

2002 6

윤혜영의 석사 학위논문을 인준함

심사위원 _____ 인

심사위원 _____ 인

심사위원 _____ 인

연세대학교 대학원

2002년 6월 일

가

가

가

3.	.....	15
4.	.....	16
5.	.....	18
.	.....	19
1.	.....	19
2.	.....	21
3.	.....	23
.	.....	27
.	.....	32
1.	.....	32
2.	.....	33
	.....	35
	.....	41
	.....	177

1.	.....	19
2.	.....	20
3.	.....	21
4. 10	.....	22
5.	.....	23
6.	.....	25

1.	17
----	-------	----

1.	.....	41
2.	.....	43
3.	.....	45
4.	.....	48
5.	.....	53
6.	.....	62
7.	.....	108

21

Y 5 , North American
3 가 55 Nursing Diagnosis Association(NANDA)

Nursing Intervention Classification(NIC)

가
가 55 5
3

NIC

가

▪

1.

가
 , , 가 .

·

(, 2000; ,
1995).

가 . 21

가 가
 . 가

, 가 (, 1994).

(, 1986),

(, 1994).

4

가

가

가

(Synder, 1992).

(North American Nursing Daignosis Association, NANDA)

Iowa

(Nursing Interventions

Classification: NIC)

가

가

가

(1989)

23.9% 가

51.5%

(97%)

(1997)

가

(Fitzpatrick, 1998).

Whitley, Gulanick(1996)

가

1/3

가

(, , , 1993).

/

가

(, 1999).

(1998), (1997), (1997)
NIC

가

, (2001).

2.

3.

1)

가 , 가 (Paley, 1995).
3 가
NIC
가

2)

가 가
가 (Society of
Critical Care Medicine, 1999), 18

4.

Y

5

1.

1950 Louise McManus
(Gordon, 1979). 1960
가 가
(Komorita, 1963), 1973
(McDonald, 1985),
1 . 1978 NGCND(National Group for the
Classification of Nursing Diagnosis)
, / (Gordon, 1979). 1982
(North American Nursing Diagnosis Association, NANDA)가
, 1984 6
(
, 1988).

. Gordon(1976)
가 , 가
,
가 가
가
Kim, McFarland & McLanel(1995)
, 가 , 가

2.

(Action), (Intervention), (Treatment), (Therapeutics),
(Order) (Implementation) 4

Gordon(1987)

가

, Watson(1985)

(Caring Process)

Synder(1992)

가

가

Bulechek, McCloskey, Titler Denehy(1994)

가

, 가

가

가

가(Job Performance Evaluation)

(Patient Classification)

(Synder, 1992).

(NANDA)

lowa Intervention Project, 1993). (, 1997;

가 가
가 가
가 (, 1997;
Moorhead, McCloskey & Bulechek, 1993).

가
가
(McCloskey, 1997b).

(Marrelli, 1994),
가

가

(Holistic Care)

가
(Naming), (Describing) , (Classifying)
가 Benner

8 (Benner, 1984), Omaha (Martin & Scheet, 1992),
The National Council of State Board (Kane, et al., 1986),
Sigma Theta Tau (Sigma Theta Tau International Honor Society of

Nursing, 1987), Saba 가 (Saba et al., 1991), Grobe
(Grobe, 1996),
(International Council of Nurses, 1996) McCloskey Bulechek(1996)
가 . 가 McCloskey Bulechek
(Nursing Interventions Classification: NIC)가 가
.
(Nursing Interventions Classification) National
Center for Nursing Research Iowa
NIC(Nursing Interventions Classification)
가 (McCloskey, 1997a).
NIC 가
,
,
,
3
(3-Tiered Taxonomy), 가 7 (Domain), 30
(Class), 가 486 .
Domain(7) - 가
: , : , , , 가 ,
,
Class(30) -
,
가 , , 가 , ,
, 가 , - , , , ,
, , / , , , , ,
, , , , , , , ,
, , , , , , , ,
, , , , .

Intervention(486) - 가

가

(Iowa Intervention Project, 1996).

가

가

NIC 가

가

가

(Iowa Intervention Project, 2000).

가

가

3.

가

가

4.

NIC
 Denehy(1994) 336 NIC
 가 가 36 가 50%
 1
 90% 가 43 , 85%
 가 23 336
 80%
 Titler, Bulechek & McCloskey(1996) NIC
 NIC 1 336 49
 1 , 226 50%
 1
 Robbins(1997) NIC ,
 NIC ,
 , NIC 가
 (1996), (1997),
 (1997), (1998), (1999), (1998), (1999), (2000),
 (2001), , , (2002), , , (2001)
 .
 (1996) 336
 2 443
 336 가
 21 가 1 .
 (1997) NIC 가 433

NIC 5 43
3 NIC 201
가 . (1998) 3
90
1 가 26 , 37
가 50% 가
280 .
NIC 가
가
. NIC
(1997), , (1999), (1999), (2001)
가 .
(1997) 가
. NIC
(1999)
(1999)
(1999) , (2001)
가 .
가 .
NIC (Titler, Bulechek & McCloskey(1996), (1997),
(1997), (1998)) NIC (Robbins(1997))

NIC 3

4

2)

10 NIC(3 , 2000)
(suggested nursing intervention) 256 ,

233

(2002)

가

3)

1609 , NIC 2 NIC 3
(, 1998)

4

4.

		가
		3 55
		3 5 22
	가	5 2
	가	3 5 22

< 1.>

1)

2002 5 15 5 27

3 55

CVI(Index of Content Validation)

.90 가

2)

2002 5 31 6 9

가 가

NIC 3

(priority intervention)

3)

NIC 3

, NIC 2 (, 1998)

5 가 2

.

, , , 가 (,

1999).

4)

2002 6 14 6 22

가 가 CVI

.83 가 (Lynn, 1986)

.

5.

- 1) .
- 2) 4 1.0 .90
- 3) .
- 4) 4 1.0 .83

1.

3

55

< 1> n = 55

(%)

()	26-30	35 (63.6)
	31-35	12 (21.8)
	36-40	5 (9.1)
	41-45	2 (3.6)
	46-50	1 (1.8)
()	3-5	17 (30.9)
	6-10	27 (49.1)
	11-15	6 (10.9)
	16-20	4 (7.3)
	21	1 (1.8)
()	3-5	24 (43.6)
	6-10	26 (47.3)
	11-15	2 (3.6)
	16-20	2 (3.6)
	21	1 (1.8)
	3	22 (40.4)
	4	28 (50.9)
		5 (9.1)

< 1> 26-30
 35 (63.6%) 가 31 (26 -47) .
 3 -21 6 -10 27 (49.1%) 가
 8.4 . 3-21
 6 -10 26 (47.3%) 7.1 .
 , 115
 .70-.79 42 (36.52%) 가
 .49 1 .
 .49-.95 < 2> .

< 2> n = 115

	(%)
.40-.49	1 (.87)
.50-.59	6 (5.21)
.60-.69	29 (25.22)
.70-.79	42 (36.52)
.80-.89	27 (23.48)
.90-.99	10 (8.70)

.90 10
 , ,
 , 가 , ,
 , < 3> .

가 49 10 67
 , < 4> .
 233 < 5> .
 가 90-99% 가 85 가 40-49%
 ,
 가 33% 32% .

< 5>

n = 233

	(%)								
	100	90-99	80-89	70-79	60-69	50-59	40-49	30-39	
가	18	4	4	4	3	1	2	0	0
	17	4	7	2	3	1	0	0	0
	12	5	3	3	0	0	1	0	0
	12	2	3	5	2	0	0	0	0
	20	0	8	2	4	1	3	0	2
	52	5	20	18	3	5	1	0	0
가	15	0	9	4	1	0	1	0	0
	29	1	14	10	4	0	0	0	0
	27	7	8	4	5	1	2	0	0
	31	4	9	9	6	3	0	0	0
	233	32	85	61	31	12	10	0	2

3.

1)

67 NIC 3 1609 .
 , NIC 2 (, 1998) ,

5

가

2

10 , 67 , 1609

2)

가

CVI .83

CVI .83

1609

979

.83

10 , 66

, 979

979

426 43.5%

가

가 , 가 ,

.83

< 6>

< 7>

,
 .
 ' 가
 , ' 가 가
 . 가
 , ' (chil lift or jaw thrust
 technique) ' 가 가 .
 ' , ' ,
 ,
 ' / ' 가 ,
 , ' , ' ,
 20
 ' 가 가 .
 ' , ' ' 가 가
 ' , ' ,
 ' , ' ' 가
 (trapeze) ' , ' ,
 ' , ' , A, B,
 C, , ' , ' 가
 , 가
 ,
 가 가 .

Y
 1 2 , 3 55
 10 , , 가
 .90
 (, 1994)
 204 30%
 .81, .77, .85 10
 가 , 10
 4
 가 가 가 가 가
 (2000)
 10 가

32 NIC
: 45 .
67 .
(1999)
가 , :
, : , , : , :
, : , , : , :
, : , : , :
: , : , :
: , : : 가
80% .
(1999)
, , 가 (, 1999),
가 가 .83 426
43.5%
가 .
(1997) 5 , ,
, , 가 , 가
, 가

(, 1997).

가 ,

(, 1999).

.
 .
 ‘ , , ‘
 , , ‘
 / ‘ 가 ,
 , ‘ , , ‘
 20 ‘ 가 가
 ‘
 , , ‘ ‘ 가 가
 ‘
 , , ‘ , , ‘
 ‘ , , ‘ 가
 (trapeze) , , ‘
 , , ‘ , , A, B,
 C, , , ‘ 가
 , 가
 가 가
 .
 가
 가

(, 2001). 가

가 가 ,
가
가 .

1.

Y 5 3
55 , 5 22
3 가
2002 5 15 6 22 ,
, , 가 , , ,
10 , 가
32 NIC 3 , 45
67 . , 가 CVI .83
979 . , .83
10 , 66 , 979
10 4
(, , 가 ,)
가 가 가 가 가

426 43.5%
가

가 가

, 가
가

가 가 ,
가
가

2.

1)

2)

3)

, , , (1998). (NIC)
. _____ . 28(2), 457-467.

, (2001). NIC 가
. 가 _____, 8(1), 25-37.

(1999). _____ (NIC) _____

, , , , , , , , ,
(1989). _____ .
19(1), 24-39.

(1994). _____ .
_____, 6(1), 70-79.

(1986). _____, 25(1), 10-15.

, , , , , (1998). 가
, _____, 12(1), 75-96.

(1999). _____, 14(2), 97-100.

, , , , (1996). _____ .
_____, 11(1), 49-55.

(1996). _____, 35(1),
64-65.

(1999). (NIC) -
-. _____, 29(2), 346-360.

, , , , (1998). _____ . : .
, (2001). -3 NIC
-. _____, 7(2), 161-178.

