

A phased response plan: a step towards empowering students to perform basic and advanced cardiopulmonary resuscitation

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Introduction: One of the main tasks of nursing schools is providing sufficient forces to provide clinical services and in this way teaching style can play an important role in the development of clinical skills. Several studies have shown that the level of knowledge and skills between CPR team is at low level. A phased response plan is used to make students competent in basic and advanced CPR.

Materials and Methods: In this method undergraduate EMT student, firstly were taught the theory of cardiopulmonary resuscitation according to the course plan, then in one session the teamwork and leadership skills and seven phased response plan (expectation, entrance, restoration, maintenance, Calling family, transmission and critique sessions) were taught. Also in 10 sessions some technical skills such as cardiac massage, shock, mask ventilation, intubation, suctioning and non-technical skills such as communication, and teamwork and leadership skills of coordination were taught. Another 5 session went to practice teamwork and run different scenarios (scenarios developed by students in coordination with their mentor based on 2015 CPR algorithm.)

Results: In terms of leadership skills, 83 % of the team leaders properly explained the roles of members and their functions, 67 % facilitated and controlled , 50% of the members, actively participated in the critique session and but only 17 %of team leaders showed effective feedback to team members. Also coordination and cooperation between members was 83 %, control of equipment 83 %, and switching roles during resuscitation 34%, and confirm the patient's condition and vital signs to team leader was 50% of cases. In total, the performance of team members at the CPR time was good as expected. 71/4 % of students were satisfied with this method of teaching.

Conclusion: The results of this study indicate that a phased response plan approach have good efficacy in improving team and leadership skills. This approach can be used in any CPR situations.

Keywords: A phased response plan| empowering| CPR

