Code Blue Simulation: Not Just for Nurses!

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Integration
Learning Objectives

• Participants will describe integration of multiple disciplines in simulation scenarios conducted in a hospital simulation laboratory.

• Participants will discuss the how interdisciplinary simulation impacted communication, teamwork and improved clinical practice in an emergent situation.

• Participants will consider implications for use of interdisciplinary simulation.
Background/purpose

Recognizing that new and experienced staff often struggle with effective communication techniques in a crisis situation, pharmacy and respiratory therapy (RT) staff were invited to join newly hired nursing staff in code blue simulation scenarios.

The purpose of this study was to provide an opportunity to promote interdisciplinary teamwork in an emergent setting.
Methods

• **Population**
  – convenience sample
  – 38 staff
  • New graduate RN’s
  • Respiratory Therapists
  • Pharmacists and Pharmacy Residents
Methods

• **Scenario**
  – tailored for each group’s area of practice
  – always ended in cardiac/respiratory arrest

• **Debriefing**
  – conducted with all participants

• **Post simulation questionnaire**
  – evaluated confidence prior to and after participation in the scenario
Results

How would you rate your confidence in providing the type of care this simulated patient required prior to participating in this scenario?

![Bar chart showing confidence ratings for RTs, Pharmacy, Nurses, and All combined across different levels of confidence.](chart.png)
Results

How would you rate your confidence in providing the type of care this simulated patient required after participating in this scenario?
Results

I feel that participating in this scenario helped to promote interdisciplinary communication and teamwork.
Implications for Practice

• Positive benefits of involving multiple disciplines in simulation scenarios
• Management from the disciplines involved have requested further sessions to enable more staff to participate
• Plans are to incorporate medical residents into the scenarios
• Expanding multidisciplinary involvement and further development of simulation as an orientation and educational methodology is a goal of this hospital’s nursing administration
• This project is in line with suggestions from the IOM and QSEN regarding teamwork and communication
References

• Ackermann, A. D. (2009, NOVEMBER). Investigation of learning outcomes for the acquisition and retention of CPR knowledge and skills learned with the use of high-fidelity simulation. Clinical Simulation in Nursing, VOL(5). Doi: 10.1016/j.ecns.2009.05.002


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