

◀심포지움 III (Rotator Cuff) 17:30 ~ 17:40▶

## Complications in Rotator Cuff Surgery

김 승 기

가톨릭의대

### # Introduction

Success and failure of rotator cuff repair, like success and failure in life, are perceived phenomenon based on subjective impressions generated to a large degree by the subjects' and their observers' expectations. The rate of overall patient satisfaction after primary repair of the rotator cuff has been reported to be as high as 91% in a series of 340 shoulders. Improved surgical techniques have been largely responsible for this success. However, surgical repairs can be fail. These failures present diagnostic and therapeutic challenges, because they have multiple causes.

### # Etiology

Incorrect Diagnosis

Inadequate Surgery

Intraoperative Complication

Postoperative Complication

Errors in Rehabilitation

### # Incorrect Diagnosis

#### 1. Extrinsic Shoulder Pathology

- Brachial plexopathy
- Cervical radiculopathy
- Long thoracic neuropathy
- Neoplasm
- Reflex sympathetic neuropathy
- Spinal accessory neuropathy
- Suprascapular neuropathy
- Thoracic outlet syndrome

#### 2. Intrinsic Shoulder Pathology

\* Intra-articular

- Adhesive capsulitis
- Articular cartilage defect

- Bicipital tendinitis
- Instability
- Labral tears
- Osteoarthritis
- \* Extra-articular
- AC arthropathy

#### # Inadequate Surgery or Inadequate Decompression

#### # Intraoperative Complications

- Fracture of the acromion
- Detachment or denervation of the deltoid
- Failure to preserve the CA arch in pts who have an irreparable tear

#### # Postoperative Complications

- Infection
- Heterotopic Ossification
- Frozen shoulder
- Recurrent tearing

#### # UijongBu Series

- From March 1993 To March 1998
- 91 Rotator Cuff Surgery
- Complication
  - 1 Incorrect Diagnosis(Additional Bicipital tendinitis)
  - 1 Inadequate Decompression(after Arthroscopic Acromioplasty)
- No Intraoperative Complications
- 5 Postoperative Complications
  - 1 Heterotopic Ossification(Asymptomatic)
  - 2 Stiff Shoulder requiring manipulation
  - 2 Recurrent Tearing(One patient required surgery)

#### # Conclusion

There are many potential causes of failure of rotator cuff repair. The categories of incorrect diagnosis, inadequate surgery or rehabilitation, and intraoperative or postoperative complications are convenient for classification, but it must be remembered that there may be several causes of failure in any given patient.