

유뇨증 소아의 공존질병 및 정서상태*

THE COMORBIDITY AND EMOTIONAL STATE OF THE ENURETIC CHILDREN

이규광** · 신윤오** · 이태용***

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요 약 : 1993 10 1996 9
936 가 , 4 (DSM -)
46 가 가 가 14
(Piers -
Harris Children's Self - concept Scale), RCMAS(Revised Children's Manifest Anxiety Scale),
(State - Trait Anxiety Inventory for Children), (Children's
Depression Inventory : CDI) 가 .
(enuresis) (comorbidity) : 3 936 46
(4.9%) . 46 16 , 30
(65.2%) 가 가 가 ,
가 , Tourette ,
(strabismus), 1 16 , 2 11 , 3
3 : (self - concept), 가 (N =
14)
(, ,) 가 .
(ADHD),
(, ,)

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중심 단어 : (, ,) .

(Mikkelsen 1995).

서 론

가 (intentional) 4 5 , ,
 (involuntary) 5 7%,
 (DSM - 1994). 3% , 10 3%, 2% , 18
 (functionl imp - 1%
 airment) (DSM - 1994).
 4 (DSM - 1994) , 5 ,
 3 , 2 , ,
 가 . (,
), , ,
 (primary enuresis) 75 , ,
 80% , (secondary enuresis)
 6 가 가 ,
 15 20% (Mark 가
 Frank 1995). (DSM - 1994), (enco -
 (nocturnal only) prenis), (sleep walking disorder),
 (diurnal only), (sleep terror disorder)가
 (nocturnal and diurnal) (DSM - 1994), (mental retardation),
 (attention deficit disorder),
 (autism), (behavioral and perce -
 ptual problem)가
 (Gillberg 1995). Fergusson
 (antidiuretic hor - Horwood(1994) 10
 mone) (functional bladder (conduct problem),
 capacity) (Thompson Jo - (anxiety) (with - drawl) 가가
 seph 1995). , Biederman (1995), Biederman Faraone
 (1996) (AD -
 HD)

1(cluster 1) : (behavior) : 16
 2(cluster 2) : (intellectual & school status) : 17
 3(cluster 3) : : 16
 4(cluster 4) : (anxiety) : 14
 5(cluster 5) : (popularity) : 12
 6(cluster 6) : (happiness and satisfaction) : 17

1. 연구 대상
 1993 10 1996 9

936

연구대상 및 방법

가 14
 (self - concept)
 4, 5, 6 846

2. 연구 방법

가 1
 가 (review)
 가

(1994)

(Piers - Harris Children's Self - esteem Scale, Piers 1994)
 (self - concept) 가 80

1

가
 가 (1995). 가
 6

(1990)
 RCMAS
 (Revised Children's Manifest Anxiety Scale)
 (1989)

(State - Trait Anxiety Inventory for Children)
 가 RCMAS 37
 , " , "
 0, 1
 , 20
 " , " , " , "

가? " , " , " , "
 가 " , " , " , "
 " , 1, 2, 3

, Kovacs Beck(1977)
 (1990)
 (Children's Depression Inventory : CDI)
 가 27

가 2
 0, 1, 2
 , 0 54 , 가
 가 , 가
 가 7 15 가

가 16, 2 11
 , 3 3
 (Table 2).
 - (attention
 deficit - hyperactive disorder)가 14 (25.9%),
 가 9 (16.7%), 6
 (11.1%), (oppositional defiant disorder)
 가 3, 가 2
 , Tourette
 ,
 가
 ,
 PC - SAS V6.11 T -
 test, Pearson , p<0.05

연구 결과

1. 유뇨증 환자의 공존질병에 대한 고찰
 1993 10 96 9 3
 4 (DSM - 1994)
 936 46 4.9%
 , 30 , 16
 5 15 , 6 8 가 22
 47.8% (Table 1). 46
 16 (34.8%)
 , 30 (65.2%) (comor -
 bidity) . 1

Table 1. Evaluation for enuretic patients during 3 years

Variable	No.	Frequency (%)
Sex		
Male	30	65.2
Female	16	34.8
Age		
5	5	10.9
6 - 8	22	47.8
9 - 10	9	19.6
11 - 12	6	13.0
13 - 14	3	6.5
15	1	2.2
Total	46	100

Table 2. Comorbidity of enuretic patients

No. of comorbidity	Frequency	Percentage (%)
1	16	34.8
2	16	34.8
3	11	23.9
4	2	4.3
5	1	2.1
Total	46	100

Table 3. Diseases of comorbidity in enuretic patients

Disease	Frequency	Percentage (%)
Attention deficit/hyperac- tive disorder	14	25.9
Mental retardation	9	16.7
Encopresis	6	11.1
Oppositional defiant disorder	3	5.5
Epilepsy	2	3.7
Depressive disorder	2	3.7
Anxiety disorder	2	3.7
Nail biting	1	1.8
Nightmare	1	1.8
Obsessive compulsive dis- order	1	1.8
Somatization disorder	1	1.8
Tourette's disorder	1	1.8
Autistic disorder	1	1.8
Tic disorder(chronic)	1	1.8
Somatiform disorder NOS	1	1.8
Strabismus	3	5.5
Congenital heart disease	2	3.7
Developmental language disorder(expressive)	1	1.8
Pica	1	1.8
Stereotypic movement dis- order	1	1.8
Total	54	100

(strabismus), (Table 3). (bed wetting) (chief complaint) 가 19, 27 (inattention), (fecal soiling), (tic), (developmental delay) (Table 4).

