

(illness intrusiveness) (1999) 37%가

Paradiso Robinson(1998) 285 (Wade et al., 1986).

Andersen (1995) Starkstein, Robinson, Berthier, Parikh 가

Price(1988) 가 Flaherty, Miller Coe(1992) 가

가 , Clyburn, Stones, Hadjistavropoulos Tuokko(2000) 가

Astrom 가

(1993) 12 가 285

Andersen (1995) 가

<Figure 1>

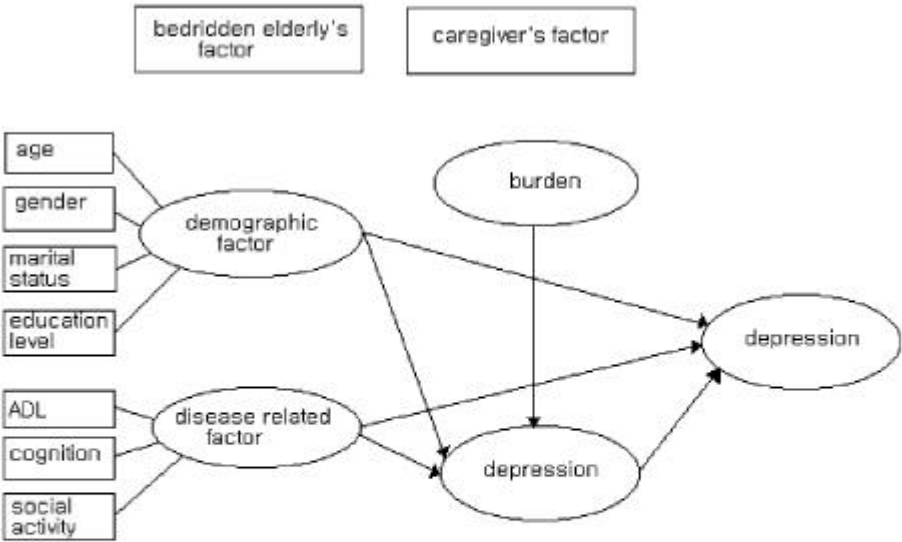
가 가

가 가

가 가

1.

Wade, Legh-Smith, Hewer(1986) 11-13%, Dennis, O'Rourke, Lewis, Sharpe Warlow 가 (1998)



< Figure 1> Theoretical Framework

- 1997).
0.95, 가 0.97
(Willer, Ottenbacher,
& Coad, 1994)
Cronbach
= .95 .
2.
2
60
191 . 100
91 .
Jun Lee(1992) CES-D
16 4 Likert
가 0 64 가
가
1) . 60 16
OASIS(outcome and assessment information
set)
OASIS(2000) 가 17.07
0.85, 0.90
3 7
8
6 . 14 64
가 가 가
Cronbach .95 .
2)
MMSE(Mini Mental State Examination; MMSE)
(Mini Mental State Examination-
Korea; MMSE-K) . MMSE-K
, , ,
, , 30
가 가
MMSE-K 가
(Lee & Shin, 1993).
3)
(Community Integration
Questionnaire; CIQ) . CIQ 가
, , 15
0 29 가 가
(Dittmar, Gresham & Granger,
- 1997).
-
0.95, 가 0.97
(Willer, Ottenbacher,
& Coad, 1994)
Cronbach
= .95 .
4)
Jun Lee(1992) CES-D
16 4 Likert
가 0 64 가
가
1) . 60 16
(Radloff, 1977),
17.07
0.85, 0.90
Cronbach $\alpha=0.93$,
Cronbach $\alpha=.94$.
5)
가 Zarit, Reeve
Bach-Peterson(1980) Montgomery,
Stull Borgatta(1985)가
(, ' ,
' 가 ')
1 () 5 ()
13 가
1 12 60
가 Montgomery (1985)
Cronbach's $\alpha=0.86$
Cronbach's $\alpha=.73$.
9
가 가 (, , ,
) 3
가 1
8 8 24 가
Montgomery (1985) Cronbach's
 $\alpha=0.85$ Cronbach's α
= .73 .

