

JOINT EVENT

5<sup>th</sup> Annual Congress on **EMERGENCY NURSING & CRITICAL CARE**  
&  
**26<sup>TH</sup> CANCER NURSING & NURSE PRACTITIONERS CONFERENCE**  
July 16-17, 2018 | London, UK

## Comparison of the knowledge and skill of resuscitation training in nurses of emergency and critical care department

Yu-Mei Chiu, Tso-Tsai Liu, Jiin-Ling Jiang, Hsien-Yong Lai, Hui-Ming Chen and Shuei-Chen  
Mennonite Christian Hospital, Taiwan

**Objectives:** Aim of this study is to analyze the present performance of advanced cardiovascular life support (ACLS) knowledge and skills among nursing staffs in the emergency and critical care department of a regional hospital in Taiwan, before and after the intervention of ACLS training and context simulation.

**Methods:** 61 nurses were included in this study. First we evaluated the knowledge and skills before the intervention of ACLS training and evaluated again after the ACLS training. ACLS context simulation was performed three months later and the third evaluation was arranged six months later. The research parameters were included the basic information of nursing staffs, ACLS written tests, BLS and Mega code skill tests. All data have been analyzed by SPSS 24.0 software.

**Results:** The age, nursing status, total nursing experience years, the seniority of emergency and critical care, and frequency of practicing CPR and review of ACLS article of nursing staffs were significantly different in the result of performing ACLS knowledge and skills. After receiving ACLS education training, there were statistically significant differences. Knowledge and skills of ACLS education three months after the intervention of the situation simulation review, for the first aid of knowledge and skills of memory there is a significant retention effect.

**Conclusions:** The situational simulation review three months later of the ACLS course has a significant effect on the memory of the knowledge and skills for resuscitation. Therefore, the ACLS simulation review course should be arranged within three months after the initial ACLS training course to prevent deterioration of knowledge and skills. The review course would be designed in 10 to 15 minutes by the way of context simulation to increase team strategy understanding and keep CPR quality in an efficient way.

### Biography

Yu-Mei Chiu is a Specialist Nursing in emergency department. She holds a Master's degree from Taiwan Tzu Chi University. She has over 20 years of experience in first aid education and training.

6688mchorgtw@gmail.com

### Notes: