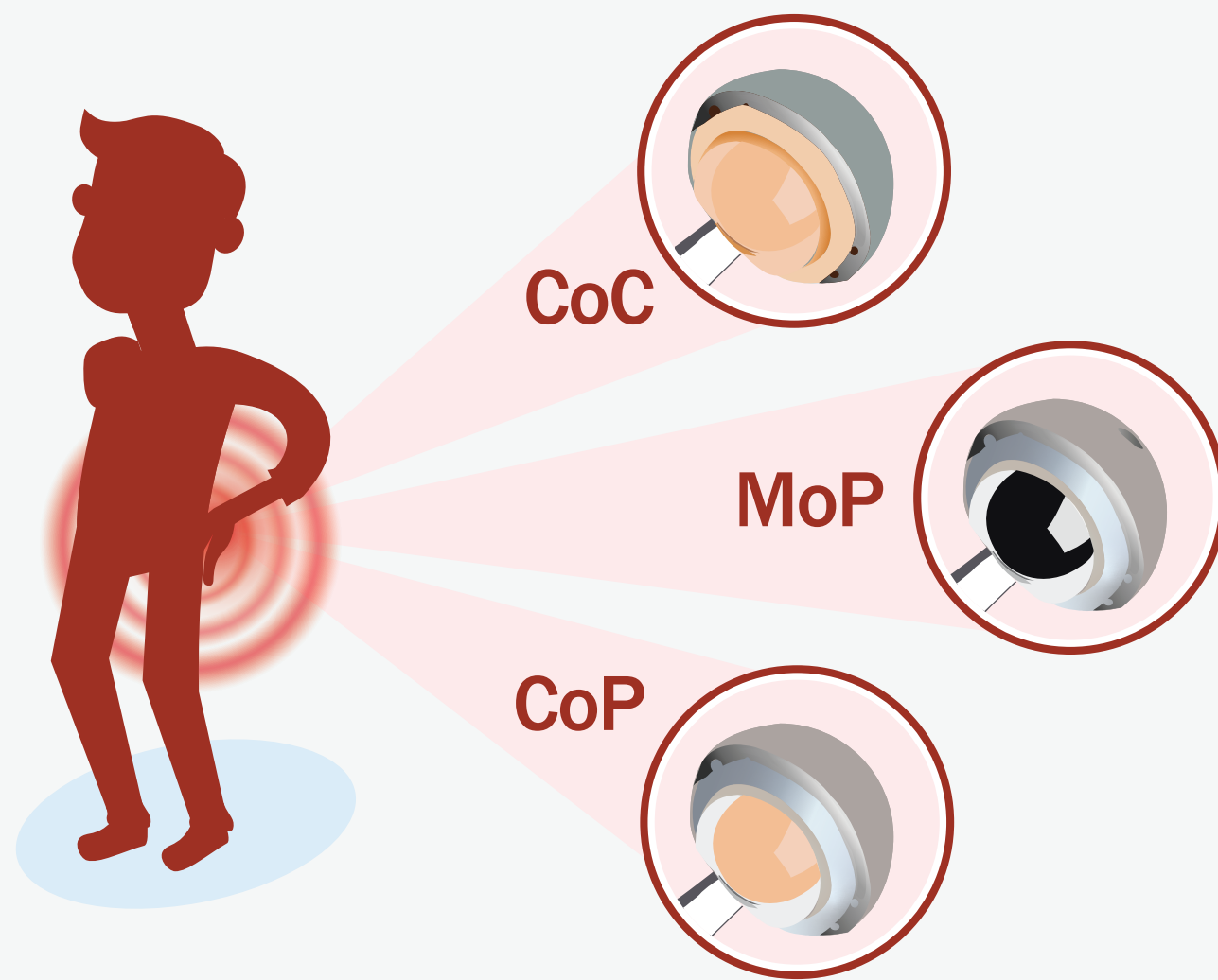


Outcomes of Primary Total Hip Arthroplasty in Patients 20 Years Old and Younger

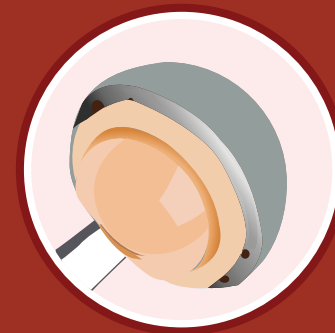
Ceramic-on-ceramic (CoC), metal-on-highly cross-linked polyethylene (MoP), and ceramic-on-highly cross-linked polyethylene (CoP) implants are commonly used for total hip arthroplasty (THA)



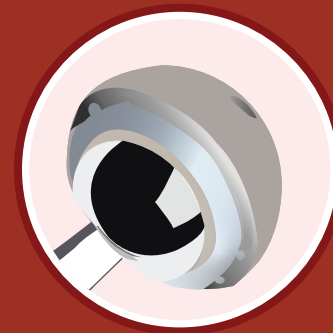
However, in patients ≤ 20 years old, there is a lack of data regarding THA with modern implants