, , (1996). _____ .
_____, 11(2), 191-197.

(2001). NIC _____ . _____
_____, _____, 51-52.

, , , , , (1988). _____.
 : .
 (1987). _____, 26(1), 38-42.
 (1999). _____
 가.
 (2000). _____.
 .
 , , , , , (1997).
 . _____, 35(4), 37-50.
 , , (2002). 3 (NIC)
 . _____,
 , 173-174.
 (1999). _____ 가.

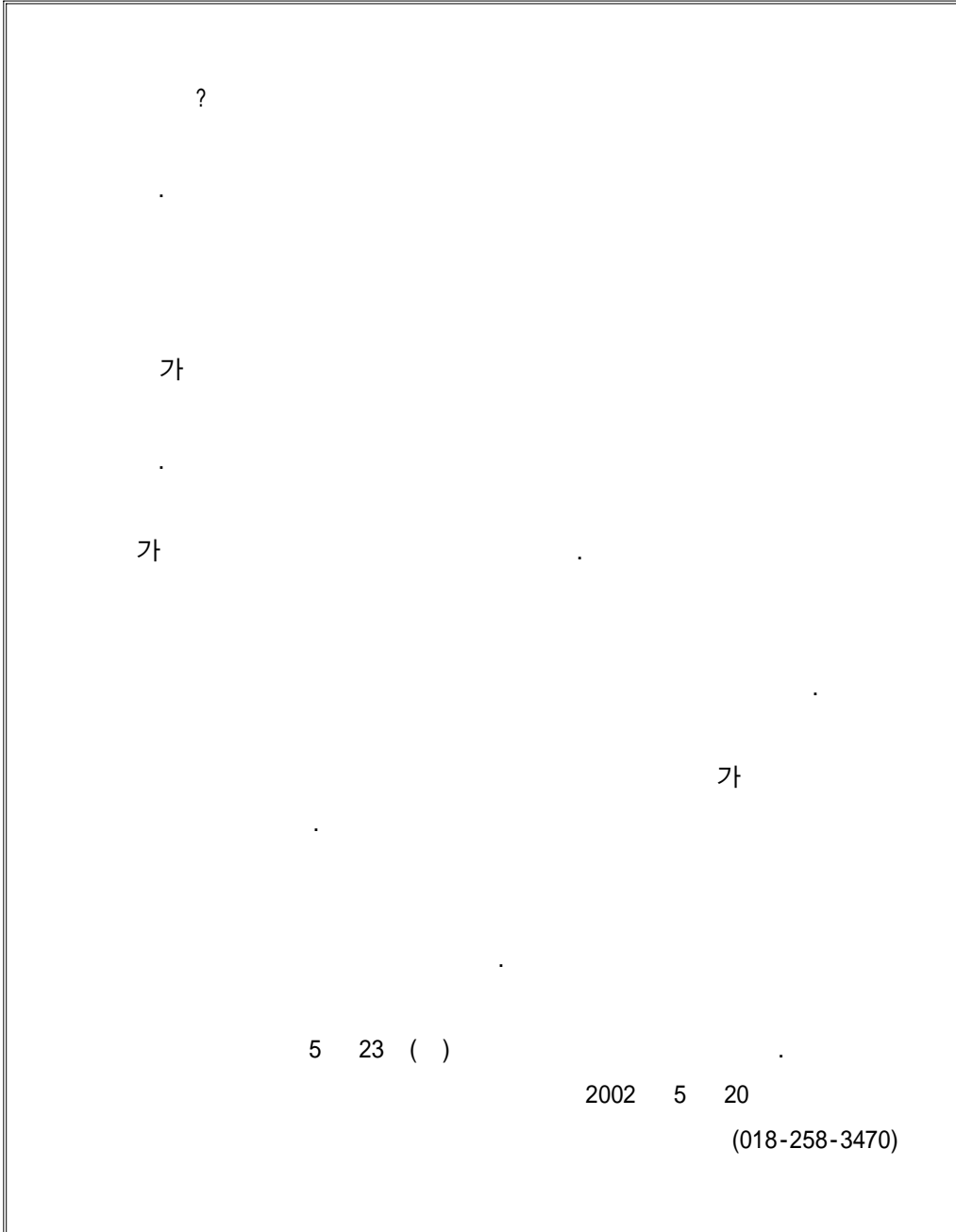
- Benner, P. (1984). From novice to expert. Menlo Park, Calif, Addison-Wesley.
- Bulechek, G. M. & McCloskey, J. C., Titler, M. & Denehy, J. A. (1994).
 Report on the NIC project: Nursing interventions used in practice.
American Journal of Nursing, 94(10), 59-66.
- Brown-Stewart, P. (1991). Quality Assurance and the Critical Care Nurse.
Critical Care Nursing, 11(9), 34-37.
- Feild, L. (1979). The implementation of nursing diagnosis in clinical practice.
Nursing Clinics of North America, 14(3), 497-507.
- Fitzpatrick (1998). Challenges in Caring for the Public's Health: Focus on
 Home Care Nursing. 3 가
- Gordon, M. (1976). Nursing diagnosis & the diagnosis process. American
 Journal of Nursing, 76(8), 1298-1300.
- Gordon, M. (1979). The Concept of nursing diagnosis. Nursing Clinics of North
 America, 14(3), 1-15.

- Gordon, M. (1987). Nursing diagnosis(2nd Ed.). New York; McGraw-Hill.
- Iowa Intervention Project (1993). The NIC taxonomy structure. Image: Journal of Nursing Scholarship, 25(3), 187-192.
- Iowa Intervention Project (1996). Nursing Interventions Classification(NIC).(2nd ed.) St. Louis: Mosby
- Iowa Intervention Project (2000). Nursing Interventions Classification(NIC).(3rd ed.) St. Louis: Mosby
- Kane, M. et al. (1986). A study of nursing practice and role delineation and job analysis of entry-level performance of registered nurses. Chicago, National Council of State Boards of Nursing.
- Kim, M. J., McFarland, G. K., & McLane, A. M. (1995). Pocket Guide to Nursing diagnosis(6th ed). St. Louis: Mosby.
- Kim, M. J., McFarland, G. K., & McLane, A. M. (1997). Pocket Guide to Nursing diagnosis(7th ed). St. Louis: Mosby.
- Komorita, N. (1963). Nursing diagnosis. American Journal of Nursing, 63(12), 83-86.
- Lynn, M. R. (1986). Determination and quantification of Content Validity. Nursing Research, 35(6), 382-385.
- Marrelli, T.M. (1994). Home health standard and documentation guideline for reimbursement. St. Louis: Mosby
- Martin, K. S., & Scheet, N. J. (1992). The Omaha system: application for community health nursing. Philadelphia, Saunders.
- McCloskey, J. C. (1997a). Development of nursing interventions classification(). _____, 21-23.
- McCloskey, J. C. (1997b). Use of NIC in practice including overview of a model and issues related to computerization and documentation(). _____, 27-40.

- McDonald, B. R. (1985). Validation of three respiratory nursing diagnosis. Nursing Clinics of North America, 20(4), 697-709.
- Moorhead, S. A., McCloskey, J. C., & Bulechek, G. M. (1993). Nursing interventions classification: A comparison with the Omaha systems & the Home health care classification. JONA, 23(10), 23-29.
- Robbins, B. T. (1997). Application of Nursing Interventions Classification(NIC) in Cardiovascular Critical Care Unit. The Journal of Continuing Education in Nursing, 28(2), 78-82.
- Paley, G. (1995). A framework for clinical protocols. Nursing Standard, 9(21), 33-35.
- Saba, V. K., et al., (1991). A nursing intervention taxonomy for home health care. Nursing and health care, 12(6), 296-299.
- Sanford, S. J. & Disch, J. M. (1987). Standards for Nursing Care of the Critically Ill, (2nd ed.). Colombia: AACN Publication.
- Synder, M. (1992). Independent Nursing Interventions.(2nd ed.). Albany, NY: Delmer
- Synder, M. (1993). Theoretical and research perspectives on the essence of nursing intervention. . 7 12 -13 .
- Task Force of the American College of Critical Care Medicine, Society of Critical Care Medicine(1999). Guidelines for Intensive Care Unit Admission, Discharge and Triage. Critical Care Medicine, 27(3), 633-638.
- Titler, M. G., Bluecheck, G. M. & McCloskey, J. C. (1996). Use of the Nursing Interventions Classification by critical care Nurses. Critical care Nurses, 16(4), 38-54.
- Watson, J. (1985). Nursing: Human science and human care. Norwalk, CT: Appleton-century Crofts.

Whitley, G. G. & Gulanick, M. (1996). Barriers to the Use of Nursing
Diagnosis Language in Clinical Settings. Nursing Diagnosis, 7(1), 25-32.

< 1 >



< 1> ()

18

' V'

1	:(Activity intolerance) 가				
2	:(Risk for activity intolerance)				
3	:(Impaired adjustment)				
4	:(Ineffective airway clearance)				
5	:(Anxiety)				
6	:(Risk for aspiration) 가				
7	Dysreflexia) : T8 (Risk for Autonomic				
8	:(Body image disturbance)				
9	temperature) :(Risk for altered body				

?

