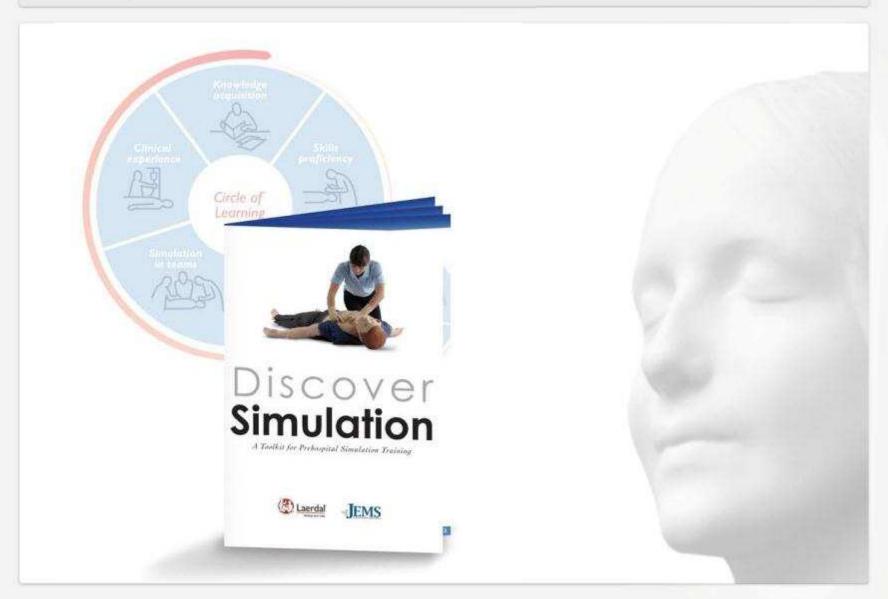


Discover Simulation







- Overview of Discover Simulation Toolkit
- Needs Assessment / Implementation
- Knowledge/Skill Acquisition
- Simulation in Teams
- Debriefing
- Close the Performance Gap









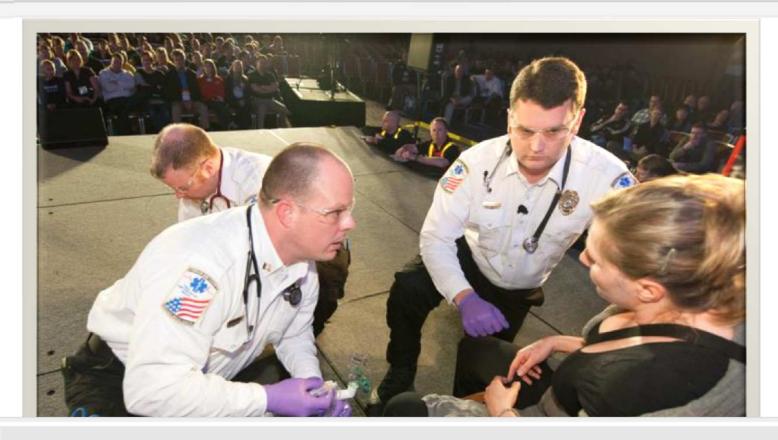




Laerdal and JEMS provide comprehensive approach to teaching using blended learning methodology





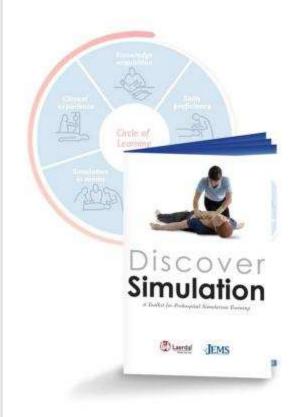


Goal: Help make simulation training easy





Turn-key education system...

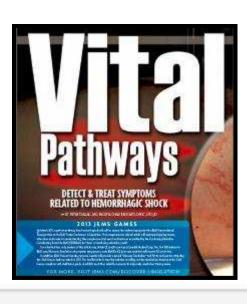


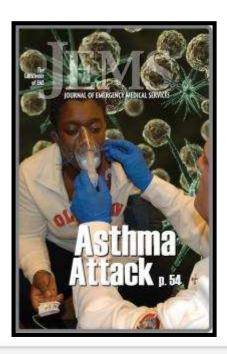






Includes articles and matching scenarios

















Instructor Self-Efficacy Questionnaire

Self-efficacy is the belief in one's own abilities to organize and execute the actions required to manage prospective situations.

