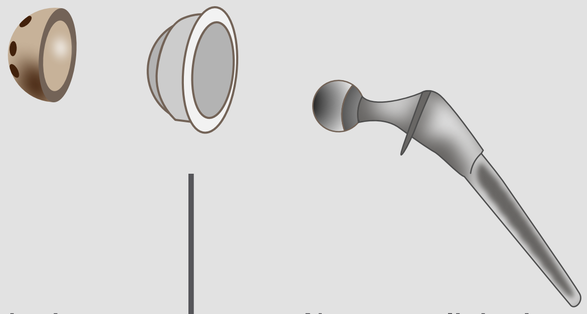
Cross-linked Polyethylene Reduces Long-term Revision Rates For Total Hip Arthroplasty

Wear of polyethylene bearing surface may limit long-term success of primary total hip arthroplasty (THA)

Comparison of long-term revision rates between...



Cross-linked polyethylene (XLPE)

VS

Non-cross-linked polyethylene (CPE)

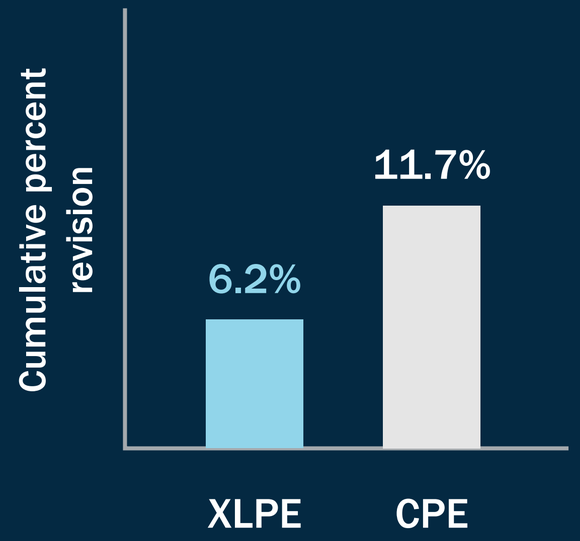
n = 199,131

n = 41,171

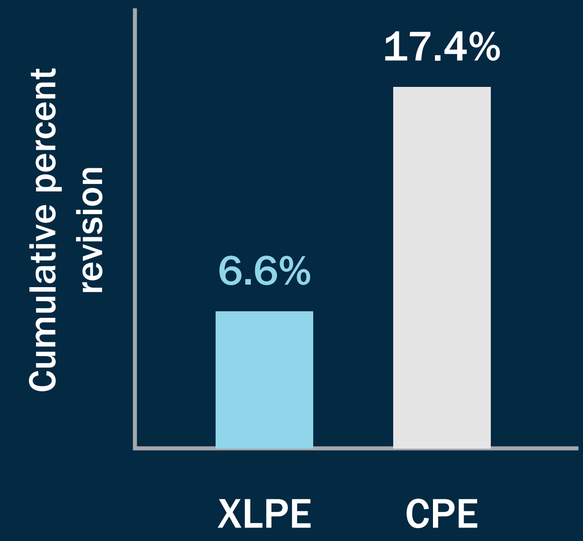
...in THA patients

Database: Australian Orthopaedic Association National Joint Replacement Registry

16-year cumulative revision rate for all patients



15-year cumulative revision rate for patients age less than 55 years



Reduced revision rates for loosening, lysis, and dislocation were noted in the XLPE group

Long-term use of XLPE resulted in fewer THA revisions and younger patients may benefit from its superior longevity

Cross-Linked Polyethylene for Total Hip Arthroplasty Markedly Reduces Revision Surgery at 16 Years

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