

# Arthroscopic Mumford

\*

*Arthroscopic mumford*

*conservative*

*Range of motion*

*Arthroscopic mumford*

*paired-t test*

*McNemar*

/

*ROM*

*(P < / )*

*Internal rotation*

*Abduction Flexion*

*(P < / )*

*External rotation*

*Arthroscopic Mumford Procedure :*

(Acromio clavicular) AC

diarthrodial

( )

( ) .( )

.( ) Impingement AC

AC ( )

Flatow .( )

.( )

/

.( )

NSAID

( labrum ) .( )

AC

.( ) MRI

AC

.( )

.( ) AC Flexion Range of motion

Abduction

burr Internal rotation

.( ) External rotation

Snyder mumford

.( ) ( )

.( ) % % .( )

Snyder mumford

AC

( ) Snyder .( )

(% )

AC

.( )

AC open

AP)

( Tangential view

( )

AC

( )

DJD

beach chair

• (MRI )

$\frac{1}{1000}$

( )

( )

Flexion (ROM)

External rotation Internal rotation Abduction

( )

resect

Internal rotation Abduction Flexion

External rotation

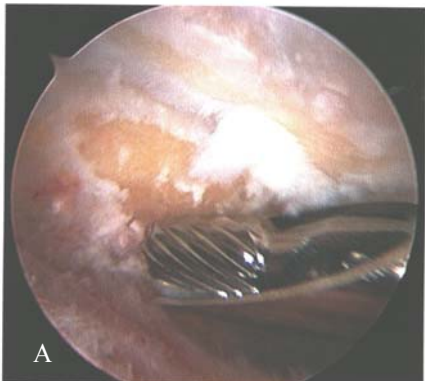
AC

( )

( )

(G A)

ROM

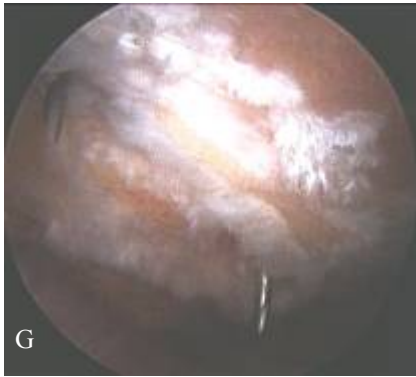


DJD AC

AC

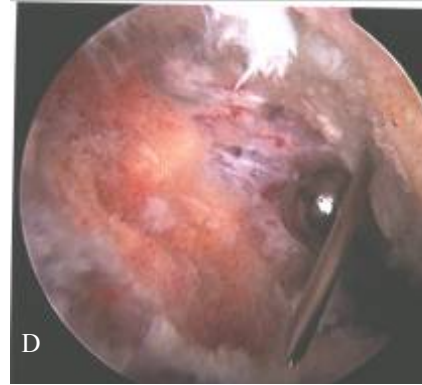
Impingement

positive abduction sign



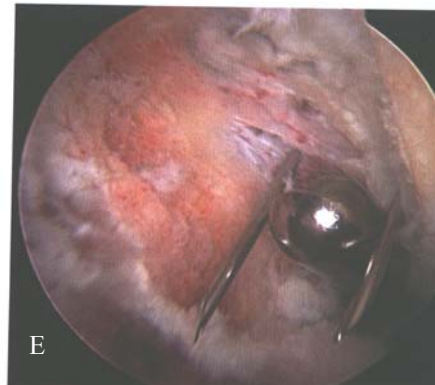
(E A)

(G F) AC



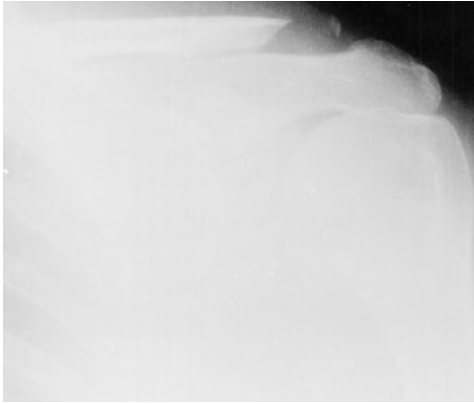
AC

expose



AC

/



( Type Ia )



( Type Ib )

Forward elevation Adduction

AC

ROM

sling

Pendulum

pulling overhead lifting

Abduction pillow

( )

Rom

(strength)

ROM

paired-t test

McNemar



spike

lateral spike

( type II)

( / )

( / )

/ cm

AC

Flexion

Internal rotation

Abduction

External rotation

/

( / )

