Phlebology Emergency Crisis Management Course: A Pilot Study

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Introduction

Phlebology is a medical discipline involving the treatment of venous disorders in the practitioner’s rooms. This new 1-day course was designed to provide training in crisis resource management (CRM) and management of medical emergencies.

Aim

This pilot study aimed to assess whether participant confidence in life-saving techniques and CRM would increase after Simulation training.

Methods

The course began with a teamwork ball-game and leadership training. Participants then received hands-on training in airway management and advanced cardiac life support using an ALS simulator. The afternoon involved 4 scenarios using a Laerdal SimMan and an actor. A 10-question pre and post-course questionnaire examined participant confidence in life-saving techniques and their perception of medical simulation as a training tool using a 5-point Likert scale. Participants rated each section of the course on a Likert scale as well as their perceived level of skill in resuscitative techniques before and after the course.

Results
11 participants were surveyed (median years practicing 30).

None had prior experience of medical simulation. There was a significant increase in confidence in life-saving techniques as well as acceptance of simulation as a training method (P < 0.05). All sections of the course were rated in the “good” to “excellent” range while subjective rating of skill in resuscitation showed a significant increase from “fair” to “good” [(2.36±1.03 vs. 4.0±0.43) (P < 0.05)].

Conclusions

This course significantly improved participant’s confidence in dealing with medical emergencies and CRM while medical simulation was highly accepted as a training method.