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RUSKIN ROW: INNOVATING NURSING EDUCATION THROUGH COLLABORATIVE AI INTEGRATION FOR SIMULATED PRACTICE LEARNING

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Introduction: Addressing the challenge of providing authentic simulated practice learning (SPL) experiences for 750 first-year student nurses across multiple campuses, this presentation explores the implementation of Ruskin Row, a community simulated practice learning initiative. The aim of the SPL was for student nurses to develop competence in proficiencies identified in the UK Nursing and Midwifery Council (NMC) Future Nurse Standards of Proficiency (2018) [1], the case study seeks to investigate the effectiveness of integrating AI software to create immersive learning scenarios.

Methods: Ruskin Row was created through collaborative efforts involving the nursing simulation team, service users, and practice partners to develop tailored scenarios. AI-generated content, facilitated by Veed.io and Chat GPT, was integrated to enhance scenario realism. Diverse AI avatars, reflective of inclusivity. Additionally, the incorporation of diverse media elements, including videos captured using an iPhone and Gimbal, and immersive 360-degree videos filmed with an Insta X3 camera further enhance the learning experience.

The AI scenarios, developed in VEED.io, are stored in ARU's media repository, Yuja and linked into Canvas learning management system. Students received support throughout the Simulated Placement learning from a team of academic practice supervisors, led by the placement Charge Nurse.

Results: Student engagement was high, with positive feedback on content quality and relevance. Notably, students exhibited growth in professionalism, particularly in areas such as avoiding stereotypes and embracing empathy in patient care, aligning well with the principles of patient-centred care. However, staffing shortages posed challenges, highlighting the importance of consistent support for optimal learning experiences.

Discussion: The experience of the development team underscores the value of collaborative input in integrating AI-generated scenarios into nursing education. By prioritising inclusivity, cultural diversity, and ethical considerations, Ruskin Row fosters innovation in educational practices. Addressing staffing concerns is pivotal for maximising the impact of simulated learning experiences, emphasising the need for sustained support mechanisms.

Ethics statement: Authors confirm that all relevant ethical standards for research conduct and dissemination have been met. The submitting author confirms that relevant ethical approval was granted, if applicable

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1. Nursing and Midwifery Council. Future Nurse: Standards of Proficiency for Registered Nurses. 2018. Available from: https://www.nmc.org.uk/globalassets/sitedocuments/education-standards/future-nurse-proficiencies.pdf.