

# Navigating the Learning & Simulation Center

## Guide to Simulations

The Learning & Simulation Center also offers:

**Innovative Solutions Providers\***  
**Research and Solutions Posters**  
**Receptions and Lunches**

Center hours:

Wednesday 4:30–6:30pm

Welcome Reception, Simulations,  
Exhibits, Posters

Thursday 12:00–1:30pm

Lunch, Simulations, Exhibits, Posters

Thursday 4:45–6:45 pm

Networking Reception, Simulations,  
Exhibits, Posters

Friday 11:45am–1:15pm

Lunch, Simulations, Exhibits, Posters

\*The NPSF Congress Program book provides a full listing of solutions providers and their booth locations in the Learning & Simulation Center.



*Support for the  
Learning & Simulation Center from:*

[www.npsf.org](http://www.npsf.org)



**Laerdal**  
helping save lives

## 2013 Simulation Program

### Using Simulation to Improve and Enhance Patient Safety

To illustrate the use of medical simulation as a patient safety tool, the National Patient Safety Foundation has created a series of simulated clinical settings in a fictional context called "Crescent City Regional Hospital." As you explore and interact at each station throughout the NPSF Learning & Simulation Center, consider how these experiences at Crescent City Regional Hospital can be applied to your own organization as you strive to provide safe care.

The 2013 Learning & Simulation Center includes two core patient episodes that transition through the continuum of care. Crescent City Regional Hospital is preparing for, responding to, and mitigating the effects of a severe weather system that has moved across the country and is impacting its ability to provide care in a normal manner.

Use this booklet as a navigation tool to guide you through Crescent City Regional Hospital's simulated clinical settings. Each simulation experience will provide a unique opportunity for demonstration and discussion of pertinent patient safety issues, especially during a disaster. The Center strives to enhance learning, create a standard of care, and implement patient safety principles. As you visit the simulation scenarios you will find that our demonstrations are designed to include active participation from all Congress attendees. Your involvement will be an integral part of the learning experience.

**Simulation Program Objectives:** The Learning & Simulation Center is intended to provide examples of how simulation-based training and education can be applied in an organization for a broad variety of training and learning situations. Through observation and participation, conference attendees will be able to:

- Apply effective learning and teaching methods in diverse health care settings
- Identify critical patient safety issues that may present during a disaster
- Demonstrate how simulation can help develop skills for enhancing teamwork and communication during a disaster
- Discuss the role of patient safety during a disaster
- Identify how simulation and time for debriefing provide important training opportunities for clinicians and staff
- Identify how simulation can be used to assess and improve systems of care

**Patient Safety Applications:** As you navigate through Crescent City Regional Hospital, you'll notice that all of the simulation scenarios demonstrate real-world patient safety solutions. The practical solutions you will take away will be applicable to the following:

- Communication
- System improvements
- Health care information technology
- Patient- and family-centered care
- Hand-off processes
- National regulatory compliance
- Disaster response and recovery techniques

## Breaking News!

### Storm Tracking Alert: Severe Thunderstorm Warning in Effect



Severe thunderstorms have swept through southeastern Louisiana, leaving thousands without power. The local infrastructure has been impacted due to the electrical storm's severe wind, rain, and hail. Crescent Regional Hospital has been affected by this storm and has switched to auxiliary power. Unfortunately the auxiliary power source will supply only some of the hospital's needs and the hospital has implemented a "code storm."

We invite you to visit the four simulation booths in the Learning & Simulation Center to observe and record your observations related to the **mitigation, preparedness, response, and recovery** during and after a severe weather event, and to identify how a variety of simulation methodologies can help prepare our institutions. Each booth will demonstrate a different aspect of the emergency response paradigm.

