

2015

The Effects of a Deliberate Practice Debriefing Model During a "Response to Rescue" Simulation

Kwantlen Polytechnic University. Office of Research and Scholarship.

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Recommended Citation

Kwantlen Polytechnic University. Office of Research and Scholarship, "The Effects of a Deliberate Practice Debriefing Model During a "Response to Rescue" Simulation" (2015). *Research Infographics*. Book 1.
<http://kora.kpu.ca/ors-infographics/1>

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The Effects of a Deliberate Practice Debriefing Model During a "Response to Rescue" Simulation



Principal investigator Arleigh Bell, an instructor at Kwantlen Polytechnic University (KPU) and five researchers from the United States carried out a study to identify which debriefing practices work best for health students.



What's the Research Challenge?

Registered nurses are often the first professionals present when a patient's condition deteriorates. The challenge is to prepare nurses adequately so they can recognize and respond to the deterioration and take action when life threatening complications occur.



This study compares student nurses' competency (knowledge and skills), learning retention, and perceived student support (for learning) after exposure to standardized debriefing versus deliberate practice debriefing during a simulation exercise.

What Did They Do?

Students from four schools in the US and Canada were recruited & randomized into 2 groups:

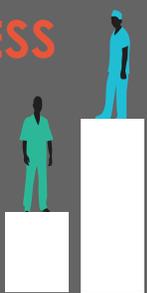
1. **Control Group** > received 1 standardized debriefing at the end of the simulation.
2. **Intervention Group** > received deliberate practice debriefing every 20 minutes.



The students in the intervention group had a

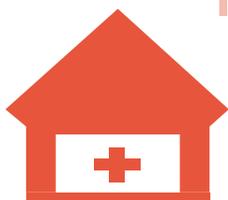
HIGHER SUCCESS RATE

than those in the control group.



Impact.

By adopting a deliberate practice debriefing model, health students gain the knowledge, skills, and confidence to react appropriately in real-life situations.



Impact. Impact. Impact. Impact. Impact. Impact. Impact. Impact. Impact.

Evidence from this study will encourage more schools to adopt the

deliberate practice debriefing model.

The result will be an improved patient safety rate in Canadian and US hospitals.

What's Next?

The research team will continue to study different methods involving health simulation practices.



+ SIM +



For example, one potential area of interest could involve the Faculty of Art's music department to see if calming music during simulation practice is beneficial.