Arthroscopic osteocapsular arthroplasty with mini-open ulnar nerve decompression for elbow osteoarthritis

Hoe – Jae Lee, Jun-Gyu Moon

Department of Orthopedic Surgery Korea University Guro Hospital, Seoul, Korea







DISCLOSURE

None







Elbow osteoarthritis

- Treatment options
 - Less invasive treatment is preferred to lower extremities such as knee and hip joints
 - > Arthroscopic osteocapsular arthroplasty









Purpose of the study

 To evaluate outcomes after <u>arthroscopic</u> <u>osteocapsular arthroplasty combined with</u> <u>ulnar nerve decompression</u> for the treatment of elbow OA with concomitant ulnar neuropathy





Materials

- Elbow osteoarthritis c ulnar neuropathy
 - Arthroscopic oseteocapsular arthroplasty
 - Mini-open Ulnar nerve decompression

F/U > 1 years

22 Cases







Arthroscopic procedures

- 1. Osteophyte
- 2. Capsule contracture
- 3. Loose bodies







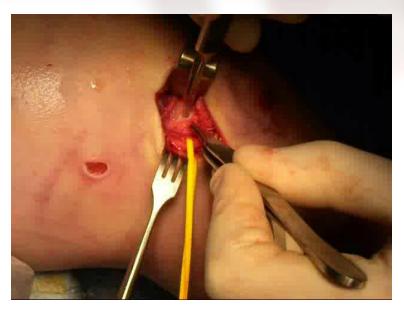






Mini-open Decompression











Measurements

Clinical outcomes

Function : VAS, ROM,

Mayo Elbow Performance Index (MEPI) McGowan stage Modified Bishop score Complications







Clinical outcomes

Mayo Elbow Performance Index (MEPI)

Pre OP	Post OP
67.2 ± 10.2	85.3 ± 9.6

P-value 0.03







Clinical outcomes

Modified Bishop score: 7.1 ± 2.4

Excellent10 (45%)Good7Fair3Poor

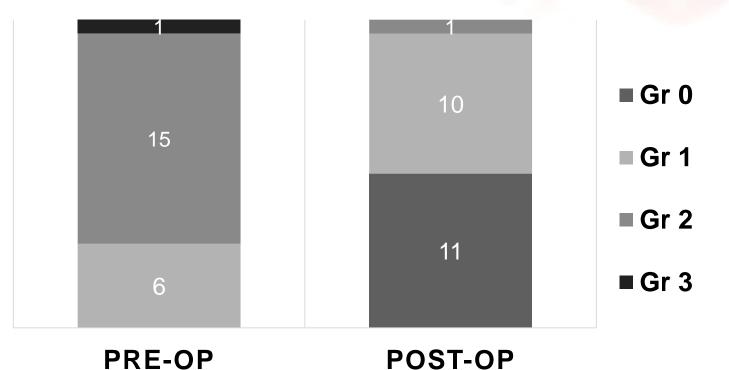






Radiologic outcomes

Broberg and Morrey grading







Conclusion

Miniopen ulnar nerve decompression was safe and effective procedure and can be indicated for ulnar neuropathy in the setting of elbow osteoarthritis.





References

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