

13, 3, 2000 7

The Journal of the Korean Society of Fractures
Vol.13, No.3, July, 2000

- -
.

< >

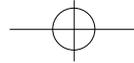
가
4 가 , 3
, 1 가
- K 가
3
, 가
가
:
:

(Monteggia fracture)

가 4 (3,4,5)

: Keun Woo Kim
Department of Orthopedic Surgery, Kang Nam General Hospital
Samsung Dong 171-1, Kangnam Gu, Seoul, Korea
Tel : (02) 3430-0675, 0677
Fax : (02) 593-1262





(Fig.2-A, B)

2

(Fig.3-A, B)

8

45

가

7

1/3

가

(Fig.1-A, B)

2

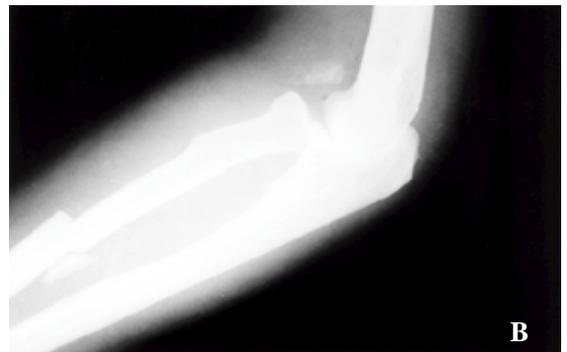
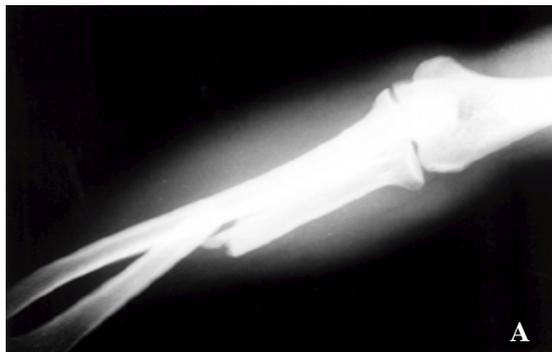
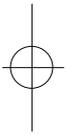


Fig 1A and 1B. Initial anteroposterior and lateral radiographs of the right elbow, which show ipsilateral anterior dislocation of the radial head and fracture of the proximal shaft of the radius.



Fig 2A and 2B. Anteroposterior and lateral radiographs of the right elbow, which were taken just after closed reduction of radial head and immobilization by long arm splint.



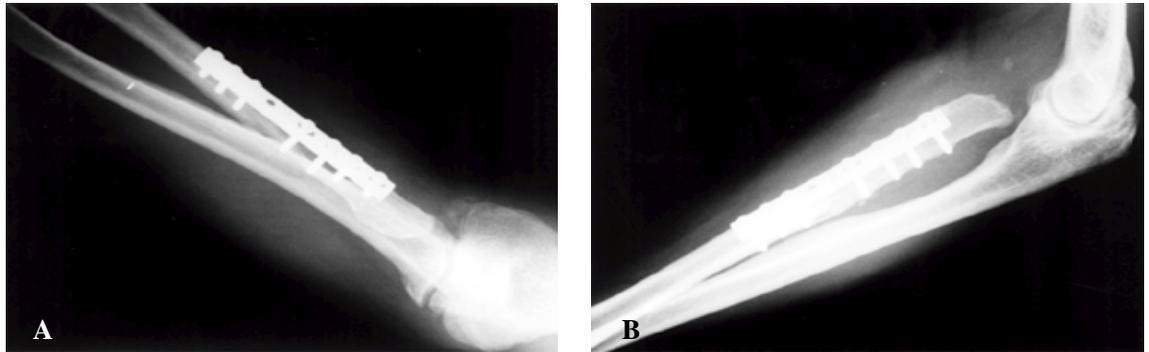
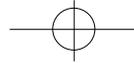
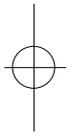


Fig 3A and 3B. Anteroposterior and lateral radiographs of the right elbow, made 16 weeks after second operation. Radial head has been resected, and bony union was taken by more rigid internal fixation with DCP.



