

## 간호대학생의 BLS 교육과 CPR관련 응급상황에 대한 인식조사 Perception of Nursing Students on BLS Education and CPR related emergency situation

김 선 경, 김 종 임\*, 김 선 애\*\*

국립목포대학교 간호학과, 충남대학교 간호대학\*,  
한국교통대학교 간호학과\*\*

Sun Kyung Kim, Jong-ImKim\*, Sun-AeKim\*\*

Department of Nursing, Mokpo National  
University, College of Nursing, Chungnam  
National University\*, Department of  
Nursing, Korea National University of  
Transportation\*\*

### ABSTRACT

This study was to investigate the current educational situation for Basic Life Support (BLS) and perception on CPR related emergency situation and its relationship with basic nursing skill among undergraduate nursing students in Korea. Participants consider help from others are the most important elements in CPR situation, followed by the skills and knowledge. The majority of the subjects (79.7%) selected high and very high for the association between basic nursing skill and CPR management. The well systematized skill training may ultimately improve students' the ability to react on real-life accidents using well developed emergency management skills.

### I. Introduction

Cardiopulmonary resuscitation (CPR) has been recognized as one of core skills to be equipped among nursing students [1]. The CPR training continues after graduation to develop basic skills for proper management of emergency situations in clinical settings[2]. Nursing students who are encountered with emergency situations get quite confused because all accidents are unpredictable[3,4]. Students' perception on BLS Education is very important factor enabling prompt reaction to crisis including CPR-related emergency[3]. The aim of this study was to investigate the current educational situation for Basic Life Support (BLS) and perception on CPR related emergency situation and its relationship with basic nursing skill among undergraduate nursing students in Korea.

### II. Method

Undergraduate students (year 3 and 4) of nursing schools in five different districts in Korea completed a cross-sectional survey. Convenience sampling was used and 197 undergraduate nursing students participated agreed to participate in the study with signed on

informed-consent forms. Using Statistical Package for Social Sciences (SPSS 21.0, SPSS Inc., Chicago, IL, USA), data were analyzed.

### III. Result

One out twenty subjects had experience of CPR in real life. Concerning of the most important elements of CPR in an emergency, the largest proportion of participants (32.0%) answered that they were help from others followed by the skills and knowledge. In terms of perceived degree of association between basic nursing skill and management in emergency situation, majority of the subjects (79.7%) selected high and very high.

### IV. Conclusion

This study showed the current status of BLS education for undergraduate nursing students and their perception about the CPR-related emergency situation. Knowing the priorities that students consider important in emergency situation, instructors would deliver the educational contents in effective manner. The well systematized skill training may ultimately improve

students' the ability to react on real-life accidents using well developed emergency management skills.

Table 1. General Characteristic of Study Participants (n=197)

Variables	Categories	N	%
Experience of BLS education at school	Yes	185	93.9%
	No	12	6.1%
Experience of other CPR education	Yes	118	62.1%
	No	72	37.9%
Experience of performing CPR in real life	Yes	10	5.3%
	No	178	94.7%
The most important thing in CPR related emergency situation	Knowledge	41	20.8%
	Skill	50	25.4%
	Attitude	37	18.8%
	Device	5	2.5%
	Help from others	63	32.0%
Perceived degree of association with basic nursing skill	High	93	79.7%
	Moderate	35	17.8%
	Low	5	2.5%

Table 2. Present condition of BLS education and perception on CPR related emergency situation among nursing students (n=197)

Variables	Categories	N	%
Experience of BLS education at school	Yes	185	93.9%
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Experience of other CPR education	Yes	118	62.1%
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## References

- [1] J H Kim, I H Park, and S Shin, "Systematic review of Korean studies on simulation within nursing education". *The J of Kor Acad Soci of Nurs Edu*, Vol. 19, No. 3, pp. 307-319, 2013.
- [2] S Kardong-Edgre, M H Oermann and T Odom-Maryon, "Findings from a nursing student CPR study: Implications for staff development educators". *J Nur Prof Develop*, Vol. 28, No. 1, pp.9-15, 2012.
- [3] K Hood, et al, "Transforming nursing education: development and evaluation of interprofessional clinical skills training for students on clinical placement". *J of Nurs Edu and Prac*, Vol. 4, No. 8, pp. 97-106, 2014.
- [4] N M Turner et al, "The effect of the APLS-course on self-efficacy and its relationship to behavioral decisions in paediatric resuscitation", *Resuscitation*, Vol. 80, pp. 913-918, 2009.