

CRISIS RESOURCE MANAGEMENT (CRM): PRACTICAL STRATEGIES TO INCORPORATE CRM ISSUES INTO SIMULATED PEDIATRIC RESUSCITATIONS

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Introduction/Rationale

Crisis resource management (CRM) training in pediatric residency and fellowship programs has become increasingly widespread over the past decade. This training aims to strengthen various aspects of non-technical skills essential in providing efficient care to patients in emergency situations. Simulation-based education allows teams to engage in simulated resuscitations, which help to highlight leadership, communication and teamwork issues that arise during patient care. This workshop aims to teach participants practical, useful, and easy-to-implement strategies for incorporating CRM elements into new or previously existing pediatric scenarios and debriefings. At each stage of the workshop we will utilize small group and activity based learning to maximize participant involvement and group interaction. By the end of the workshop, all participants will have a framework for incorporating all aspects of CRM into their pediatric simulated resuscitation scenarios.

Format of Workshop

This workshop will engage participants in an interactive learning environment. The session will begin with a group discussion outlining the importance of CRM principles. Next, participants will be broken up into small groups, and they will generate specific strategies to incorporate CRM principles into pediatric scenarios. Following this, instructors will provide a summary of the key strategies identified. For the second half of the workshop, we will use a group exercise which will give participants the opportunity to identify CRM behaviours, and subsequently manipulate the exercise to target specific CRM elements.

Workshop Outline

1. Introductions (5 min) 2. Overview of CRM (8 min) 3. Small groups breakout session – strategies to incorporate CRM principles into pediatric scenarios (10 min) 4. Large group – review of strategies to incorporate CRM principles (20 min) 5. Group exercise simulation – standard exercise with minimal intervention (5 min) 6. Group exercise simulation – interventions incorporated to highlight CRM principles (5 min) 7. Wrap up and summary (5 min)

Target Audience

Novice learners just getting started in pediatric simulation who wish to learn more about CRM issues, and how they can be elucidated from scenarios - Intermediate and advanced learners who are already running courses, but wish to learn more about how they can improve their current scenarios by making small changes to enhance CRM issues.

Aims and Learning Outcomes

1. Discuss key principles of CRM, and identify key content items within each principle 2. Apply specific strategies to incorporate key CRM principles into pediatric scenarios 3. Assess and discuss CRM behaviours as they relate to a group simulation exercise 4. Use a simple activity-based group simulation exercise to teach CRM principles

References

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