

The Impact of Virtual Reality Simulation as Teaching Strategy in Nursing Education

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Abstract

Learning via virtual reality simulation in practice is viewed as one strategy of outlining the gap between theory (concepts, features, limitation,..., etc.) and practice (performing skills, and experience in clinical settings) that has several advantages as preventing the probably disastrous consequences of errors occurring in clinical settings. Traditionally, higher education was instructive, providing form of theory-based lectures, with structured clinical hours undertaken in the clinical environment. Whereas, traditional practice happens within physical laboratories, using mannequins, human actors, and task instructors to duplicate procedural tasks and clinical scenarios.

While, the transfer into the digital age has seen a move into blended learning methods which have become progressively common since the mid-2000s, and occurs on mixed structure, a constructive, and consisted of several strategies of teaching as audio-visual elements, online learning, self-directed learning modules, lectures and/or workshops, and critical-thinking exercises. Thus, virtual reality simulation plays a vital role within nursing education, with a diversity of software applications a supplement to face-to-face training, and 'serious games' being used as a replacement for it. Acquisition of psychomotor skills is an essential portion of nursing education as well as the basis upon which teaching/learning strategies are chosen, it linked with understanding, the cognitive, and affective field features as an attraction for values and attitude. Moreover, the acquisition of skills is directly related to nursing performance to answer the patients' needs. So, nurses should be masters the skills related to nursing interventions.

Key words: virtual reality simulation; nursing education; teaching strategy; nursing skills

Biography

Samar Thabet Jallad Ph.D. RN, Dr. in Nursing Department (Vice Head of Nursing Department) in Health Institute Faculty at Cyprus International University/Cyprus, her field in nursing education that related to developing nursing curriculum, and improving learning strategies/methods that related to various skills like critical thinking and problem-solving facing nursing students in a practice field. And also, she is a specialist in her study for Virtual Reality Simulation (VRS) that effective as a learning/teaching strategy of acquisition skills in nursing education, which help to improve performance, increase satisfaction, and reduce anxiety among nursing students. On the other hand, she had a Master's degree in management of nursing, which assisted her to be effective in issues relating to organization and administration encountering nursing students and departments in faculties

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