

Hello ISSiT Me (you're looking for): In-Situ Simulation for The Multidisciplinary team in care of the elderly wards

Marie Lim, Ruth Austin, Suchi Ghosh, Hannah Sawyerr, Su Thiri Aye, Charles Mukherjee, Emma Stevenson
Department of Medicine for the Elderly, Broomfield Hospital, Mid and South Essex NHS Foundation Trust

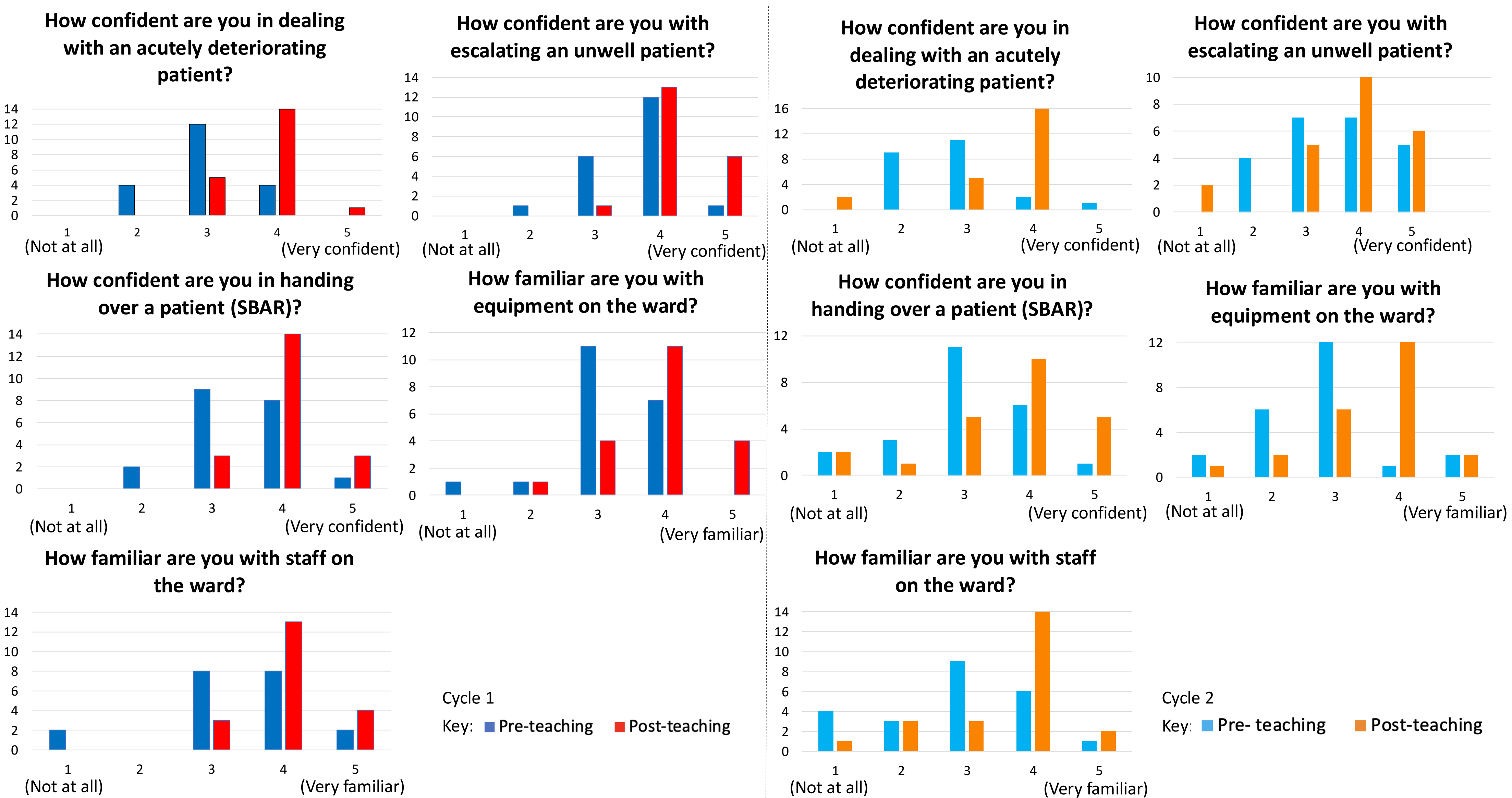
Introduction

- In-situ simulation can improve professional skills, team working and clinical care¹
- In-situ simulation differs from traditional simulation as the emphasis is placed on teams reviewing and reinforcing skills and problem-solving in their current clinical environment²
- Can benefit the wider MDT via social learning theories by providing a sense of camaraderie and belonging, improving workplace moral, motivation and productivity³
- Can be linked to training curriculum of various training programmes⁴⁻⁶

Methods

- 30 minute long sessions on ad-hoc basis
 - Cycle 1: On frailty ward
 - Cycle 2: On base ward of resident doctors with select equipment provided
- Simulated scenarios were chosen on their relevance to elderly care, general medicine, and the FY, IMT and GPST curriculum
- Participants encouraged to partake to the highest fidelity possible, and to reflect on performance, learning points and changes to practice following sessions
- Participants include consultants, nursing staff, physician associates, medical students, medical observers
- Pre and post teaching questionnaires circulated measuring self-assessed confidence in reviewing acutely unwell patients, handover, and familiarity with ward staff and equipment, measured on Likert scale

Results



Discussion

- Overall increase in self-reported confidence in managing an acutely deteriorating patient following participation in a session
- General improvement in confidence in escalating an unwell patient, handover, familiarity with staff, and familiarity with equipment following attendance at an in-situ simulation session
- Safe controlled environment for participants to practice skills
- Many factors contribute to difference in responses between cycles (e.g. Time within training year, scenario given)

Participant feedback