1 ICU

3 10 55 10

18

' V'

6 7 ()

2002 5 29

(018-258-3470)

< 2>

()

**1.
(Infection, Risk for)**

1	(Bathing)		
2	(Communicable Disease Management)		
3	(Cough Enhancement)		
4	(Electrolyte Monitoring)		
5	(Environmental Management)		
6	(Exercise Promotion)		
7	/ (Fluid / Electrolyte Management)		
8	(Immunization / Vaccination Management)		
9	(Infection Control)		
10	: (Infection Control : Intraoperative)		
11	(Infection Protection)		
12	(Medication Prescribing)		
13	(Nutrition Management)		
14	(Perineal Care)		
15	(Positioning)		
16	(Skin Surveillance)		
17	(Surveillance)		
18	(Wound Care)		
19	: (Wound Care : Closed Drainage)		

1.
(Infection, Risk for)
:
가

< 3 >

()

1-1.
(Enviromental Management)

1					
2					
3	(,)				
4					
5					
6					
7					
8	(step stool)				
9	가 가 가				
10					
11	가				
12					
13					
14					
15					
16					
17					
18					
19	가				
20					
21					

1	(Activity intolerance)	.75
2	(Risk for activity intolerance)	.75
3	(Impaired adjustment)	.75
4	(Ineffective airway clearance)	.95
5	(Anxiety)	.85
6	(Risk for aspiration)	.92
7	(Risk for Autonomic Dysreflexia)	.65
8	(Body image disturbance)	.67
9	(Risk for altered body temperature)	.78
10	(Bowel incontinence)	.79
11	(Ineffective breathing pattern)	.92
12	(Decreased cardiac output)	.79
13	(Caregiver role strain)	.78
14	(Risk for Caregiver role strain)	.71
15	(Impaired verbal communication)	.84
16	(Confusion, acute)	.82
17	(Confusion, chronic)	.71
18	(Constipation)	.83
19	(Constipation, colonic)	.70
20	(Perceived constipation)	.58
21	(Risk for constipation)	.73
22	(Defensive coping)	.70
23	가 가 (Coping, family: potential for growth)	.70
24	가 (Ineffective family coping : Compromised)	.80

25	가 :	.71
	(Ineffective family coping: disabling)	
26	(Ineffective individual coping)	.68
27	(Death Anxiety)	.85
28	(Decisional conflict(specify))	.70
29	(Ineffective denial)	.74
30	(Diarrhea)	.87
31	(Risk for disuse syndrome)	.79
32	가 (Diversional activity deficit)	.55
33	(Dysreflexia)	.67
34	가 (Altered family processes)	.71
35	(Fatigue)	.72
36	(Fear)	.84
37	(Fluid volume deficit)	.90
38	(Risk for fluid volume deficit)	.87
39	(Fluid volume excess)	.86
40	(Risk for fluid volume Imbalance)	.88
41	가 (Impaired gas exchanging)	.90
42	(Anticipatory grieving)	.70
43	(Dysfunctional grieving)	.67
44	(Chronic Sorrow)	.67
45	(Altered health maintenance)	.70
46	(Health-seeking behaviors(specify))	.64
47	(Hopelessness)	.75
48	(Hyperthermia)	.85
49	(Hypothermia)	.85
50	(Functional Incontinence)	.70
51	(Reflex Incontinence)	.64
52	(Stress incontinence)	.62

53	(Total incontinence)	.65
54	(Urge incontinence)	.63
55	(Risk for Urge incontinence)	.60
56	(Risk for infection)	.95
57	(Injury perioperative positioning, risk for)	.76
58	(Risk for injury)	.84
59	(Knowledge deficit(specify))	.77
60	(Loneliness, risk for)	.67
61	(Ineffective management of therapeutic regimen)	.67
62	(Memory, impaired)	.69
63	(Impaired physical mobility)	.81
64	(Nausea)	.79
65	(Noncompliance(specify))	.72
66	(Altered nutrition : Less than body requirements)	.86
67	(Altered nutrition : More than body requirements)	.69
68	(Altered nutrition : Risk for more than body requirements)	.64
69	(Altered oral mucous membrane)	.85
70	(Pain)	.92
71	(Chronic pain)	.74
72	(Risk for peripheral neuro vascular dysfunction)	.81
73	(Personal identity disturbance)	.66
74	(Risk for poisoning)	.60
75	(Post trauma syndrome)	.71
76	(Risk for Post trauma syndrome)	.67

77	(Powerlessness)	.80
78	(Altered protection)	.74
79	(Rape trauma syndrome)	.50
80	: (Rape trauma syndrome : Compound reaction)	.50
81	: (Rape trauma syndrome : silent reaction)	.49
82	(Relocation stress syndorme)	.71
83	(Role performance, altered)	.69
84	가 : / (Self-care deficit, bathing/hygiene)	.80
85	가 : / (Self-care deficit, dressing/grooming)	.67
86	가 : (Self-care deficit, feeding)	.76
87	가 : (Self-care deficit, toileting)	.77
88	(Self-esteem disturbance)	.73
89	(self-esteem, Chronic low)	.66
90	(self-esteem, Situational low)	.72
91	(Risk for self-mutilation)	.70
92	(Sensory/perceptual alterations(specify) : visual, auditory, kinesthetic, gustatory, tactile, olfactory)	.82
93	(Sexual dysfunction)	.59
94	(Altered sexuality patterns)	.55
95	(Impaired skin integrity)	.88
96	(Risk for impaired skin integrity)	.90
97	(Sleep pattern disturbance)	.87
98	(Impaired social interaction)	.62
99	(Social isolation)	.69

100	(Spiritual distress(distress of the human spirit))	.71
101	(Risk for Spiritual distress)	.67
102	(Risk for suffocation)	.71
103	(Impaired swallowing)	.80
104	(Ineffective thermoregulation)	.82
105	(Altered thought processes)	.72
106	(Impaired tissue integrity)	.88
107	(Altered tissue perfusion(specify) - renal, cerebral, cardiopulmonary, gastrointestinal, peripheral)	.91
108	(Impaired Transfer ability)	.66
109	(Risk for trauma)	.76
110	(Unilateral neglect)	.69
111	(Altered urinary elimination)	.79
112	(Urinary retention)	.75
113	(Inability to sustain spontaneous ventilation)	.90
114	(Dysfunctional ventilatory weaning response)	.89
115	(Risk for violence : self directed or directed at others)	.69

	(%)
(Bathing)	64
(Communicable Disease Management)	82
(Cough Enhancement)	82
(Electrolyte Monitoring)	57
(Environmental Management)	100
(Exercise Promotion)	55
/ (Fluid / Electrolyte Management)	73
(Immunization / Vaccination Management)	41
(Infection Control)	100
: (Infection Control : Intraoperative)	73
(Infection Protection)	95
(Medication Prescribing)	73
(Nutrition Management)	100
(Perineal Care)	91
(Positioning)	82
(Skin Surveillance)	95
(Surveillance)	86
(Wound Care)	100
: (Wound Care : Closed Drainage)	91
(Airway Insertion and Stabilization)	77
(Airway Management)	91
(Airway Suctioning)	100
(Anxiety Reduction)	81
(Artificial Airway Management)	91
(Aspiration Precautions)	100
(Chest Physiotherapy)	100
(Cough Enhancement)	95
(Mechanical Ventilation)	82
(Mechanical Ventilatory Weaning)	64

	(%)
: (Medication Administration : Inhalation)	91
(Oxygen Therapy)	77
(Positioning)	100
(Respiratory Monitoring)	9
(Surveillance)	73
(Ventilation Assistance)	91
(Vital Signs Monitoring)	91
(Airway Suctioning)	100
(Artificial Airway Management)	100
(Aspiration Precautions)	100
(Conscious Sedation)	59
(Cough Enhancement)	91
(Neurologic Monitoring)	82
(Positioning)	95
(Postanesthesia Care)	82
(Respiratory Monitoring)	100
(Surveillance)	82
(Swallowing Therapy)	91
(Vomiting Management)	100
(Airway Management)	100
(Anxiety Reduction)	95
(Cough Enhancement)	95
(Mechanical Ventilation)	86
(Mechanical Ventilatory Weaning)	73
(Oxygen Therapy)	86
(Medication Administration)	82
(Progressive Muscle Relaxation)	73
(Respiratory Monitoring)	100
(Surveillance)	82
(Ventilation Assistance)	86

	(%)
(Vital Signs Monitoring)	95
(Acupressure)	55
(Analgesic Administration)	91
: (Intraspinal)	64
(Anesthesia Administration)	55
(Anxiety Reduction)	95
(Conscious Sedation)	95
(Cutaneous Stimulation)	77
: (Environmental Management : Comfort)	95
가 (Flatulence Reduction)	91
/ (Heat / Cold Application)	95
(Medication Administration)	91
: (Intramuscular (IM))	77
: (Intravenous ())	77
: (Oral)	77
(Medication Management)	82
(Medication Prescribing)	50
(Pain Management)	95
가 (Patient-Controlled Analgesia Assistance)	86
(Rectal Prolapse Management)	33
(Transcutaneous Electrical Nerve Stimulation (TENS))	32
- (Acid-Base Management)	95
- :	
(Acid-Base Management : Metabolic Acidosis))	95
- :	
(Acid-Base Management : Metabolic Alkalosis)	91
- :	
(Acid-Base Management : Respiratory Acidosis)	91
- :	
(Acid-Base Management : Respiratory Alkalosis)	91
- (Acid-Base Monitoring)	86

	(%)
(Bedside Laboratory Testing)	64
(Laboratory Data Interpretation)	86
(Emergency Care)	95
/ (Fluid / Electrolyte Management)	91
(Fluid Management)	91
(Fluid Monitoring)	100
(Hemodynamic Regulation)	82
(Hypovolemia Management)	82
(Invasive Hemodynamic Monitoring)	82
(Oxygen Therapy)	91
(Resuscitation)	91
(Shock Management)	86
(Vital Signs Monitoring)	95
(Nutrition Management)	86
: (Circulatory Care : Arterial Insufficiency)	68
: (Mechanical Assist Device)	73
: (Venous Insufficiency)	68
(Circulatory Precaution)	95
(Neurologic Monitoring)	100
(Peripheral Sensation Management)	91
: (Shock Management : Cardiac)	86
: (Shock Management : Vasogenic)	86
(Hemodialysis Therapy)	82
(Hemofiltration Therapy)	82
(Peritoneal Dialysis Therapy)	86
(Cerebral Perfusion Promotion)	73
(Intracranial Pressure(ICP) Monitoring)	95
(Seizure Management)	91
(Seizure Precautions)	91
(Cardiac Care)	82

	(%)
가	82
가	86
가	86
가	100
가	59
가	64
가	68
가	73
가	91
가	91
가	95
가	82
가	82
가	100
가	100
가	95
가	86
가	91
가	91
가	91
가	91
가	91
가	95
가	59
가	95
가	86
가	82

	(%)
가	(Oxygen Therapy) 86
	(Postanesthesia Care) 77
	(Respiratory Monitoring) 95
	(Vital Signs Monitoring) 95
	(Bleeding Precautions) 91
	(Bleeding Reduction) 86
	: (Bleeding Reduction : Gastrointestinal) 82
	(Blood Products Administration) 82
	: (Cardiac Care : Acute) 73
	(Electrolyte Management) 95
	: (Electrolyte Management :
	Hypercalcemia) 82
	: (Electrolyte Management :
	Hyperkalemia) 86
	:
	(Electrolyte Management : Hypermagnesemia) 82
	:
	(Electrolyte Management : Hyponatremia) 91
	:
	(Electrolyte Management : Hyperphosphatemia) 77
	:
	(Electrolyte Management : Hypocalcemia) 91
	:
	(Electrolyte Management : Hypokalemia) 95
	:
	(Electrolyte Management : Hypomagnesemia) 95
	:
	(Electrolyte Management : Hyponatremia) 86
	:
	(Electrolyte Management : Hypophosphatemia) 82
	(Electrolyte Monitoring) 95
	/ (Fluid / Electrolyte Management) 95
	(Fluid Management) 91
	(Fluid Monitoring) 91
	(Hypovolemia Management) 91

