

* . ** . ***

1. , 1999)
가 ,

(, 1980; Littlefield et al., 1992).
가

가 가 , 가
, , 가
가 (, 1980).
(, 1991).
3 4% 2025 가 가
가 3
(WHO, 1985). (1991) 가
7.9% , (1996)
1993 30 (, 1995).
7.2%, (1995) (Insulin Pump)
10.1% 가
가
19.2%,
18.5% (, 1999). 가
18.8% (, 1997).
가
,
가 (, 1991;

*
**

(Norris, 1998). DCCT (Diabetes Control and Complication Trial)

1-2 3-4
1 96%, 2 54%,
56%, 가 56%

가 가

2.

(Norris, 1997). 가

1)

2)

3)

(Norris, 1970).

4)

(Rubin, 1968),

5)

가

(Castledine, 1981), 가

3.

(Wassner, 1982).

(Norris, 1985; Rubin, 1985; Castledine, 1987; Wassner, 1988;
, 1999; Osgood, 1999),

(Stuart, 2001).

: 가

(Stuart, 1983),

(1969) Osgood(1957)

(semantic differential method)

가

(Norris, 1992; Rubin, 1994),
(Norris, 1999; Castledine, 2000), (Norris, 1999;
Rubin, 1998; Castledine, 1990; Wassner, 1988;
, 1994), (

가

1994), (Norris, 1985; Rubin, 1998;
Castledine, 1991), (Norris, 1994; Wassner, 1997;
Castledine, 1997), (Norris, 1998),
(Norris, 1997), 가

1.

(Norris, 1993)

(Norris, 1989; Rubin, 1994)

2000),

(Norris, 2000),
가 140mg/dl

가 200mg/dl
가
140-200mg/dl
(WHO, 1985).

(Type)

(Type)

(, 1984),

20 30%

(, 1983);

30-40

, 1999;

,2000).

가 가

가

가

(, 1998).

가

가

가

가

40-60%

70-120mg/ 100ml

(, 1992; , 1997).

가

30-60

가

가

(

가

(,

, 1976),

, 1990),

3

, 100

/ml

4

7

(

, , ,

2

).

가 가

가 50ml/dl

가,

(, 1997).

C- peptide

(, 1992).

가 가

(, 1995).

가
가
가

(Wassner, 1982; , 1992),
가 가 (, 2001).
(Anthony, 1968).
가 (1996) 가
(1987)
가 가 가
(, 1992),
가 (, 1985), 가 (, 1982, 1985; Kaufman, 1972). (1985)
가 (Wassner, 1982),
가 가 (, 1992).
Castledine(1981) 가 (Kaufman, 1972).
, Wassner(1982)
가
(, 1993). Wassner(1982)
가 (personality), (sex), , 1.
, 가
가 . NANDA(North 2.
America Nursing Diagnosis Association)
(Kim , 1987). B
(Norris, 1970) 60 60 120
(Brunner & Suddarth, 1982).
2 가

1998 4 15 8 20 . 53.3%, 46.67%, 48.3%, 가 51.7%

3.

41-50 23.33%, 7 51-60 38.34%, 61-70 25% , 10 , 15 41-50 20%, 51-60 36.67%, 61-70 28.33% 51-60 ,

1)

(1957) (1969) Osgood / 65%, / 60% 가, , 3 95% 15

“ ” 가 46.67%, 60% 가 7 15 38.33%, 105 가 15.00%, 28.33%, .8584 . 26.67%, 20%

4.

SPSS , 16.67%, 55%, 20%, 8.33%, 1) , 2-test 31.67%, 53.33%, 13.33%, 1.67% < 1>

2)

3)

, t-test 2.

4)

t-test, ANOVA, Scheffe test 1-2 6.67%, 3-5 18.33%, 6-10 16.67%, 11-15 26.67%, 16-20 23.33%, 21 8.33%, 1-2 16.67%, 3-5 16.67%, 6-10 28.33%, 11-15 13.33%, 16-20 16.67%, 21 8.33% 11-15 , 6-10

5.

78.33%, 21.67%, 56.67%, 43.33%

1.

