Title:
The Effectiveness of Using High-Fidelity Simulation Team Training on Advanced Cardiac Life Support

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Session Title:
Research Poster Session 3
Slot (superslotted):
RSC PST 3: Sunday, 30 July 2017: 9:45 AM-10:15 AM
Slot (superslotted):
RSC PST 3: Sunday, 30 July 2017: 12:00 PM-1:15 PM
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RSC PST 3: Sunday, 30 July 2017: 2:00 PM-2:30 PM

Keywords:
Advanced Cardiac Life Support, High-Fidelity Simulation and Team Resource Management model

References:


Abstract Summary:
Conclusions We recommended that successful implementation of a training program should meet the demands of trainees. Such interventions may include incorporation of the Team Resource Management model, utilization of high-fidelity medical simulations, scheduled integrated team-based drills, and unscheduled hands-on practice and tests.
Learning Activity:

<table>
<thead>
<tr>
<th>LEARNING OBJECTIVES</th>
<th>EXPANDED CONTENT OUTLINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The learners will be realize that how to use the Team Resource Management model on Advanced Cardiac Life Support Training.</td>
<td>The Team Resource Management model on Advanced Cardiac Life Support Training.</td>
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<tr>
<td>The learners will be realize that how to design an High-Fidelity Simulation Team Training program.</td>
<td>Training program included enhancement class satisfaction, individual professional ability, teamwork spirit and practical work efficiency.</td>
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Abstract Text:

Purpose:

The medical developments increasingly complex, many medical practices staff needs through different areas in order to jointly completed, the occurrence of most medical blunders, poor communication and a lack of teamwork is the main reason. In Taiwan, the first aid care quality is very valued, in order to allow
physicians, nurse in emergency care that can demonstrate teamwork and advanced cardiac life support capabilities, we aid based on AHA 2015 ACLS guideline processes and hospital medical staff recovery practices, incorporating the spirit of TRM training. Through a systematic way to teach a team how to effectively communicate and collaborate, expect to reduce clinical errors, enhance the advanced cardiac life support (ACLS) knowledge, teamwork, and overall satisfaction, to protect patient safety. The purpose of this study is to evaluate whether the using High-Fidelity Simulation Team Training would produce greater improvement in advanced cardiac life support (ACLS) knowledge, teamwork, and overall satisfaction with the training method.

**Methods:**

This is an interventional study, conducted 18 group of 108 people (54 resident physicians and 54 nurse) for team training from February 2015 to October 2016. The SIM-Man (patient simulator) are Used to training and teaching, and designed a clinical situation. The process according AHA 2015 ACLS guideline included teamwork spirit and made a checklist. ACLS qualified professional teachers to assess the effectiveness of training for each group, and questionnaires. In SPSS for Windows statistic package software was used to process the data analysis.

**Results:**

The use of high-virtual team training compared with the traditional training. There were significant intergroup differences for enhancement class satisfaction (p<0.05), individual professional ability(p<0.05), teamwork spirit(p<0.05) and practical work efficiency(p<0.05).

**Conclusion:**

We recommended that successful implementation of a training program should meet the demands of trainees. Such interventions may include incorporation of the Team Resource Management model, utilization of High-Fidelity Simulation Team Training, scheduled integrated team-based drills, and unscheduled hands-on practice and tests. The results of this study could serve as a reference for the improvement of future ACLS training courses.