

15 , 1 , 2002 1

The Journal of the Korean Society of Fractures
Vol.15, No.1, January, 2002

VIII 가

- 1 -

. . .

< > 가
VIII 1 VIII 가
1
: , VIII ,

Volkman

8

2 m

VIII (factor VIII) inhibitor가

1

1

A

VIII

inhibitor가

:

620-5

TEL: 043-840-8254 · FAX: 043-854-2444
E-mail: kodukan@orgio.net

Fig 1. A. Preoperative radiographs show complete, posteromedial displacement of distal fragment of supracondylar fracture.
B. Postoperative radiographs show reduction and fixation with medial and lateral pins of fracture.
C. Postoperative 4 months radiographs show complete union of fracture.
D. Patient with right radial nerve palsy. Note the inability to extend the wrist dorsally.



Fig 1. E. Four months after injury, the patient can extend the wrist and fingers

4

(Fig. 1C),
가

4

3)(Fig. 1D,E).

Nilsson

VIII

20%

¹⁾, Boardman

2-4

VIII

30%

Wolff

kg 25 unit

7

14

,

가

가

⁷⁾.

60,000-100,000 unit

가

, infusion study
(concentrate)

activity) 70-100%

^{1,5)}.

VIII inhibitor가
가 , inhibitor 6-
21% inhibitor VIII
⁶⁾. inhibitor

VIII

가

^{4,5,6)}.

VIII

6 10

가

가

,

10

가가

가 가

^{4,6)}.

VIII

inhibitor가

,

VIII

activated prothrombin complex concentrates

(PCCs) VIII

가

⁶⁾.

VIII

VIII

IX

가

1,000 unit

, Ahlberg

VIII

IX

가

5-7

²⁾.

, VIII

가

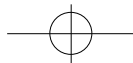
inhibitor가

가

IX

VIII

VIII



aPTT

VIII, IX

가

supracondylar fractures of the humerus in children. J Bone Joint Surg, 72-A: 1211-1215, 1990.

4) **Feil E, Bentley G and Rizza CR**: Fracture management in patients with hemophilia. J Bone Joint Surg, 56-B: 643-649, 1974.

5) **Lancourt JE, Gilbert MS and Posner MA**: Management of bleeding and associated complications of hemophilia in the hand and forearm. J Bone Joint Surg, 59-A: 451-460, 1977.

6) **Madigan RR, Hanna WT and Wallace SL**: Acute compartment syndrome in hemophilia. A case report. J Bone Joint Surg, 63-A: 1327-1329, 1981.

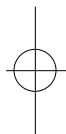
7) **Wolff LJ and Lovrien EW**: Management of fractures in hemophilia. Pediatrics, 70: 431-436, 1982.

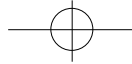
REFERENCES

1) **Ahlberg A and Nilsson IM**: Fractures in hemophiliacs with special reference to complications and treatment. Acta Chir Scandinavica, 133: 293-302, 1967.

2) **Boardman KP and English P**: Fractures and dislocations in hemophilia. Clin Orthop, 148: 221-232, 1980.

3) **Culp RW, Osterman AL, Davidson RS, Skirven T and Bora FW**: Neural injuries associated with





Abstract

Supracondylar Fracture of the Humerus in a Hemophiliac with Antibodies to Factor VIII - A Case Report -

**Duk Hwan Kho, M.D., Dong Heon Kim, M.D., Kyou Hyeun Kim, M.D.,
and Sin Woo Lim, M.D.**

Department of Orthopaedic Surgery, College of Medicine, Konkuk University, Korea

<Abstract>

Fractures in hemophiliacs with antibodies to factor VIII are very rare, and the presence of antibodies to factor VIII in the patient's blood makes antihemophilic replacement therapy and operative treatment extremely difficult. We treated one case of supracondylar fracture of the humerus in hemophiliac with antibodies to factor VIII surgically and present that case with a review of the literature.

Key Words : Hemophiliac, Antibody to factor VIII, Supracondylar fracture