

13, 1, 2000 1

The Journal of the Korean Society of Fractures  
Vol.13, No.1, January, 2000

- 1 -

. .

&lt; &gt;

. ,

가

1

가

가

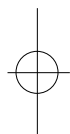
.

:

,

,

,



-

,

5).

25

.

,

,

,

:

249-1 (471-701)

Tel : (0346) 560-2316

Fax : (0346) 557-8781

E-mail : hyparkys@email.hanyang.ac.kr

\*

1999

43





1

가

(Fig. 1-A) (Fig. 1-B) (Fig. 2) 3 4-5 Watson-Jones<sup>10)</sup> 7,8) , Samberg<sup>9)</sup> 1976 Roaf<sup>8)</sup> 가 4-5 (Fig. 3-A, 3-B) 가

4-5

가

가

가

(Fig. 4),



A

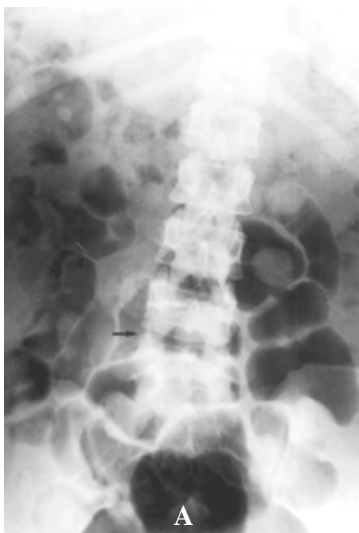


B

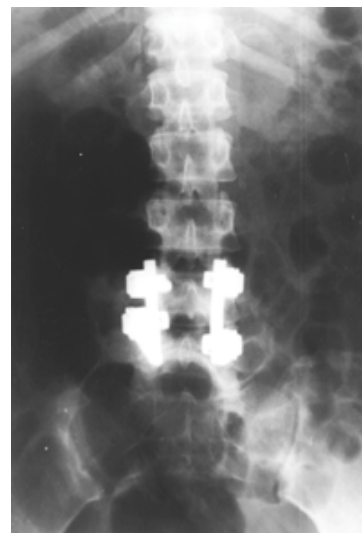
**Fig 1-A, 1-B.** Anteroposterior and oblique radiographs of the lumbar spine on admission shows non-specific abnormal finding but quality of the X-ray is bad.



**Fig 2.** Initial CT shows the minimal widening of joint space at L4-5 facet joint of left side, otherwise non-specific abnormal finding.



**Fig 3-A, 3-B.** Anteroposterior and oblique radiographs of the lumbar spine after 3 weeks from injury shows the subluxation of L4-5 facet joint in left side.



**Fig 4.** Postoperative radiograph of the lumbar spine shows a good reduction and firm fixation with good bony fusion.



4.5)

가

empty facet sign      double body  
6).

가

가

가

가

Frankel      Davis<sup>1,3)</sup>  
가

. Das De      McCreath<sup>2)</sup>

## REFERENCES

- 1) Boger DC, Chandler RW, Pearce JG and Balciunas A : Thoracic and lumbar spine. current concept review. *J Bone Joint Surg*, 65-A:1174-



- 1178,1983.
- 2) **Das De S and McCreath SW** : Lumbosacral fracture-dislocations. *J Bone Joint Surg*, 63-B:58-60,1981.
  - 3) **Davis WE, Morris JH and Hill V** : An analysis of conservative management of thoracolumbar fractures & fracture-dislocations with neural damage. *J Bone Joint Surg*, 62-A:1324-1328,1980
  - 4) **Gellad FE, Levine AM, Joslyn JN, Edwards CC and Bosse M.**: Pure thoracolumbar facet dislocation:Clinical features and CT appearance. *Radiology*, 161:505-508,1986.
  - 5) **Levine AM, Bosse M and Edward CC** : Bilateral facet dislocation in the thoracolumbar spine. *Spine*, 13(6):630-640,1988.
  - 6) **O 'Callaghan JP, Ullrich CG and Yuan HA** : CT of facet dislocation in flexion injuries in the thoracolumbar spine. *A.F.N.R.*, 1:97,1980
  - 7) **Olivera Joce CD** : A new type of fracture dislocation of the thoracolumbar spine. unstable burst fracture. *J Bone Joint Surg*. 60-A:No. 4:481,1978
  - 8) **Roaf R** : A study of the mechanics of spinal injuries. *J Bone Joint Surg*. 42-B:810-823,1960.
  - 9) **Samberg LC** : Fracture-dislocation of the lumbosacral spine. a case report. *J Bone Joint Surg*. 57-A:1007-1008,1975.
  - 10) **Watson - Jones R** : Fracture and joint injuries, 1st. ed, Baltimore, *Williams & Wilkins*. 647,1940.

#### Abstract

### Neglected Unilateral Subluxation of Facet Joint in Lumbar Spine of Multiple Trauma Patient - A Case Report -

**Ye-Soo Park, M.D., Min-Kun Kim, M.D. and Jae-Lim Cho, M.D.**

*Department of Orthopedic Surgery, Hanyang University Kuri Hospital, Kuri, Korea*

Unilateral dislocation or subluxation of a facet in lumbar spine is extremely rare, so it has been often neglected. The mechanism of injury is hyperflexion and distraction forces. As for the treatment of lumbar facet dislocation and subluxation, open reduction and internal fixation by the posterior approach has been recommended because the injuries are resistant to closed reduction and they may cause chronic instability. We report a case of neglected unilateral subluxation of facet joint in lumbar spine of multiple trauma patient, which was treated by open reduction and internal fixation with posterolateral fusion. In the multiple trauma patients, it is mandatory to the meticulous diagnosis and treatment.

**Key Words** : Facet subluxation, Unilateral, Multiple trauma, Posterolateral fusion