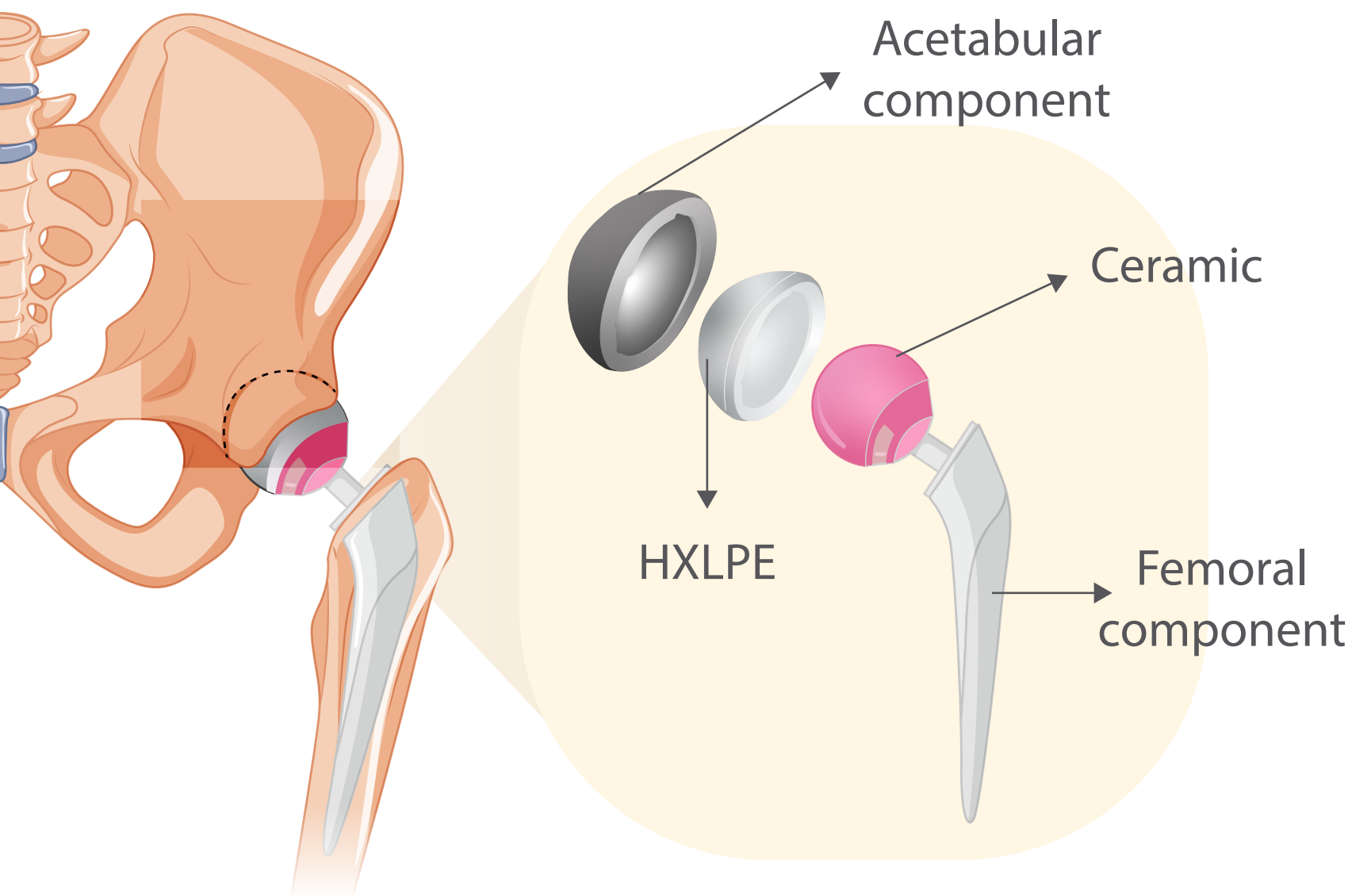


Long-Term Outcomes of Cementless Total Hip Arthroplasty in Young Patients

Cementless total hip arthroplasty (THA) using alumina ceramic-on-highly cross-linked polyethylene (HXLPE) bearings is widely used in patients <30 years old



However, there is a paucity of long-term data on fixation of the components and the prevalence of osteolysis

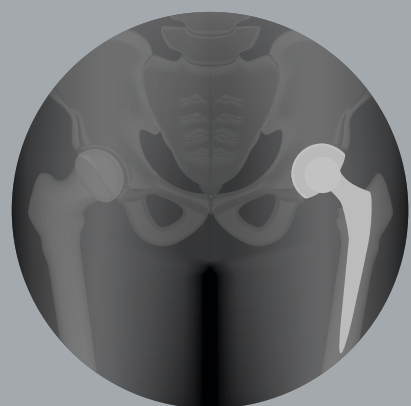


Long-term outcomes of cementless THA assessed

Medical records of 45 patients treated with alumina-on-HXLPE bearings



Clinical data



Radiography and CT scan of hip



Mean follow-up of 17.8 years

Survival rate

Femoral component

98%

Acetabular component

96%

No cases of acetabular or femoral osteolysis

	Follow-up 1 (mean 10.8 years)	Follow-up 2 (mean 17.8 years)
Harris hip scores	95	94
WOMAC* scores	11	13
UCLA** activity scores	6.7	6.5

*Western Ontario and McMaster Universities Osteoarthritis Index

**University of California Los Angeles



Cementless THA with alumina-on-HXLPE bearings in younger patients shows good long-term clinical outcomes with no evidence of osteolysis

Eighteen-Year Results of Cementless THA with Alumina-on-HXLPE Bearings in Patients <30 Years Old: A Concise Follow-up of a Previous Report

Kim et al. (2020) | DOI: 10.2106/JBJS.19.01157

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