTEM-R3 combination survivorship⁵



7A* ODEP rating for POLARSTEM cementless stem and 10A* for R3 cementless cup⁶

*NHS Digital is the national (England) information and technology partner to the health and care system. It collects PROMs for patients undergoing elective inpatient surgery for hip and knee replacement†
 †VERILAST Technology for Hips is an exclusive bearing combination of proprietary OXINIUM® and highly cross-linked polyethylene

References

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