/

External rotation

/

( / )

paired-t test

Type Ia

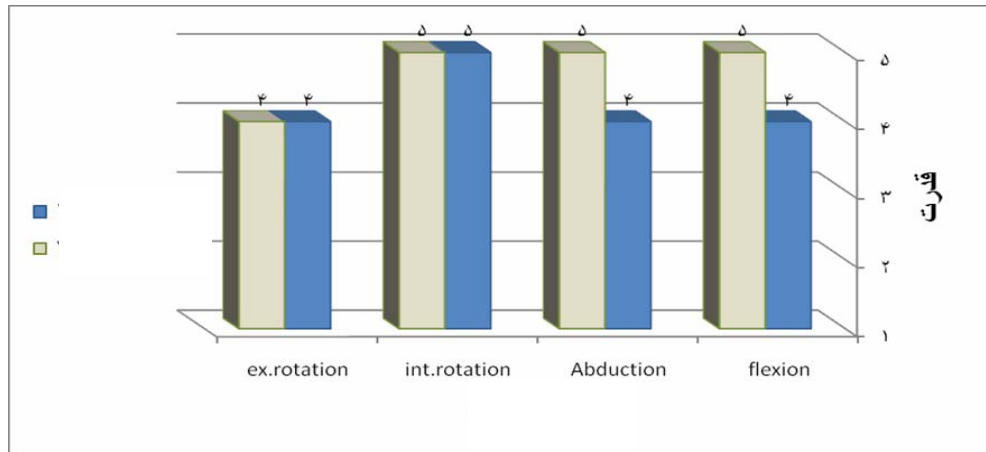
(P < / )

Type Ib

( / )

ROM

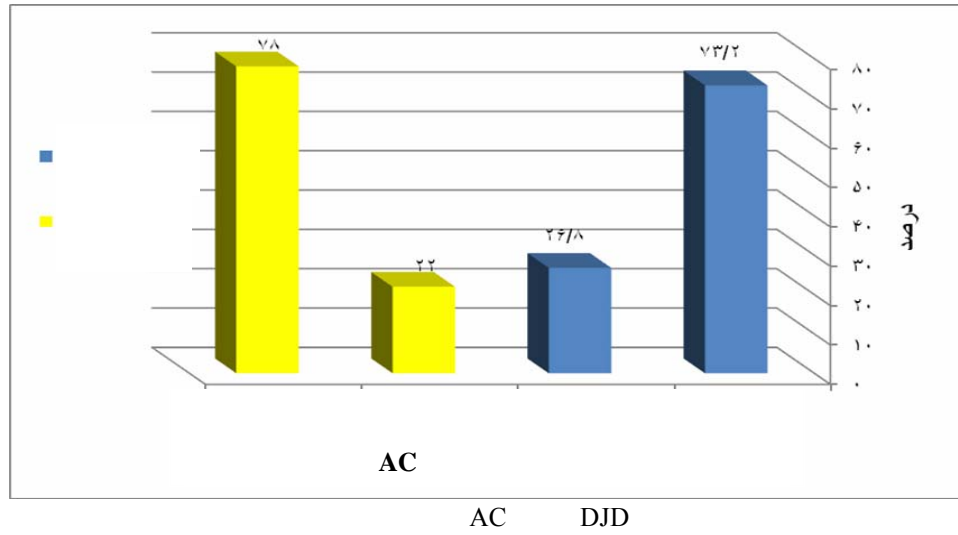
|     | degree | degree |                   |
|-----|--------|--------|-------------------|
| +   | ( - °) | ( - °) | Flexion           |
| +   | ( - °) | ( - °) | Abduction         |
| / + | ( - °) | ( - °) | Internal rotation |
| / + | ( - °) | ( - °) | External rotation |



### McNemar

( $P < /$  ).

| AC  |     |     |
|-----|-----|-----|
| (%) | (%) | (%) |
| ( ) | ( ) | ( ) |
| ( ) | ( ) | ( ) |
| ( ) | ( ) | ( ) |



AC

( )

AC

( )

AC

( )

MRI

ROM

( )

( ) ( )

( ) motion

ROM

(mumford)

ROM

ROM

ROM

## **REFERENCES**

---

1. Bucholz RW, Heckman JD. Rockwood and Green's fracture in adult. Vol 2. 2006; P: 1346.
2. Lesko PD. Variation of the arthroscopic mumford procedure. J South Orthop Assoc 2001; 10: 164-200.

3. Bigliani LU, Nicholas GP, Flatow EL. Arthroscopic resection of distal clavicle. *Orthop Clin North Am* 1993; 24: 133- 41.
4. Canale ST, Daugherty K, Janes L, Campbells operative orthopedic, Vol 3. 2003; P: 3197.
5. Walton J, Mahajan S, Marshal J. Diagnostic values of test for AC joint pain. *JBJS* 2004; 86: 807.
6. Magee DJ. *Orthopedic physical Assessment*. 4<sup>th</sup> ed. 2006; P:233.
7. Snyder SJ, Banas MP, Karzel RP. The arthroscopic mumford procedure: an analysis of results. *J Arthrosc Rel Surg* 1995; 11: 157-64.
8. Daluga DJ, Dobozi W. The influence of distal clavicle resection and rotator cuff repair on the effectiveness of anterior acromioplasty. *Clin Orthop* 1989; 247: 117-23.
9. Flatow EL, Duralde XA, Nicholson GP. Arthroscopic resection of the distal clavicle with a superior approach. *J Shoulder Elbow Surg* 1995; 4: 41-50.
10. Novak PJ, Bach BR Jr, Romeo AA. Surgical resection of the distal clavicle. *J Shoulder Elbow Surg* 1995; 4: 35-40.
11. Petchell JF, Sonnabend DH, Hughes JS. Distal clavicular excision: a detailed functional assessment. *Aust N Z J Surg* 1995; 65:262-6.
12. Cook FF, Tibone JE. The Mumford procedure in athletes: an objective analysis of function. *Am J Sports Med* 1988; 16: 97-100.