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Utilization of a Double Robot To Promote Critical Thinking By Novice Student Physical Therapists

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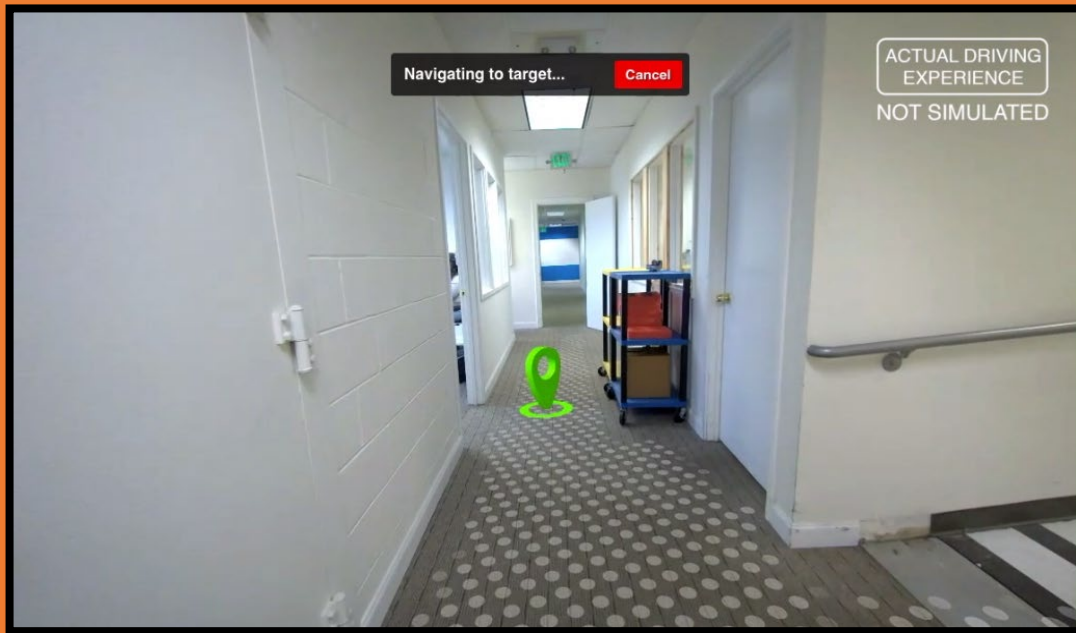PT, DPT, OCS, MTC

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OBJECTIVES

- Understand the clinical significance for the utilization of a double robot during a simulated telehealth session by novice student physical therapists to develop critical thinking skills.

- Demonstrate how to create a simulated telehealth session including the utilization of a double robot to promote critical thinking by novice student physical therapists.

- Analyze the limitations for virtual healthcare simulation and discover how to apply strategies for successful outcomes to promote development of critical thinking skills.

BACKGROUND[1-3]

According to the Health Resources and Services Administration of the US Department of Health and Human Services (HHS)…

Telehealth is the use of electronic information and **telecommunications technologies** to support and promote long-distance clinical health care, patient and professional health-related education, public health, and health administration.

Technologies include videoconferencing, the internet, store-and-forward imaging, streaming media, and terrestrial and wireless communications."

Double Robot[4]

