

**Session Title:**

**Using Simulation to Keep Your Team Sharp**

**Session Number:**

**H2019**

**Faculty:**

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**Disclosure:** In the past 12 months the speakers listed below have had the following financial relationships with manufacturers of commercial products and/or providers of commercial services:

**Louis Halamek:** Consultant, Laerdal Medical and Advanced Medical Simulation; Grant Recipient, Laerdal Foundation

# Simulation: A Primer

- λ **Step 1: Determine who needs to learn/practice what.**
  - λ **identify the learners**
  - λ **establish learning objectives**
    - λ **cognitive**
    - λ **technical**
    - λ **behavioral**

# Simulation: A Primer

- λ **Step 2: Determine how the learning objectives will be achieved.**
  - λ **actively participate in realistic scenarios**
  - λ **provide key cues**
    - λ **visual, auditory, tactile**
  - λ **record with videotape**
  - λ **follow with constructive debriefing**

# Simulation: A Primer

- λ **Step 3: Prepare instructors.**
  - λ **should facilitate, not dominate**
    - λ **debriefing:scenario = 3:1**
    - λ **question:statement = 3:1**
  - λ **keep it focused, positive**
  - λ **avoid hindsight bias, personal anecdotes**

# Simulation: A Primer

- λ **Step 4: Prepare trainees.**
  - λ **Suspend disbelief.**
  - λ **Think out loud.**
  - λ **Do it!**
  - λ **Debrief constructively.**
  - λ **Maintain confidentiality.**

***Great learning opportunities  
can be created with  
inexpensive tools...***

# Simulation: A Primer

- λ **Step 5: Secure AV gear.**
  - λ **10/22/07: \$685.96 @ Best Buy**
    - λ **digital video camera: \$299.99**
    - λ **19 inch LCD TV: \$319.99**
    - λ **tripod: \$29.99**
    - λ **6 tapes: \$35.99**
    - λ **2 power cords, 1 connecting cable**

# Simulation: A Primer

- λ **Step 6: Secure a patient simulator.**
  - λ **Simulators vary greatly in capability and cost.**
  - λ **Simpler simulators are usually less expensive, easier to run, more rugged, and therefore used more frequently.**

# Simulation: A Primer

$\lambda$  Step 7: Get started.