

Postoperative Infection after Total Hip Arthroplasty

The proportion of patients with an infection at the surgical area after primary total hip arthroplasty



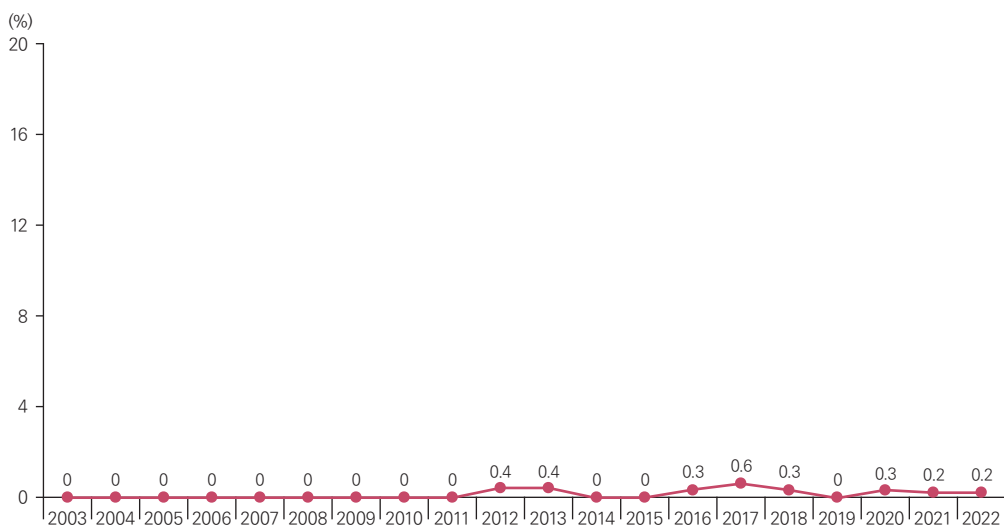
Definitions

- ◆ **Primary total hip arthroplasty:** A surgery performed for patients with degenerative arthritis at the hip joint or osteonecrosis of femoral head. The damaged joint surface is removed and the joint is reconstructed using a prosthesis.
- ◆ **Postoperative infection:** The infection at the surgical site after total hip arthroplasty.



Result

May 1, 2003 – December 31, 2022



Interpretation

- ◆ The rate of postoperative infection is one of the most serious complications after primary total hip arthroplasty, and it has been shown to be very low at $\leq 0.3\%$ in the past 5 years.



Improvement

- ◆ Thorough infection management.

Data source: SNUBH EMR (Electronic Medical Record), CDW (Clinical Data Warehouse), Department of Orthopedics Hip Surgery Registry

Postoperative Dislocation after Total Hip Arthroplasty

The proportion of patients showing a joint dislocation after primary total hip arthroplasty



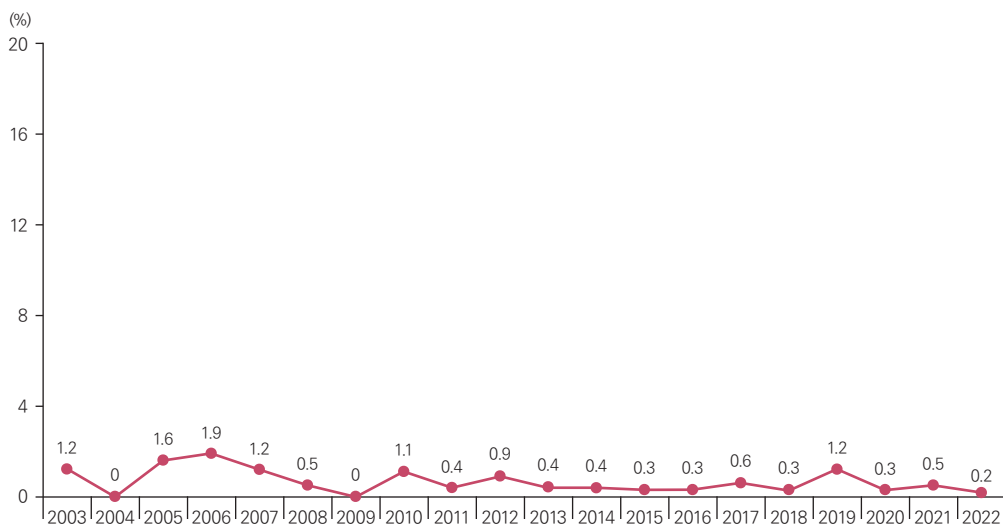
Definitions

- ◆ **Primary total hip arthroplasty:** A surgery performed for patients with degenerative arthritis at the hip joint or osteonecrosis of femoral head. The damaged joint surface is removed and the joint is reconstructed using a prosthesis.
- ◆ **Postoperative dislocation:** A case where the prosthesis is dislocated from the inserted position after total hip arthroplasty.



Result

May 1, 2003 – December 31, 2022



Interpretation

- ◆ The rate of postoperative dislocation is one of the most serious complications after primary total hip arthroplasty. It was shown to be very low at < 2%. In 2022, it was 0.2%.



Improvement

- ◆ Appropriate surgical procedure.

Data source SNUBH EMR (Electronic Medical Record), CDW (Clinical Data Warehouse), Department of Orthopedics Hip Surgery Registry