

模拟案例自动化

Automatic Scenarios of Simulation-Based Medical/Nursing Education (SBM/NE)

—— **技术**提升模拟

Technology Enhanced Simulation

吴阶平医学基金会模拟医学部护理学专家委员会

——护理模拟教学师资培训网络论坛

2020-08-19

挪度中国

主讲：任增福

Simon Ren

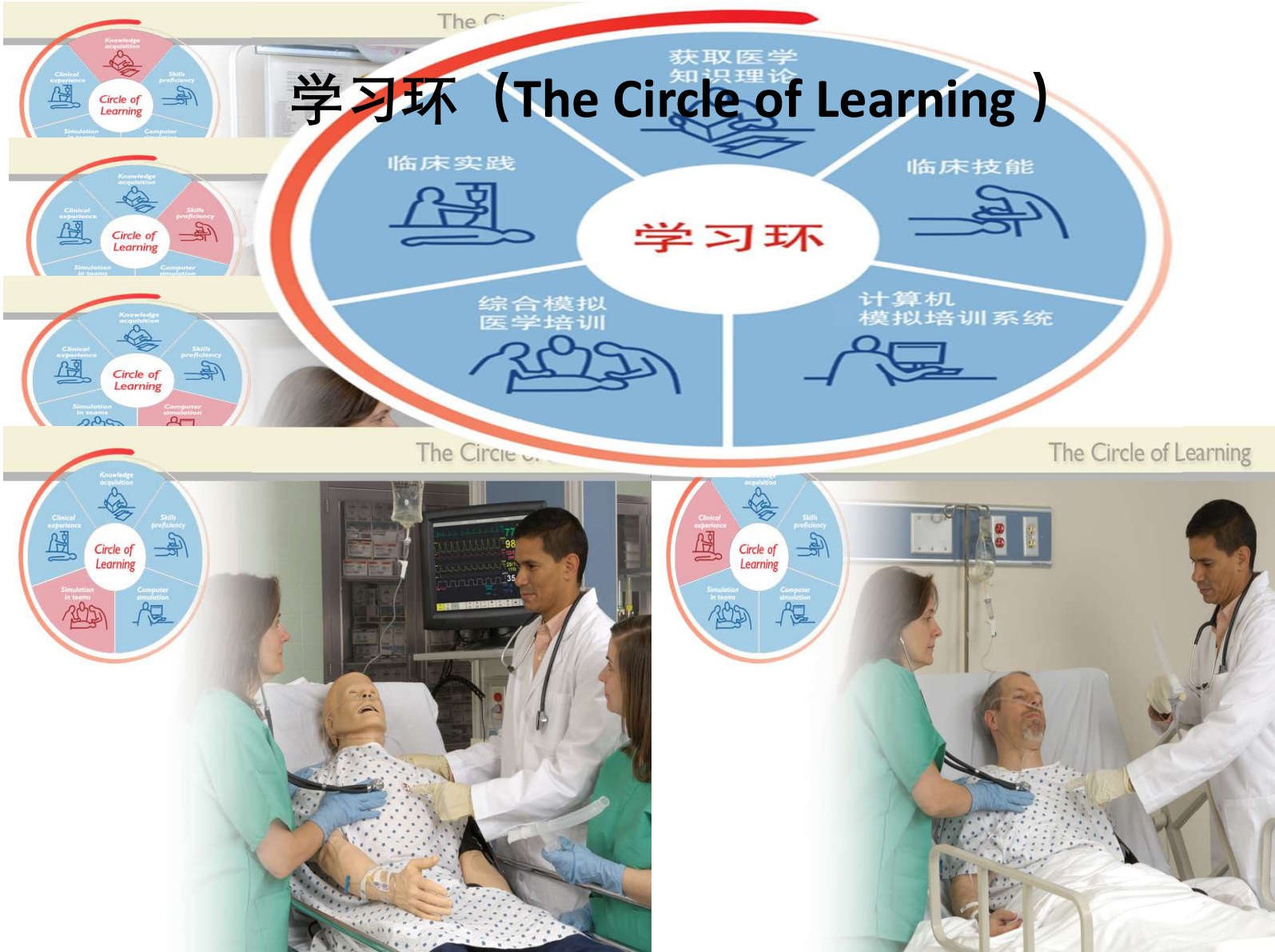
simon.ren@laerdal.com

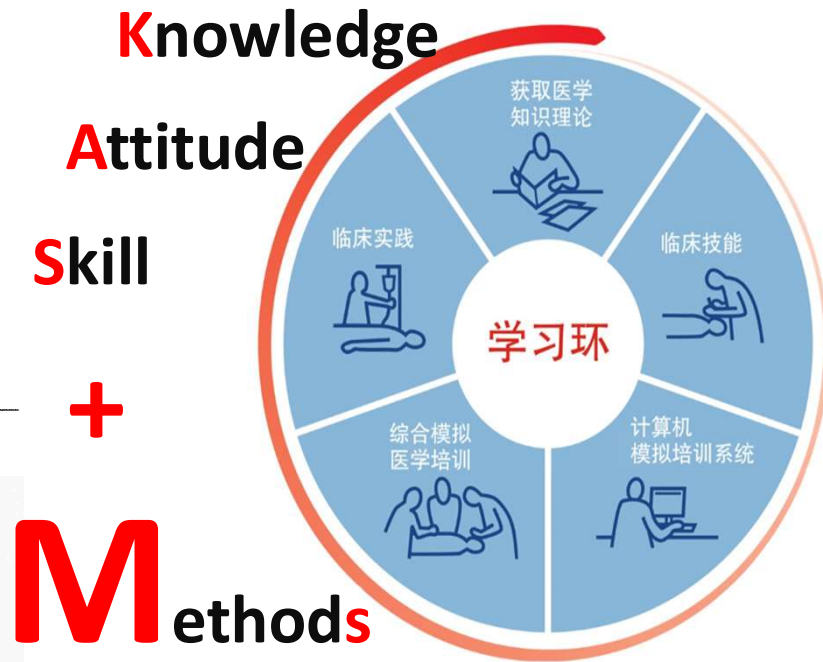


Laerdal

helping save lives

学习环 (The Circle of Learning)





Methods

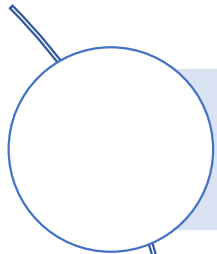
BUT



There is **NO** 'one size fits all' in clinical training

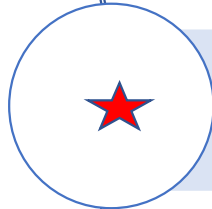
Simulation?

课堂收益:



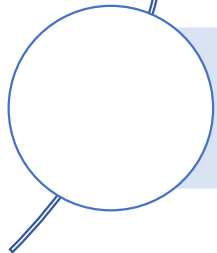
一、模拟的概念及医学模拟教学分类

Simulation Definition and **Simulation-Based Medical/Nursing Education (SBM/NE)** Classification



二、模拟案例在病例编辑器 (**SimDesigner**) 中转化

The simulation case is transformed in the SimDesigner



三、医学模拟教学——专业化时刻之**教学工具精通熟练**

SBM/NE ---Professionalizing Moment Mastery control of own technology



一、模拟的概念及医学模拟教学分类

Simulation Definition and Simulation-Based Medical/Nursing Education (SBM/NE) Classification