**MITIGATION** – Prevention of future emergencies or minimizing their effects

**PREPAREDNESS** – Preparing to handle an emergency

**RESPONSE** – Responding safely to an emergency

**RECOVERY** – Recovering from an emergency

Please complete the accompanying checklist and submit it at the NPSF booth in the Learning & Simulation Center to be entered into a drawing for one of the following prizes: two Congress 2014 registrations, two ASPPS memberships, and two Amazon gift cards. Drawing is at 1:00 pm on Friday; you must be present to win.

## CORE SIMULATION 1 MITIGATION and PREPAREDNESS

### “Oh, Baby!” A Room of Latent Errors in the Emergency Department during a Disaster Booth 311

Wednesday 5:00–5:30pm  
Thursday 12:00–12:30pm and 5:00–5:30pm  
Friday 11:45am–12:15pm

A woman in active labor presents to the Emergency Department when suddenly – **disaster strikes!** The challenges faced by the patient care team could not possibly have been predicted, nor prevented . . . or could they? How many latent errors regarding the equipment, the staff’s interpersonal and communication skills, the staff’s response to the disaster, and overall patient care provided during this scenario can you find? Observe this high-fidelity simulation and assess the situation for yourself.

#### Learning Objectives

Upon completion of this medical simulation session, participants will be able to:

- Describe how medical simulations may be used to expose potential and actual latent threats to patient safety
- Identify problems, near misses, and human factor–associated errors and threats to patient safety that may occur with patient care during a disaster

## TRANSITION SIMULATION 1 RESPONSE and RECOVERY

### Disclosure after an Event: Communication with Patient and Family Following a Severe Weather Event Booth 513

Wednesday 6:00–6:30pm  
Thursday 1:00–1:30pm and 6:00–6:30pm  
Friday 12:45–1:15pm

Following the weather event, the patient meets with the hospital Patient Safety Officer to discuss her recent medical events during the storm and power outage. The mother experienced an adverse event, and her newborn baby had a delay in care due

to the power outage. She is accompanied by her husband, who says that he was not properly communicated with during the event and felt helpless and frustrated. The patient safety officer will use effective and noneffective communication techniques while interacting with the patient and her husband. Observers are encouraged to identify appropriate and helpful communication strategies and techniques during a disclosure.

#### Learning Objectives

Upon completion of this medical simulation session, participants will be able to:

- State the rationale for openness when harm occurs
- Identify steps to take before, during, and after an adverse event or outcome
- Practice disclosure skills
- Describe medical center resources available when harm occurs
- Identify and discuss patient and family communication techniques

#### Facilitators:

**Jared Kutzin, DNP, MPH, RN, CPPS**, Director, Simulation Center, Winthrop University Hospital; Staff Nurse, Englewood Hospital and Medical Center

**Michael Cassara, DO, FACEP**, Associate Program Director, Residency in Emergency Medicine, North Shore University Hospital; Associate Medical Director, North Shore-LIJ Health System Patient Safety Institute; Assistant Professor of Emergency Medicine, Hofstra North Shore-LIJ School of Medicine

**Connie M. Lopez, MSN, CNS, RNC-OB, CPHRM**, National Leader, Simulation-Based Education and Training, National Risk Management and Patient Safety, Kaiser Permanente Program Offices

**Robert Rupert, Jr.**, Laerdal Medical Corp.

**Stephanie N. Sudikoff, MD**, Director of Simulation, Yale-New Haven Health System; Associate Clinical Professor of Pediatrics, Pediatric Critical Care, Yale School of Medicine

#### Supplies and equipment for these simulations have been provided by:

B-Line Medical	Hospira	Laerdal
Covidien	Hospital Systems Inc.	Stryker Medical

## CORE SIMULATION 2 PREPAREDNESS and RESPONSE

### Teamwork and Communication: Operating Room Evacuation during a Disaster Booth 623

Wednesday 5:30–6:00pm  
Thursday 12:30–1:00pm and 5:30–6:00pm  
Friday 12:15–12:45pm

This simulation depicts the emergent circumstances associated with a widespread power failure that ultimately requires that a patient who is in the final stages of an operative event be prepared for evacuation. This simulation event will place an emphasis on the importance of communication, patient tracking, and teamwork, all of which are crucial to supporting a safe patient transfer. Come observe or assist the team as they prepare to evacuate the patient.