	(%)
(Intravenous () Insertion)	77
(Intravenous () Therapy)	82
(Shock Management)	91
: (Shock Management : Volume)	91
(Shock Prevention)	100
(Surveillance)	86
(Venous Access Devices (VAD) Maintenance)	73
(Vital Signs Monitoring)	95
(Amputation Care)	86
: (Cast Care : Maintenance)	82
: (Cast Care : Wet)	77
(Circulatory Precautions)	95
(Exercise Promotion)	100
: (Strength Training)	55
: (Exercise Therapy : Ambulation)	77
: (Exercise Therapy : Balance)	5
: (Exercise Therapy : Joint Mobility)	77
: (Exercise Therapy : Muscle Control)	73
(Foot Care)	100
(Incision Site Care)	95
(Infection Control)	95
(Infection Protection)	95
(Latex Precautions)	77
: (Medication Administration : Skin)	86
(Ostomy Care)	100
(Positioning)	100
: (Positioning : Intraoperative)	64
(Pressure Management)	100
(Pressure Ulcer Prevention)	100
: (Skin Care : Topical Treatments)	91

	(%)
(Skin Surveillance)	95
(Splinting)	95
(Surveillance)	86
/ (Traction / Immobilization Care)	100
(Wound Care)	95
- (Acid-Base Management)	86
- :	
(Acid-Base Management : Respiratory Acidosis)	86
- :	
(Acid-Base Management : Respiratory Alkalosis)	86
- (Acid-Base Monitoring)	91
(Airway Management)	95
(Airway Suctioning)	100
(Anxiety Reduction)	95
(Artificial Airway Management)	95
(Aspiration Precautions)	100
(Calming Technique)	86
(Chest Physiotherapy)	95
(Emotional Support)	100
(Energy Management)	76
(Environmental Management)	77
: (Environmental Management: Comfort)	86
: (Environmental Management: Safety)	77
/ (Fluid / Electrolyte Management)	82
(Fluid Management)	77
(Fluid Monitoring)	86
(Fluid Resuscitation)	73
(Infection Control)	68
(Infection Protection)	73
(Mechanical Ventilation)	82
(Mechanical Ventilatory Weaning)	68
(Oral Health Maintenance)	82

	(%)
(Oxygen Therapy)	91
(Positioning)	95
(Respiratory Monitoring)	100
(Skin Surveillance)	64
(Ventilation Assistance)	95
(Vital Signs Monitoring)	95

< 6 >

1		.87
2	'	.82
3	(, , ,)	.87
4	.	.87
5	.	.86
6	.	.70
7	.	.78
8	(step stool)	.78
9	가 가 가	.75
10	.	.78
11	가	.88
12	.	.66
13	.	.87
14	.	.68
15	.	.78
16	.	.85
17	, ,	.83
18	.	.82
19	가	.79
20	.	.74
21	.	.80
22	가 , (significant others)	.75
23	.	.67
24	가	.72
25	.	.68
26	가 가	.85
27	가	.78
28	'	.85
29	가	.78
30	.	.76
31	.	.78
32	.	.71
33	.	.48
1	CDC	.80
2	가	.90
3	.	.96
4	.	.98
5	.	.91
6	.	.91
7	.	.91

		16	.72
		17	.78
		18	.87
		19	.72
		20	.79
		21	.78
		22	.83
		23	.72
		24	.76
		25	.79
		26	.76
		27	.84
		28	.84
		1	.80
		2	.72
		3	.78
		4	.79
		5	.74
		6	.82
		7	.75
		8	.77
		9	.74
		10	.77
		11	.57
		12	.70
		13	.75
		14	.78
		15	.68
		16	.76
		17	.89
		18	.71
		19	.78
		20	.75
		21	.77
		22	.70
		1	.82
		2	.74
		3	.91
		4	.92
		5	.86
		6	.80

	7	가 (whirlpool bath)	.50
	8		.87
	9		.90
	10	Hickman	.90
	11		.90
	12		.88
	13		.89
	14		.78
	15	TENS unit()	.57
	16		.83
	17	/	.79
	18		.80
	19		.83
	20		.84
	21		.79
	22		.92
	23		.88
	24		.92
	25		.88
	26	가	.83
	1	(chin lift or jaw thrust technique)	.77
	2	가 가	.95
	3	/	.93
	4	(airway)	.89
	5		.92
	6		.97
	7		.94
	8		.95
	9	(incentive spirometer)	.83
	10	(adventitious sound)	.90
	11	(nasotracheal)	.93
	12		.87
	13		.88
	14		.85
	15		.70
	16	가	.89
	17		.80
	18		.91
	19		.91
	1		.89
	2		.91
	3	가	.86
	4		.90

5		.71
6	(universal precaution)	.88
7	(nasal airway)	.72
8		.88
9	ambu bag 100%	.79
10	1 1.5	.63
11		.90
12	1/2	.76
13		.83
14	(closed tracheal suction system) (oxygen insufflation device adaptor) 가	.79
15	(, 80~100mmHg).	.77
16	()	.95
17		.89
18		.82
19		.88
20		.86
21	가	.92
22		.80
23		.93
24		.79
25	가	.82
1		.93
2	(pulmonary status)	.87
3		.90
4	가 90	.63
5	(Cuff)	.84
6	가	.87
7		.75
8		.89
9		.88
10		.85
11		.51
12		.65
13		.62
14		.74
15	(elixir)	.68

	16	가	.72
	17	30~45	.88
	18		.61
	19	fluoroscopy) (video	.64
	1		.89
	2		.93
	3	가	.83
	4		.86
	5	가	.95
	6		.95
	7	(nebulizer)	.86
	8	(aerosol therapy)	.83
	9		.79
	10		.82
	11		.90
	12		.88
	13	, , , 가	.88
	1	(FEV1), FEV1/FVC , , , 1	.76
	2	가	.72
	3		.88
	4	가 , 2 , 2~3	.86
	5	가 .() 3~4	.81
	6	가 , ,	.79
	7	technique) (spring	.78
	8	가	.63
	9	가	.83
	10	(Incentive spirometry)	.84
	11		.79
	1	/	.82
	2		.57
	3		.90
	4	가	.89
	5	,	.85
	6		.66
	7		.88
	8		.80
	9		.87

	10		.84
	11		.87
	12	(, semi-Fowler position)	.89
	13	(,)	.87
	14	/ ()	.86
	15	ROM	.90
	16		.83
	17	가	.87
	18	가	.83
	19		.88
	20	(footboard)	.82
	21	(Log roll technique)	.84
	22	가	.83
	23		.88
	24		.85
	25	20	.77
	26		.83
	27	가	.86
	28		.86
	29		.84
	30		.89
	31		.89
	32	2	.92
	33	(, hand roll, trochanter roll)	.89
	34		.86
	35		.78
	36	call light	.83
	1		.93
	2		.92
	3		.91
	4	(Kussmaul) , - (bradypnea), (Cheyne-Stokes) , , (Biot),	.95
	5		.85
	6		.80
	7		.78
	8	(paradoxical motion)).	.79
	9	(adventitious sound)	.92
	10	(Crackles) (Rhonchi)	.82

		11	.90
		12 가 (, , VEV1, FEV1 / FVC)	.75
		13 가 1 (tidal volume) (inspiratory pressure)	.86
		14 가 (air hunger) 가	.87
		15 가 (SaO2), (SvO2), end tidal CO2, (ABG)	.89
		16 가	.85
		17	.85
		18	.90
		19	.87
		20	.76
		21 (Crepitus)	.75
		22 (chest X-ray)	.76
		23 (chin lift or jaw thrust technique)	.73
		24 (Log roll)	.82
		25	.84
		26 (,)	.88
		1	.91
		2	.90
		3 가	.82
		4	.91
		5	.70
		6 (universal precaution) :	.88
		7 (nasal airway)	.79
		8	.87
		9 ambu bag 100%	.79
		10 1 1.5	.66
		11	.89
		12 , 1/2	.78
		13	.86
		14 (closed tracheal suction system) (oxygen insufflation device adaptor) 가	.80

15	80~100mmHg).	(,	.76
16	) , ' ( ( )	.	.90
17		.	.88
18		.	.77
19		.	.85
20		.	.86
21	가 ,	.	.90
22		.	.82
23		.	.92
24		.	.82
25	가	.	.77
1	bite block	(oropharyngeal) airway	.85
2	100% 가	.	.79
3		.	.75
4	가 / (cuff)	.	.87
5	15~20mmHg /	.	.78
6		.	.88
7	4~8 3-way	.	.71
8		.	.60
9	24	.	.89
10		.	.79
11	/ ()	.	.82
12		cm	.90
13		X-	.80
14	가 가	.	.83
15	(Crackles) (Rhonchi)	.	.90
16	가 가	.	.90
17		.	.92
18	가 :	.	.89
19	가 (intubation equipment)	.	.88
	Ambu bag	.	

	20	4~8	.85
	21		.89
	22		.92
	23	가	.90
	24		.87
	25	(tracheostomy obturator)	.79
	26	(forcep)	.78
	27		.88
	28	가	.87
	29	가	.85
	30	가	.60
	1		.92
	2	(pulmonary status)	.90
	3		.92
	4	가 90	.65
	5	(Cuff)	.86
	6	가	.90
	7		.82
	8		.92
	9		.89
	10		.80
	11		.54
	12		.71
	13		.66
	14		.73
	15	(elixir)	.67
	16	가	.73
	17	30~45	.84
	18		.61
	19	fluoroscopy) (video	.63
	1		.93
	2		.91
	3		.90
	4	(Kussmaul) (bradypnea), (Cheyne-Stokes) (Biot),	.95
	5		.89
	6		.80
	7		.86

8	(paradoxical motion)).	.84
9	(adventitious sound)	.90
10	(Crackles) (Rhonchi)	.87
11		.90
12	가 (, , VEV1, FEV1 / FVC)	.78
13	가 1 (tidal volume) (inspiratory pressure)	.88
14	가 (air hunger) 가	.89
15	(SaO2), 가 (ABG) (SvO2), end tidal CO2,	.92
16	가	.85
17		.83
18		.89
19		.87
20		.75
21	(Crepitus)	.75
22	(chest X-ray)	.82
23	(chin lift or jaw thrust technique)	.77
24	(Log roll)	.82
25		.82
26	(,)	.85
1		.93
2		.92
3	가	.64
4	Duke Descriptive Scale, Rhodes Index of Nausea and Vomiting(INV) Form 2	.73
5	(pretreatment history)	.78
6	가	.74
7	(, ,)	.89
8	가	.82
9	(, , ,)	.82
10		.91
11	(oral airway)	.84
12	(가)	.86

