



Complications encountered postoperatively in total hip arthroplasty.

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Citation this Article: Dr. Dixit Gautam, Dr. Gurjant Singh Sandhu, Prof. Vipin Sharma, Dr Rajan Singh, Dr Varsha Patial, Dr. Mankiran Kaur, “Complications encountered postoperatively in total hip arthroplasty”, IJMSIR- January - 2022, Vol – 7, Issue - 1, P. No. 13 – 15.

Type of Publication: Original Research Article

Conflicts of Interest: Nil

Abstract

Background: Complications of total hip replacement (THR) include THA dislocation, THA Periprosthetic Fracture, THA Aseptic Loosening, and Wound Complications.

Methods: Retrospective and Prospective Study conducted at Department of Orthopedics, R.P.G.M.C. Kangra at Tanda, Himachal Pradesh

Result: In our study, we encountered complications in 12 hips including dislocation (n=6), limb length discrepancy (n=5), and infection (n=1).

Conclusion: We concluded that dislocation was common complication.

Keywords: THA, Complication, Dislocation

Introduction

The most common preoperative complaints by patients who elect to have THA are pain and loss of mobility. Therefore, the most commonly reported outcomes of THA relate to pain relief and restoration of mobility.¹

In the early years of arthroplasty, implant position on radiographs and common adverse events such as infection as well as prosthesis survival were the main issues of concern in outcome assessment.² However, as operative techniques, perioperative treatment, prosthesis design and the prevention of adverse events improved, these issues became less important and attention turned

towards clinician-administered outcome assessment tools. These incorporated measures of pain, activity and joint function (e.g., range of motion, stability) such as the Harris Hip Score (HHS).²

Complications of total hip replacement (THR) include THA dislocation, THA Periprosthetic Fracture, THA Aseptic Loosening, and Wound Complications.³

Material and method

Study area

Department of Orthopedics, R.P.G.M.C. Kangra at Tanda, Himachal Pradesh

Study design

Retrospective and Prospective Study

Study population

Patients operated by Total Hip Arthroplasty (THA) over a period of 5 years at Department of Orthopedics.

Study duration

One year (2019-2020)

Sample size

All patients operated with THA during study period

All patients fulfilling the inclusion criteria and following ethical clearance were included in the study.

Inclusion criteria:

- All patients with Primary or Secondary Osteoarthritis of hip, AVN, Ankylosing Spondylitis, Rheumatoid Arthritis, Osteoarticular Tuberculosis of Hip, Fracture Neck of Femur in select group of patients.
- Consent to participate in the study

Exclusion criteria

- Patients not fulfilling inclusion criteria
- Those who did not give consent for participation in the study

The study was initiated following approval from Institutional Ethics Committee, Dr. RPGMC Kangra at

Tanda. The patients had the right to withdraw from participation in the study any time.

Results

In our study, we encountered complications in 12 hips including dislocation (n=6), limb length discrepancy (n=5), and infection (n=1).

Table 1: Post-Operative Complications seen in this study (n=72)

Post op complication	Frequency	Percentage %
Dislocation	6	8.3
Limb length discrepancy	5	6.9
Infection	1	1.3

Discussion

We encountered complications in 12 hips including dislocation (n=6), limb length discrepancy (n=5), and infection (n=1). Pandian et al treated 45 patients and reported that 27 patients had suffered from complications. Dislocations were found in five patients (Two patients had dislocation in the immediate post-operative period, one patient had got away with closed reduction and another one had undergone open reduction, infection was the second most common (n=2), 5 had post-operative limb length discrepancy which leads to walking difficulties and preventing from returning to their job, and revision (n=3).⁴

Conclusion

We concluded that dislocation was common complication

References

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