

OP2

High Fidelity Simulation Training for Medical Students in EM Specialty Clerkship

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Introduction: The Nethersole Clinical Simulation Training Centre (CSTC) started a series of high fidelity simulation training for medical students in the emergency medicine specialty clerkship attachment in PYNEH. The programme enables students to experience a near real clinical situation in managing critically ill patients.

Method: The programme consists of four clinical scenarios in a three hour session. It applies over learning theory as the foundation and incorporates human factors such as teamwork and communication into a fully immersed high fidelity simulation environment with the bombardment of critical patient situations. Students are expected to convert their learned knowledge into practice and carry them out in an efficient and effective way. All the scenarios are followed by learner-centered debriefing and toward the end of the course students are asked to write down their reflections on what they have learned and suggestions about the course.

Findings: The reflections of the students correlate well with the intended learning outcomes of the programme. The most received take home messages include:

1. Appreciation of the importance of teamwork.
2. Understanding on the gap between knowledge and practical skills.
3. Recognition on the ways of effective communication in crisis.

The programme is welcomed by the students and they want more simulation training to be arranged in their clerkship.

Conclusion: An early exposure to near real clinical crisis in a high fidelity simulation environment enable medical students understand two very important perspectives:

1. The limitation of learning knowledge without application in practice.
2. The importance of team skills in practice.

Simulation training is probably the only solution to teach these aspects effectively and Medical school should invest more on provision of simulation training to students.