Healthcare Simulation & The Technology That Supports It

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Agenda

Meet the Presenter
What is Healthcare Simulation?
Why is it a good thing?
What types of Technology are involved?
What are the challenges?
Meet the Presenter

Roston Kirk is the Simulation Operations Coordinator at the UConn School of Nursing. As the Coordinator for the program, he is responsible for the technology, purchasing, scheduling and maintenance for all the Simulation Based Education in Storrs, as well as the Simulation spaces in Waterbury, Avery Point & Stamford.
Healthcare Simulation:

Definition • A technique that creates a situation or environment to allow persons to experience a representation of a real health care event for the purpose of practice, learning, evaluation, testing, or to gain understanding of systems or human actions.
Why is Healthcare Simulation a good thing?

1. It fosters a sense of confidence in Nursing Students, as they get to handle complex and advanced situations that they are not allowed to do in Clinical Placements.

2. It allows the students to advance their skills in a safe environment, without putting real patients at risk.

3. As clinical placements get more and more challenging, Simulation allows Nursing Students to gain real clinical hours that count towards their NCLEX exam qualification process.
The Supporting Technology

**Mac Mini**

- **Surface Tablet** connected to manikin via **RF Module**
- **Headset** to talk as patient
- **Crestron GUI**
- **E.H.R. Laptop**
AV RACK

Streaming Media Processors: Extron
Switcher & Processors: Crestron
Amplifiers, switches, etc...
Voice Modulator!
In the Simulation Room

Ceiling mounted 6.5" JBL 26CT Speakers

Ceiling mounted Vaddio Roboshot 30E PTZ Cameras

Ceiling mounted Classis RM30W Cardioid Mics
And of course the Simulators!
The Challenges.

1. Medical Terminology
2. Medical Hardware
3. Simulator Repair
4. Setup for Simulations
Thank you, UConn ITS!

... & Questions?

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