4	(Kussmaul), (Biot), (bradypnea), (Cheyne-Stokes)	,	-	, , , .93
5				.88
6				.80
7				.84
8	motion)).	(	(paradoxical	.83
9			(adventitious sound)	.88
10	(Crackles)		(Rhonchi)	.85
11				.88
12	가	(	, , VE1, FEV1 / FVC)	.78
13	가	1	(tidal volume), (inspiratory pressure)	.86
14		가	(air hunger) 가	.89
15	가	(SaO2), (ABG)	(SvO2), end tidal CO2,	.93
16	가			.88
17				.83
18				.89
19				.86
20				.75
21	(Crepitus)			.75
22	(chest X-ray)			.79
23			(chin lift or jaw thrust technique)	.79
24	(Log roll)		:	.82
25				.80
26		(	, )	.84
1			, , , ,	.93
2			, , ,	.95
3				.89
4	가		, ,	.75
5		가	가	.63
6			(, , ,)	.68
7			, , ,	.70

	8	가	.67
	9		.80
	10	가	.86
	11		.87
	12	24	.71
	13		.80
	14		.70
	15	가	.72
	16		.80
	17	PRN	.77
	18	2~3 가	.82
	19	가 (,)	.80
	20	(, , / , ,)	.89
	21		.90
	22	가	.87
	23	(, ,)	.83
	24	, , , 가	.87
	25		.86
	1	가 가	.78
	2	가	.83
	3		.87
	4		.71
	5	가	.86
	6	가 가	.79
	7		.73
	8	가	.89
	9		.86
	10	100% (defibrillator)가	.80
	11		.86

		21	.84
		22	.74
		23	.80
		24	.82
		25	.78
		26	.82
		27	.83
		28	.82
		29	.87
		30	.70
		31	.80
		32	.73
		33	.73
		34	.64
		35	.76
		36	.76
		37	.80
	가	1	.79
		2	.71
		3	.50
		4	.79
		5	.78
		6	.75
		7	.73
		8	.85
		9	.72
		10	.80
		11	.66
		12	.71
		13	.67
		14	.68
		15	.67

	가	16		.78
		17		.77
		18		.83
		19		.84
		20		.73
		21	가	.79
/	1	가	.88	
	2	Hct, BUN, protein, sodium, potassium).	.90	
	3		.79	
	4	130mEq	.70	
	5		.79	
	6	가 (, 가)	.76	
	7		.79	
	8	(tube feeding)	.74	
	9	(gastric tube) 가	.71	
	10		.65	
	11	(free water)	.76	
	12		.84	
	13	(, Hct, BUN, Total protein, S-osm, U-SG).	.88	
	14	(, SG 가, BUN , Hct , U-osm 가).	.88	
	15	가 (CVP), (MAP), (PAP), (PCWP)	.87	
	16		.92	
	17		.88	
	18		.84	
	19		.89	
	20		.79	
	21		.86	
	22		.85	
	23		.89	
	24	가)	.88	
	25		.87	
	26	(, , ,)	.91	
	27		.83	
	28		.87	

		29	excreting resin) / (electrolyte binding/ .77
	/	30	(, .82
		31	가 (, ,). .68
		32	. .75
		33	(.79
		34	(, , , , ,). .88
		35	. .75
		1	. .86
		2	가 . .85
		3	- . .93
		4	. .88
		5	가 (, , , ,). .85
		6	Hct , Uosm 가). (, 가, BUN 가, .87
		7	가 (CVP), (MAP), (PAP), (PCWP) . .88
		8	가 . .89
		9	(, , ,). .89
		10	가 . .85
		11	. .88
		12	/ . .82
		13	. .88
		14	. .84
		15	. .85
		16	. .85
		17	. .80
		18	(, , , , ,). .75
		19	. .78
		20	. .85
		21	24 . .85
		22	. .74
		23	(, , ,). .75
		24	130mEq . .77
		25	. .85
		26	가 . .87
		27	가 . .80
		28	(.83
		29	(, , , , ,). .82

	6	, , .	.93
	7	가 , pulse oximetry, , , .	.92
	8	.	.84
	9	(ICP) (CPP) .	.83
	10	.	.85
	11	.	.86
	12	, , (Proprioception) .	.78
	13	(Pronator drift) .	.76
	14	(Grip Strength) .	.80
	15	(Tremor) .	.82
	16	.	.80
	17	(Tongue Protrusion) .	.79
	18	(Tracking Response) .	.75
	19	.	.79
	20	, , , , , .	.83
	21	.	.88
	22	∴ , , .	.84
	23	∴ , , .	.85
	24	/ / 가 .	.80
	25	∴ , .	.84
	26	.	.76
	27	.	.83
	28	(Babinski) .	.83
	29	(Cushing) .	.80
	30	,	.86
	31	.	.82
	32	.	.77
	33	.	.83
	34	가 .	.82
	35	가 .	.90
	36	가 .	.87
	37	.	.84
	38	(Emergency Protocol) .	.85
	1	/ , 가 / .	.88
	2	∴ (numbness), (tingling), (hypersthesia), (hypossthesia). .	.88
	3	, , .	.71
	4	.	.74
	5	, , , , 가 .	.76

		가	가	.80
			(, , ,).	.76
		가		.71
				.63
		가	가	.67
		Heating pads, ice packs,		.78
				.66
		가	가	.65
				.73
		가		.82
			()	.87
		()		.87
		, ,		.85
		,		.85
		가		.75
		가		.76
				.75
				.86
				.71
			가 가	.70
		(crackle)	(adventitious sound)	.82
				.89
			(, ST ,)	.88
		PT(prothrombin time), PTT(partial thromboplastin time), fibrinogen, fibrin		.83
				.86
/			(preload)	.86
		(, nitroglycerin		.87
			(afterload) (,	.83
			(, 60mmHg	.85
			(, BUN,	.92

2			.96
3			.93
4		(bruit) (thrill)	.92
5			.83
6			.91
7			.78
8			.84
9		System Monitor (, pH)	.84
10			.98
11			.82
12			.80
13			.82
14			.90
15			.80
16			.91
17			.97
18			.89
19			.89
20		가 가	.86
21		(Bone Demineralization), (role disruption)	.85
22			.84
1			.89
2		(, BUN,	.91
3			.88
4			.86
5			.87
6		(technology)	.76
7			.89
8			.89
9		(heparine loading dose)	.84
10			.78
11		(venous and arterial access)	.88

			Mannitol	Low Molecular Weight Dextrans	.82
		7			
		8	Hypervolemic hemodilution therapy	hematocrit 33%	.79
		9	hematocrit	(phlebotomy)	.68
		10			.83
		11	(0,15,30)		.87
		12	/		.83
		13	PCO2	25mmHg	.75
		14		(calcium channel blocker)	.77
		15	vasopressin		.78
		16	loop-active diuretics	corticosteroid	.82
		17			.78
		18			.79
		19		(Antiplatelet medication)	.79
		20			.79
		21	PT PTT	1 2	.77
		22			.85
		23	(	)	.84
		24			.85
		25			.84
		26			.86
		27	(MAP)		.82
		28	(CVP)		.85
		29		(PCWP,PAP)	.75
		30	level).	(, , , PO2,PCO2, PH, HCO3	.87
		31			.77
		32	가).	((rhonchi), , ,	.85
		33	가	(PaCO2, SaO2,	.84
		34		가	.85
		35			.87
		1			.84
		2	가		.80
		3	(transducer)		.87
		4			.80
		5			.83
		6	가	(CSF Sample)	.78
		7			.80
		8		(cerebral perfusion pressure).	.83
		9			.87

	24	(Log roll)	.82
	25		.82
	26	(,)	.84
	1		.86
	2	가	.86
	3		.85
	4	가	.67
	5	가	.76
	6	가	.67
	7	pH , , X-Ray 가	.85
	1	/	.88
	2		.67
	3		.87
	4	가	.87
	5	,	.83
	6		.72
	7		.86
	8		.79
	9		.89
	10		.84
	11		.87
	12	(, semi-Fowler position)	.88
	13	(,)	.88
	14	/ ()	.85
	15	ROM	.88
	16		.87
	17	가	.85
	18	가	.84
	19		.86
	20	(footboard)	.85
	21	(Log roll technique)	.85
	22	가	.80
	23		.84
	24		.80
	25	20	.80
	26		.83
	27	가	.84
	28		.84
	29		.84

		30	.87
		31	.86
		32	2 .88
		33	(, hand roll, trochanter roll) .86
		34	.80
		35	.75
		36	call light .80
		1	Braden scale). (, .79
		2	.86
		3	.89
		4	.90
		5	.84
		6	1~2 .88
		7	.88
		8	.78
		9	.86
		10	.74
		11	.85
		12	.88
		13	가 (toe pleat) .68
		14	.82
		15	(,). .78
		16	.70
		17	.77
		18	.78
		19	.85
		20	.83
		21	(Small shifts of body weight frequently). .83
		22	가 (trapeze) .80
		23	.82
		24	C, , , A, B, .79
		25	가 .78
가		1	(chin lift or jaw thrust technique) .83
		2	가 가 .90
		3	/ .89
		4	(airway) .89
		5	.87
		6	.92
		7	.92

		8	.90
		9	(incentive spirometer) .88
		10	(adventitious sound) .85
		11	, (nasotracheal) .89
		12	.84
		13	.87
		14	.84
		15	.73
		16	가 .87
		17	.83
		18	.89
		19	.91
가		1	.90
		2	.88
		3	.91
		4	가 가 .89
		5	.90
		6	.88
		7	.88
		8	가 가 .84
		9	가 .87
		10	(, Pulse oxymetry, ABG). .90
		11	.73
		12	가 .78
		13	.84
		14	.86
		15	.87
		16	가 가 .85
		17	.85
		18	.83
		19	가 .86
		20	.68
		21	.71
		22	가 .72
		23	가 .73
		24	.79
	1	, , .92	
	2	, , , .88	
	3	.88	

가	4	(Kussmaul), (Biot), (bradypnea), (Cheyne-Stokes)		.92
	5			.88
	6			.84
	7			.80
	8	(paradoxical motion)).		.80
	9	(adventitious sound)		.86
	10	(Crackles) (Rhonchi)		.85
	11			.91
	12	가 (, , VE1, FEV1 / FVC)		.82
	13	가 1 (tidal volume) (inspiratory pressure)		.87
	14	가 (air hunger) 가		.88
	15	(SaO2), 가 (ABG) (SvO2), end tidal CO2,		.90
	16	가		.88
	17			.80
	18			.89
	19			.85
	20			.74
	21	(Crepitus)		.76
	22	(chest X-ray)		.79
	23	(chin lift or jaw thrust technique)		.80
	24	(Log roll)		.80
	25			.83
	26	(,)		.85
		1 가		.88
		2		.87
		3		.91
	4		.90	
	5		.95	
	6		.87	
	7		.85	
	8	(, spironolactone)	.83	
	9	(, kayexalate)	.77	

