



*Is your team **COMPETENT** and **CONFIDENT**
in managing
complex patient cases and adverse events?*



SIMSUITE[®]
MEDICAL SIMULATION CORPORATION

Complex Patient Management, Library One

According to the Institute of Medicine's (IOM) landmark report, "To Err Is Human" (1999), as many as 98,000 Americans die each year as a result of medical errors. Total national costs of preventable adverse events are estimated to be between \$17 billion and \$29 billion, of which healthcare costs represent over one-half. Many of these errors occur in part due to the inexperience of staff in treating complex patient cases, many of which are rare and very difficult to diagnose. The IOM recommends the use of simulation in establishing interdisciplinary team training programs.¹ The Institute for Healthcare Improvement (IHI) also recommends using simulation to practice management of adverse events in order to foster a culture of safety. "The technique is particularly helpful in preparing people for error-prone, high-risk, or unusual situations."²

Program Description

Library One of the SimSuite Complex Patient Management Program includes 10 simulation scenarios that allow participants to put evidence-based guidelines to practice. The scenarios are based on actual patient cases, with treatment recommendations that follow national guidelines and evidence-based treatment protocols, and are presented on a human patient simulator that provides the ability to highlight complications. Each scenario includes learning objectives, background information, the patient's initial exam and physiology, patient verbal responses to assessment questions, diagnostic data (such as x-rays and lab results), scenario branch points, and supplemental information as applicable.

10 Complex Clinical Scenarios are included:

- Abdominal Aortic Aneurysm (AAA)
- Abdominal Compartment Syndrome
- Acute Coronary Syndrome
- Acute Onset Atrial Fibrillation
- Symptomatic Bradycardia
- Cardiogenic Shock
- Chronic Obstructive Pulmonary Disease (COPD)
- Diabetic Ketoacidosis
- Pulmonary Edema
- Respiratory Distress with Underlying Pneumonia

Training Participants and Objectives

The goal of the SimSuite Complex Patient Management Program is to increase and reinforce the competence and confidence[®] of all healthcare team members who care for patients with a variety of complicated disease processes.

Participants may include emergency room staff, medical/surgical nurses, new and advanced practice ICU nurses, nurse practitioners, physician assistants, residents, and attending physicians.

Each scenario has specific learning objectives that incorporate:

- Patient assessment
- Diagnosis
- Condition management
- Airway/O₂ management
- Medication administration and management
- Adverse event management
- Diagnostic testing and interpretation

Benefits

- Documentation of staff competence and compliance
- Allows standardized trainee exposure to various clinical presentations
- Controlled environment where learners can make and learn from mistakes without consequences
- Opportunity for trainees to practice clinical skills at their own pace, repeating the scenario as needed to gain competence, confidence, and proficiency
- Fosters a culture of patient safety

Value

SimSuite's Complex Patient Management Program offers high-quality, turn-key patient care scenarios that represent valuable cost- and time-savings for your simulation and education centers. The average time to research, write, edit, and program a complex patient scenario is 40 hours. Considering an average national hourly rate of \$30 for a nurse educator, it would cost \$12,000 to develop a similar program.

MSC has done all of the work for you, and provides valuable guides and references for each scenario. MSC offers several options for delivery of the Complex Patient Management Program:

- Comprehensive training tool kit (includes detailed scenario overviews, instructor's guides, and Laerdal SimMan[®] Human Patient Simulator programming for each scenario)
- Train-the-Trainer events
- Full-service training events

References:

¹To Err is Human: Building a Safer Health System, Institute of Medicine. National Academy of Sciences (1999).

²Institute of Healthcare Improvement Web site, accessed March 6, 2009. www.ihl.org/IHI/Topics/PatientSafety/SafetyGeneral/Changes/IndividualChanges/Simulate+Possible+Adverse+Events.htm

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