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= Abstract =

The Operative Treatment of Subtrochanteric Fractures of the Femur

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Purpose : The authors have investigated the subtrochanteric fractures, which were treated operatively using variable internal fixation devices to determine the clinical results according to the fracture types and internal fixation devices.

Materials and Methods : We have reported 18 cases of subtrochanteric fractures, which were treated operatively using variable internal fixation devices from October, 1992 to December, 1997. fourteen cases were male and 4 cases were female. Eight cases were type I, 5 cases were type II and 5 cases were type III by Fielding's classification. Of fixation devices, 13 cases were DHS, and 5 cases were interlocking intramedullary nail. The mean duration of follow up was 1 year and 6 months.

Results : The mean duration of bony union was 20.3 weeks, and there was no significant difference between fracture types, or between internal fixation devices. Of the 18 cases, 4 complications(22%) were occurred ; delayed union(1 case), nonunion(1 case), and varus deformity(2 cases).

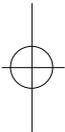
Conclusion : The internal fixation devices should be chosen adequately according to the

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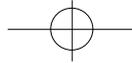


Table 2. Internal fixation devices.

Device	No. of cases
DHS	13
Interlocking IM nail	5
Total	18

Table 4. Complications.

Complication	No. of cases
Non-union	1
Delayed union	1
Varus deformity	2
Total	4 (22%)

10.2

1.

20.3

20

21.4

(P=0.649).

Type

Fielding type I

18.8

type II

21.4

, type III

20.8

(P=0.30).

가

20.2

20.9

가

2.

18

4 (22%)

1

1

(DHS ; dynamic compression hip

screw-plate) 13

2 (Table III). 4

3

가 DHS

Fielding type I, II

dullary nail) 5

(interlocking intrame

(Table II).

Fielding type I, II

Fielding type III

DHS

1

Fielding type II

16 nail-plate junction

(Fig. 1).

1

Fielding type III

6

가

25

7.

11.3

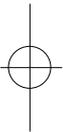
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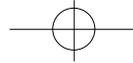
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33

가

11.5





- 가
- 1992 10 1997 12 5 2
- 18
1. 20.3 ,
20 ,
21.4 , Fielding type I
- 18.8 , type II 21.4 , type III 20.8 .
2. 18 4 (22%)
, 1 ,
1 , 2 .
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