4. 29 11
64 27.93
missing
2000 5 8
가 value 77.8%
가
SPSS Win. 10.0 (68.9%)
가 60
stepwise regression
60 32.94,
24 20.23
(68%)
60 97 75 67% 가
<Table 1>
가 34% 가
2.
38.67 가 1/2
가
30 19 <Table 2>

<Table 1> Characteristics of bedridden elderlies and their primary caregivers

			variable	N (%)	Mean (SD)	
elderlies	demographic variables	gender	male	61(31.94)	75.21(8.84)	
			female	130(68.06)		
		age(yr)				
		education	no	82(42.93)		
			others	109(57.07)		
	current status	marital status	married	74(38.74)	38.67(13.61)	
			others	117(61.26)		
		ADL				
		cognition		18.57(3.77)		
		social activity		10.68(2.97)		
primary caregivers	demographic variables	depression	<17.07	37(22.2)	60.06(15.58)	
			17.07	130(77.8)		
		gender	male	37(31.3)		27.93(12.60)
			female	82(68.9)		
		age(yr)				
	education	6yr	52(55.3)			
	current status		others	42(44.7)	32.94(5.79)	
		job status	no	66(34.6)		20.23(2.59)
			others	125(65.4)		
		relationship	spouse	60(50.4)		
		children	45(37.8)			
		others	14(11.7)	24.11(12.52)		
	subjective burden					
	objective burden					
	depression	<17.07	36(33.0)	24.11(12.52)		
		17.07	73(67.0)			

ADL: Activities of Daily Living; excluded missing values

<Table 2> Stepwise Regression for bedridden elderly depression model

dependent variables	independent variables	R ²	R ² change	Beta	F change	p
caregiver's depression	subjective burden	.44	.44	.55	37.80	.00
	objective burden	.54	.10	.34	10.75	.00
bedridden elderly's depression	caregiver's depression	.23	.23	.50	23.82	.00
	gender (female = 1)	.29	.06	.22	6.77	.01
	cognition	.33	.04	-.20	4.65	.03

excluded missing values

(1999) 37%가

가

Lee (1996)
Kim

54% (2000)

가

가

가

가

(Parikh et al., 1988)

가

33% 가 가

23%

6%

가

4%

Kim

가 (2000) 38.19%가

60

가

가

(Keefe et al., 1989; Wolfe & Hawley, 1993)

가

Morris (1991) 41%가, Astrom (1993)

가 가

3 31%가, Sharpe (1994)

18%가, Wade (1986) 가 가

11-13%, Dennis (1998) 55%, Bugge

가

가

가

가

가 77.8% 67%

가

가 33%

(Andersen et al., 1995; Kim et al., 2000; Paradiso & Robinson, 1998)

가

(Adenrsen et al., 1995)

가

(Robinson, Bolla-Wilson, Kaplan, Lipsey & Price, 1986)

가

(Robinson et al., 1986)

가

References

- (Sisk, 2000) 가 Andersen, G., Vestergaard, K., Ingemann N.M., & Lauritzen, L. (1995). Risk factors for post-stroke depression. *Acta Psychiatrica Scand*, 92(3), 193-8.
- 가 Astrom, M., Adolfsson, R., & Asplund, K. (1993). Major depression in stroke patients. A 3-year longitudinal study. *Stroke*, 24(7), 976-82
- 가 Bugge, C., Alexander, H., & Hage, S. (1999). Stroke patients' informal caregivers: Patient, caregiver, and service factors that affect caregiver strain. *Stroke*, 30, 1517-1523.
- 가 Clyburn, L. D., Stones, M. J., Hadjistavropoulos, T., & Tuokko, H. (2000). Predicting caregiver burden and depression in