10	(, 가	.85
11	(. ,	.88
12	(	.82
13		.72
14		.73
15	(, ,	.80
16	가	.75
17		.84
18		.80
19	가	.77
20	가	.85
21		.85
22	(,)	.86
23		.86
24		.87
25		.80
26	(	.84
1		.87
2	가	.87
3		.95
4		.90
5	가 (, , ,)	.84
6	Hct , Uosm 가). (, 가, BUN 가,	.89
7	가 (CVP), (MAP), (PAP), (PCWP)	.87
8	가	.89
9	(, ,)	.86
10	가	.83
11		.87
12	/	.80
13		.86
14		.82
15		.85
16		.86

15	가 (PAP). (SVR)	.85
16	가 (wheezing),	.85
17	가	.87
18	(preload) 가	.84
19		.87
20		.79
21	가	.90
22		.86
23		.86
24		.72
25		.74
26		.74
27		.86
28		.83
29		.78
30	(epinephrine)	.79
31	(Anaphylaxis kit)	.77
32		.86
33		.67
34	가 가	.76
35	가 가 가	.76
36	가 가	.75
1	가	.73
2		.76
3		.71
4	가	.76
5		.80
6		.75
7		.77
8		.74
9		.76

26	.	.84
27	가	.85
28	.	.84
29	.	.87
30	.	.89
31	.	.87
32	2	.90
33	(, hand roll, trochanter roll)	.86
34	.	.85
35	.	.79
36	call light	.86
1	.	.84
2	.	.67
3	가	.85
4	/	.85
5	.	.76
6	가	.93
7	/	.86
8	.	.86
9	2	.90
10	.	.87
11	.	.93
12	.	.87
13	(, Braden scale)	.84
14	.	.87
15	가 (toe pleat).	.72
16	.	.85
17	.	.83
18	.	.87
1	(, Braden scale).	.82
2	.	.89
3	.	.92
4	.	.90
5	.	.86
6	1~2	.89
7	.	.91
8	.	.83
9	.	.88
10	.	.74
11	.	.85

		12	.	.90
		13	가 (toe pleat)	.73
		14	.	.88
		15	(,).	.78
		16	.	.74
		17	.	.85
		18	.	.84
		19	.	.88
		20	.	.84
		21	(Small shifts of body weight frequently).	.85
		22	가 (trapeze)	.83
		23	.	.83
		24	C, , , A, B,	.84
		25	가	.84
		1	.	.90
		2	, , , , (texture), , .	.95
		3	, , .	.93
		4	.	.93
		5	.	.91
		6	.	.92
		7	, .	.89
		8	.	.88
		9	가 , .	.87
		10	.	.78
		11	.	.89
		12	.	.86
		13	.	.89
		14	.	.88
		15	가	.84
		1	.	.92
		2	.	.91
		3	.	.91
		4	.	.88
	/	5	.	.90
		6	가	.84
		7	.	.84
		8	.	.83
		9	.	.88
		10	.	.88
		11	.	.93
		12	, .	.96
		13	.	.92

	/	14	.87
		15	.87
		16	(trapeze) .87
		17	(Bracing device) .80
		18	.80
		19	.80
		20	.82
		1	.93
		2	.89
		3	가 .82
		4	.87
		5	.70
		6	(universal precaution) : , .86
		7	(nasal airway) .78
		8	.91
		9	ambu bag 100% .79
		10	1 1.5 .65
		11	.85
		12	1/2 .83
		13	.84
		14	(closed tracheal suction system) (oxygen insufflation device adaptor) 가 , .84
		15	(, 80~100mmHg). .76
		16	() () .88
		17	.87
		18	.80
		19	.87
		20	.87
		21	가 , , .88
		22	.82
		23	.93
		24	.85
		25	가 .82
		1	(oropharyngeal) airway bite block .88
		2	100% 가 .84
		3	.75

4	가	/ (cuff)	.84
5		15~20mmHg /	.84
6			.88
7	4~8	3-way	.75
8			.67
9		24	.85
10			.83
11		/ ()	.85
12		cm	.90
13		X-	.85
14	가	가	.84
15	(Crackles)	(Rhonchi)	.85
16	가	가	.89
17			.91
18	가	:	.89
19	가 Ambu bag	(intubation equipment)	.86
20	4~8	:	.87
21			.90
22			.91
23		가	.88
24			.87
25		(tracheostomy obturator)	.78
26		(forcep)	.79
27			.89
28		가	.87
29		가	.86
30		가	.60
1			.91

	2	(pulmonary status)	.91
	3	.	.96
	4	가 90	.70
	5	(Cuff)	.86
	6	가	.91
	7	.	.83
	8		.91
	9	.	.90
	10	.	.83
	11	.	.58
	12	.	.74
	13	.	.69
	14	.	.74
	15	(elixir)	.70
	16	가	.75
	17	30~45	.83
	18	.	.66
	19	fluoroscopy) (video	.67
	1	.	.84
	2	.	.84
	3	,	.83
	4	, ,	.85
	5	.	.78
	6	.	.85
	7	.	.84
	8	, , , ,	.86
	9	,	.76
	10	.	.79
	11	.	.85
	12	.	.79
	13	가	.78
	14	.	.80
	1	.	.85
	2	.	.90
	3	(ventilator mode) 가	.85
	4	.	.84
	5	(sensation) 가	.86

6			.90
7	가		.88
8			.91
9	,	,	.79
10	'		.88
11			.82
12	(,)		.89
13			.90
14			.90
15	24	(circuit)	.68
16			.92
17			.88
18		30~60	.82
19			.78
20		'	.83
21	(, , ,)		.88
22	/	()	.85
23		PSV PEEP	.86
24			.89
25	가		.87
26			.87
27			.90
28	SvO2, end-tidal CO2, Qsp/Qt& A-aDO2	: ABG, SaO2,	.91
29	shunt , , Vd /Vt, MVV, , FEV1		.85
1	,	,	.91
2	'	'	.90
3			.89
4	(Kussmaul) , - (Biot),	(bradypnea), (Cheyne - Stokes) , ,	.93
5			.84
6			.76
7			.80
8	motion)).	(paradoxical	.82

9			(adventitious sound)	.87
10		(Crackles)	(Rhonchi)	.86
11				.88
12	가	(	, VEV1, FEV1 / FVC)	.86
13	가	1 (tidal volume)	(inspiratory pressure)	.89
14		가	(air hunger) 가	.90
15		(SaO2), 가 (ABG)	(SvO2), end tidal CO2,	.87
16	가			.88
17				.82
18				.90
19				.87
20				.75
21		(Crepitus)		.78
22		(chest X-ray)		.82
23			(chin lift or jaw thrust technique)	.80
24		(Log roll)	:	.82
25				.83
26		(,)		.85
1				.91
2				.91
3		()		.86
4				.87
5		(,) 가 (overbed table)		.88
6	Qsp/Qt, A-aDO2		(ABG, SaO2, SvO2, end tidal CO2,	.89
7				.93
8		(incentive spirometer)		.86
9			(adventitious sound)	.87
10				.87
11				.88
12		(Hypoventilation)		.82
13		3~4		.68
14				.88
15	가		(,)	.84

		16	가 .	.86
		17	가 .	.86
		18	.	.80
		19	.	.79

< 7 >

- : 가 (Gas Exchange, Impaired)
- : (Respiratory Monitoring)
- :
- 1. , , .
- 2. .
- 3. (Kussmaul) , - (bradypnea), (Cheyne-Stokes) , , (Biot), .
- 4. .
- 5. .
- 6. (adventitious sound)
- 7. , , 가 (air hunger) 가
- 8. 가 .
- 9. .
- 10. 가 1 (tidal volume) , (inspiratory pressure)
- 11. .
- 12. (Crackles) (Rhonchi)
- 13. 가 (SaO2), (SvO2), end tidal CO2, (ABG)
- 14. , , ,
- 15. .
- 16. .
- 17. (,) .

- < 7> ()
- : 가 (Gas Exchange, Impaired)
 - : (Airway Management)
 - :
 - 1. .
 - 2. (adventitious sound)
 - 3. / .
 - 4. (chin lift or jaw thrust technique)
 - 5. 가 .
 - 6. 가 가 .
 - 7. .
 - 8. , .
 - 9. .
 - 10. (incentive spirometer) .
 - 11. .
 - 12. .
 - 13. , (nasotracheal) .
 - 14. (airway) .
 - 15. .
 - 16. .
 - 17. .
 - 18. .

< 7 >

()

: 가 (Gas Exchange, Impaired)

: (Oxygen Therapy)

:

1. 가 가 .
2. .
3. .
4. .
5. 가 .
6. (, Pulse oxymetry, ABG).
7. .
8. .
9. 가 가 .
10. .
11. .
12. , .
13. .
14. .
15. 가 가 .
16. .
17. 가 .

< 7> ()

: (Infection, Risk for)

: (Infection Control)

:

1.

2.

3.

4.

5.

6.

7.

8.

9.

10. (universal precaution)

11. (universal precaution)

12. 가

13.

14.

15. (Central line)

16. TPN

17.

18. CDC
(dressing)

19.

20.

21.

22.

23.

24.

25.

26. 가

27.

- < 7> ()
- : (Infection, Risk for)
 - : (Wound Care)
 - :
 - 1. .
 - 2. .
 - 3. .
 - 4. (, 가 , Tick, , ,).
 - 5. .
 - 6. Hickman .
 - 7. .
 - 8. .
 - 9. .
 - 10. .
 - 11. .
 - 12. .
 - 13. .
 - 14. .
 - 15. .
 - 16. .
 - 17. 가 .

< 7> ()
:
:
:
1. .

< 7> ()

: (Infection, Risk for)

: (Infection Protection)

:

1.

2. , ,

3. /

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14. 가

< 7>

()

: (Infection, Risk for)
: (Enviromental Management)
:

1. .
2. (, ,).
3. .
4. .
5. 가 .
6. .
7. .
8. , , . 가
9. 가 .
10. , .

< 7>

()

: (Airway Clearance, Ineffective)

: (Respiratory Monitoring)

:

1. , , .
2. .
3. (Kussmaul) , - (bradypnea), (Cheyne-Stokes) , , (Biot), .
4. .
5. (adventitious sound)
6. , , 가 (air hunger) 가 .
7. 가 .
8. .
9. 가 1 (tidal volume) , (inspiratory pressure)
10. .
11. 가 (SaO₂), (SvO₂), end tidal CO₂, (ABG) .
12. , , , .
13. , , .
14. .
15. .
16. (,) .

< 7>

()

: (Airway Clearance, Ineffective)

: (Positioning)

:

1. , .
2. (, semi-Fowler position)
3. / () .
4. .
5. 가 .
6. .
7. 2 .
8. .
9. .
10. .
11. .
12. .
13.). (,
14. .
15. 가 .
16. 가 .
17. .
18. (Log roll technique) .
19. .
20. 가 .
21. .
22. 가 .
23. .