1	2	3	4	5
I cannot perform thistask. I do not have the knowledge or skills to perform the task.	I am learning to perform this task but could not actually do so without supervision or assistance.	I learned how to perform this task but I do not feel comfortable performing the task without supervision or assistance.	I can usually perform thistask without supervision or assistance. I may refer the directions or another aid if I forget something.	I can perform this task without supervision or assistance. I can assist others.

1. I can perform a Learning and Performance Needs Assessment.

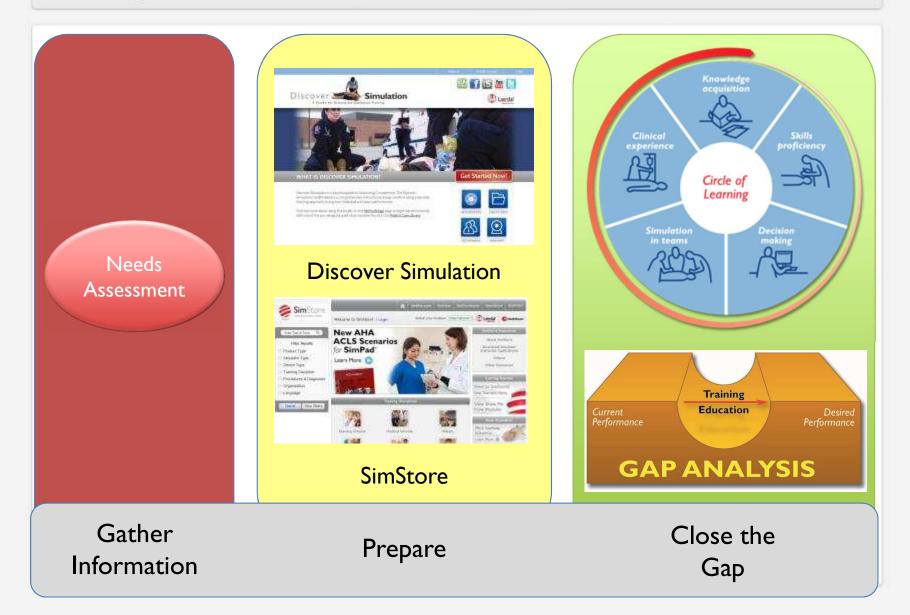
Pre-course	1	2	3	4	5
Post-course	1	2	3	4	5

2 I can describe the deliberate practice model.

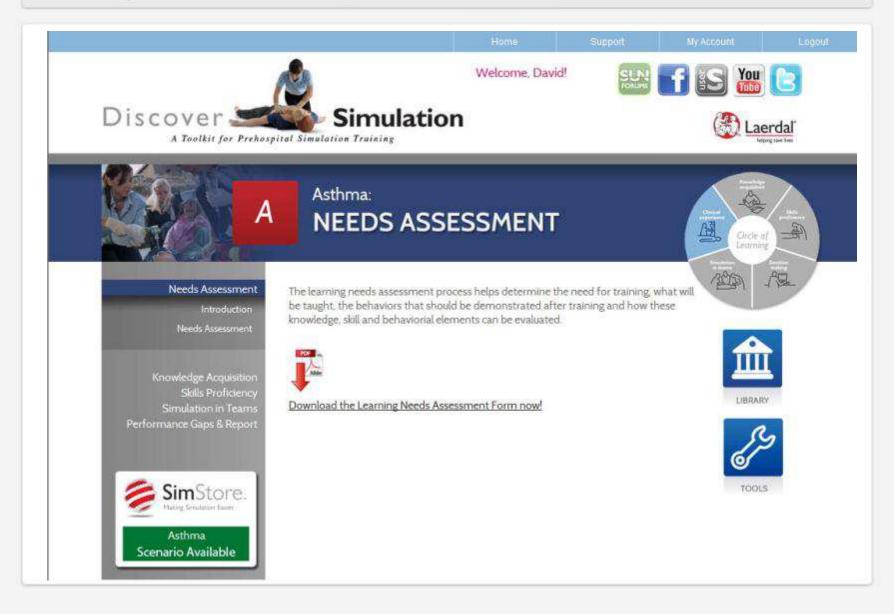
Pre-course	1	2	3	4	5
Post-course	1	2	3	4	5



