The effect of retraining program competency based planning on nurses practice in cardiopulmonary resuscitation in emergency department

Seyed Ehsan AsadiI

esfshsn- esfahan, ehsanasadi26@yahoo.com

Introduction: According to technology progress towards and growth in medical sciences on cardio-pulmonary resuscitation, nursing human-forces training and education in emergency department seem to be necessary. Therefore, the present study was conducted on of retraining program competency based planning for nurses practice on cardio-pulmonary resuscitation in emergency department.

Method: This study is semi-experimental type, sampling non-random, carried out on case (30 nurse) and control (30 nurse) groups in training hospital dependent to esfahan University of Medical Sciences. Data gathered by using of nurse practice observational Questionnaire on cardio-pulmonary resuscitation. Re-training program competency based was planning and implemented based on re-training planning principles as well as competency-based training (CBT) basic steps on cardio-pulmonary resuscitation of case group. Data were gathered from two steps including the previous step and 4-month following experiment on case and control groups separately and analyzed in SPSS16 software using descriptive statistics (Frequency, mean, standard deviation) and inferential statistics (Mann-Whitney, Chi-square, Wilcoxon)

Results: Chi-square statistical test showed that no significant differences were found in terms of demographic variables such as age, sex, job experience, … between two groups ($P>0.05$). Mann-Whitney test was revealed that nurses performance dimensions on cardio-pulmonary resuscitation was found to be different between two groups ($P<0.05$). Also, Mann-Whitney test, showed significant differences between total nurses performance scores on cardio-pulmonary resuscitation between two groups following 4-months duration ($P<0.05$ ）

Conclusion Findings these study to revealed, applying re-training program competency based is effective on the nurses practice on cardio-pulmonary resuscitation and advancement about 51 percent up to the nurses practice emergency department. So it is suggested that re-training program competency based to be applied as nursing human-forces training in emergency department

Keywords: competency based retraining program| nursing practice| cardiopulmonary resuscitation| nurse