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\* (machoe@plaza.snu.ac.kr)  
\*\* (gsshin@redcross.ac.kr)

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 / 42  
 36 가  
 / 6 (14.3%),  
 16 (44.4%)  
 / (71.4%)  
 (52.8%)

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 78 ( 72 ) 150 1997 5 8  
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 42 , 36  
 53.8%, 50%  
 /  
 10 (33.8%), 7 (16.7%),  
 6 (14.3%), 7 (16.7%)  
 9 (25%), 4 (11.1%),  
 8 (22.2%), 7 (19.4%), 8 (22.2%)

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( )	%	( )	%
10	23.8	9	25
7	16.7	4	11.1
6	14.3	-	-
6	14.3	8	22.2
6	14.3	7	19.4
7	16.7	8	22.2
42	100.0	36	100.0

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( )	%	( )	%
6	14.3	16	44.4
6	14.3	19	52.8
30	71.4	1	2.8
42	100.0	36	100.0

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( )	%	( )	%	( )	%	( )	%
22	100.0	-	-	20	100.0	-	-
22	100.0	-	-	20	100.0	-	-
20	90.9	2	9.1	1	5	19	95
21	95.5	1	4.5	19	95	1	5
22	100.0	-	-	19	95	1	5
21	90.9	1	4.5	18	90	2	1

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가 , , , ,

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가 1 (5%)  
가 2 (10%),  
가 1 (5%) 1  
6 2

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(%)		(%)	
3	(30%)	3	(37.5%)
6	(60%)	5	(52.5%)
1	(10%)	8	(100%)
10	(100%)		

/ 6 (60%), 5 < 5>  
 (52.5%)가 / 4 (57.2%), 2  
 3 (37.5%)가 / 3 (30%), (50%)가  
 / 1 (10%)가 / 2 (50%)가 3 (42.8%),

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(%)	(%)
3 (42.8%)	2 (50%)
4 (57.2%)	2 (50%)
7 (100%)	4 (100%)

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(%)	(%)
6 (100%)	6 (100%)

< 6> 가  
 / 6 (100%) 가  
 < 7>  
 / 4 (57.1%), 5 (85.7%)가  
 (62.5%)가  
 / 2 (28.6%), 1 (14.3%)가  
 (12.5%)가  
 / 1 (14.3%), 2 (25%) < 8>  
 / 5 (83.8%), 6  
 / 1 (16.7%)가 1

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/	
(%)	(%)
1 (14.3%)	2 (25%)
4 (57.1%)	5 (62.5%)
2 (28.6%)	1 (12.5%)
7 (100%)	8 (100%)

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(%)	(%)
1 (16.7%)	6 (85.7%)
5 (83.3%)	

6 (100%)	1 (14.3%)
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7 (100%),	8 (100%)	30%),	4 (42.9%),	1 (14.3%),
가	.	1 (16.7%)	,	,
		4 (44.4%),	2 (50%),	1
		(12.5%)	.	가

(Torres, 1974: Lawrence  
& Lawrence, 1983: , 1984)

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7 (100%)	8 (100%)
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(n=6)

	(%)
, , , , , ,	6(100)
, , , , , ,	5(83.3)
, , , , , ,	5(83.3)
, , , , , ,	5(83.3)
, , , , , ,	3(50)
, , , , , ,	3(50)
, , , , , ,	3(50)
, , , , , ,	2(33)
, , , , , ,	2(33)
, , , , , ,	1(16.7)
, , , , , ,	1(16.7)
, , , , , ,	1(16.7)
, , , , , ,	1(16.7)

< 10> 19 , 5 (83.3%)가  
 (100%)가 , , , , , ,  
 , 16 (84.2%)가 3 (50%)가 , , , , , ,  
 , 13 (68.4%)가 2 (33%)가 , , , , , ,  
 , 11 (57.9%)가 1 (16.7%)가 , , , , , ,  
 , 9 (47.4%)가 , , , , , ,  
 , 7 (36.8%)가 50%가 , , , , , ,  
 , 6 (31.6%)가 , 5 , , , , , ,  
 (26.3%)가 , , , , , ,

가 50% , , , , , , 3 , , , , , ,

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 (100%) 가 , , , , , , 13 (100%) 가 , , , , , ,  
 , , , , , , 10 , , , , , ,  
 (90.9%)가 , , , , , , 10 (76.9%)가 , , , , , ,  
 (45.5%)가 , , , , , , 9 (69.2%)가 , , , , , ,  
 3 (27.3%)가 , , , , , , 6 , , , , , ,  
 , , , , , , (46.2%)가 5 , , , , , ,  
 , , , , , , (38.5%)가 , , , , , ,  
 가 50% , , , , , , 1 가 , , , , , ,

50% , , , , , , , , , , , ,  
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 가 , , , , , , 가 50% , , , , , ,  
 , , , , , , 6 (100%) 가 , , , , , , 가 , , , , , ,





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5 (52.5%)

3 (37.5%)

3 (42.8%) 2 (50%)

1 (14.3%)

2 (25%)

