

SCITT: Simulated Code Interdisciplinary Team Training

Perez, C., Noles, L.M., & Gavilanes, J.

Purpose

Our goal is to **train high performing teams** to avoid and manage hazardous errors within the framework of complex and dynamic crisis situations. The Code team at OHSU is an interdisciplinary team that includes an MD Leader, Anesthesiologist, Respiratory Therapist, and three ICU RNs (documentation, defibrillation, and drugs).



Background/Significance

Effective crisis resource management (CRM) within the interdisciplinary Code Blue response team is integral to OHSU's ongoing commitment to quality patient care. Errors in communication do occur and may adversely affect patient care. The literature consistently shows errors in management of in-hospital cardiopulmonary arrests (Seethala, RR et al. *Approaches to improving cardiac arrest resuscitation performance, Current Opinion in Critical Care, 16: 196-202, 2010*). In one Joint Commission study: *72% of errors were related to communication.*

Methods

Integration of *in-situ* interdisciplinary mock code "SCITT" sessions

- ◆ Duration: 1 hour; mock code/debrief/evaluation
- ◆ Frequency: 1 time/weekly
- ◆ Mandated by OHSU Hospital and Professional Board
- ◆ Mock Code Blue paged through operators
- ◆ Emphasis on CRM principals and ACLS protocols
- ◆ Everyone is included: If you carry a Code Blue pager, you *must* respond!
- ◆ In situ, locations vary



Results: FY 2010 SCITT Baseline Data

ACLS

- ◆ Correct medication ordered 43% of the time
- ◆ Appropriate oxygen flow ensured 57% of the time
- ◆ Correct pad placement verified 43% of the time
- ◆ Correct cardiac rhythm identified 72% of the time
- ◆ Recognized need for prompt defibrillation 72% of the time

CRM & Teamwork

- ◆ Directed communication was average or poor 80% of the time
- ◆ Transparent thinking was average or poor 80% of the time
- ◆ Closed loop communication was average or poor 80% of the time
- ◆ Overall communication rating was poor 60% of the time

Transforming Nursing Practice

- ◆ Required annual Code RN Training
- ◆ Required participation in SCITTs
- ◆ Role Development (3 Ds)
- ◆ Development of RN Code Recorder Role
- ◆ Implementation of red vests for RN Code responders



Next Steps

- ◆ 14 SCITT sessions for fiscal year (FY) 2010
- ◆ Weekly SCITT sessions for (FY) 2011 – currently collating data
- ◆ Continue weekly SCITTs (FY) 2012 – increase complexity based on actual case studies
- ◆ Research underway: "Does Training Translate to Improved Performance?"