ACTUAL DRIVING EXPERIENCE NOT SIMULATED

Navigating to target... Cancel

"Double 3 is a self-driving, two-wheeled videoconferencing robot that revolutionizes the way you work or learn remotely. Double enables telecommuters, doctors, remote workers, and students to feel more connected to their colleagues by giving them a physical presence where they can't be in person. Driving your own Double means you are free to roam around the office, visit patients, attend meetings, monitor work sites, or go to class from anywhere in the world."[4]
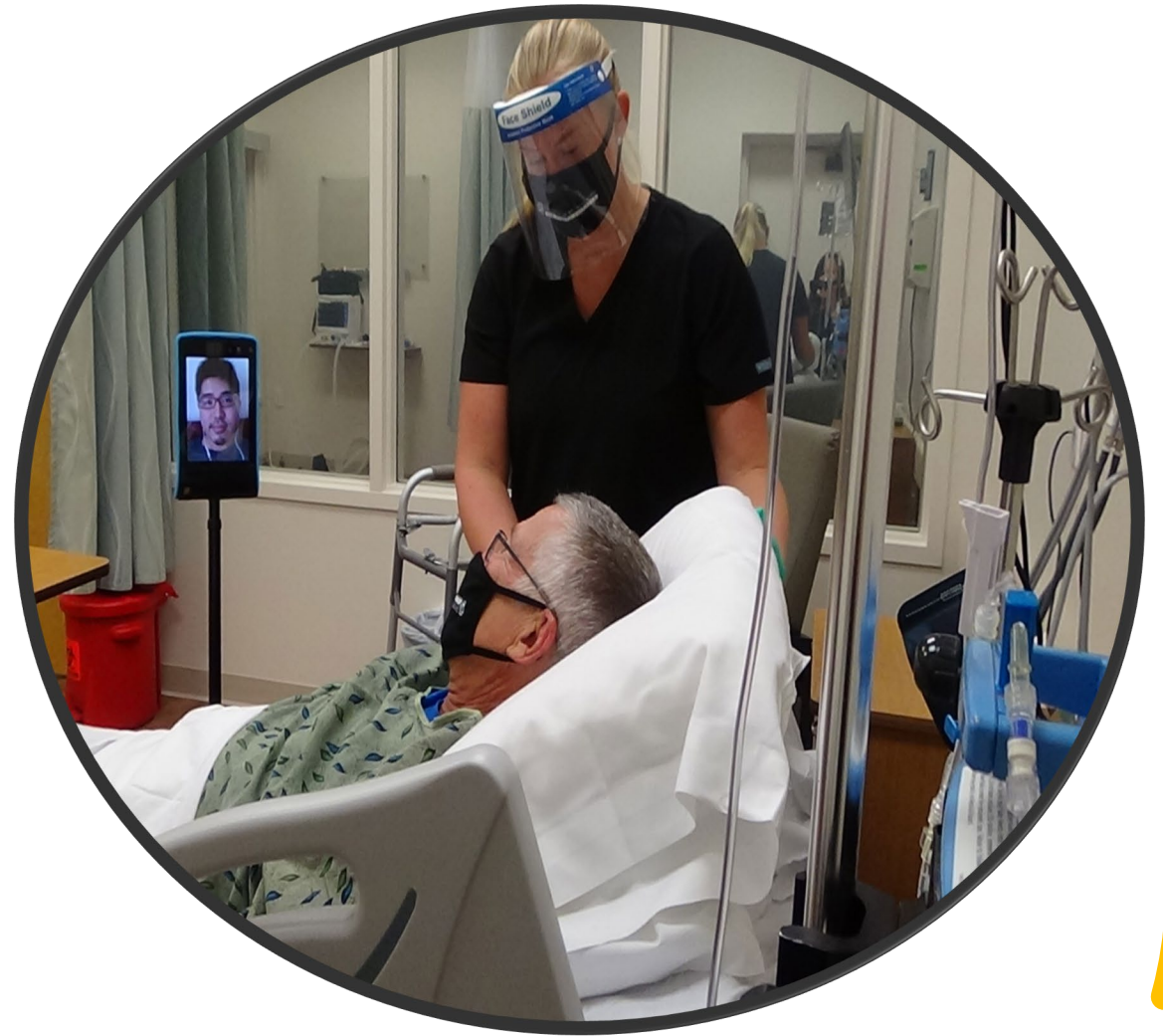
Double Robot³

Double Robot[3]

Double Robot[6]

Double Robot[5-7]

Resources[1,9]

- HIPAA (APTA): www.apta.org/HIPAA/
- HIPAA and Telehealth E-Learning Course: learningcenter.apta.org
- HIPAA for Professionals: www.hhs.gov/hipaa/for-professionals/index.html
- Summary of the HIPAA Privacy Rule: www.hhs.gov/hipaa/for-professionals/privacy/laws-regulations/index.html
- Summary of the HIPAA Security Rule: www.hhs.gov/hipaa/for-professionals/security/laws-regulations/index.html
- Cyber Security Guidance Material: www.hhs.gov.hipaa/for-professionals/security/guidance/cybersecurity/index.html
- Licensing Authorities Contact: fsbpt.org
- Telemedicine: Risk Management Issues, Strategies, and Resources: hpso.com

Resources[6]

- **Telehealth Risk Management Considerations: http://www.apta.org/Telehealth/RiskManagementConsiderations/**

- **State Coverage for Telehealth Services: http://www.ncsl.org/research/health/state-coverage-for-telehealth-services.aspx**

- **HIPAA Security Rule Toolkit: http://scap.nist.gov/hipaa/**

Thank You!

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