

Yale-Brown Obsessive-Compulsive Scale과 Yale-Brown Obsessive-Compulsive Scale Checklist의 차원적 분석

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ABSTRACT

Dimensional Analyses of the Yale-Brown Obsessive-Compulsive Scale and Yale-Brown Obsessive-Compulsive Scale Checklist

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Objective : Although obsessive-compulsive disorder (OCD) has long been a unitary diagnosis, there is much recent interest in its potential heterogeneity, as manifested by symptom subgroups. Although the Yale-Brown Obsessive-Compulsive Scale (Y-BOCS) is a widely used instrument to assess obsessive-compulsive symptomatology, the variables reflecting the pathogenesis of OCD and Y-BOCS subscores usually were not significantly associated. The aims of this study are to clarify identification of dimensional structure of the symptoms from Y-BOCS checklist and to explore the factor structure of the Y-BOCS. **Methods** : Ninety five OCD patients participated in this study and performed the Y-BOCS and Y-BOCS checklist. The 13 main symptom categories from Y-BOCS checklist and 10 items from Y-BOCS were factor analyzed by using principal components analysis, respectively. **Results** : Using principal component analysis, we derived 4 factors from 13 main contents of Y-BOCS checklist. Four factors-hoarding/repeating, contamination/cleaning, aggressive/sexual, and religious/somatic-accounted for more than 60% of the variance. And we derived 3 factors from 10 items of Y-BOCS and these 3 factors-severity of obsession, severity of compulsion, and resistance to symptoms-accounted for more than 70% of variance. **Conclusions** : The four symptom dimensions from Y-BOCS checklist and three symptom dimensions from Y-BOCS were identified as significant factors accounting for the variance. These factors may be of value in future genetic, neurobiological, and treatment response studies. (Korean J Psychopharmacol 2004;15(3):339-345)

KEY WORDS : Dimensional analyses · Yale-Brown Obsessive-Compulsive Scale · OCD.

서 론

(constellation),
(unitary disorder) .¹⁾

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146 - 92

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가 (intrusive thoughts), (preoccupations), (rituals),
 가²⁾ (homogeneous)
 가 (subtype)
 가³⁾ ()⁵⁾
 가⁴⁾ (phenomenological) (thematic) (consistencies) 가
 가⁶⁾ (manifest symptoms)
 가 (biological marker), (genetic transmission) 가
 가 Erzegovesi⁷⁾ 가 Mataix - Cols⁸⁾ (hoarding) 가
 (specific obsessive - compulsive contents)
 가 가⁹⁾ Yale - Brown Obsessive - Compulsive Scale(Y - BOCS) checklist 가

Y - BOCS checklist Maudsley Obsessive Compulsive Inventory (selection bias)
 Y - BOCS 가 50¹³⁾
 Y - BOCS checklist 가
 가 (standard)
 Y - BOCS 가
 Y - BOCS가 (validity) Goodman (subscale composition) - (1~5) (6~ 10) -¹⁴⁾
 Y - BOCS 가
^{15,16)} 4 9
¹⁴⁾ Y - BOCS (factorial structure) 가
 가
 가 가
 Y - BOCS checklist Y - BOCS 가 가

대상 및 방법

1. 대 상

95
 SC-ID(Structured Clinical Interview for Diagnosis)¹⁷⁾
 95 43
 38

, 57
6

2. 임상 양상의 평가

1) Yale-Brown Obsessive-Compulsive Scale (Y-BOCS)

10 1~5
6~10
가 가 가
가
0 () 4 ()¹⁸⁾

2) Y-BOCS checklist

8 (aggressive), (contamination),
(sexual), (hoarding), (religious),
(symmetry), (somatic) - 7
(cleaning), (checking), (repeating),
(counting), (ordering), -
60
checklist Leckman¹²⁾¹³⁾ Y-BOCS
(principal) (major)
1 0
2
3. 통계분석
Y-BOCS checklist
(miscellaneous)
13

(principal component analysis) . Y-
BOCS 10
(eigenvalue)
1 (Kaiser's criterion)
Varimax

결 과

1. 강박장애 환자들의 사회인구학적, 임상적 변인들
95
가 65 (68.4%), 가 30 (31.6%)
29.46 ± 9.25 , 19.93 ± 8.61
, 9.92 ± 8.45 , Y-BOCS
27.32 ± 5.63 ..