"I am a medical student. I think the session was well structured and I learnt a lot. I think the learning environment was really good and I felt comfortable speaking up. I really enjoyed it and xyz was a really good teacher!"

Participant feedback

"Really engaging and informative session. Useful feedback and practical advice that I can apply to ongoing clinical practice during my foundation years"

Conclusion and future actions

- Introduction of in-situ simulation can increase confidence in reviewing an acutely unwell patient and improvement in other metrics involved in patient care and communication
- Need for high-fidelity simulation in medical education
- Creation of in-situ simulation faculty
- Addition of communication skills (e.g. breaking bad news, advanced care planning, challenging family discussions)

References

1. Motola I, Devine LA, Chung HS, Sullivan JE, Issenberg SB. Simulation in healthcare education: a best evidence practical guide. AMEE Guide No. 82. Med Teach. 2013 Oct;35(10):e1511-1530.
2. Patterson MD, Blike GT, Nadkarni VM. In Situ Simulation: Challenges and Results. In: Henriksen K, Battles JB, Keyes MA, Grady ML, editors. Advances in Patient Safety: New Directions and Alternative Approaches (Vol 3: Performance and Tools) [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US); 2008 [cited 2024 May 20]. (Advances in Patient Safety). Available from: <http://www.ncbi.nlm.nih.gov/books/NBK43682/>
3. Smith SE, Tallentire VR. Simulation for social integration. 2023 May 20 [cited 2024 May 20]; Available from: <https://www.ijohs.com/article/doi/10.54531/tdzn8875>
4. UK Foundation Programme 2024. UK Foundation Programme Curriculum 2021 [Internet]. 2021. Available from: https://foundationprogramme.nhs.uk/wp-content/uploads/sites/2/2024/04/UKFP%20Curriculum%202021_Oct22%20update.pdf
5. Joint Royal Colleges of Physicians Training Board. Curriculum for Internal Medicine Stage 1 Training [Internet]. 2019. Available from: <https://www.thefederation.uk/sites/default/files/Internal%20Medicine%20Stage%201%20Curriculum%20FINAL%2011217.pdf>
6. RCGP. GP curriculum: Being a general practitioner [Internet]. [cited 2024 May 20]. Available from: <https://www.rcgp.org.uk/mrcgp-exams/gp-curriculum/being-general-practitioner>