가 (p = .035). 18.88%, 6.67%, 5%, 70%

< 1>

(N = 120)

	(N=60)		(N=60)		χ ² - test	p
		(%)		(%)		
	32	53.33	29	48.30	.300	.715
	28	46.67	31	51.70		
40	3	5.00	4	6.67		
41-50	14	23.33	12	20.00	.501	.922
51-60	23	38.34	22	36.67		
61-70	15	25.00	17	28.33		
71	5	8.33	5	8.33	3.240	.663
	21	35.00	24	40.00		
	39	65.00	36	60.01		
	2	3.34	3	5.00	4.221	.121
	58	96.66	57	95.00		
	3	5.00	3	5.00		
	11	18.33	7	11.67	4.274	.511
	28	46.67	36	60.00		
	16	26.67	10	16.67		
	2	3.33	4	6.67	8.255	.143
	11	18.30	17	28.33		
	17	28.33	15	20.00		
	23	38.33	16	26.67	6.608	.158
	9	15.00	12	20.00		
	17	28.33	9	15.00		
	33	55.00	32	53.33		
	10	16.67	19	31.67		

5%, 10%, 1.67%, 83.33% 가 65% 가 (p = .000).
 가 (p = .016). 68.33%
 ' ' 75%, ' ' ,
 25%, ' ' 55%, ' ' 45% 13-24 41.67% < 2>.
 가 가 3.
 (p = .031). ' 가 60% 69.08 ± 18.13(
 105 15)
 100% , 43.33%, 72.32 ± 17.00 , 65.85
 55%, 6.67% , ± 18.78
 ' ' 88.33%, (p < .05).
 ' 11.67%, ' 41.67%, ' 가
 ' 58.33% 가
 4.
 (p = .000).
 1-3 71.67%
 가 ,

< 2 >

(N = 120)

	(N=60)		(N=60)		χ^2 - test	P
		(%)		(%)		
1 - 2	4	6.67	10	16.67	9.965	.126
3 - 5	11	18.33	10	16.67		
6 - 10	10	16.67	17	28.33		
11- 15	16	26.67	8	13.33		
16-20	14	23.33	10	16.67		
21	5	8.33	5	8.33		
	47	78.33	34	56.67	6.672	.035*
	13	21.67	26	43.33		
	11	18.33	3	5.00	15.539	.016*
	4	6.67	6	10.00		
	3	5.00	2	3.34		
	42	70.00	49	81.63		
	45	75.00	33	55.00	6.923	.031*
	15	25.00	27	45.00		
	3	5.00	6	10.00	8.882	.261
	2	3.34	5	8.33		
가	6	10.00	3	5.00		
	3	5.00	7	11.67		
	2	3.34	2	3.33		
	44	73.32	37	61.67		
	60	100.00			31.829	.000***
			26	43.33		
			30	55.00		
±			4	6.67		
	53	88.33	25	41.67	31.829	.000***
	7	11.67	35	58.33		
1 - 3	43	71.67	14	23.33	44.520	.000***
4 - 6	6	10.00	4	6.67		
7 - 9	6	10.00	3	5.00		
0	5	8.33	39	65.00		
	41	68.33				
	12	20.00				
	7	11.67				
1 - 6	17	28.33				
7 - 12	17	28.33				
13 - 24	26	43.34				

* P<.05 ** p< .01 ***p< .001

< 3 >		(N = 120)			
		(N=60)	(N=60)	t	p
		±	±		
		69.08 ± 18.13	72.32 ± 17.00	1.998	.050*

* p .05

< 4 >		(N = 120)			
		(N=60)	(N=60)	t	p
		±	±		
1.	-	4.14 ± 1.61	4.07 ± 1.92	.207	.836
2.	-	5.58 ± 1.68	5.55 ± 1.75	.083	.934
3.	-	5.69 ± 1.78	6.03 ± 1.58	1.647	.102
4.	-	6.03 ± 1.58	5.28 ± 2.23	2.120	.036*
5.	-	5.51 ± 2.14	5.48 ± 1.81	.069	.914
6.	-	5.91 ± 1.76	4.75 ± 2.14	3.239	.002**
7.	-	3.53 ± 1.71	3.33 ± 2.26	.522	.603
8.	-	4.72 ± 2.03	3.91 ± 2.30	2.039	.044*
9.	-	3.24 ± 2.29	3.73 ± 2.50	-1.129	.261
10.	-	5.03 ± 2.18	4.60 ± 2.40	1.031	.305
11.	-	4.42 ± 1.91	4.07 ± 2.27	.927	.356
12.	-	4.41 ± 1.96	4.22 ± 2.30	.485	.628
13.	-	5.29 ± 1.97	4.57 ± 2.42	1.781	.077
14. 가	-	4.36 ± 2.14	3.45 ± 2.32	2.215	.029*
15.	-	4.46 ± 1.98	3.45 ± 2.39	1.179	.241

* : P<05 ** : P<01

6.03 ± 1.58 가 (t = 3.100, p = .012), (t = 2.444, p = .016) 가 < 5 >.
 2.29 가
 5.55 ± 1.75 가
 가 3.33 ± 2.26 가 < 4 >.