- Alzheimer's disease. *J Gerontol B Psychol Sci Soc Sci*, 55(1), S2-13.
- Dennis, M., O'Rourke, S., Lewis, S., Sharpe, M., & Warlow, C. (1998). A quantitative study if the emotional outcome of people caring stroke survivors. *Stroke*, 29, 1867-1872.
- Dittmar, S. S., Gresham, G. E., & Granger, C. V. G. (1997). *Functional Assessment and outcome measures for the rehabilitation health professionals*. Maryland: Aspen Pub.
- Flaherty, J. H., Miller, D. K., Coe, R. M. (2000). Impact on caregivers of supporting urinary function in noninstitutionalized, chronically ill seniors. *Gerontologist*, 32(4), 541-5
- Jun, G. G., & Lee, M. K. (1992). Korean Adaptation of the State-Trait Depression Inventory: . *J Korean Psychol Res: Clin*, 11, 65-76.
- Keefe, F. J., Brown, G. K., Wallston, K. A., Caldwell, D. S. (1989). Coping with rheumatoid arthritis pain: catastrophizing as a maladaptive strategies. *Pain*, 37, 51-56
- Kim, I., Suh, M. J., Kim, K. S., Cho, N. O., & Choi, H. J. (2000). Predicting factors of post-stroke depression. *J Korean Adult Nurs*, 12(1), 147-162.
- Kim, K. S., Suh, M. J., Cho, N. O., & Kim, I. (2001). Development of an urban community based comprehensive service model for bedridden elderly. *J Korean Acad Nurs*, 31(4), 656-668.
- Korea Institute of Health and Social Affairs (KIHASA). (1988). *Survey on elderly who are living alone*.
- Lee, C. S., & Shin, S. C. (1993). Standardization of the Mini-Mental State Examination(MMSE) in Korea. *J Korean Neuropsychiatr Assoc*, 32(6), 955-961.
- Lee, E. O., Suh, M., Kim, I., Kang, H. S., Kim, M. S., Kim, M. J., Kim, Y. J., Park, S. Y., Park, I., Park, J., Bae, Y., So, H. Y., Song, K. A., Eun, Y., Lee, E. N., Lee, I. S., Lim, N. Y., & Han, J. S. (1996). Relationship among self-efficacy, pain, depression, and ADL in chronic arthritis. *J of Rheumatol Health*, 3(2), 194-208.
- Montgomery, R., Stull, D., & Borgatta, E. (1985). Measurement and the analysis of burden. *Res Aging*, 7, 137-152.
- Morris, P. L., Robinson R. G., Raphael, B., & Bishop, D. (1991). The relationship between the perception of social support. *Psychiatry*, 54(3), 306-16.
- Nicassio, P. M., Schofeld-Smith, K., Radjovic, V., & Schuman, C. (1995). Pain coping mechanism in fibromyalgia: relationship to pain and functional outcomes. *J Rheumatol*, 22(8), 1552-1558.
- OASIS (2000). *Tender loving care*. Staff Builders, TLC123(08/00).
- Paradiso, S., Robinson, R. G. (1998) Gender differences in post-stroke depression. *J Neuropsychiatry Clin Neurosci*, 10(1), 41-7.
- Parikh, R. M., Lipsey, J. R., Robinson, R. G., & Price, T. R. (1988). A two year longitudinal study of post-stroke mood disorders: prognostic factors related to one and two year outcome. *Int J Psychiatry*, 18(1), 45-56
- Radloff, L.S. (1977). The CES-D Scale: A self report depression scale for research in the general population. *Appl Psychol Measure*, 1(3), 365-411.
- Robinson, R, Morris, P. L., & Raphael, B. (1992). Clinical depression is associated with impaired recovery from stroke. *Med J Aust*, 157(4), 239-42
- Robinson, R. G., Bolla-Wilson, K., Kaplan, E., Lipsey J. R., & Price, T. R. (1986). Depression influences intellectual impairment in stroke patients. *Br J Psychiatry*, 148, 541-547.
- Sharpe, M., Hawton, K., Seagroatt, V.,

- Bamford, J., House, A., Molyneux, A., Sandercock, P., & Warlow, C. (1994). Depressive disorders in long-term survivors of stroke. Associations with demographic and social factors, functional status, and brain lesion volume. *Br J Psychiatry*, 164(3), 380-6.
- Sisk, R. J. (2000). Caregiver burden and health promotion. *Int J Nurs Stud*, 37, 37-43.
- Starkstein, S. E., Robinson, R. G., Berthier, M. L., Parikh, R. M., & Price, T. R. (1988). Differential mood changes following basal ganglia vs thalamic lesions. *Arch Neurol*, 45(7), 725-30.
- Wade, D. T., Legh-Smith, J., & Hewer, R. L. (1986). Effects of living with and looking after survivors of stroke. *Br Med J*, 293, 418-420.
- Willer, B., Rottenbacher, K. J., & Coad, M. L. (1994). The Community Integration Questionnaire. *American Journal of Physical Medicine Rehabilitation*, 73(2), 103-11.
- Wolfe, F., & Hawley, D. J. (1993). The relationship between clinical activity and depression in rheumatoid arthritis. *J Rheumatol*, 20(12), 2032-2037.
- Zarit, S. H., Reever, K. E., Bach-Peterson, J. (1980). Relatives of the impaired elderly: correlates of feeling of burden. *Gerontologist*, 20, 649-655.

- Abstract -

Affecting Factors of Homebound Bedridden Elderly's Depression

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Purpose: It was identified that how many homebound bedridden elderlies and their primary caregivers were depressed, and which factors affected the bedridden elderly's depression. **Method:** The subjects were 191 homebound bedridden elderlies and their primary caregivers. The affecting factors were classified into two categories : bedridden elderly and their primary caregiver related factors. Then bedridden elderly's factors were classified demographic and disease-related factors again. The stepwise regression was used to identify significant factors. **Result:** The prevalence of bedridden elderly's and caregiver's depression was 77.8% and 67.0%, respectively. And the model explained 33.3% of variance of bedridden elderly's depression. Cognitively-impaired female elderlies who had depressed caregivers were found to be more depressed. And caregivers who perceived burden were identified to be more depressed. **Conclusion:** It is recommended that the health professionals need to identify bedridden elderlies and caregivers at risk of depression. Especially elderlies who is in poor cognition, those who are female, and those whose caregivers were depressed might be considered carefully in all counseling or follow-up. Also the primary caregivers must be helped to access already available formal and informal support.

Key words : Elderly, Depression, Caregiver, Burden, Cognition

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