2. Y-BOCS checklist 요인분석
Y-BOCS checklist 4
(factor solution) Key ±
ser - Meyer - Olkin measure of sampling adequacy
0.78
¹⁹⁾ Varimax
(rotation) (factor load-
ings)가 0.5
4가 / ,
/ , /
/ , /
(variance)
33.99% /
11.12%
9.96%
7.70%
47가 62.77%
(1).

3. Y-BOCS 요인분석

Y - BOCS 1~3 5가 13.25%

3 Key- 6~8

ser - Meyer - Olkin measure of sampling adequacy 10 52.02%

0.84 3가 4 9가

(severity of obsession), 10.02%

(severity of compulsion), 3가 75.29%

(resistance to symp- (2).

Table 1. Four factors solution for Y-BOCS checklist

	Factor 1 (hoarding/repeating)	Factor 2 (contamination/cleaning)	Factor 3 (aggressive/sexual)	Factor 4 (religious/somatic)
Obsessions				
Aggressive			0.72	
Contamination		0.71		
Sexual			0.84	
Hoarding	0.55			
Religious				0.77
Symmetry				
Somatic				0.83
Compulsions				
Cleaning		0.81		
Checking				
Repeating	0.76			
Counting	0.83			
Ordering	0.54			
Hoarding	0.62			
% Of explained variance	34.00	11.12	9.96	7.70

Factor loadings >0.5. Principal components analysis

Table 2. Three factors solution for Y-BOCS

	Factor 1 (severity of obsessions)	Factor 2 (severity of compulsions)	Factor 3 (resistance to symptoms)
1. Time on obsessions		0.81	
2. Interference from obsessions		0.74	
3. Distress from obsessions		0.84	
4. Resistance to obsessions			0.90
5. Control over obsessions		0.72	
6. Time on compulsions	0.75		
7. Interference from obsessions	0.79		
8. Distress from obsessions	0.73		
9. Resistance to obsessions			0.76
10. Control over obsessions	0.91		
% of explained variance	52.02	13.25	10.02

Factor loadings >0.5. Principal components analysis

고찰

가,^{8,11)} Janet

가¹⁰⁾ (psychasthenia)

Y - BOCS checklist

가²⁰⁾

47가

(potential multidimensional structure)

^{8,10)} Mataix - Cols 117

2

Baer

¹⁰⁾ Y - BOCS checklist

²¹⁾ (multidimensional view)

Baer²⁰⁾ Janet

가^{8,12)} Ja-

(dimensional)

¹⁰⁾ Baer ¹⁰⁾ Leckman ¹²⁾ 가

가

(trichotillomania)

(feeling of incompleteness)

Baer

가

Y - BOCS

가

Fals - Stewart²²⁾ Y - BOCS 16

가

Y - BOCS

6

(pair)

가^{8 - 12)} , McKay 2

²³⁾

Amir Y - BOCS가 (disturbance) (2, 3, 7, 8) (1, 4, 5, 6, 9, 10)

가²⁴⁾ Kim²⁵⁾ 37가

가 5 10(/)

(pure obsession)

Leckman¹²⁾ Cavallini⁹⁾ 가

function) (joint
 1~3 Moritz ¹⁴⁾
 , 4 9
 5 10
 5 10

(neural elements)
 가
 Y-BOCS
 가

Kim ²⁵⁾ Moritz ¹⁴⁾
 Y-BOCS
 가
 Goodman ¹⁸⁾

요 약
연구목적 : 가
 가
 가 Yale-
 Brown Obsessive-Compulsive Scale(Y-BOCS)
 가 가

가 가 Y-BOCS 가
 가 가
 Y-BOCS 가
 가 가 Y-BOCS 가

Y-BOCS
 가 Y-BOCS
 checklist
 Y-BOCS

가 가 Y-BOCS 가
 가
 가
 가
 가 Y-BOCS

연구방법 : 95
 Y-BOCS Y-BOCS checklist
 Y-BOCS checklist 13 , Y-
 BOCS 10

Y-BOCS checklist
 Y-BOCS Y-BOCS chec-
 klist 가 가
 가

결 과 : Y-BOCS checklist
 4 . 4 / ,
 / , / , /
 62.77% . Y-BOCS
 3 . 3
 75.29%

가
 Y-BOCS checklist

결 론 : Y-BOCS checklist 4
 Y-BOCS 3
중심 단어 : . Y-BOCS .

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