91 THAs in 78 patients
(average age = 17 years)

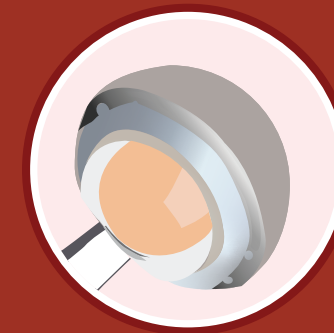
Three types of implants



CoC (58%)



MoP (31%)



CoP (11%)

Outcomes



Reoperations



Revisions

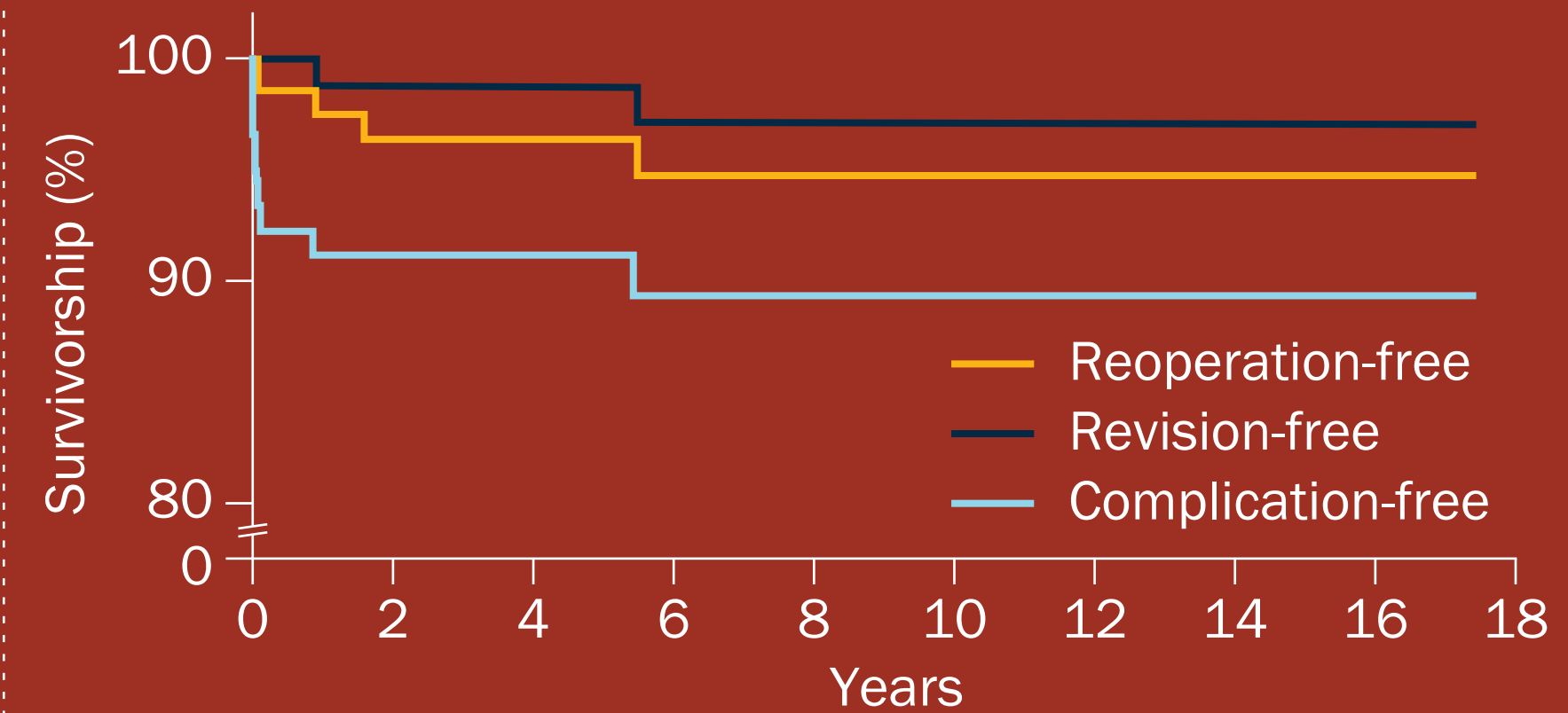


Complications



Bearing surface wear

Equivalent outcomes irrespective of implant used



8 years

At an average follow-up of 8 years, no significant difference in linear wear among bearing surfaces

Most common complications



Instability



Aseptic acetabular loosening



Postoperative foot drop



In patients ≤ 20 years old, THAs performed with use of modern implants exhibit excellent clinical outcomes and survivorship

Primary Total Hip Arthroplasty in Patients 20 Years Old and Younger

Pallante et al. (2020)

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