



Original Article

Factors Related to Neonatal Suckling in the Initiation of Breastfeeding in Primiparous Mothers

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Abstract

Purpose: This study was conducted to discover the related factors of neonatal suckling in the initiation of breastfeeding in primiparous mothers and to provide basic data for promoting nursing intervention strategies to improve the practice of breastfeeding. **Method:** The subjects of this study were 71 primiparous mothers who had normal vaginal deliveries at one obstetric hospital in P metropolitan city and one delivery center in J city. The collected data was analyzed using the SPSS program. **Result:** The average IBFAT (Infant Breastfeeding Assessment Tool) score was 9.6 ± 2.3 . The general characteristics studied that had a significant influence on neonatal suckling in the initiation of breastfeeding were the place of delivery (ex: Hospital, Postnatal Unit), whether oxytocin was used, no usage of analgesic medication, amount of satisfaction after the first breastfeeding weight of the newborns and the Apgar score at one minute. **Conclusions:** A higher IBFAT score was related to primiparous mothers who had a hospital delivery, received oxytocin, received maternal labour analgesics, neonatal weight, Apgar score at one minute, and satisfaction after the first

breastfeeding.

Key words : Initiation of breastfeeding, Primipara

가 , 가, , , , 가 (Lee et al., 2003). 가 2 , 1966 18% 가 1970-1980 LLL(La Leche League) , UNICEF, WHO 1984 64% (WHO, 1981). (

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) 1997 14.1% 2000 10.2%
 1997 52.5% 2000 65.0%
 1997 33.4% 2000 24.8%

1997 66.6% 2000 75.2% (Kim, Jo, Lee, Kim & Song, 2000).
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UNICEF
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 9.7%
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 (Cho, 1992; Evans, Lyons & Killien, 1986; Kurinij & Shiono, 1991; Kim, 1995; Oh, Park & Im, 1994).

가
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(regional anesthesia) 가
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 가 (Murray, Dolby, Nation & Thomas, 1981; Sepkoski Lesler, Ostheimer & Brazelton, 1992).
 (2001)

(rooting reflex), (sucking reflex), (swallowing reflex) 3
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4-6

(Jung, 2003; Kim & Park, 1993; Lee, 1995; Park et al., 1999; Unicef Korea Committee, 1993).

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 (Cecilia, Ingegerd, Harriet & Ingela, 1998),

(Shin,1998),
 가 (Ahn, 1998).

- 1.
- 2.
- 1)

1 B J
 (Yu, 1997)

2) 30 1 가 Matthews(1988)가 (2002) IBFAT(Infant Breast Feeding Assessment Tool) 가 4가

(Unicef Korea Committee, 1993) Matthews(1988)가 IBFAT(Infant Breastfeeding Assessment Tool) 1-2 4가 가

1. 가 3 가 0 가 1 가 2 가 3 가 10 가 1 가 2 가 3 가 0 가 1 가 2 가 3 가

2. IBFAT B J 가 75 2 2 가 10 가 10

1) Matthews(1988) Matthew(1989) (inter-rater reliability) 91%, 100% (Spearman) 가 3 가) .95 (p< .001). 4.

2) 2003 11 3 2004 3 10 1 6 1 SPSS/Win 10.0

3. 1)

ANOVA

5. 가

1. 가

57 (80.3%), 가 48 (68.6%), 200
 가 31 (53.4%), 29.55
 (4.02)

119.14) 가 36 (50.7%),
 가 30 (42.3%),
 가 41 (57.7%), 가
 가 41 (57.7%), 가 53
 (74.6%), 1-2
 가 33 (46.5%)
 가 38 (53.5%),
 3274gm(355.26),
 39.7 (.87) . 1 Apgar
 9.39 (.57), 5 Apgar 9.97 (.16)

10.06 (5.45), 49.01
 (24.44), 5.03 (1.84), 가 43
 (60.6%), 가 68
 (95.8%) <Table 1>

<Table 1> Characteristics of study subjects (N=71)