, 20 100 가1 , 1

가
K-
3
3,4,5). <Table 1>

11 , 5 . 6
1 가 6 가
가 . 1949

Evans

1). 1974 Wiley

, 1
, 2

가
(Fig.2-A, B)

2).

4

3

, 1 .

가3 ,



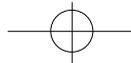


Table 1. Comparison of pre-reported 4 cases.

Case	Sex	Age	Injury Mechanism	Direction of head dislocation	Accompanied Injury	Method of reduction of head dislocation	Duration of Immobilization	Range of motion
1	F	16	Fall onto one outstretched hand	Undescribed	Capitellum fracture, Annular lig. rupture	Open, K-wire pinning	3 weeks	Full
2	M	28	Fall onto one outstretched hand	Undescribed	None	Closed	Undescribed	Full
3	M	29	Direct blow to radial aspect of forearm during fall on one outstretched hand with forearm pronated	Anterior	None	Closed	6 weeks	15% lack of full extension, full flexion
4	M	9	Fall	Anterior	None	Closed	Undescribed	Full

1 7
가
(20, 100,) 6

4 3

가

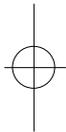
3 1

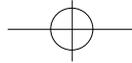
4 2

6 1
15.

REFERENCES

- 1) **Evans M. E.** : Pronation injuries of the forearm with special reference to the anterior Monteggia fracture, *J. Bone Joint Surg.* Vol. 31-B, : 578, 1949.
- 2) **Wiley J. J., Pegington J., Horwich P.** : Traumatic dislocation of the radius at the elbow, *J. Bone Joint Surg.* Vol. 56-B : 501, 1974.
- 3) **D. M. Billett, B. Sc., F. R. C. S.** : An uncommon fracture dislocation of the radius. *The Journal of Trauma*, Vol. 17, No. 3, : 243-244, 1977.
- 4) **S. B. Rao and J. Patrick** : Isolated fracture-dislocation of the proximal radius. A previously undescribed injury. *Injury*, Vol. 22, No. 6, : 484-485, 1991.
- 5) **J. Michael Simpson, M.D., Thomas G. Andreshak, M.D., Arun Patel, M.D., and W. Thomas Jackson, M.D.** : Ipsilateral Radial Head Dislocation and Radial Shaft Fracture. *Clinical Orthopaedics and Related Research*, Number 266 May, 205-208, 1991.





Abstract

Radial Head Dislocation With Ipsilateral Radial Shaft Fracture - A Case Report -

Keun Woo Kim, M.D., Yong Hoon Kim, M.D., Hak Jin Min, M.D.,
Ui Seoung Yoon, M.D., Hee Oh Kim, M.D., and Jae Hee Kim, M.D.

Department of Orthopedic Surgery, Kang Nam General Hospital, Seoul, Korea

Radial head dislocation with ipsilateral radial shaft fracture is one of the reportable trauma case with very low incidence. Only 4 cases of this type injury have been reported worldwide. In 3 cases of them, good results were achieved after early closed reduction of the radial head, followed by internal fixation of the radial shaft. In the authors' case, the patient received the same method of treatment mentioned at the previous successful 3 cases. But after that, he suffered from repeated dislocations and finally nonunion of the fracture. At last, the authors could obtain bony union and stable elbow joint after radial head resection and osteosynthesis using autologous cancellous bone graft, but resulted in limitation of motion. We report the case and the experience of treatment.

Key Words : Radial head dislocation, Ipsilateral radial shaft fracture.

Address reprint requests to _____

Keun Woo Kim

Department of Orthopedic Surgery, Kang Nam General Hospital

Samsung Dong 171-1, Kangnam Gu, Seoul, Korea

Tel : (02) 3430-0675, 0677

Fax : (02) 593-1262