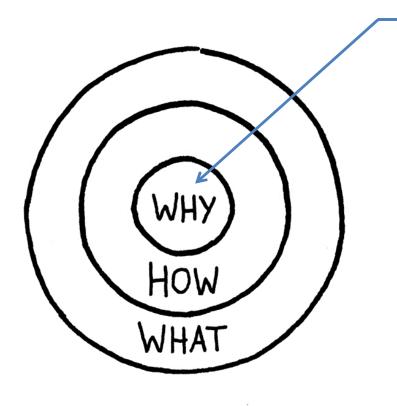
Phases of Sim-Based Learning







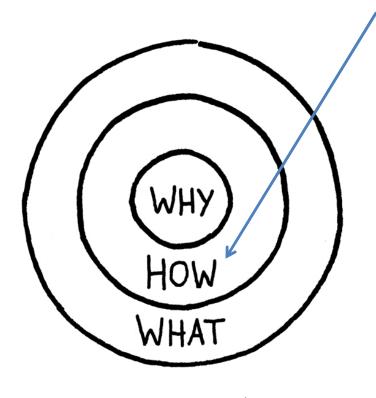




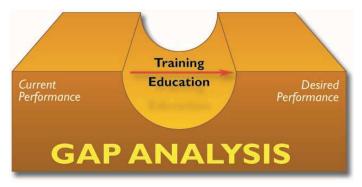
- When performance expectations change
- When quality is questioned
- When assessing individual and/or team competency
- When new employees are being on-boarded

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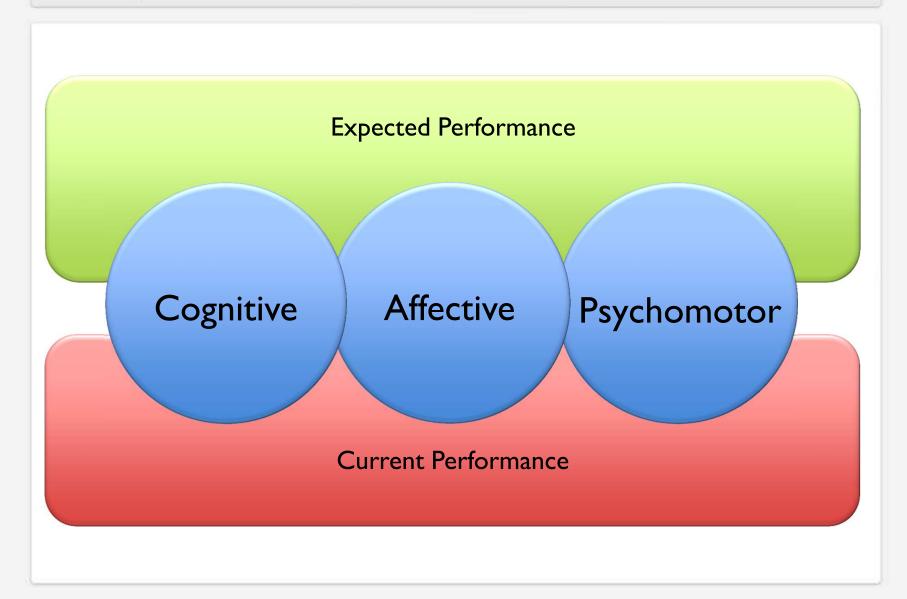


- Identify target audience
- Determine expectations for performance
- Identify current practices
- Evaluate if current practices meet accepted standards and expectations



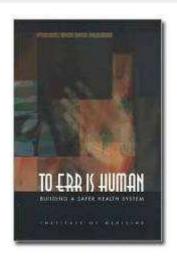
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Assess Needs - Why Use Simulation?



