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InTERSim Revisited – Examining The Effect of Increased Frequency of In-Situ Simulation Sessions on Learners

Chan JJ, Nadarajan G, Wong E. Department of Emergency Medicine.

Singapore General Hospital
SingHealth

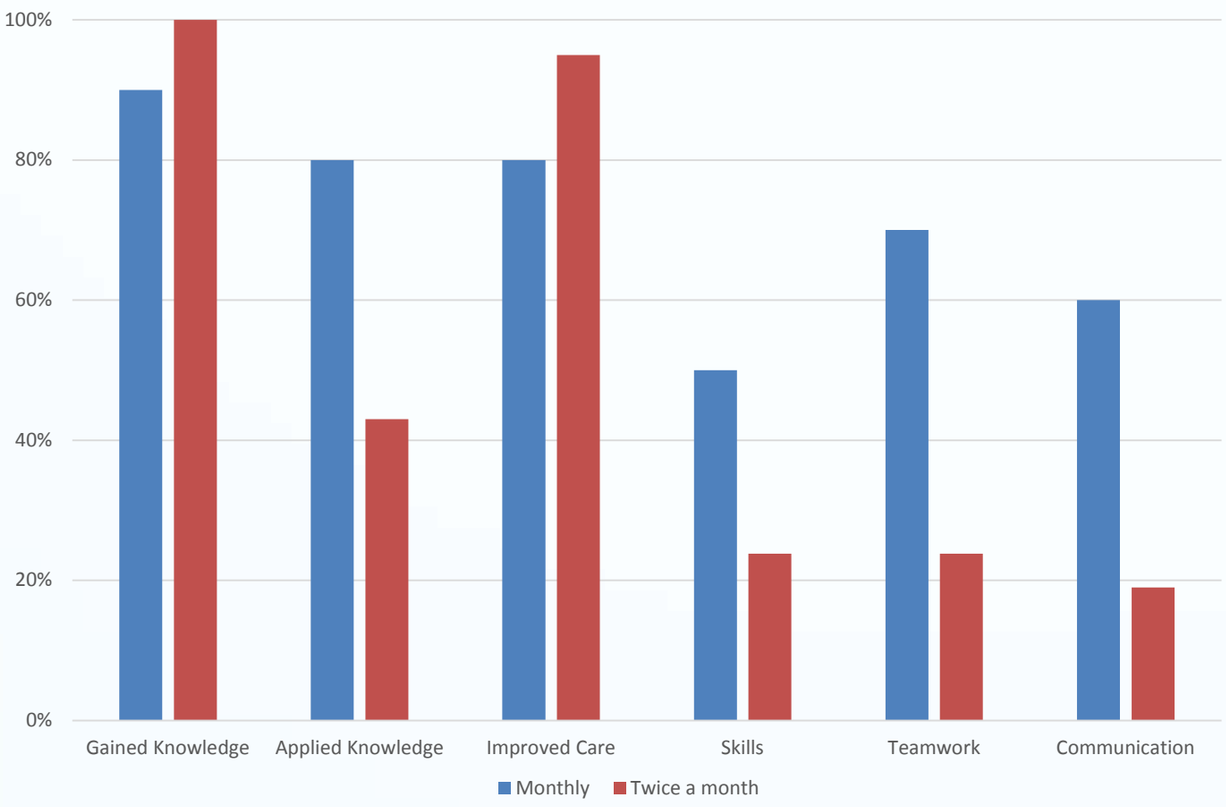
Background

Our initial study on in-situ resuscitation simulation in our Emergency Department called InTERSim (Inter-Professional Training in Emergency Resuscitation in Simulation) showed that learners became more confident and competent as part of the team. We decided to examine the effect of increasing the frequency of sessions from once to twice a month on our learners.

Methods

Low fidelity simulation sessions were conducted in the resuscitation room for junior doctors rotating through our department. These sessions were conducted by senior residents and consultants and comprised didactic lectures followed by resuscitation scenarios, and were held between June and November 2018.

The results were compared with our earlier survey conducted in December 2016. The survey was designed to evaluate the sessions according to Kirkpatrick's four levels.



Effect Of Increased Frequency Of Simulation On Learners

Results

Twenty-one doctors were surveyed. All replied that they had gained in knowledge and skills. More than 90% felt more confident in managing similar cases and that the sessions helped them practice with team members. Ninety-five percent felt that the sessions improved their care of real patients.

Only 43% applied the knowledge used during the sessions on real patients compared with 80% in the initial study. Fewer applied skills, teamwork and communication.

Discussion

Our latest survey showed that increased frequency of in-situ simulation is effective in allowing learners to gain knowledge and skills and possibly improve care. The decrease in proportion of learners who applied what they learnt may be attributed to the shortened posting duration for some groups of residents, as well as the reduced number of resuscitation shifts available to junior doctors due to manpower constraints. This limited the effectiveness of our training in the area of behaviour and results..

Conclusion

Increased frequency of in-situ simulation allows learners to gain knowledge and skills.

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