Characteristics	Category	Frequency (%)
Demographic		
Education	<High school	14(19.7)
	>Junior college	57(80.3)
Occupation	Yes	22(31.4)
	No	48(68.6)
Family income (1,000won/month)	<200	27(46.6)
	>200	31(53.4)
Age(years)*		29.55± 4.02
Delivery		
Delivery time(min)*		506.7 ±119.14
Oxytocin	Yes	36(50.7)
	No	35(49.3)
Analgesia (Epidural anesthesia)	Yes	41(57.7)
	No	30(42.3)
Delivery place	Hospital	41(57.7)
	Midwifery station	30(42.3)
Prenatal class attendance	Yes	30(42.3)
	No	41(57.7)
Induction	Yes	18(25.4)
	No	53(74.6)
Postpartum place (1-2wks)	Postnatal Unit	20(28.2)
	native home or husband home	33(46.5)
	Home	18(25.3)
Infant		
Gender	Boy	38(53.5)
	Girl	33(46.5)
Birth weight(gm)*		3274.8 ±355.6
Gestational age(wks)*		39.67± .87
Apgar score*	1min	9.39± .57
	5min	9.97± .16
Breast feeding		
Planning duration(month)*		10.06± 5.45
First sucking time(min)*		49.01± 24.44
Breast feeding education	Yes	28(39.4)
	No	43(60.6)
First Breast feeding satisfaction	Yes	68(95.8)
	No	3(4.2)

* Mean±SD

<Table 2>

<Table 2> Neonatal sucking in the initiation of breastfeeding and duration (N=71)

	Mean ± SD	Range
IBFAT(score)	9.85 ± 2.34	(3 - 12)
Breastfeeding duration(wks)	5.03 ± 1.84	(1 - 6)

* IBFAT(Infant Breastfeeding Assessment Tool)

3.

($t=-3.06$, $p<.003$), () ($t=-4.19$, $p<.010$),
 ($t=-5.54$, $p<.001$), ($t=17.58$, $p<.001$),
 ($r=.350$, $p<.003$), Apgar 1 ($r=.421$, $p<.001$)

가 () 9.85±2.34 (3, 12) 가 가 0
 12
 , Apgar 1 5.03±1.84 (1, 6)
 가 가 Riordan, Aimee, Krumwiedw Melin(2000)

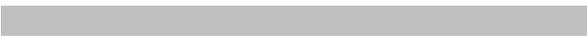
<Table 3>.

가 9.0 (

<Table 3> IBFAT score according to the subject's characteristics (N=71)

Characteristics	Category	IBFAT Mean±SD	F/t/r	P
Demographic				
Education	<High school	10.14±2.85	.441	.661
	>Junior college	9.82±2.31		
Occupation	Yes	9.84± 2.10	- .005	.996
	No	9.84± 2.55		
Family income(1,000won/month)	<200	29.55± 4.02	r= .177	.140
	>200			
Devery				
Delivery time(min)		506.7 ±119.14	r= .002	.989
Oxytocin	Yes	9.04± 2.74	-3.060	.003**
	No	10.67± 1.62		
Analgesia(Epidural anesthesia)	Yes	8.47± 2.69	-4.191	.010**
	No	10.78± 1.62		
Delivery place	Hospital	8.80± 2.55	-5.536	.000***
	Midwifery	11.27± 1.08		
Prenatal class attendance	Yes	10.12± 2.02	.818	.416
	No	9.65± 2.63		
Induction	Yes	9.64± 3.17	- .345	.733
	No	9.92± 2.09		
Postpartum care place(1-2wks)	Postnatal unit	9.80± 2.40	.268	.766
	Native home	9.68± 2.40		
	Home	10.19± 2.46		
Infant				
Gender	Boy	9.93± 2.67	.335	.738
	Girl	9.74± 2.55		
Birth weight(gm)		32.74± .35	r= .350	.003**
Gestational age(wks)		39.67± .87	r= .198	.098
Apgar score	1min	9.37± .57	r= .421	.000***
	5min	9.97± .16	r= .079	.515
Breast feeding				
Planning Duration(month)		10.06± 5.45	r= .100	.404
First sucking time(min)		49.01± 24.44	r=-.093	.439
Breast feeding education	Yes	10.46± 1.99	1.790	.078
	No	9.44± 2.56		
First breast feeding satisfaction	yes	10.13± 2.02	17.508	.000***
	No	3.50± .50		

* $p<.05$, ** $p<.01$, *** $p<.001$



0-12)
72%, 2

6 가
18%

Crowell, Hill

Humenick(1994) 48

Riordan (2000)

3

(mephedrine)

, Apgar 1 가

가
(2001)

() ,

, Apgar 1

가

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Park(2001)

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B

가

I J

71

Riordan (2000)

Matthews(1988)가

(2002)가

IBFAT

2003 11 3 2004 3 10

가

가

가

Matthew(1989)

SPSS/Win 10.0

, t-test, ANOVA

38

9.9

Alphaprodine(Nisentil)

5.0

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