

HI-FIDELITY AND VR SIMULATION IS AN EFFECTIVE EDUCATIONAL TOOL IN FY RESIDENT DOCTORS

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BACKGROUND

- Foundation Year (FY) simulation is an educational tool that allows junior doctors to practice managing emergency situations in a safe learning environment without risk to patients.
- It provides psychological safety, enabling learners to make mistakes and learn from them.
- Structured debriefing and feedback after sessions encourage self-reflection and support learning.
- Overall, FY simulation helps improve clinical competence, decision-making, and confidence among FY doctors.

OBJECTIVES

- To improve junior doctors’ ability to manage emergency and life-threatening clinical situations.
- To enhance clinical decision-making and problem-solving skills in a safe learning environment.
- To increase confidence and preparedness for real-life clinical scenarios.
- To promote reflective learning through structured feedback and debriefing after simulation sessions.

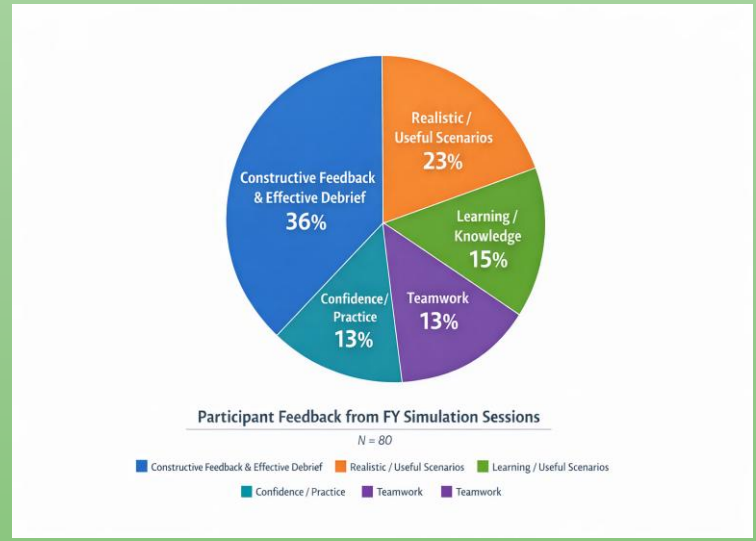
METHOD

At Royal Papworth NHS Foundation Trust, to support FY doctors’ training various SIM sessions are offered. High-fidelity simulation is delivered through 6–7 sessions annually for local FY doctors and 4–5 additional sessions open to regional FY doctors across EOE comprising of 6-8 participants per session..

Virtual Reality (VR) simulation sessions are also provided for F1 doctors.

All sessions include structured debriefing by trained faculty, and evaluation is conducted through participant feedback and reflective discussions.

RESULTS



CONCLUSION

- Simulation training, including high-fidelity and Virtual Reality (VR) modalities, is an effective method for Foundation Year (FY) doctor training.
- It is well received by trainees and provides valuable opportunities to practice managing complex and emergency scenarios.
- A psychologically safe learning environment allows trainees to make mistakes and learn without risk to patients.
- High-quality structured debriefing is essential to maximize learning and reflection.
- Simulation training helps improve confidence, clinical decision-making, and transfer of skills to real clinical practice.