

Medical Emergencies: Education Through Simulation

Trish Miller

Nurse Education Facilitator

Centre for Nursing & Midwifery Education
and Research

Flinders Medical Centre



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Introduction

- > Background
- > Team MET Program
- > Framework
- > Program
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Background

- > Flinders Medical Centre's (FMC) Medical Emergency Team (MET) service
- > MET staff: Intensive Care Nurses / Doctors trained in Advanced Life Support
- > MET staff respond to an average of 4.4 MET calls per day at FMC
- > 2 Staff Satisfaction Surveys on MET service completed during 2012

Team MET Program

- > Based on simulated patient deterioration scenarios
- > Multi-disciplinary workshop
- > Objectives:
 - Teamwork
 - Situational awareness
 - Communication
 - Role clarification
 - Technical Skills

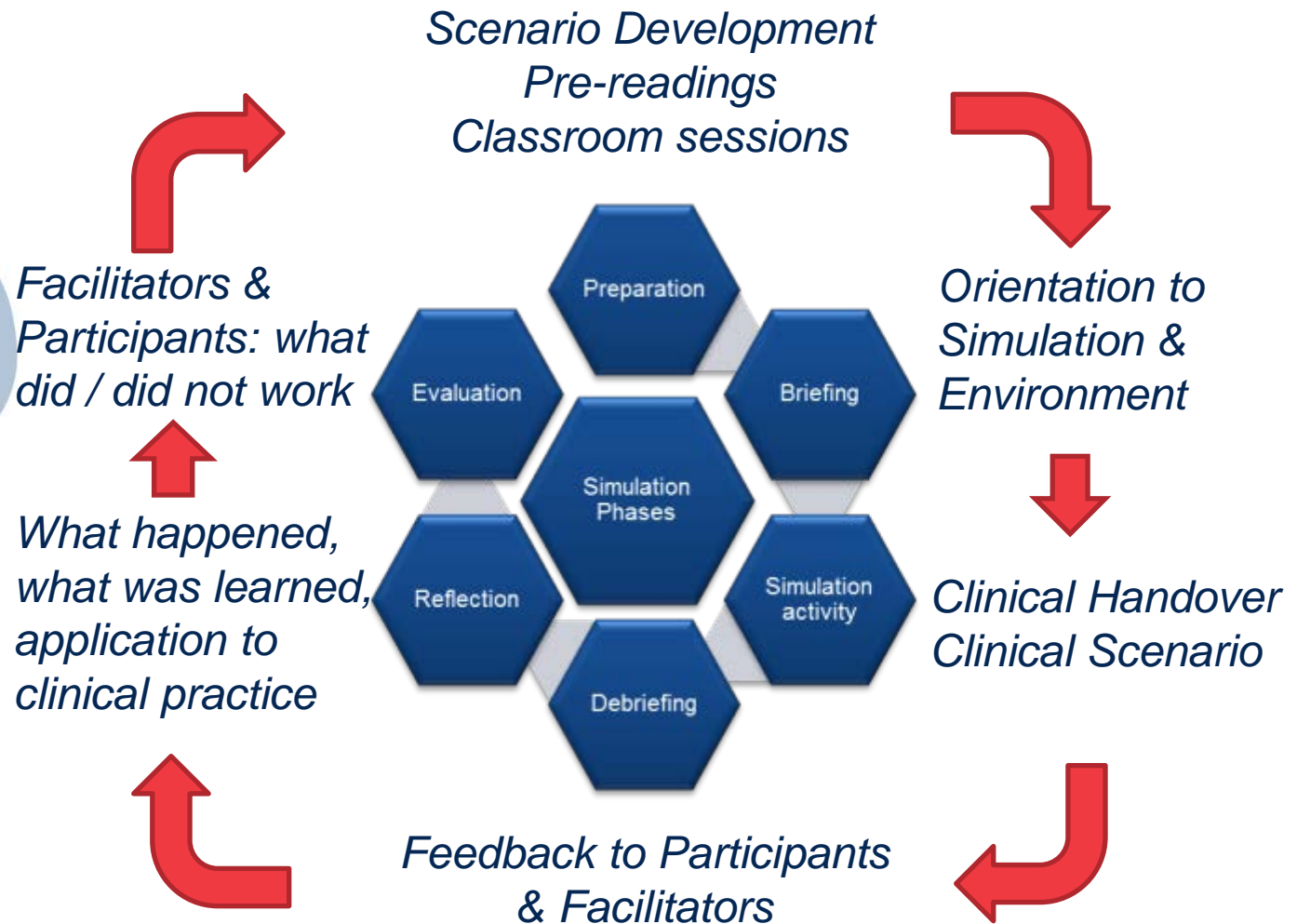


Workshop Framework

- > Clinical Simulation training by National Health Education & Training in Simulation (NHET-Sim) Program



Workshop Program



Workshop Resources - Staffing

3 Workshop Facilitators:

- Nurse Educator
- ICCU CSC
- ICCU Consultant

1 – 2 Confederates

1 Professional Actor

16 Participants:

TEAM 1

- 3 Ward RN / ENs
- 3 ICCU MET RNs
- 1 Ward Doctor
- 1 ICCU MET Doctor

TEAM 2

- 3 Ward RN / ENs
- 3 ICCU MET RNs
- 1 Ward Doctor
- 1 ICCU MET Doctor



Workshop Equipment & Setting

Equipment:

- iSimulate Platform
- Sim Man
- Emergency Trolley
- Automated External Defibrillator
- MET Bag
- Patient notes



Setting:

- Clinical skills labs



- Classroom







Results

- > 10 workshops (17 clinical areas) from 2013 – 2014
 - 120 Registered / Enrolled Nurses
 - 40 Doctors (RMO / Registrars)
- > Team MET participants evaluated clinical simulation as an “engaging” and “realistic” learning platform
- > Debriefing sessions considered “essential” in simulation education
- > Simulations rated relevant to clinical practice; enhanced understanding of their role in the management of medical emergencies



Recommendations

- Clinical simulation: suitable and safe learning platform
- Clinical simulation training of facilitators essential
- Simulation Phases provide necessary framework
- Debriefing is an essential step in the simulation phase
- Clinical simulation has the potential to be integrated into many professional practice programs



References

- National Health Education & Training in Simulation (NHET-SIM) Program 2013, Health Workforce Australia
- 'Recognising & Responding to the Deteriorating Patient' National Safety & Quality Health Service (NSQHS) Standard 9
- 'Report of Staff Satisfaction Survey of the Medical Emergency Team (MET) at Flinders Medical Centre' 2012
- 'Report of Medical Emergency Team (MET) members of the MET service at Flinders Medical Centre' 2012



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