15 4
 (t = 2.120, p = .036), (t = 3.234, p = .002), (t = 2.039, p = .044), '가' (t = 2.215, p = .029) 61, 59, 61
 30%
 < 4 > 가

5. 가 : (Wikbald. 1996)
 가 가
 (t = 2.415, p = .017), (t = -2.434, p = .017), 가 60%
 (t = 6.008, p = .001) 가 42.33%,

< 5 >

(N = 120)

			±	t, F	P
		61	69.75 ± 17.37		
		59	68.40 ± 19.02	.163	.687
()	40	7	54.60 ± 10.06		
	41-50	26	68.50 ± 19.14		
	51-60	45	69.09 ± 18.69	.977	.435
	61-70	32	72.03 ± 17.90		
	71	10	69.99 ± 17.42		
		45	74.30 ± 13.91	2.415	.017*
		75	66.09 ± 17.42		
		4	47.75 ± 8.58	-2.434	.017*
		116	69.84 ± 18.02		
		6	55.00 ± 21.15		
		18	76.11 ± 15.87	1.460	.209
		64	67.71 ± 18.74		
		26	69.84 ± 15.99		
		6	74.25 ± 21.08		
		28			
		32	67.06 ± 18.53		
		39	72.37 ± 17.56	1.436	.217
		21	53.75 ± 6.02		
		26	78.17 ± 17.01	6.008	.001***
		65	68.95 ± 16.40		
		29	60.00 ± 19.33		
	1-2	14	70.08 ± 16.78		
()	3-5	21	74.43 ± 16.19		
	6-10	27	70.36 ± 17.52		
	11-15	24	65.21 ± 18.83	.808	.566
	16-20	24	69.75 ± 18.83		
	21	10	62.00 ± 24.82		
		81	67.28 ± 18.48	-1.593	.116
		39	72.89 ± 16.98		
		14	66.50 ± 20.38		
		10	64.30 ± 20.31	.970	.449
		4	65.00 ± 21.59		
		92	66.35 ± 16.25		
		78	70.28 ± 18.96	1.018	.311
		42	66.67 ± 16.26		
		9	74.33 ± 16.28		
		6	62.15 ± 15.64		
	가	9	68.22 ± 10.72	3.100	.012**
		10	60.56 ± 13.34		
		5	57.33 ± 6.66		
		81	71.32 ± 18.63		
		60	72.32 ± 17.00		
		26	64.96 ± 14.86	1.309	.275
		30	66.30 ± 21.80		
	±	4	68.00 ± 21.02		
		78	72.00 ± 17.80	2.444	.016*
		42	63.61 ± 17.67		

< 5 >		()		(N = 120)	
			±	t, F	P
()	0	44	64.23±18.04	1.943	.127
	1-3	57	71.95±17.97		
	4-6	10	73.40±18.45		
	7-9	9	74.00±14.02		
		41	70.27±19.33		
()		12	71.46±16.71	.888	.477
		7	78.56±15.80		
	1-6	17	69.35±19.74		
	7-12	17	74.82±18.56		
	13-24	26	72.79±14.38		

*:p<0.05, **: p< .01, ***; p<0.01

46.67% (1982)

11 (1998)

58.33%, 38.88%

30%

16.67% 가 가

(75%)

88%

41.67% (1992)

91.67%, 35% 1-3 (t = 2.215, p<.05), ' (t = 3.234, p<.05), ' (t = 2.039, p<.05), '가 (t = 2.215, p<.05)

15%가

68.33%

가

69.08(105)

(1985)

(1997)

(2001) 67.44 가

가
(t = 2.415, p < .05), (t = 6.008, p < .05),
(t = -2.434, p < .05), (t = 3.100, p < .05),
(t = 2.344, p < .05) 가

2. 69.08 ± 18.13

(t = 1.998, p < .05).

3.

(t = 2.120, p < .05), (t = 3.234, p < .05),
(t = 2.039, p < .05), '가 -
(t = 2.215, p < .05)

4.

(t = 2.039, p < .05), (t = -2.434, p < .05),
(t = 6.008, p < .05)

(t = 3.100, p < .05), (t = 2.444, p < .05)

(2001)
가
(1998)

가

'가 - ' 가

1998 4 15 8 20

B

120

60

60

(1969) Osgood(1957) (semantic differential method)

SPSS

ANOVA, Scheffe-test, 2-test, t-test,

1) 가

2)

가

1.