——模拟的概念

Simulation Definition

模拟的概念

Simulation Definition

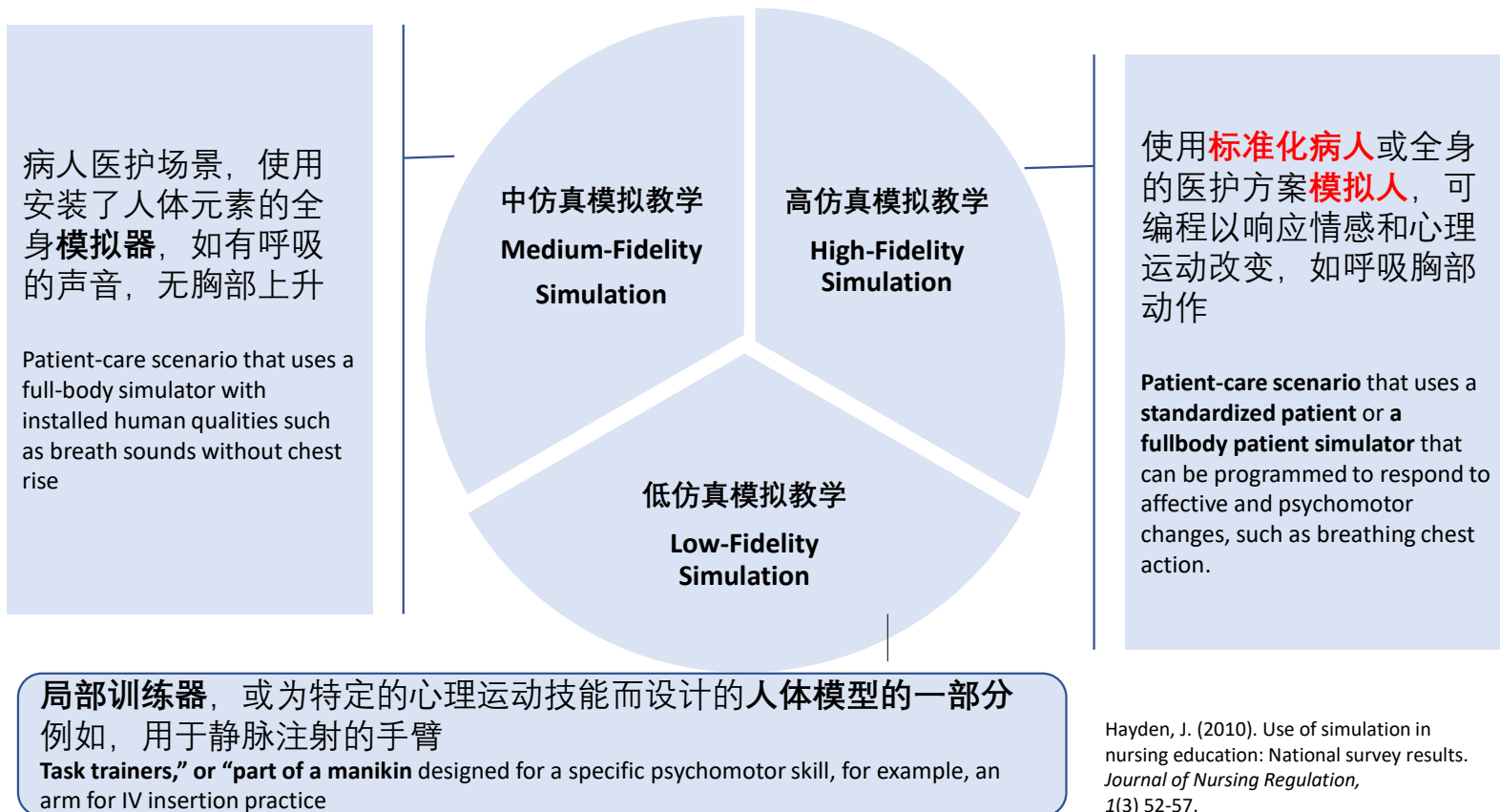
- **创建一种情境或环境，让人们体验真实事件的技术，目的是实践、学习、评估、检验或了解人体系统或行为**
A technique that creates a situation or environment to allow persons to experience a representation of a real event for the purpose of practice, learning, evaluation, testing, or to gain understanding of systems or human actions.
- **一种创建或复制各种条件以模拟现实生活中可能发生的情况。这种模拟可以是一种或者多种模式，便于促进和加强学员的学习表现 (Gaba, 2004)**
A strategy in which a particular set of conditions are created or replicated to resemble authentic situations that are possible in real life. Simulation can incorporate one or more modalities to promote, improve, or validate a participant's performance. (Gaba,2004).
- **一种取代或增强真实体验的教学技术，它可以通过完全交互方式，唤起或再现真实临床场景 (Gaba, 2004)**
An educational technique that replaces or amplifies real experiences with guided experiences that evoke or replicate substantial aspects of the real world in a fully interactive manner (Gaba, 2004).
- **利用一种或多种形式促进、提高或验证学员从新手到专家的教学方法 (INACSL, 2013)**
A pedagogy using one or more typologies to promote, improve, or validate a participant's progression from novice to expert. (Meakim et al., 2013).
- **将模拟器应用于培训和/或评价 (SSH)**
The application of a simulator to training and/or assessment. (Society for Simulation in Healthcare).
- **随着时间推移实现模型的一种方法**
A method for implementing a model over time.

