

Modified O-K procedure in Primary osteoarthritis of the elbow

Introduction

Outerbridge-Kashiwaki (O-K) procedure is a well-known method for treating primary osteoarthritis of the elbow. However, it has been reported that the O-K procedure may lead to the formation of loose bodies in the olecranon fossa.

Materials and methods

A retrospective study was conducted on 14 patients who underwent the modified O-K procedure between 2003 and 2005. The patients were divided into two groups: 7 patients in the O-K group and 7 patients in the modified O-K procedure group. The modified O-K procedure involved the removal of the olecranon fossa and the placement of a loose body. The patients were followed up for 12 months. The Mayo Elbow Performance Score (MEFS) was used to evaluate the clinical outcomes. The MEFS scores were significantly higher in the modified O-K procedure group compared to the O-K group. The modified O-K procedure was found to be a more effective method for treating primary osteoarthritis of the elbow.

Results

The mean MEFS score in the O-K group was 16 (5~20), and in the modified O-K procedure group, it was 84 (65~100). The difference was statistically significant (p < 0.05). The modified O-K procedure was found to be a more effective method for treating primary osteoarthritis of the elbow.

Conclusion

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