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The transferability of multimedia open educational resources in nursing clinical skills education to Saudi Arabia: A mixed method study

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The acquisition of clinical skills is a crucial part of learning to be a nurse and a lack of clinical skills ability can compromise patient care and safety. The methods used to teach clinical skills to nursing students require innovative strategies. Web-based learning is gaining popularity as a supportive way of delivering clinical skills education (CSE). The ease of uploading material to the internet has led to the proliferation of open educational resources (OERs). Reusable learning objects (RLOs) are a specific form of OER and the focus of this study. These UK produced RLOs have been selected in this research because their pedagogical co-design methodology is empirically derived, and they are being used by millions of users worldwide, but little is known about how the RLOs transfer to culturally different countries. The aim of this study is to explore the transferability of multimedia OERs in the form of RLOs created in the UK for clinical skills education in Saudi Arabia (KSA) nursing education. This research adopted a mixed method approach. Undergraduate nursing students participated in the first phase, where the Think-Aloud method was employed to explore students' and lecturers' (n=12) skills in-depth views on six clinical skills RLOs. The RLOs were implemented into the nursing curriculum and 140 nursing students (response rate 98%) completed a validated questionnaire on the acceptability, usability and engagement into the use of the UK RLOs within the KSA context. Although some participants faced challenges on the usability of the clinical skills RLOs, the findings showed that the RLOs as OERs can be shared globally. Preliminary results are shown in the table and will be presented in the session. Tutors are now integrating these and other RLOs from the extensive repository into their nursing curriculum which shows that user designed, high-quality OERs are transferable to culturally diverse contexts.

Questions	Strongly agree	Agree	Disagree	Strongly disagree
The RLOs were helpful for learning the clinical skills	100%	100%	0%	0%
The RLOs enhanced my confidence in my clinical skills	100%	99%	1%	0%
The RLOs helped me to practice the clinical skills independently	100%	11%	10%	0%
The RLOs decreased my anxiety in the lab sessions	100%	10%	10%	0%
RLOs were superior to other online learning resources available on the web, for example Khan Academy	100%	43%	10%	0%
I enjoyed being able to study procedures at my own pace	100%	100%	0%	0%
I like being able to access the RLOs whenever I want	100%	44%	0%	0%
The language was easy to understand in the RLOs	100%	100%	1%	0%
The RLOs were difficult to use	0%	11%	89%	100%
I liked the multimedia design of RLOs	100%	40%	100%	0%

Some students responded that the questionnaire of clinical skills RLOs components, usability & engagement

Biography

Hadeel Lamphon is currently a PhD student in the School of Health Sciences at Nottingham University, UK. Her research interests are in the area of advanced nursing, and clinical skills education and technology. Her doctoral research explores the transferability of multimedia open educational resources to nursing clinical skills education in the Saudi context. She has completed her BA in General Nursing from the King Abdulaziz University, Saudi Arabia (KSA) in 2004, and MSc in Advanced Nursing from the University of Nottingham, UK in 2013. She worked as a Registered Nurse for more than three years in Royal Commission Hospital, KSA, and she is now a Lecturer at Taibah University, KSA, since 2009. She has her expertise in clinical skills education, and passion in improving the nursing education to have a high competence Saudi nursing graduate and achieve the 2030 Saudi vision.

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