Reduce Human Error



Practice in Controlled Environment



Assess Systems



On-Demand
Access to Patients



Increase Skill Development



Regulatory Requirements



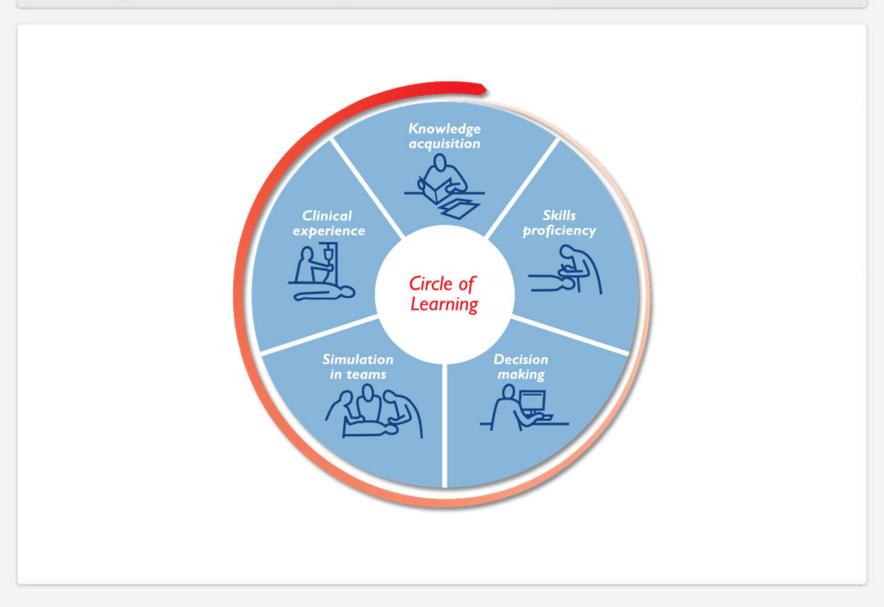
Assess Needs

Review and discuss case study – select group spokesperson





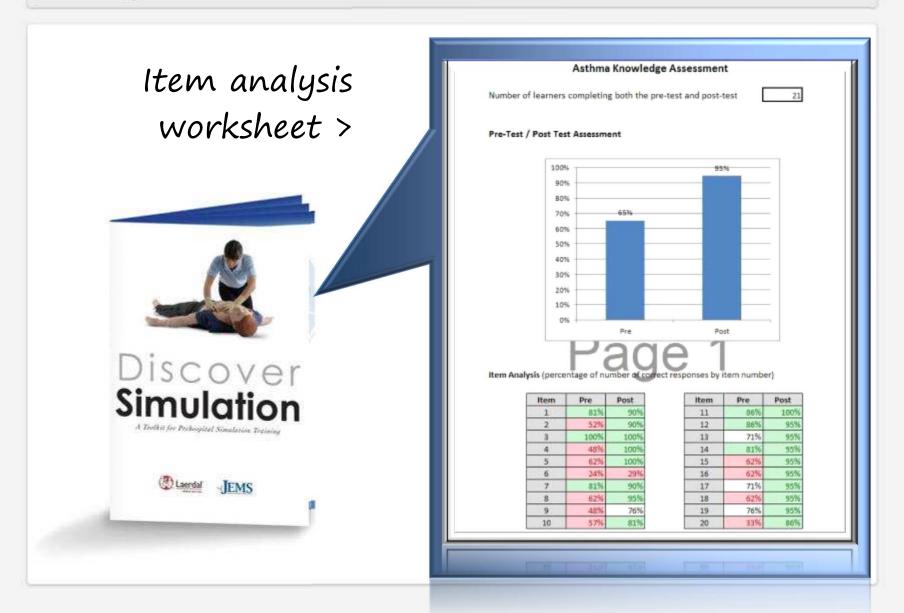
Knowledge Acquisition













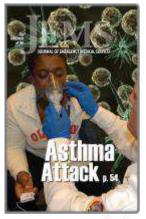
Knowledge Acquisition

Discuss how data from the pre-test and post-test may be used to improve the quality of training.





Knowledge Acquisition





Asthma Article Facilitation Guide

Introduction – Facilitating a discussion about the Asthma article allows learners to ask questions about the practical application of the information in the article. Guided dialogue also allows for groups to discuss pre-existing knowledge or challenge assumptions about current assessment techniques, other skills, or treatment choices.

Involving multiple levels of learners in this discussion also promotes mentor-learner relationships, encourages open communication about what may be unclear or inconsistent information, and promotes a culture of competency at all levels, despite differences in years of experience that may exist among those involved.

