



MEDICAL EDUCATION
SCHOLARSHIP CENTRE

Medical Education Scholarship Forum Proceedings

A faculty development program for a simulation-based anesthesia curriculum using the Debriefing Assessment for Simulation in Healthcare (DASH)

Noel O'Regan, Anesthesia

Background Simulation-based exercises are well established as a necessary teaching approach in postgraduate anesthesia education. The Future of Medical Education in Canada Postgraduate Project (FMECPP) has recently indicated that faculty development is one of the least developed aspects of simulation in Canada and a key issue in postgraduate education. Accordingly, a simulation program for anesthesia residents was designed to promote continuous faculty development through the creation and implementation of simulation scenarios. **Program Description** The program provides monthly simulation sessions and debriefings to residents which are faculty-lead and based on core anesthesia curriculum. The simulation committee who creates and delivers the scenarios is comprised of four anesthesia faculty members and one anesthesia resident. Three times a year, the simulation committee meets and each instructor delivers the scenario they have prepared to be incorporated into the program. Two instructors deliver the scenario and remaining members act as participants. After each scenario, the scenario instructor will guide a debriefing session which is assessed using the debriefing assessment for simulation in healthcare (DASH) tool by the faculty who acted as participants. **Conclusions** With the DASH tool being used to direct improvements in the debriefing process, this program allows the simulation committee to practice their debriefing skills while correcting their areas of weakness. It also provides the opportunity to fine-tune or change the scenarios to better work for residents, contributing to improved teaching performance for faculty and better learning outcomes for residents. Continuous faculty development of student-centered learning is also achieved as residents complete a student DASH form evaluating the quality of the debriefing sessions throughout the program.