< 7>

()

: (Airway Clearance, Ineffective)

: (Positioning)

:

24.

25.

26.

27.

28.

29.

(, hand roll, trochanter roll)

(ROM)

call light

< 7 >

()

: (Airway Clearance, Ineffective)

: (Cough Enhancement)

:

1. 가 , 2 , 2-3
2. 가 , 2 , 2-3
3. .
4. (Incentive spirometry) .

< 7 >

()

: (Airway Clearance, Ineffective)
:
: (Chest Physiotherapy)
:

1. .
2. .
3. 가 .
4. .
5. 가 .
6. .
7. (nebulizer) .
8. (aerosol therapy) .
9. .
10. .
11. 가 , , .

< 7>

()

: (Airway Clearance, Ineffective)

: (Airway Suctioning)

:

1. , , ()

2.

3.

4. 가

5.

6. (universal precaution) :

7.

8.

9.

10.

11.

12.

13. 가 ,

14.

< 7>

()

: (Airway Clearance, Ineffective)
:
: (Airway Management)
:

1. .
2. (adventitious sound)
3. / .
4. 가 .
5. 가 가 .
6. .
7. , .
8. .
9. (incentive spirometer) .
10. .
11. .
12. , (nasotracheal) .
13. (airway) .
14. .
15. .
16. .

< 7>

()

: (Airway Clearance, Ineffective)

: (Aspiration Precautions)

:

1. , , , .
2. (pulmonary status) .
3. .
4. (Cuff) .
5. 가 .
6. .
7. .
8. .
9. 30~45 .

- < 7> ()
- : (Aspiration, Risk for)
- : (Respiratory Monitoring)
- :
1. , , .
 2. .
 3. (Kussmaul) , - (bradypnea), (Cheyne-Stokes) , , (Biot), .
 4. (paradoxical motion)).
 5. .
 6. (adventitious sound)
 7. , , 가 (air hunger) 가 .
 8. 가 .
 9. .
 10. 가 1 (tidal volume) , (inspiratory pressure)
 11. .
 12. (Crackles) (Rhonchi)
 13. (SaO2), (SvO2), end tidal CO2, 가 (ABG)
 14. , , ,
 15. , , .
 16. .
 17. .
 18. (,) .

< 7>

()

: (Aspiration, Risk for)

: (Vomiting management)

:

1. , , , , .
2. .
3. (, ,) .
4. .
5. .
6. .
7. (oral airway) .
8. (가).
9. (). , ,
10. .
11. .
12. .

< 7>

()

: (Aspiration, Risk for)

: (Airway Suctioning)

:

1. , , ()

2.

3.

4.

5. (universal precaution) :

6.

7.

8.

9.

10.

11.

12. 가 , ,

13.

< 7>

()

: (Aspiration, Risk for)
:
: (Artificial Airway Management)
:

1. (Crackles) (Rhonchi) 가 .
2. 가 가 .
3. , , .
4. cm .
5. 가 .
6. 가 / (cuff) .
7. .
8. (oropharyngeal) airway .
9. 가 가 .
10. 가 : .
11. 24 , .
12. .
13. 4-8 : .
14. .
15. 가 .
16. .
17. .
18. 가 (intubation equipment) .
19. Ambu bag 가 .

- < 7> ()
- : (Aspiration, Risk for)
- : (Aspiration Precautions)
- :
1. , , , .
 2. (pulmonary status) .
 3. .
 4. (Cuff) .
 5. 가 .
 - 6.
 7. .
 8. 30-45 .

< 7>

()

: (Breathing Pattern, Ineffective)

: (Respiratory Monitoring)

:

1. , , .
2. .
3. (Kussmaul) , - (bradypnea), (Cheyne-Stokes) , , (Biot), (paradoxical
4. motion)). (paradoxical
5. .
6. (adventitious sound)
7. , , 가 (air hunger) 가
8. 가 .
9. .
10. 가 1 (tidal volume) , (inspiratory pressure)
11. .
12. (Crackles) (Rhonchi)
13. (SaO2), (SvO2), end tidal CO2, 가 (ABG)
14. , , ,
15. , , .
16. .
17. .
18. (,) .

< 7>

()

: (Breathing Pattern, Ineffective)
:
: (Airway Management)
:

1. .
2. (adventitious sound)
3. / .
4. 가 .
5. 가 가 .
6. .
7. , .
8. .
9. (incentive spirometer) .
10. .
11. .
12. , (nasotracheal) .
13. (airway) .
14. .
15. .
16. .

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : (Respiratory Monitoring)
- :
1. , , .
 2. .
 3. (Kussmaul) , - (bradypnea), (Cheyne-Stokes) , , (Biot), .
 4. .
 5. (adventitious sound)
 6. , , 가 (air hunger) 가 .
 7. 가 .
 8. .
 9. 가 1 (tidal volume) , (inspiratory pressure)
 10. .
 11. 가 (SaO₂), (SvO₂), end tidal CO₂, (ABG)
 12. , , , .
 13. .
 14. (,) .

< 7>

()

: (Tissue Perfusion, Altered - Renal, Cerebral,
Cardiopulmonary, Gastrointestinal, Peripheral)

: (Neurologic Monitoring)

:

1. , , .
2. .
3. .
4. Glasgow Coma Scale .
5. , , , , , .
6. , , .
7. 가 , pulse oximetry, , , .
8. .
9. (ICP) (CPP) .
10. .
11. .
12. , , , , .
13. .
14. : , , , .
15. : , , , .
16. : , , .
17. .
18. (Babinski) .
19. , .
20. .
21. 가 .
22. 가 .
23. .
24. (Emergency Protocol) .

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : (Intracranial Pressure(ICP) Monitoring)
- :
1. .
 2. (transducer) .
 3. .
 4. (cerebral perfusion pressure).
 5. .
 6. .
 7. , .
 8. , .
 9. 가 .
 10. .
 11. (nuchal rigidity).
 12. .
 13. , .
 14. .
 15. ICP가 .

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
 - : / (Fluid/Electrolyte Management)
 - :
 - 1. .
 - 2. (, , , , ,).
 - 3. .
 - 4. .
 - 5. 가 .
 - 6. (, , ,). , ,
 - 7. (, Hct, BUN, protein, sodium, potassium).
 - 8. protein, S-osm, U-SG). (, Hct, BUN, Total
 - 9. Hct , U-osm 가). (, SG 가, BUN ,
 - 10. 가 (CVP), (MAP), (PAP), (PCWP) .
 - 11. .
 - 12. .
 - 13. .
 - 14. .
 - 15. .
 - 16. , 가 (, ,).
 - 17. .
 - 18. .
 - 19. .

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : (Fluid Management)
- :
1. 가 .
 2. 가 (, , ,).
 3. .
 4. 가 .
 5. (, , ,).
 6. 가, Hct , Uosm 가). (, , 가, BUN
 7. .
 8. .
 9. 가 .
 10. 가 (PCWP) (CVP), (MAP), (PAP), .
 11. - .
 12. 가 .
 13. .
 14. .
 15. .
 16. .
 17. .
 18. 24 .
 19. ().
 20. .

< 7>

()

: (Tissue Perfusion, Altered - Renal, Cerebral,
Cardiopulmonary, Gastrointestinal, Peripheral)
:
:

1.

2.

3.

< 7>

()

: (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)

: : (Shock Management: Cardiac)

:

1. (, ST ,)

2.

3. PT(prothrombin time), PTT(partial thromboplastin time), fibrinogen, fibrin ,

4.

5.

6. (preload)

7. (, nitroglycerin)

8. (afterload) (,)

9. (, 60mmHg)

< 7 >

()

: (Tissue Perfusion, Altered - Renal, Cerebral,
Cardiopulmonary, Gastrointestinal, Peripheral)

: (Peripheral Sensation Management)

:

1. / , 가 /

2. (hyperesthesia), : (numbness), (tingling),
(hypoesthesia).

3.

4.

5.

6.

7.

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : : (Cardiac Care: Acute)
- :
1. .
 2. 가 (, , , , , ,).
 3. 가 (, , ,).
 4. 가 (CVP), (PCWP). (,
 5. .
 6. (PaO2), (, ,).
 7. / , , .
 8. (, BUN, Cr) .
 9. .
 10. EKG lead .
 11. 12-lead .
 12. CK, LDH, AST .
 13. x-ray .
 14. , 가
 15. (, 2 ,).

< 7>

()

: (Tissue Perfusion, Altered - Renal, Cerebral,
Cardiopulmonary, Gastrointestinal, Peripheral)
:
:
:

1.

2.

3. (, BUN,
, , , ,).

4.

5.

6. (venous and arterial access)

7. , ,

8. dose) (heparine loading

9.

10.

11.

12. 가 , 가

13. multiple system parameter

14. line

15.

16.

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : : (Circulatory Care: Arterial Insufficiency)
- :
1. (capillary refill), 가(,) , .
 2. 가 .
 3. (arterial ulcer) .
 4. , .
 5. .
 6. .
 7. 2 .
 8. (cradle) , (,) .
 9. (hydration) .
 10. .

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : : (Circulatory Care: Venous Insufficiency)
- :
1. 가(, , ,)
 2. 가 .
 3. (stasis ulcer) .
 4. , .
 5. .
 6. .
 7. (, ,)
 8. 8 15~20 .
 9. 20 .
 10. 2 .
 11. .
 12. .

< 7 >

()

: (Tissue Perfusion, Altered - Renal, Cerebral,
Cardiopulmonary, Gastrointestinal, Peripheral)
:
:

1.

2.

3.

4.

pH

,

,

X-Ray

,

가

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : (Positioning)
- :
1. , .
 2. (, semi-Fowler position)
 3. / () .
 4. .
 5. 가 .
 6. .
 7. 2 .
 8. .
 9. .
 10. .
 11. .
 12. .
 13. (,).
 14. .
 15. 가 .
 16. 가 .
 17. .
 18. (Log roll technique) .
 19. .
 20. 가 .
 21. .
 22. .
 23. / .
 24. (footboard) .
 25. (, hand roll, trochanter roll)
 26. ROM .
 27. .

- < 7> ()
- : (Tissue Perfusion, Altered - Renal, Cerebral, Cardiopulmonary, Gastrointestinal, Peripheral)
- : (Cerebral Perfusion Promotion)
- :
1. .
 2. .
 3. .
 4. (, , , PO2, PCO2, PH, HCO3 level).
 5. 가 (PaCO2), (SaO2), (, ,)).
 6. 가
 7. (0,15,30)
 8. (CVP) .
 9. 가). ((rhonchi), , ,)
 10. .
 11. .
 12. / .
 13. ()
 14. .

< 7>

()

: (Tissue Perfusion, Altered - Renal, Cerebral,
Cardiopulmonary, Gastrointestinal, Peripheral)
:
(Pressure Ulcer Prevention)
:

1.

