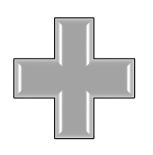




Game-Based Learning and Clinical Simulation for Pharmacology

Mark J. Hernandez and Kelly Quesnelle











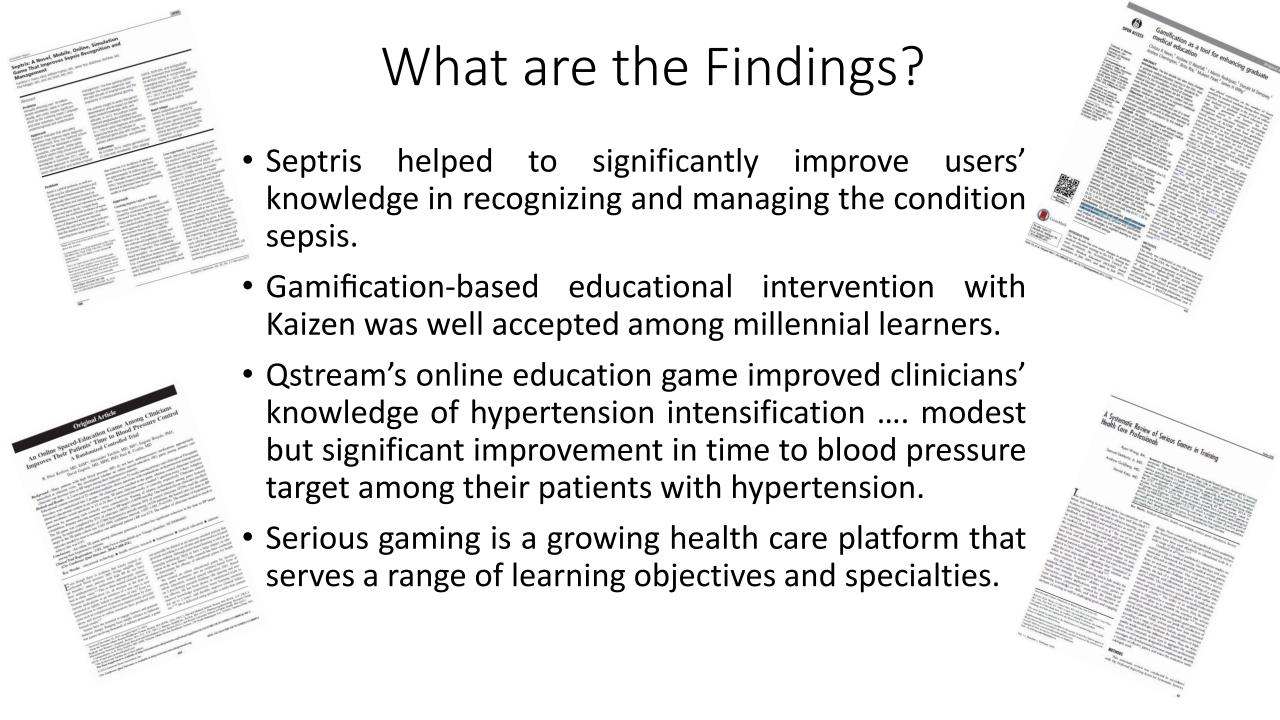
Why Game-Based Learning and Clinical Simulation for Pharmacology?



Game-Based Learning

Around the country professional schools are increasingly creating educational games for learners.

- <u>ElderQuest</u>, a video game about pharmacotherapy used by students in geriatrics.
- <u>Septris</u>, modeled after the video game Tetris, helps medical trainees learn to recognize and treat sepsis.
- <u>Kaizen</u>, a web based quiz version of are you smarter than a medical resident.
- <u>Ostream</u>, an online spaced education game teaches health care providers BP-lowering options.



Medical simulation



- Used in healthcare education to replace or amplify real patient experiences with scenarios designed to replicate real health outcomes, using lifelike mannequins, physical models, standardized patients, or computers.
- No longer limited to "see one, do one, teach one", instead "see one, do many with simulation, teach one".
- Combines the benefits of different learning styles.
- Reduces patient risk and provides consistent training and assessment

Today's schedule:



3:05-3:25 PM: Learning is All Fun and Games with Game-Based Learning

3:25- 3:50 PM: Interactive Pharmacology Game

• Eric Bauman - DeVry Medical International and Founder of the Clinical Playground

Game-Based Learning



3:50-4:15 PM: The Use of High-Fidelity Simulation in an Integrated Patient Presentation Curriculum

• Raeann L. Carrier - West Virginia School of Osteopathic Medicine



4:15-4:40 PM: Use of Simulation for Active Learning in an Integrated Doctor of Pharmacy Curriculum

•Ryan A. Schneider - University of Findlay

Clinical Simulation for Pharmacology



4:40-5:05 PM: Simulation of the Libby Zion Case in the Teaching of Medical Pharmacology

• Mark Hernandez - Alabama College of Osteopathic Medicine



5:05-5:25 PM: High Fidelity Medical Simulation: An Experiential Learning Modality

•Samuel Foldy- Alabama College of Osteopathic Medicine