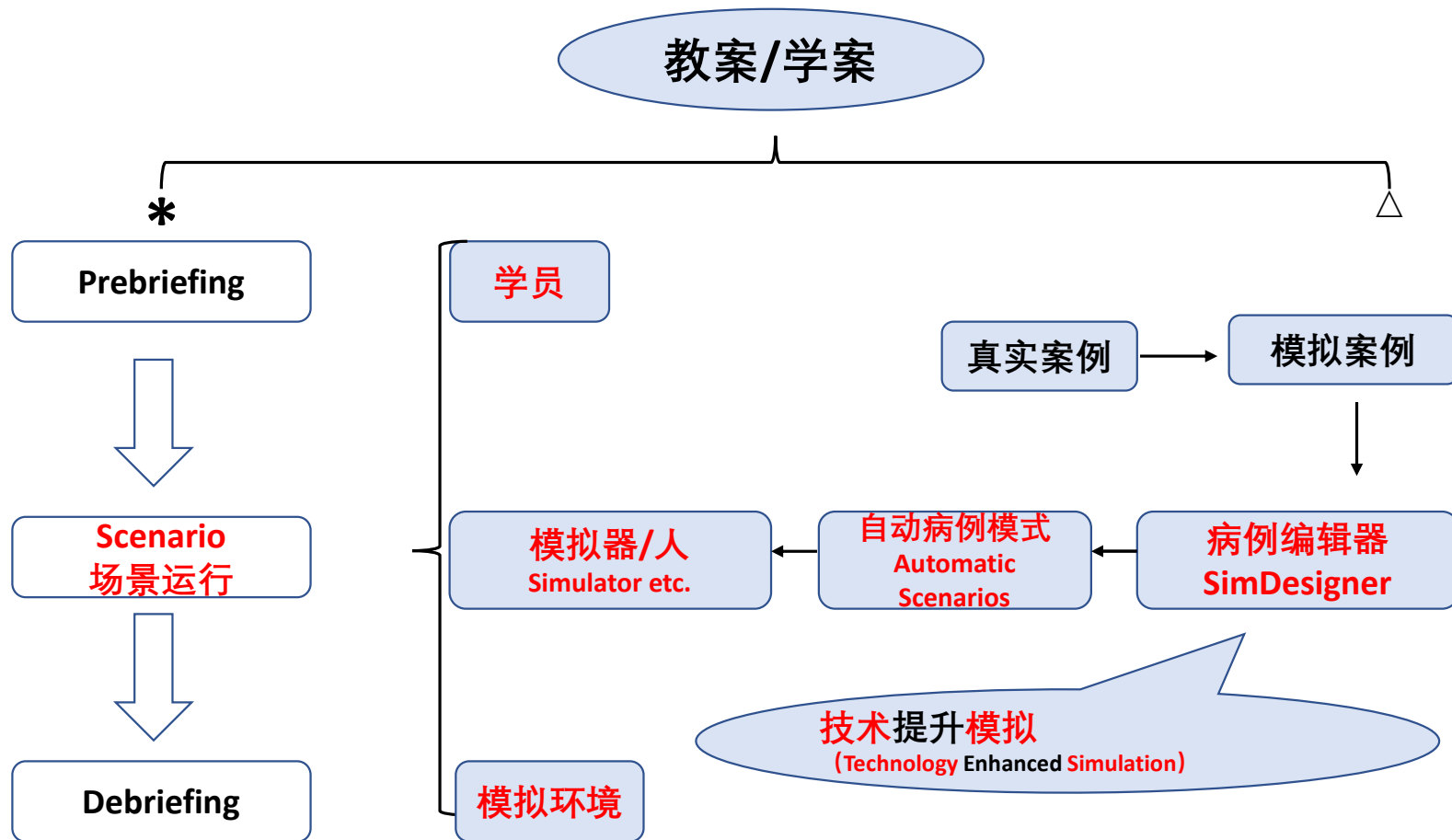
一、模拟的概念及医学模拟教学分类

Simulation Definition and Simulation-Based Medical/Nursing Education (SBM/NE) Classification

——医学模拟教学分类

SBM/NE Classification





* The International Nursing Association for Clinical Simulation and Learning, INACSL (2011)

△ Grote G, Zala-Mezo E, Grommes P (2004) The effects of different forms of coordination in coping with workload. In: *Group Interaction in High Risk Environments* (R Dietrich, and TM Childress, eds. Aldershot: Ashgate, 39–55.

二、模拟案例在病例编辑器 (SimDesigner) 中转化

The simulation case is transformed in the SimDesigner



Laerdal Simulation Home

Simon Ren   

Simulate





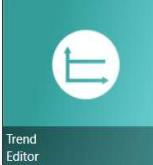

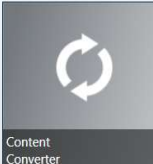


LEAP
Laerdal Learning
Application

LLEAP - Instructor Application

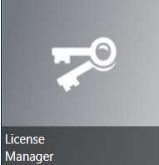

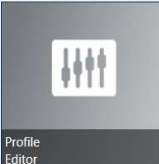


-  Patient Monitor
-  Defibrillator Monitor
-  EFM
-  AED

-  Help
-  Updates available!

Record & Design

-  Recent files:
冠心病-急性心梗-AMI
冠心病-急性心梗
Coronary Artery Disease - Acute Myocardial I...
-  SimDesigner
-  Trend Editor
-  Session Viewer
-  Content Converter
-  Sound recorder
-  Common Learner Events Editor

Setup

-  License Manager
-  Simulator Firmware & Network Wizard
-  Profile Editor
-  Folder Path Editor
-  Network Selector



三、医学模拟教学——专业化时刻之**教学工具精通熟练**