1 (16.7%) 50%

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(10%), 2 (28.6%),

1 (12.5%),

1 (14.3%)

3. 19 (100%)가

, , , , , 16 (84.2%)가

, , 13 (68.4%)가 , 11

(57.9%)가 , 9 (47.4%)가

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(100%)가 , , , , ,

, 10 (90.9%)가 ,

, 5 (45.5%)가 , ,

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(100%)가 , , , ,

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(83.3%)가 , , , , 3

(50%)가 , , , ,

13 (100%)가

, , , , ,

, 10 (76.9%)가 , , ,

, 9 (69.2%)가 , ,

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14 (100%)

가 , , , , ,

, 10 (71.4%)가 , , 8

(57.1%)가 , 7 (50%)가

15 (100%)

가 , , , , ,

, , 12 (80%)가 , ,

, 11 (73%)가 , ,

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-Abstract-

Key concept : Nursing education, Basic medical sciences

## Objectives and Contents of Basic Medical Sciences in Nursing Education

*Choe, Myoung Ae\* Shin, Gi Soo\*\**

The purpose of this study was to investigate the objectives and contents of basic medical sciences at department of nursing in college of nursing, and junior college of nursing, thus ultimately providing the basic data to standardize the curriculum of the basic medical sciences in nursing education.

Seventy eight professors who were in charge of teaching basic medical sciences to at 22 colleges of nursing/ department of nursing, and 20 junior colleges of nursing responded to the questionnaires that consisted of the questions regarding objectives and contents, of basic medical sciences.

Based on the description of objectives, the description related to nursing, nurse, nursing science was categorized as on objective applicable to nursing science, the description related to medicine or clinical medicine as medical model, the description without description related to medicine was categorized as knowledge acquisition.

The number of schools corresponding to each category were summarized in descending order.

The objectives of basic medical sciences were categorized by concepts and number of schools corresponding to the categorized concept.

The findings of the study are as follows ;

1. The subjects of basic medical science identified were physiology, anatomy, biochemistry, pathology, microbiology, and pharmacology in most colleges of nursing and junior colleges. Two colleges of nursing/department of nursing (9.1%) and 19 junior colleges of nursing(95%) did not offer

biochemistry, 1 college of nursing /department of nursing(5%) did not offer pathology & pharmacology. 2 junior colleges of nursing (10%) did not offer pharmacology, 1 junior college of nursing(5%) did not offer pathology. The other 1 junior college of nursing did not offer microbiology.

2. Objectives of physiology were to acquire knowledge and understanding on human function in both 6 (50%) colleges and 5 junior colleges. Objectives of anatomy were to acquire knowledge on human structure in both 4 (57%) colleges and 2 (50%) junior colleges; knowledge applicable to nursing sciences in both 3 (42.8%) colleges and 2 (50%) junior colleges. Objectives of biochemistry was to obtain knowledge and understanding on biochemistry, and understanding of basic concepts about biochemistry. Objectives of pathology were to obtain knowledge and understanding on pathology in both 4 (57.1%) colleges and 5(62.5%) junior colleges. Objectives of microbiology were to acquire knowledge and understanding on microbiology in both 5(83.8%) colleges and 6(85.7%) junior colleges. Objectives of pharmacology were to acquire knowledge on pharmacology in both 7(100%) colleges and 8(100%) junior colleges.
3. Contents of physiology in 19 (100%) schools were membrane transport, digestion, circulation, nervous system and respiration. In 16(84.2%) were kidney and muscle, that in 13(68.4%) were endocrine physiology. In 11(57.9%) were introduction and that in 9(47.4%) were structure and function of cells. Contents of anatomy in 11(100%) schools were skeletal system, muscle system, digestive system, circulatory system, concepts regarding human structure. In 10(90.9%) schools were endocrine system and nervous system, and in 5(45.5%) schools were blood, urinary system and cell. Contents of biochemistry in 6(100%) schools were

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\*\* Redcross College of Nursing

history of biochemistry, body regulating factor, bioenergy, health and nutrition, nutrition of cell, energy production system. In 5(83.3%) schools were metabolism of protein and carbohydrate and enzyme, and in 3(50%) schools were metabolism of energy and fat. Contents of microbiology in 13(100%) schools were environment and influenc of bacteria, virus, G(-) rods, purulent cocci, G(+) rods. In 10 (76.9%) were immunity, diphtheria, enterobacteria, and in 9(69.2%) were spirochete, rickettsia and clamylia, and that in 6(46.2%) were sterilization and disinfection. Contents of

pathology in 14(100%) schools were cell injury and adaptation, inflammation, respiratory diseases, circulatory diseases. In 10(71.4%) were neurological disorders, in 8(57.1%) were immunity and disease, and in 7 (50%) were tumor and progressive changes. Contents of pharmacology in 15(100%) were cardiovascular drugs, introduction to pharmacology, hypnotics, analgesics, local anesthetics, an ticonvulsants. In 12(80%) were drugs activity on sympathetic and parasympathetic nervous system, and in 11(73%) were sulfa drugs, antibiotics, drug abuse and addiction.