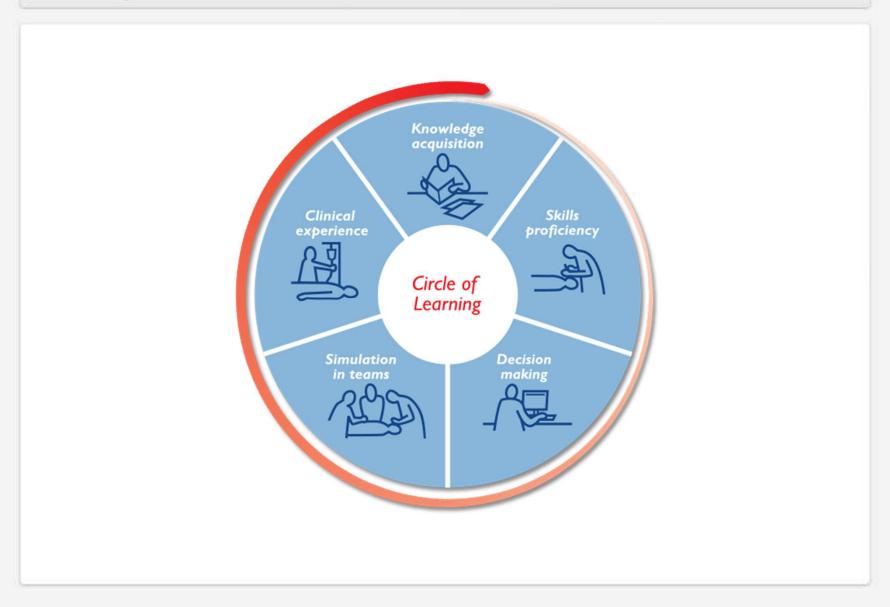
Directions:

1. Download the article from www.laerdal.com/discoversimulation

REMEMBER: Reflection, combined with feedback, enhances performance.



Skills Proficiency





Skills Proficiency

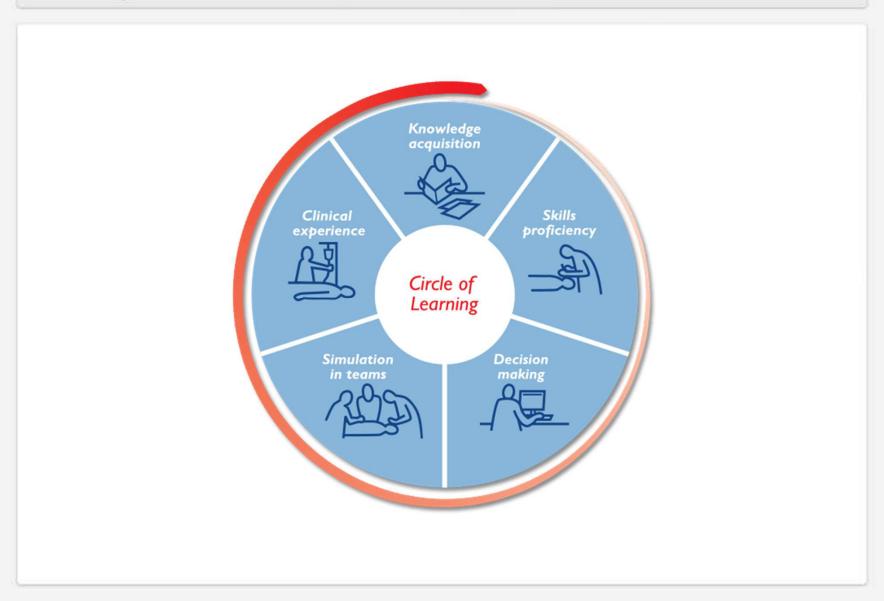
Discuss the availability of relevant skills checklists

