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## Modified Phemister

= Abstract =

### A Clinical Result of Modified Phemister Method for Acute Acromioclavicular Dislocation

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There are many procedures for the treatment of acute A-C injury which have many complication such as limitation of shoulder motion, post traumatic arthritis and recurrence of dislocation etc.

From July 1992 to June 1996 at National Medical Center, 21 patients with A-C injury had been treated by modified Phemister operation.

The mean follow up time was 14.6 months.

The following results are obtained.

1. There was no limitation of shoulder motion in 20 cases.
2. The comparison of coraco-clavicular distance after surgery ( 2.24 mm ) with that of fallow up ( 3.95 mm ) showed no significant difference.
3. Clinical results showed that good in 18 cases, fair in 2 cases, poor in 1 case.

From the above result, we suggest that Modified Phemister method is simple and good procedure in the treatment of acute A-C dislocation.

**Key Words** Acute Acromioclavicular Dislocation, Modified Phemister Operation

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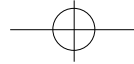
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97





948 • / 11 4

4. Weaver Dunn  
가 가 . 가 , ,

1992 7 1996 6

1.

18 64 , 21  
20 30 가 12 (57.0%) 가  
가 17 (66.6%)

(Table 1).

1.

1992 7 1996 6 4

2.

가 9  
(42.8%) 가 ,

(Table 2).

2.

3.

13 (61.9%), 8 (38.0%)  
, Dominant site 14 (66.6%), non-dominant site 9  
(33.3%) .

Weaver Dunn 19)

4.

4 , 1

3.

5.

K-

18 (85.7%)

가 2 (9.5%)

1 가  
, 1 2

Modified-Phemister  
velpeau bandage sling swathe 2  
2-3 arm sling  
pendulum

6.

Weaver Dunn

19)

18 ,

6 8

Table 1 Age and Sex Distribution

Age	Male	Female	Total (%)
10-19	1		1 (4.7)
20-29	6	1	7 (33.3)
30-39	4	1	5 (23.8)
40-49	2	2	4 (19.0)
50-	1	3	4 (19.0)
Total	14(66.6)	7(33.3)	21 (100)

Table 2 Causes of injury

Cause	No. of cases(%)
Traffic accident	9 (42.8)
Fall down	2 (9.5)
Slip down	9 (42.8)
Direct blow	1 (4.9)
Total	21 (100)

Table 3 Evaluation of result (By Weaver and Dunn)

Good	: Full range of motion, no pain, good cosmetic result.
Fair	: Slight fatigue pain, residual deformity, slight loss of full evaluation of arm.
Poor	: Significant pain, loss of motion, deformity or need for second operation

Table 4 Comparison of coracoclavicular distance

	pre-op	post-op	final F/U (mm)
Mean	10.43	2.24	3.95

2 , 1 95.2%

mm

가

10.43 mm,

2.24 mm, 가

3.95 mm (Table 4).

7.

1

1

(Fig 1-B)

3

Kenny-Howard

1

8 K-

(Fig 1-C), 6

가 (Diarthroidal joint)

, K-

가

24

가

Inman<sup>11)</sup>

30 °

135 °

20 °

Rockwood 3

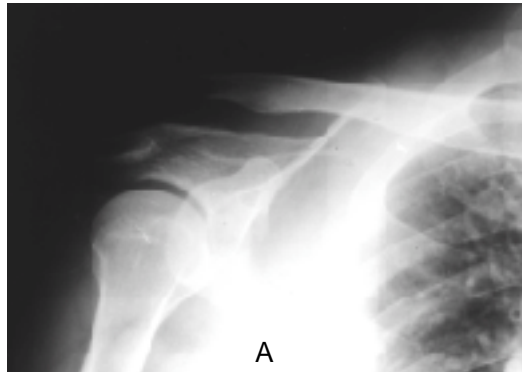
가

, Rockwood Green

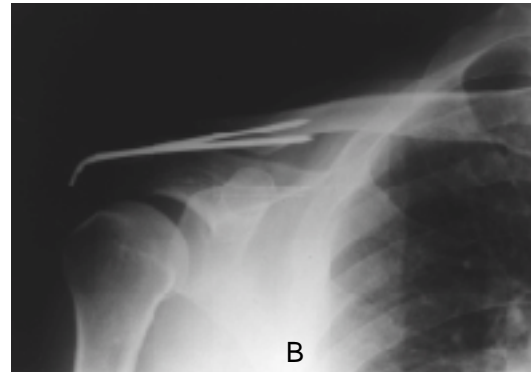
(Fig 1-A). Modified-phemister

5-8 °

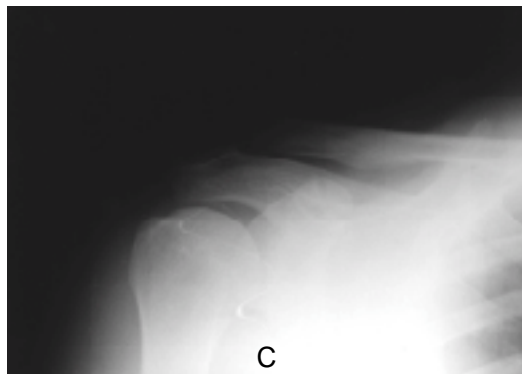
. Kennedy Cameron



A



B



C

Fig 1 - A Preoperative radiographs showing the fracture of the distal clavicle and widening the C-C distance.  
 B. Radiographs made after C-C lig. Repair and fixation with two K-wire.  
 C. Radiographs made after removal of the K-wire.

(Synchronous scapuloclavicular motion)

가

22 (96.5%)

1 (4.6%)

가

Allman<sup>6)</sup>

Zlosky<sup>20)</sup>

3가

가

Rockwood

Moseley<sup>14)</sup>

Green<sup>16)</sup>

3가

25Lb, Allman<sup>6)</sup>

10-15Lb

가

10Lb

4

5

Imatani<sup>10)</sup>

가 50%

Rockwook

Green<sup>16)</sup>

5mm

가

6  
Hom<sup>9)</sup>

가

가

Urist<sup>18)</sup>

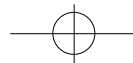


가  
가 6-8  
가 가

Thomdike Quigely<sup>17)</sup>, Urist<sup>18)</sup> Imatani<sup>10)</sup>  
5가  
(Sage and Salvatore,  
Ashstrom, Neviaser, McLaughlin, Depalma, Phemister)  
(Bosworth, Weitzman, Bearden)  
(Mumford, Gurd,  
Weavor Dun) (Dewar and Barrington, 1992 7 1996 6  
Baily) 가  
21  
1. Modified Phemister 21  
2. Weaver Dunn<sup>19)</sup> 18 ,  
2 , 1 95.2%  
3. mm  
disc 10.43 mm,  
가 가 2.24 mm, 3.95 mm  
가 Modified Phemister 4.  
Modified Phemister  
Larsen<sup>13)</sup>  
threaded wire 4-5  
, Eskala<sup>8)</sup> smooth  
or threaded Kirschner-wire, cortical screw 86

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2  
Imatani<sup>10)</sup>  
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