

Rotator Cuff Tear: Decision Making

*

1997 9 2004 5 가
 5000 . 가 .
 1037 22% 가 .
 1004 21% 가 .
 1997 158 가 가
 41 , 1999 .
 120 , 42 , 2001 .
 186 , 72 .
 2003 155 , 가
 125 . 가
 2004 . 가 가 .
 가 가 .
 가 (tuberoplasty)
 가 (latissimus dorsi transfer)
 가 .
 aging process 가 ,
 가 20 ~ 65%

1

plung mechanism force-cou , OS
가 acromionale, 가

making 가 decision- 가

가 가
(mechanical impingement)
(structural factor)
(rotator cuff dysfunction)
(fatigue) (dynamic factor) 가

- Selection of patient and decision of operation
- RCT with stiff shoulder/asso. with dislocation /RCT with cervical lesion
- Open/mini-open/arthroscopic surgery
- Acromioplasty/acromion debridement
- Biceps/AC resection
- Double row/single row
- Partial repair/medialization/complete repair
- Tuberopecty/LD transfer/reversed type arthroplasty

가

Decision of operation

1. Errors in diagnosis: FS, internal impingement syndrome, microinstability
2. Overlook in diagnosis: cervical radiculitis, brachial plexopathy
3. Unintentional care: stiff shoulder, os acromionale, arthritis
4. Inappropriated treatment: conservative/operative
5. Unskilled technique: arthroscopic/mini-open/open

5). 가

가

“active

가 extension”

6

3 . Bankart
 3 posterior mechanism 가
 가
 3 2.5 mg 가 3
 6 . 4~6
 가
 가

가 . “Work compensation” RCT with cervical spine lesion

RCT with stiff shoulder

가

가 가

³⁾

가

⁶⁾

⁷⁾

. 6

manipulation

Open/mini-open/arthroscopic surgery

가

가

가

²⁾

RCT associated with dislocation

가

modified Neviaser portal
Banana SutureLasso (Arthrex,
Naples, FL) retrograde
suture passage

가 가

anterior, central, posterior
cuff

가

50%
tenotomy¹⁵⁾

tenodesis¹⁶⁾

Acromioplasty/acromion debridement

가

compression

extrinsic

impinge
eccentric tendon overload
intrinsic tendinopathy가

가

8,9)

가

가

가

Biceps/A resection

가

Speed

Double row/single row

, Yergason 가

single

row
foot print
ble row

point fixation
point fixation

. Dou-

가 가

load
double row

90%

10)

single row
¹¹⁾

90%

double row

가

transosseous fixation
row

single

double row

.

가

Tuberoplasty/LD transfer/reversed type
arthroplasty

가

double

row

“ kissing phe-

Partial repair/medialization/complete
repair

nomemon”

가

가

tuberoplas

ty¹²⁾, latissimus dorsi transfer¹³⁾, reversed
type arthroplasty¹⁴⁾

가

reversed acromioplasty

(abduction brace)

⁴⁾

edge stability
bridge

suspension

“ Kiss-

5~10 mm

medialization

ing phenomenon”

reversed type arthroplasty

가

. Delta type

“ U-shaped”

margin con-

“ L-shaped”

vergence . Side-to-side suture

margin convergence

가

complete repair

가

가

par-

tial repair

medialization

가 가

가

가 가
 가 6
 가 가
 가 가
 가 가
 가 가

REFERENCE

- 1) **Rhee YG**: The shoulder: Diagnosis and treatment. *Young Chang Co.* 2003.
- 2) **Matsen FA III, Lippitt SB**: Shoulder surgery: Principles and procedures. *Saunders*, 2004.
- 3) **Neer CS**: Shoulder reconstruction. Philadelphia, *WB Saunders*, 1990.
- 4) **Craig EV**: The shoulder: Master techniques in orthopaedic surgery, *Lippincott W&W*, 2003.
- 5) **Williams GR, Rockwood CA, Bigliani LU, Iannotti, Stanwood W**: Rotator cuff tears: Why do we repair them? *J Bone Joint Surg Am.* 86:2764-2776, 2004.
- 6) **Park TS, Kim TS**: Comparative study of arthroscopic treatment of full thickness rotator cuff tear with or without frozen shoulder, 2004.
- 7) **Hawkins RJ, Bilco T, Bonutti P**: Cervical spine and shoulder pain, *Clin Orthop* 258:142-147, 1990.
- 8) **Goldberg BA, Lippitt SB, Matsen FA III** : Improvement in comfort and function after cuff repair without acromioplasty. *Clin Orthop* ; 390: 142-150, 2001.
- 9) **Gartsman GM, O'Connor DP**: Arthroscopic rotator cuff repair with and without arthroscopic subacromial decompression: A prospective, randomized study of one-year outcomes. *J Shoulder Elbow Surg* 13:4, 424-426, 2004.
- 10) **De Beer J, Berghs B, van Rooyen K**: Arthroscopic rotator cuff repair by footprint reconstruction. In: 19th Annual San Diego meeting syllabus. 425-431, 2002.
- 11) **Galatz LM, Ball CM, Teefey SA, Middleton WD, Yamaguchi K**: Complete arthroscopic repair of large and massive rotator cuff tears: Presented at the Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas, TX, 719, January 2002.
- 12) **Scheibel M, Lichtenberg S, Habermeyer P**: Reversed arthroscopic subacromial decompression for massive rotator cuff tears. *J Shoulder Elbow Surg* 13:3, 272-278, 2004.
- 13) **Gerber C, Vinh TS, Hertel R, Hess C**: Latisimus dorsi transfer for the treatment of massive rotator cuff tears. *Clin Orthop* 232:51-61, 1988.
- 14) **Grammont PM, Baulot E**: Delta shoulder prosthesis for rotator cuff rupture. *Orthopedics* 16:65-68, 1993.
- 15) **Walch G, Nove-Josserand L, Boileau P et al.**: Subluxations and dislocations of the tendon of the long head of the biceps. *J Shoulder Elbow Surg* 7(2): 100-108, 1998.
- 16) **Boileau P, Krishnan SG, Coste JS et al.**: A new technique for tenodesis of the long head of the biceps using bioabsorbable screw fixation. *Tech Shoulder Elbow Surg* September, 2001.