SBM/NE--Professionalizing Moment Mastery control of own technology

教育和课程改革的创新方法表明，**增加模拟**的使用可以**增加知识、信心和实践技能**，而不危及病人/医疗安全

Innovative approaches to education and curricular transformation suggest that an increased use of simulation can lead to increased knowledge, confidence, and practice skills without jeopardizing patient/health care safety.

"从被认为是**教学的工具**到作为**教育者参与其中掌握自己的技术和方法**来进行教学这是一个**重要的专业化时刻**" *

"The shift from being thought of as a **tool for teaching** about, to being engaged **as educators who have control of their own technology**, and **methodology** in order to teach with is an important **professionalizing moment**"*

病例编辑器不仅是一个工具，更是一种技术，甚至方法！

SimDesigner not only a tool, but also a technology! Even methodology.

* McNaughton, N. L., & Hodges, B. (2014). Simulated patient methodology and the discourses of health professional education. In Nestel, D., & Bearman, M. (Eds.), Simulated patient methodology: Theory, evidence and practice. West Sussex, UK: John Wiley & Sons, Ltd. (pp. 53-60).

Warren, J. N., Luctkar-Flude, M., Godfrey, C., & Lukewich, J. (2016). A systematic review of the effectiveness of simulation-based education on satisfaction and learning outcomes in nurse practitioner programs. Nurse Education Today, 46, 99-108.

THANKS!



Tel/WeChat: 13533706712
E-mail: simon.ren@laerdal.com



挪度中国
Laerdal Medical China

QUESTION?