#### Learning Objectives

Upon completion of this medical simulation session, participants will be able to:

- Identify how patient safety priorities continue even during a disaster, including hand hygiene, patient identification, and patient tracking
- Demonstrate how simulation can be used to prepare for response to a disaster
- Demonstrate how effective teamwork and communication strategies can support a safe evacuation

## TRANSITION SIMULATION 2 PREPAREDNESS and RESPONSE

### Navigating the Stairs during a Disaster Booth 121

Runs continuously

After being stabilized in the Operating Room, the patient is prepared for transport down a flight of stairs. The care of the patient will be handed over to the transport team, and the team will work together to safely bring the patient down the stairs. Observers are invited to identify important communication and teamwork techniques.

Observers are also invited to actively participate in the scenario by practicing effective transportation down the stairs. This scenario will run continually when the Learning & Simulation Center is open in order to provide Congress attendees the opportunity to practice using the Med Sled.

#### Learning Objectives

Upon completion of this medical simulation session, participants will be able to:

- Demonstrate a method of removing patients from a hospital when power outages affect the elevators
- Discuss the importance of doing drills that incorporate practicing the use of emergency equipment
- Demonstrate communication and teamwork techniques

#### Facilitators:

**Jared Kutzin, DNP, MPH, RN, CPPS**, Director, Simulation Center, Winthrop University Hospital; Staff Nurse, Englewood Hospital and Medical Center

**Will Asbell**, Med Sled Evacuation Device Assessment, Implementation, Deployment and Training Specialists, Regional Manager – West, Med Sled Evacuation / ARC Products LLC

**Alexis Battista, EMT-P, MBA**, Research Fellow, SITEL, MedStar Health

**Ann Mullen, BSN, CHSE**, Program Manager, Shipley Medical Simulation Center, Newton-Wellesley Hospital

**Mark Rieke**, Med Sled Evacuation Device Assessment, Implementation, Deployment and Training Specialists, Regional Manager – Upper Midwest, Med Sled Evacuation / ARC Products LLC

**Eric M. Singdahlsen**, Surgical Research Assistant, Henry M. Jackson Foundation, National Capital Area Medical Simulation Center, Uniformed Services University

**Bob Stolz**, Med Sled Evacuation Device Assessment, Implementation, Deployment and Training Specialists, Regional Manager – Southwest, Med Sled Evacuation / ARC Products LLC

#### Supplies and equipment for these simulations have been provided by:

Covidien	Med Sled Evacuation / ARC Products LLC
Hospira	Stryker Medical
Laerdal	StuDiocode Business Group

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*NPSF extends its sincere thanks to the many individuals and organizations that have devoted their time and expertise to the design and development of this innovative simulation program, which would not have been possible without their insight, knowledge, and unwavering commitment to patient safety.*

# Learning & Simulation Center

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## Simulation Times

### Core Simulation 1: "Oh, Baby!"

**Booth 311**

Wednesday

5:00–5:30pm

Thursday

12:00–12:30pm and 5:00–5:30pm

Friday

11:45am–12:15pm

### Transition Simulation 1: Communication with Patient and Family

**Booth 513**

Wednesday

6:00–6:30pm

Thursday

1:00–1:30pm and 6:00–6:30pm

Friday

12:45–1:15pm

### Core Simulation 2: Operating Room Evacuation

**Booth 623**

Wednesday

5:30–6:00pm

Thursday

12:30–1:00pm and 5:30–6:00pm

Friday

12:15–12:45pm

### Transition Simulation 2: Navigating Stairs during a Disaster

**Booth 121**

Continuous

