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## BACKGROUND

Total knee and hip arthroplasties are one of the most common and costly surgical procedures. They are performed to relieve pain and improve the patient's quality of life.

## PURPOSE

To describe the use of prostheses in hip and knee replacement surgery in a 1200 beds hospital.

## METHODS

- Descriptive retrospective study of the prostheses used in elective total hip and knee arthroplasties during year 2011.
- Surgical orthopaedic interventions records and Clinical Histories were reviewed.
- Variables studied: sex, age, number of total hip and knee replacements performed: primary and revision (prosthetic replacement) interventions and reasons for revision surgeries.

## RESULTS

### 94 total hip arthroplasties:

#### 80 primary surgeries (85.1%)

- Male 50%
- Female 50%
- Median age 64 years (20-84)

#### 14 revision surgeries (14.9%)

- Male 29%
- Female 71%
- Median age 75 years (46-84)
- 2 of these patients had undergone primary surgery at the same year.

### 140 total knee arthroplasties:

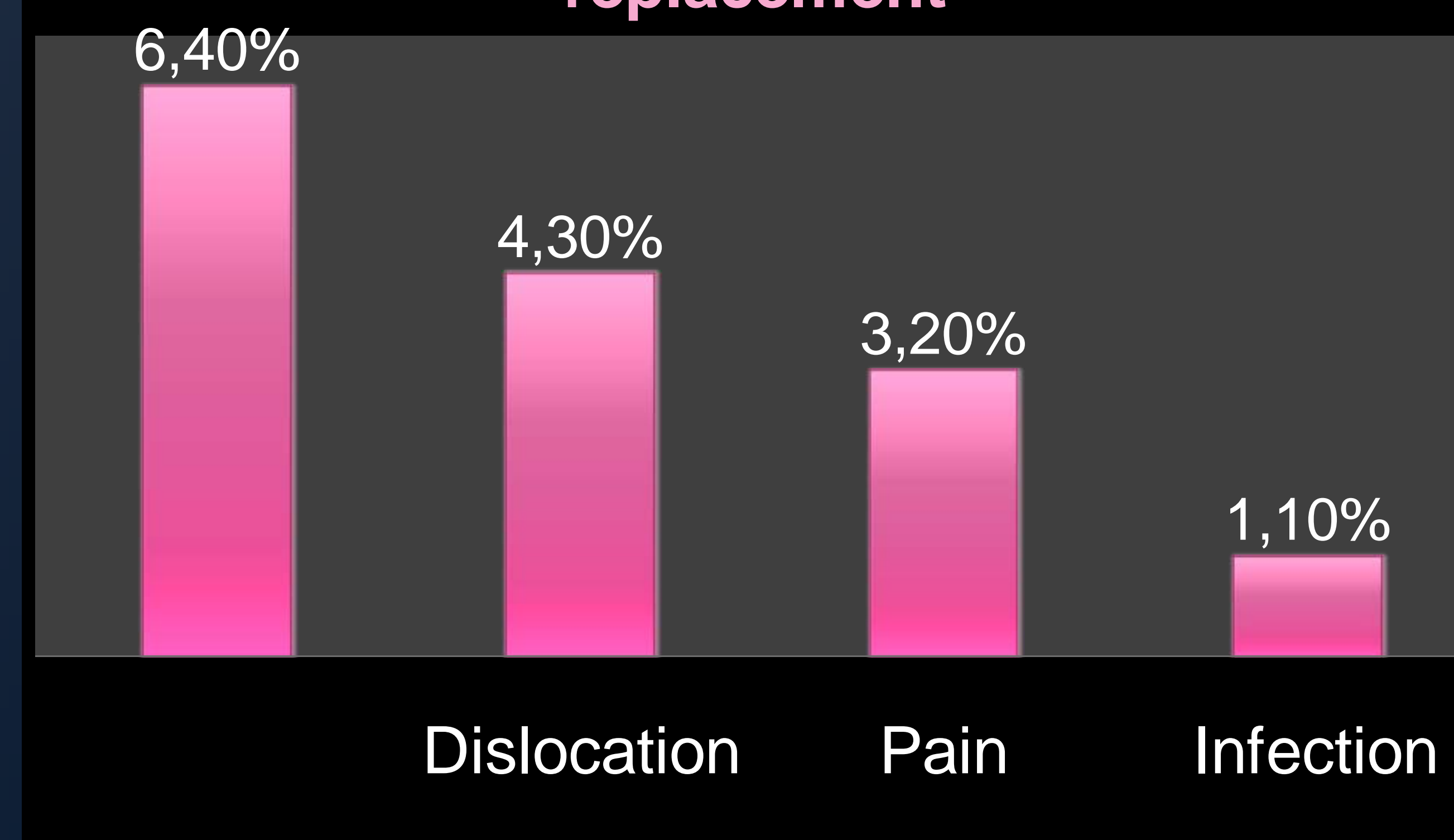
#### 125 primary surgeries (89.29%)

- Male 22%
- Female 78%
- Median age 71 years (42-87)

#### 15 revision surgeries (10.71%)

- Male 13%
- Female 87%
- Median age 72 years (65-80)

### Reasons for hip prosthetic replacement



### Reasons for knee prosthetic replacement



## CONCLUSIONS

- ✓ In most cases, both procedures are performed in patients younger than 75 years in order to improve their quality of life.
- ✓ Total knee replacement surgery is more common than hip procedure. It is mainly performed in women and revision surgeries are less likely.
- ✓ Prosthetic infection is the most important complication after surgery, but fortunately, is the less frequent cause of revision surgery