

척추전방전위증의 업무상질병 인정기준 개선*

조 준 · 윤도흠** · 박용구**

= Abstract =

The Renewal of Cognizance Criteria for Work Compensated Disease in Spondylolisthesis

Joon Cho, M.D., Do Heum Yoon, M.D.,** Young Gou Park, M.D.**

Department of Neurosurgery, College of Medicine, KonKuk University, Seoul, Korea

Department of Neurosurgery, College of Medicine, **Yonsei University, Seoul, Korea

Objective : World Health Organization and International Labour Organization, in June 8, 1999, requested that working conditions should be reformed ethically right and economically solid for 2.7 billion world labour force. The purpose of this study is to request compensable surgical therapeutic options and to suggest the renewal in cognizance criteria for worker's compensation, especially in spondylolisthesis.

Methods : Regarding spondylolisthesis, we obtained data from Korea Labor Welfare Corporation (KLWC). Spinal disease occurrence incidences and medical fees of National Federation of Medical Insurance (NFMI) were analysed. The compensated 122 spinal instrumented cases included 117 male and 5 female patients, aged from 23 to 72 years old (mean : 45 ± 9.85). We compared Korean and Foreign Workers Compensation Law.

Results : Numbers of herniated nucleus pulposus (78 cases), spinal fractures (34 cases) and dislocations (4 cases) were claimed after spinal interbody fusion operation and were compensated. These compensated degenerative diseases, work related illness, occurred in the course of work. A case of 52-year old spondylolisthesis patient with Disability Grade 8 was compensated by KLWC, according to its occurrence at work by accident. With exception of trauma at work by accident, current cognizance criteria were too narrow to be compensable, especially in surgical therapeutic option, for worker's spondylolisthesis.

Conclusion : Considering both worker's compensation law and clinical pathologic progress, we believe that spondylolisthesis should be regarded as a compensable occupation related disease if and when aggravates rapidly in the course of work. We suggest a new cognizance standard to KLWC for labour welfare and proper worker's compensation.

KEY WORDS : Cognizance · Worker's compensation · Spondylolisthesis.

서 론

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2)6)8)13)

(TWCC) 1991 1997

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2. 방 법

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1) 노동부, 의료보험, 근로복지공단의 환자 연보

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대상 및 방법

1. 연구 대상

1999 11 19

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23 72
45 ± 9.85 가 117 , 가 5
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1975 , 1984 , 1995 1998
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2) 최근 척추기기고정수술 후 장애종결한 환자의 분석

1999 11 19
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결 과

1995 , 1996 , 1997 (Table 1)

<p>가</p> <p>20 , 18 ,</p> <p>3) 현행 국내와 외국의 산업재해 보상보험법 시행규칙</p> <p>가</p> <p>415 ,</p>	<p>가 400 19 ,</p> <p>1,869,951</p> <p>, 2,208,355 , 2,498,180 . 1995</p> <p>65,469,015,000 ,</p> <p>40,431,598,000 .</p> <p>, 95 3</p> <p>400 22 , 17 , 20 .</p> <p>95 97 307 82</p> <p>41,684 534,825 ,</p> <p>116,236 1,230,581 , 163,475</p> <p>1,488,743 , 930,841,000</p> <p>11,891,368,000 , 537,874,000</p> <p>548 ,</p> <p>7 ,</p> <p>7,858,025,000 .</p>
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Table 1. The variables of out-patient department diseases (Unit : No., Day, 1,000 won)

Diagnosis	Year	R.	No. of exam.	Total cost	Pt. fee
Other discoid hindrance	'95	19	1,869,951	65,469,015	40,431,598
	'96	20	2,208,355	84,765,825	52,898,957
	'97	18	2,498,180	97,076,874	60,737,491
Lumbar & pelvic muscle sprain, dislocation	'95	22	1,622,563	41,783,925	21,802,740
	'96	17	2,426,068	54,649,927	34,129,527
	'97	20	2,370,173	55,874,709	35,071,982
Lordosis & kyphosis	'95	307	41,684	930,841	537,874
	'96	116	322,233	7,130,320	4,624,892
	'97	82	534,825	11,891,368	7,858,025

R. : rank in 400 diagnostic diseases, No. of Exam. : number of medical examination, Pt. fee : patient-paid medical fee

Table 2. The number of cases and disability grades in compensated spinal diseases treated with spinal interbody fusion.

DX	No. of cases(%)	No. of disability grade(%)						
		5	6	7	8	10	11	12
Grades		5	6	7	8	10	11	12
HNP	78(63%)	2	21	7	42	1	0	5
Compression Fx	19(15%)	1	11	0	2	3	1	1
Bursting Fx	9(8%)	0	9	0	0	0	0	0
Compound Fx	6(5%)	0	5	0	1	0	0	0
Dislocation	4(3%)	1	0	0	3	0	0	0
Ligament injury	2(2%)	0	1	1	0	0	0	0
Unstable spine	2(2%)	0	1	0	0	0	1	0
Spondylolisthesis	1(1%)	0	0	0	1	0	0	0
Annulus bulging	1(1%)	0	0	0	1	0	0	0
Total	122(100%)	4(3%)	49(40%)	8(7%)	50(41%)	4(3%)	2(2%)	6(5%)

No. : number DX : diagnosis HNP : Herniated Nucleus Pulpus Fx : fracture

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1,489 가 1984 159,306
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Table 2

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(Table 3) 25 69

(44.35±9.51) , 33 66(47.63±8.47) ,
23 62(43.11±11.87) , 28 72(54.33
±15.17) , 46 52(49±3.46)
52 , 45

고 찰

82 (67%), 20 (16%),
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가

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가 가 1998 1,451,065,987,000

1,556,041,968,000

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6.8%가

845,108

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11.7%

1980

LaDou⁸⁾

가

Table 3. Age distribution in compensated spinal diseases treated with spinal interbody fusion

DX	Range of age	(Mean±S.D.)
HNP	25 - 69	(44.35 ± 9.51)
Compression Fx	33 - 66	(47.63 ± 8.47)
Bursting Fx	23 - 62	(43.11 ± 11.87)
Compound Fx	28 - 72	(54.33 ± 15.17)
Dislocation	46 - 52	(49 ± 3.46)
Ligament injury	32, 38	(35)
Unstable spine	42, 53	(47.5)
Spondylolisthesis	52	(52)
Annulus bulging	45	(45)
Total	23 - 72	(45.44 ± 9.85)

DX : diagnosis HNP : Herniated Nucleus Pulpus
Fx : fracture S.D. : standard deviation

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E - mail : chojoon@kkucc.konkuk.ac.kr

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