STARTT – Development of a national multi-disciplinary trauma crisis resource management curriculum: Results from the Pilot Course
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Background: Most medical errors are non-technical and include failures in team communication, situational awareness, resource usage, and leadership. Other high-risk industries have adopted team-based crisis resource management (CRM) training strategies to address “non-technical” skills and to improve human error and safety. Here we describe the development and evaluation of a national multi-disciplinary trauma CRM curriculum.

Methods: A needs analysis survey was distributed to general surgery program directors across Canada. Using this feedback a course called S.T.A.R.T.T. (Standardized Trauma and Resuscitation Team Training) was developed and held in conjunction with the Canadian Surgery Forum. Participants completed a pre and post course evaluation exploring changes in attitudes towards simulation and CRM principles using previously validated instruments.

Results: Twenty surgical residents, six nurses, four respiratory therapists and eleven instructors (trauma surgeons, emergency physicians, nurses and intensivists) participated. 100% of participants completed the survey. Satisfaction was very high with 97.5% of participants rating the course as “good” or “excellent” and 97.5% recommending it to others. The pre and post survey showed statistically significant improvement in attitudes
towards simulation and overall CRM principles (136.3 vs 140.3 of 170, p=0.004)
following the course, primarily in the domain of teamwork (69.1 vs 72.0 of 85, p=0.002).

**Conclusions:** Creation of a national multi-disciplinary trauma CRM curriculum is feasible, has high satisfaction amongst participants and can improve attitudes towards the importance of simulation and CRM principles with the ultimate goal of improving patient safety and care.

**Level of Evidence:** Level IV prospective educational study.

**Key Words:** Resuscitation, Simulation, Crisis Resource Management, Multi-disciplinary.