Discuss the importance of validity and reliability

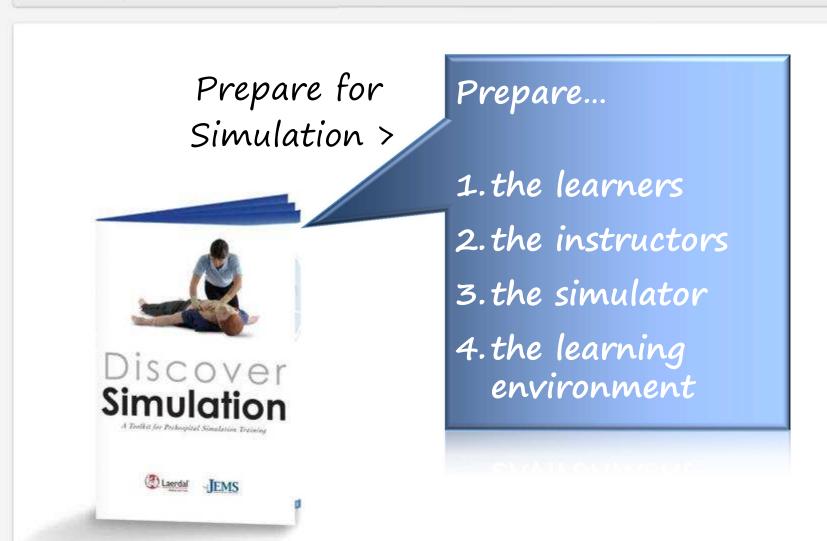




Simulation in Teams



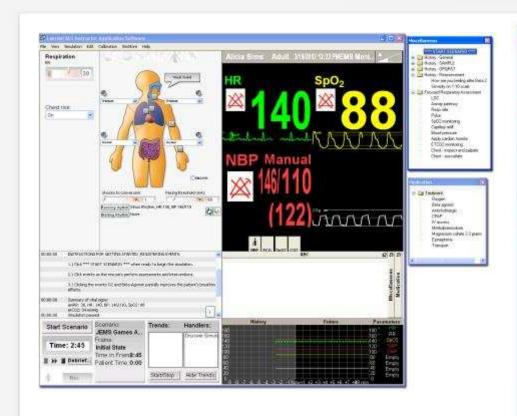


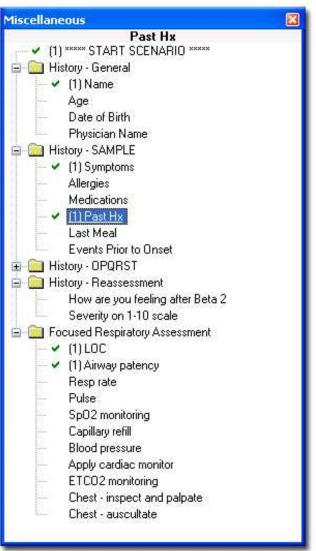






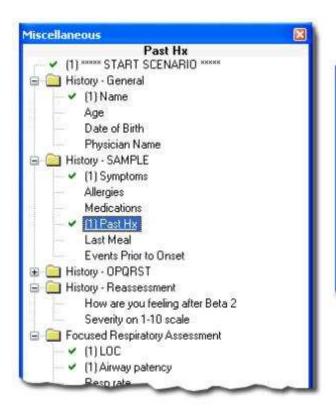








- 1. Watch learner's performance
- 2. Click events

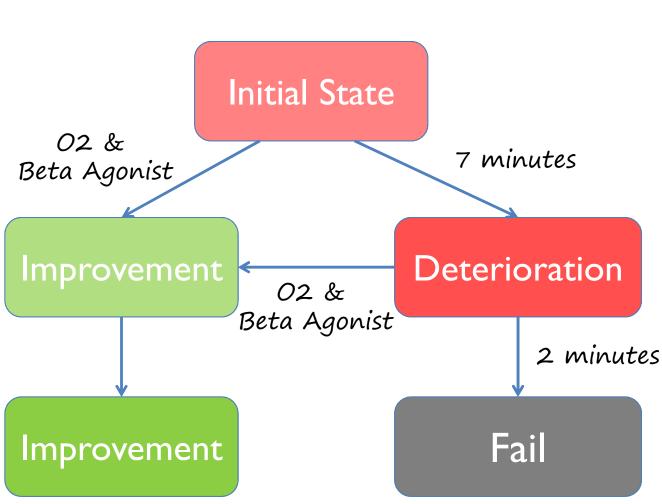


3. Performance is registered in the debriefing log

	Patient will deteriorate over 7 minutes unless O2 and Beta-Agonist are administered.	^
00:00:05	Trend started: Initial deterioration	
00:00:13	Name	
00:00:13	"My nameisAlicia."	
00:00:13	Respiration rate = 38	
00:00:16	LOC	
00:00:18	Airway patency	
00:00:22	Symptoms	
00:00:22	"Ican'tbreath!"	
00:00:27	Past Hx	
00:00:27	"I haveasthma."	٧