2.

3.

4.

5.

6.

7.

1~2

8.

9.

10.

11.

12.

body weight frequently).

(Small shifts of

- < 7> ()
- : (Fluid Volume Deficit)
 - : : (Shock Management: Volume)
 - :
 - 1. (,).
 - 2. .
 - 3. PT(prothrombin time), PTT(partial thromboplastin time), fibrinogen, fibrin ,
 - 4. /
 - 5. .
 - 6. (,).
 - 7. (, 가).

- < 7> ()
- : (Fluid Volume Deficit)
 - : (Fluid Management)
 - :
 - 1. 가 .
 - 2. 가 (, , ,).
 - 3. .
 - 4. 가 .
 - 5. (, , ,).
 - 6. 가, Hct , Uosm 가). (, , 가, BUN
 - 7. .
 - 8. 가 .
 - 9. 가 (PCWP) (CVP), (MAP), (PAP), .
 - 10. - .
 - 11. 가 .
 - 12. .
 - 13. .
 - 14. .
 - 15. .
 - 16. .
 - 17. .
 - 18. 24 .
 - 19. .

- < 7> ()
- : (Fluid Volume Deficit)
 - : (Electrolyte Management)
 - :
 - 1. 가 .
 - 2. .
 - 3. (, , ,).
 - 4. .
 - 5. .
 - 6. (, 가 ,).
 - 7. , .
 - 8. .
 - 9. .
 - 10. .
 - 11. (, spironolactone)
 - 12. .
 - 13. 가
 - 14. .
 - 15. (,).
 - 16. .
 - 17.). (

< 7>

()

: (Fluid Volume Deficit)
: (Intravenous(IV) Therapy)
:

1.

2.

3.

가

4.

5.

(Infusion pump)

6.

7.

8.

(universal precaution)

9.

10.

11.

48

12.

(IV site care).

13.

14.

15.

16.

17.

18.

19.

< 7> ()

: (Pain)

: (Analgesic Administration)

:

1. , , '
2. , , .
3. .
4. 가
5. .
6. 가 . (, , / , ,)
7. , .
8. 가 .
9. (, ,)
10. , , , 가 .
11. , .

< 7>

()

: (Pain)

: (Conscious Sedation)

:

1. 가 .
2. .
3. 가 ,
4. 가 .
5. , , , , .
6. .
7. .
8. , , .
9. , , , , , , .
10. (antagonist)
11. .

< 7>

()

: (Pain)

: 가 (Patient-Controlled Analgesia(PCA) Assistance)

:

1. 가 PCA :

2. .

3. ' ' ' .

< 7>

()

: (Skin Integrity, Risk for Impaired)
:
:
:

1. .
2. , , , , (texture), , .
3. , , .
4. .
5. .
6. .
7. , .
8. .
9. 가 , .
10. .
11. .
12. .
13. .
14. 가 .

< 7>

()

: (Skin Integrity, Risk for Impaired)
:
:
:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
7. ' , ' .
- 8.
9. 1~2 .
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
17. (Small shifts of body weight frequently).
18. 가 (trapeze) .
19. B, C, , A,
20. 가 .

< 7>

()

: (Skin Integrity, Risk for Impaired)

: (Pressure Management)

:

1.

2.

3.

4.

5. scale)

(, Braden

6.

7.

가

8.

/

9.

가

10.

/

11.

12.

2

13.

14.

15.

< 7>

()

: (Skin Integrity, Risk for Impaired)
: (Positioning)
:

1. , .
2. (, semi-Fowler position)
3. / () .
4. .
5. 가 .
6. .
7. 2 .
8. .
9. .
10. .
11. .
12. .
13.). (,
14. .
15. 가 .
16. 가 .
17. .
18. (Log roll technique) .
19. .
20. 가 .
21. .
22. 가 .
23. .

< 7> ()
 : (Skin Integrity, Risk for Impaired)
 : (Positioning)
 :
 24. .
 25. 20
 26. / .
 27. (footboard) .
 28. (, hand roll, trochanter roll)
 29. ROM .
 30. .
 31. .
 32. call light .

- < 7> ()
- : (Skin Integrity, Risk for Impaired)
 - : (Foot Care)
 - :
 - 1. , , , 가 , .
 - 2. (Arterial insufficiency) .
 - 3. .
 - 4. 가 .
 - 5. .
 - 6. 가 .

< 7>

()

: (Skin Integrity, Risk for Impaired)
:
: (Ostomy Care)
:

1.

2.

3.

4.

5.

(Ostomy bag)

6.

7.

8.

9.

< 7>

()

: (Skin Integrity, Risk for Impaired)

: / (Traction/Immobilization Care)

:

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12. 가

13.

14.

15.

16.

(trapeze)

- < 7> ()
- : (Ventilation, Inability to Sustain Spontaneous)
- : (Respiratory Monitoring)
- :
1. , , .
 2. .
 3. (Kussmaul) , - (bradypnea), (Cheyne-Stokes) , , (Biot), .
 4. .
 5. (adventitious sound)
 6. , , 가 (air hunger) 가 .
 7. 가 .
 8. .
 9. 가 (, , VEV1, FEV1 / FVC) .
 10. 가 1 (tidal volume) , (inspiratory pressure) .
 11. .
 12. (Crackles) (Rhonchi)
 13. (SaO2), (SvO2), end tidal CO2, 가 (ABG) .
 14. , , , .
 15. .
 16. .
 17. (,) .

- < 7> ()
- : (Ventilation, Inability to Sustain Spontaneous)
- : (Ventilation Assistance)
- :
1. .
 2. (adventitious sound)
 3. .
 4. .
 5. .
 6. .
 7. () .
 8. (,) 가
(overbed table)).
 9. .
 10. (ABG, SaO₂, SvO₂, end tidal CO₂,
Qsp/Qt, A-aDO₂) .
 11. , .
 12. (incentive spirometer) .
 13. 가 (,
,).
 14. .
 15. .

< 7>

()

: (Ventilation, Inability to Sustain Spontaneous)

: (Airway Suctioning)

:

1. , , ()

2.

3.

4.

5. (universal precaution) :

6.

7.

8.

1/2

9.

(closed tracheal suction system)

10. (oxygen insufflation device adaptor) ,
가

11.

12.

13.

14. 가 ,

15.

16.

< 7>

()

: (Ventilation, Inability to Sustain Spontaneous)
:
: (Artificial Airway Management)
:

1. (Crackles) (Rhonchi) 가 .
2. 가 가
3. / ()
4. , , .
5. cm
6. 가
7. 가 / (cuff)
8. , 15~20mmHg /
9. .
10. bite block (oropharyngeal) airway .
11. 가 가 .
12. 가 : ,
13. 24 , .
14. .
15. 100% 가 .
16. .
17. 4-8 : .
18. .
19. 가 .

- < 7> ()
- : (Ventilation, Inability to Sustain Spontaneous)
 - : (Artificial Airway Management)
 - :
 - 20. .
 - 21. .
 - 22. 가 (intubation equipment)
 - 22. Ambu bag . 가
 - 23. .
 - 24. X-

- < 7> ()
- : (Ventilation, Inability to Sustain Spontaneous)
- : (Mechanical Ventilation)
- :
- 1.
 - 2.
 3. 가 (ventilator mode)
 - 4.
 - 5.
 6. 가
 - 7.
 - 8.
 - 9.
 - 10.
 - 11.
 12. (, , ,)
 13. SvO2, end-tidal CO2, Qsp/Qt, A-aDO2 : ABG, SaO2,
 14. (sensation) 가
 15. (,)
 - 16.
 - 17.
 18. / ()
 19. PSV PEEP
 - 20.
 21. 가
 - 22.
 - 23.
 24. shunt , , Vd /Vt, MVV, , FEV1

< 7>

()

: (Ventilation, Inability to Sustain Spontaneous)
:
:
:
:

1. .
2. .
3. , .
4. , , .
5. .
6. .
7. , , , .
8. .

< 7 >

()

: (Ventilation, Inability to Sustain Spontaneous)
:
: (Aspiration Precautions)
:

1. , , , .
2. (pulmonary status) .
3. .
4. (Cuff) .
5. 가 .
- 6.
7. .
8. .
9. .
10. 30~45 .

ABSTRACT

Development of a Nursing Intervention Protocol Based on Nursing Diagnosis of Critical Medical-Surgical Patients

Yun, Hye Young
Dept. of Nursing
The Graduate School
Yonsei University

Professional nurses in the 21st century use research to promote independent practice and to link nursing diagnoses and nursing interventions. In this study a nursing intervention protocol for critical medical-surgical patients which can be used for instruction in nursing activities was developed. Understanding of priority nursing diagnoses and identification of related nursing interventions and activities is an important link for nursing.

The participants were 55 nurses with more than 3 years experience in one of five ICUs in Y medical center in Seoul. Through a survey based on the nursing diagnoses of the North American Nursing Diagnosis Association, content validity of the nursing diagnoses for critical medical-surgical patients was verified.

For these nursing diagnoses and according to the nursing interventions suggested by Nursing Intervention Classification(NIC), priority nursing

interventions were established and agreed upon by a team of experts. The experts were nurses with careers in ICU of 5 years or more and 3 professors of nursing.

Following translation and updating of the NIC nursing activity list, a nursing activity list for the established nursing interventions was developed as the preliminary nursing intervention protocol. After verification for content validity by the expert group, a final nursing intervention protocol for critical medical-surgical patients was developed.

A summary of the result of this study is presented below.

1. Nursing diagnoses for these patients were established as those which had a CVI (Index of Content Validation) of .90 or higher. Ten diagnoses met the criteria, Risk for infection, Ineffective airway clearance, Risk for aspiration, Ineffective breathing pattern, Pain, Altered tissue perfusion, Impaired gas exchange, Fluid volume deficit, Risk for impaired skin integrity, and Inability to sustain spontaneous ventilation,

2. From the nursing interventions suggested by NIC for the 10 diagnoses 32 were selected by all of the experts. As well as these interventions, 45 priority interventions were selected for a total of 67 interventions.

3. Using the preliminary nursing intervention protocol from the expert group, nursing activities were selected through examination of content validity. A total of 979 activities having a CVI of .83 or higher were selected. The intervention, "Exercise promotion" for the nursing diagnosis "Risk for impaired skin integrity" was deleted as none of the nursing activities met the CVI criteria.

4. The final nursing intervention protocol developed for critical medical-surgical patients consisted of 10 nursing diagnoses, 66 nursing interventions, and 979 nursing activities.

Such nursing intervention protocols can help nurses make decisions and provide constant/scientific care. Through continuous development, they will also provide a computerized system of nursing diagnoses and interventions and improve the personal capability of nurses to be professional.

Key words : medical-surgical critical patients, nursing diagnosis,
nursing intervention protocol