Undergraduate student nurses’ learning experiences with the Wales Virtual Hospital - 360° still environment e-learning package – A pilot evaluation

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Background

Recent advances in 'virtual' technologies have transformed conventional teaching and learning styles in many ways (Tang et al 2020).

The Wales Virtual hospital is an immersive online platform which allows educators to create their own 360° image based clinical environment and scenarios where students can interact with virtual hotspots which contain information, multimedia content, or activities such as reflection, history taking or quiz questions.

This was the first project of its kind within UG nursing programme at Cardiff University.

Methods

- **E-learning package**
  Care of a child with febrile seizure
  Launched in February 2023

- **Online questionnaire**
  Design, page navigation, contents, learning activities and knowledge gain.

- **Collaborative approach & Co-creation**
  Lead lecturer & digital learning manager

Qualitative data

'What did you like most about the e-learning?'

'What improvements would you suggest or features that you would like to see in future 360° E-Learning materials?'

Findings

- Improved knowledge and understanding of the subject matter
- Easy to use
- Attractive and visually stimulating
- Improved observational skills
- Well-organised learning materials

Aim

To report undergraduate nursing students’ learning experiences with the Wales Virtual Hospital 360° still environment e-learning package.

Challenges & Suggestions

- Not easy to navigate in mobile phones
- More scenarios please
- Could have used more images
- Incorporating ‘hands-on’ activities (eg: Taking vital signs and documentation)
- Scenario development requires a significant amount of time (writing storyboard and coordinating consent & filming process)

Conclusion

Overall, students’ learning experience with the Wales Virtual Hospital 360° e-learning package was positive.

The Wales Virtual Hospital 360° e-learning package can complement other learning and teaching methods.

References