Table 4. Reasons for admitting in the patients with enuresis

Chief complaint	Frequency	Percentage
Bed wetting	19	41.3
Inattention	5	10.9
Fecal soiling	3	6.5
Tic	2	4.3
Developmental delay	2	4.3
Other	14	30.4
Total	46	100

Other : adjustment problem, irritability, seizure, frequent urination, anxiety, abdominal pain, crying during sleep, head banging, nail biting, masturbation, etc

2. 유뇨증 환자의 자기개념, 불안, 우울에 대한 평가가 (Table 5).

1) 한국판 피어스-해리스 소아 자기 개념 척도(Piers-Harris Children's Self-concept Scale, Piers 1994)를 사용한 유뇨증 환자의 자기 개념평가(Table 6)

2) RCMAS(Revised Children's Manifest Anxiety Scale) 척도 및 소아 상태-특성 불안척도(State-trait anxiety inventory for children)을 사용한 불안 평가와 한국판 소아 우울척도(Children's Depression Inventory : CDI, Kovacs & Beck 1977)를 사용한 우울 평가(Table 7)

3) 유뇨증 환자군에서의 자기개념, 불안, 우울 척도 상호간의 상관성 비교(Table 8)

5가 (RC-MAS), (State anxiety scale), (Trait anxiety scale), (Child depression scale), (PH self - concept scale) 가 Table 8 .

Table 5. Piers-Harris self-concept, anxiety, depression scores of enuretic patients

Depression			Comorbidity			Self-concept				Anxiety
ID	Age	Sex	1	2	3	SUM-C	SUM-A	SUM-AS	SUM-AT	SUM-D
1	12	F	ADHD	-	-	57	18	31	36	14
2	15	F	DD	ODD	-	44	25	30	35	15
3	9	F	-	-	-	47	18	24	29	9
4	12	M	-	-	-	35	29	29	41	16
5	11	M	-	-	-	32	14	26	24	30
6	12	M	ADHD	ODD	-	52	14	32	23	9
7	7	F	AD	-	-	54	16	25	25	7
8	7	F	SDN	-	-	64	6	23	27	7
9	9	M	ODD	-	-	34	24	27	39	29
10	12	M	-	-	-	40	21	24	31	15
11	12	M	-	-	-	31	24	34	30	10
12	14	F	-	-	-	39	21	23	49	23
13	15	M	-	-	-	37	28	39	55	26
14	11	M	TD	ADHD	-	48	21	30	32	8

SUM-A : sum of RCMAS scale

SUM-AS : sum of state-anxiety scale

SUM-AT : sum of trait-anxiety scale

SUM-D : sum of child depression scale

SUM-C : sum of P-H self-concept scale

SDN : somatoform disorder NOS

AD : anxiety disorder

ADHD : attention deficit/hyperactive disorder

DD : depressive disorder

ODD : oppositional defiant disorder

TD : Tourette's disorder

Kline 1982),
 4, 5, 6 (1990)
 (Table 6). 14.7(7.3)
 가 ,
 (N = 14) 가 ,
 RCMAS
 Rho 가 0.68(p<0.007),
 Rho 0.53(p<0.05)
 가 , PH
 RCMAS Rho - 0.68(p<0.006),
 PH (CDI) Rho
 - 0.66(p<0.008)
 RCMAS Rho
 0.51(p<0.06)
 RCMAS 9.92 (N = 14)
 (6.18) , 28.35((Table 8).
 4.68), 34.00(9.40)
 (Table 7). 가
 , RCMAS (1990) , 가
 4 6 811
 13.61 , -
 (1989) 4 6 522 (ADHD),
 32.55 31.96
 (1990) (1989)
 가 ,
 가
 (M : F = 9 : 5) Fergusson Horwood(1994) 10
 (DSM - 1980) 3 blem), , (conduct pro-
 , 가 , ,) , ,
 가 (CDI) 가
 가 ,
 15.57 (Table 7). ,
 8 10 (Green 1980 ; 가

가
 .
) 가
 가

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Enuresis is repeated involuntary or intentional voiding of urine into bed or clothes over age 5. Though it would be a self-remitting disorder, it could be serious problem in emotional and socio-adaptational aspects. The author reviewed the enuretic patients of Child & Adolescence psychiatric section in Chungnam National University Hospital during past 3 years. 46(4.9%) of 936 patients were diagnosed as enuresis in DSM-IV. The author evaluated their comorbidity by the data of diagnostic review made in two psychiatrists, and emotional aspects (self-concept, anxiety, depression) through the self-rating scales (Piers-Harris children's self concept scales, RCMAS, state-trait anxiety inventory for children, child's depression inventory).

Thirty (65.2%) of the 46 enuretic patients had additional diagnoses such as attention deficit hyperactive disorder, mental retardation, encopresis, oppositional defiant disorder, depression, anxiety disorder, autism, somatoform disorder, tic disorder, obsessive-compulsive disorder, sleep disorder, etc. Sixteen enuretic patients had at least one comorbid disorder. Eleven patients had two, and three patients had more than three.

Fourteen of 46 enuretic patients were evaluated through self-rating scales of self-concept, anxiety and depression. But we couldn't obtain meaningful results. Maybe it was due to the small sample size (N = 14) and the influence of the comorbid disorders.

Finally, it was an impressive evidence that there exist many comorbid disorders in enuresis (esp. attention deficit/hyperactive disorder). In emotional aspects, the author thought that further evaluation should be needed for more meaningful results.

KEY WORDS : Enuresis · Comorbidity · Self-concept · Anxiety · Depression · ADHD.