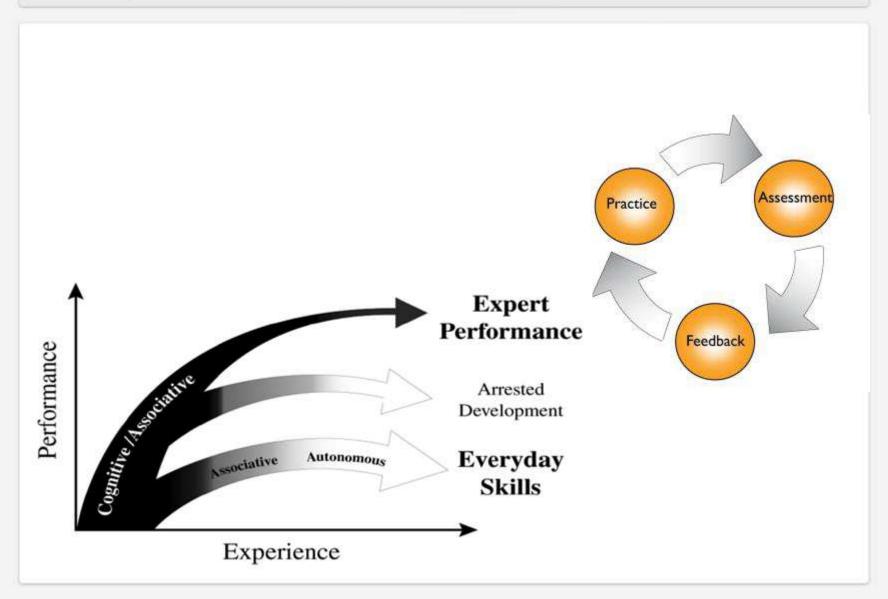
Debriefing can make or break a simulation session



LUNCH 1200 - 1245



The Role of Deliberate Practice





CONCEPTS AND COMMENTARY

There's No Such Thing as "Nonjudgmental" Debriefing: A Theory and Method for Debriefing with Good Judgment

Jeany W. Rudolph, PhD, Bobert Simon, EdD, Ronald L. Defresse, MS, and Daniel B. Raemer, PhD

We report as our experience with an approach to detrieting that emphasizes disclosing instructors' judgments and electing indirect' assumption about the attantion and their reasons for aciting at their did. To highlight the importance of tentractors discholing their judgment skillfully, we call the approach "debriefing with good todament." The approach draws on theory and empirical findings tion a 15-year research program is the behavioral sciences on to w to improve professional effectiveness through "reflective practice." This approach specifies a rigorous self-reflection process that beign ees recognize and mooble prensing clinical and behavioral diseases nised by the simulation and the independ of the matter. tor. The "Setricting with good palgasens" approach in comprised of three elements. The first element is a conceptual model drawn from country science. It ofposition that the trainers' "Figures"-compriced of ruch things as knowledge, assumptions, and feelingsdrive their actions. The artisms, in turn, produce chalcul results in a Apetario. For uncovering the trainer's internal frame, the instructor our help the learner reframe internal arrangitions and freilings and take action to arbieve better nemits in the finane. The second cleaned is a state of generator carbonity about the trainer's finance. Presuming that the trainer's actions are in inevisible result of their framer, the instructor's job is that it' a "bountitive detective" who tries to discover, through inquity, what those frames are. The inviscour establishes a "reason of currously" is whate the trainers? microices are parries to be solved rather thus simply erronesses. Finally, the approach includes a conversational technique designed. to bring the Judgment of the Instructor and the frames of the Indian to light. The technique paits advocary and mastry. Advocacy is a type of speech first includes an objective observation about and subjective judgment of the transcer' actions, Inquity

From the Committee Medical Semulation of W.R., R.S., R.L.D. D.B.R.;
Cartindge, Manuschauster, and Harverd Medical School (R.S., D.S.R.);
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D.S.R.; the School of Pethyl Hadds, Starter University, Moren, Manuschauster, and the Garrell School of Wanaparaser, Bossen Calego,
R.L.D.; Strong, Manuschauster, Department of Versoner, Michael Medical Care, Manuschauster, and Care Care, Manuschauster, Department of Versoner, Michael Medical Care, Manuschauster, Department of Versoner, Michael Medical Care, Manuschauster, Department of Versoner, Michael Medical Care, Manuschauster, Manuschauste