가

(1992). _____ 가 _____

(1993). _____
 _____ :
 (1998). _____ , _____ , 9(1),
 128-142
 (1995). _____ (7), 14-19
 , (1999). _____
 _____ , 22, 33-46
 , _____ (1988).
 _____ , 9, 52-60
 (1987). _____ , _____
 _____ , 4(1), 1-14
 (1980). _____ .
 (1991). _____ :
 (1999). _____ , 3(1),
 89-104
 (1989). _____ 2
 _____ 4

 (1998). _____
 _____ , 28(1),
 132-142
 (1998). _____ :
 (1984). _____ 가

 _____ , _____ , _____ , _____ , _____ , _____ ,
 _____ (1996). _____ , _____ , 20, 14.
 _____ (1994). _____ , _____ , 18(1), 31-39
 (1994). _____ , _____ , 27(3),
 425-437
 (1986). _____

(1997). _____ (5), 23-27
 (1998). _____
 (1997). _____
 (2000). _____ :
 (1997). _____
 (1992). _____
 _____ :
 (1987). _____ , _____
 _____ :
 (1992). _____ (Type)
 _____ 가 _____ , _____ 가
 _____ , 45(1), 347-354
 (2001). _____ , _____
 (1993). _____
 _____ :
 (1988). _____
 _____ -
 (1996). _____
 _____ :
 (1997). _____ 가
 _____ :
 (1993). _____ 가
 _____ :
 (1999). _____ , _____ , 3(2,)165-175
 (1998). _____ (2), 6-9
 (1998). _____ (10), 11-14.
 (1992). _____
 _____ :
 (1984). _____
 _____ :
 (1994). _____
 _____ 가 _____ -

(1997). _____, _____, _____, _____.

(1992). _____, _____, 23(3), 271-296

(1990). _____

(1995). _____, 48(6), 1-8

(1991). _____

(1988). _____ (7), 163-181

(1985). _____

(1985). _____ (3), 119-142.

(1991). _____ 2

(1986). _____

(1968). _____ :

(1985). _____

(1994). _____

(1998). _____ 가

(1993). _____ 가

(1997) 가 (BSE) BSE, _____, 1(2), 183-191

(1999). _____, 가

(2000). _____, 6(1), 96-108

(2001). _____ 가

_____ 13

(1999). _____ 2

_____ , 32(1), 17-23.

(1981). _____, 24

(12), 95-105.

(1999). _____

(1997). _____

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- Abstract -

Key concept : Body image, Diabetes mellitus patients who used insulin pump therapy

Comparison of Body Image between DM patients who used Insulin Pump and didn't use Insulin Pump

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*Woo, kyung-mi****

The purpose of study was to compare body image between diabetes mellitus patients who used insulin pump therapy and didn't use insulin pump therapy.

The study design was comparative survey study the subjects were 60 diabetes mellitus patients who used insulin pump therapy and 60 diabetes mellitus patients who didn't use insulin pump therapy at B hospital in Busan

The data were collected from 15th April to 20th August, 1998.

The instrument used for this study were Osgood's body image scale.

The collected data were analyzed frequency, percentage, χ^2 -test, mean, standard deviation, t-test, ANOVA, Scheffe test.

The results were as follows

1. Demographical characteristics between diabetes mellitus patients who used insulin pump therapy and didn't use insulin pump therapy were no significant difference.
2. Characteristics related disease between diabetes mellitus patients who used insulin pump therapy and didn't use insulin pump therapy were significant difference in participation of D.M. meeting, no of participation of D.M. meeting.
3. Body image score of diabetes mellitus patients was 69.08 ± 18.13 .
In body image, diabetes mellitus patients who used insulin pump therapy were higher than that didn't use insulin pump therapy ($t = 1.964, P < .05$)
4. In body image's each item, common-strange item, noble-humble item, competent-incompetent item, light-heavy item, diabetes mellitus patients who used insulin pump therapy were higher than diabetes mellitus patients who didn't use insulin pump therapy ($P < .05$)
5. In body image according to economic status, marital status, occupational status were significantly difference.
6. In body image according to causes of regular hospital visiting, participation of diabetes mellitus class were significantly difference.

In conclusion, diabetes mellitus patients who used insulin pump therapy were more positive than diabetes mellitus patients who didn't use insulin pump therapy.

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