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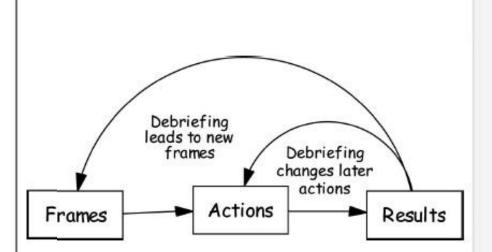
Simulation in Healthcare - Volume 1, Nember 1, Spring 2006

in a precisely curious question that attempts to illuminate the gainer's frame in relation to the action described in the notingous's adversey. We find that the approach helps instruction manage the apprex tension between sharing cittical, evaluative judgments while maintaining a truckly relationship with iminors.

(Stend Healthoare 2000.1: 49-55)

Sharing critical judgments is an essential part of learning in Simulation and debriefing, hostsuctors often avoid giving voice to critical thoughts and feelings because they do not want to appear confrontational and they worry that criticism might lead to hun feelings or defensiveness on the part of the trainee. Voicing critical judgment poses a different for many instruction: "How can I deliver a critical message and share my expenise while avoiding negative emotions, preserving tocial 'face' and maintaining my relationship with the trainer." This paper offers an approach to debriefing that addresses this dilessena.

The existing debriefing literature" # provides little guidance on how to create an environment in which trainers feel simultaneously challenged and psychologically safe²⁰ enough to engage in eigerous reflection. By "rigorous reflection," we mean a process that brings to the surface and helps resolve the clinical and behavioral dilemmas and areas of confusion mased by the situalation experience. Drawing on a 35-year eneurch program on suproving professional effectiveness in the business world through "reflective practice," 11-37 this article articulates a model of debrioting for medical nimulation exercises. The research program from which we adapted our appreach has studied and helped thousands of practicing business executives and managers improve their personal and interpersonal effectiveness through the discipline of reflective practice. "Reflective practice" is a term comed by the late MIT professor Donald Schon to describe the discipline of examining the values, assumptions, and knowledge-base that drives one's ewn professional practice lies reference [2] The debriefing model has three primary compensers: The first component is a conceptual model, drawn from research in cognitive science and on reflective practice, that guides the instructor on how to illuminate the mental models that were rations in guiding trainers' actions during the simulation. The second is an underlying debriefing "stance" that unites the apparently contradictory values of curionity about and respect for the trainee and the value of clear evaluative informers about trainer performance. The third component is a way of



You can see actions, but never frames

Rudolph J, et al. There's no such thing as "nonjudgmental" debriefing" A theory and method for debriefing with good judgment. Simul Healthcare 2006;1: 49-55



Advocacy

- My perspective
- Use first person
- Make perspective clear
- I observed ______
- I'm concerned / pleased because

Inquiry

- Short, open ended questions
- "I wonder what happened..."
- I'm curious how you see it?"



Beginning – Reactions Phase

Allow participants to express their initial reactions (emotion OK)

Discusses facts as necessary to eliminate confusion

Avoid ridiculing or shifting right to analysis

Middle - Analysis Phase

Ask questions that prompt the learner to discuss and reflect

Listen with genuine curiosity – seek to understand their "frames"

Avoid telling the participants what to do without getting them to reflect first

End – Summary Phase

Ask participants to summarize what they learned "what went well?"

"Given a similar situation, what would you do differently?"



Evaluate the Program

Level I

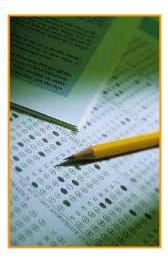


Level III

Level IV



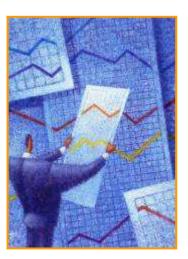
Reaction



Learning



Behavior



Outcome / ROI Return on Expectations

Kirkpatrick, D.L., Evaluating Training Programs: The Four Levels. San Francisco, CA: Berret-Koehler Publishers, 1998.



Implementation

Next Actions

- I. Register for free scenario
- 2. Join the Discover Simulation forum



www.laerdal.com/discoversimulation