Title: Patient/Medication Training: An Opportunity for Virtual Interactive Case System Innovation

Author: Certina Ho

Presenters: Eulaine Ma (2T3) and Wei Wei (2T3)

Research Team: Certina Ho (Faculty Supervisor), Sonya Dhanjal (Pharmacist), Gordon Tait (Advisor), Christy Mak (2T1), Amy Botross (2T1), Eulaine Ma (2T3), and Wei Wei (2T3)

Abstract

Background
Current literature on virtual cases illustrates increased student self-directed learning and satisfaction. Yet, the use of virtual cases has not been explored in the context of patient/medication safety. The Virtual Interactive Case (VIC) System allows educators to create online clinical reasoning scenarios with a bridge between theory and practice.

Methods
We created VIC training modules on medication incident disclosure, root cause analysis (RCA), and failure mode and effects analysis (FMEA). We piloted tested them during the COVID-19 pandemic. We administered a 16-item online questionnaire from May 22, 2020 to June 8, 2020 and obtained feedback from pharmacy students and practitioners in Ontario.

Results
Most of our 18 respondents had 1-5 years of practice experience. Their practice settings ranged from associations, academia, to community pharmacies and hospitals. Respondents found the VIC platform easy to navigate. They perceived the content to be relevant and easy to implement in patient care settings. Majority of them indicated that they were confident in carrying out incident disclosure, RCA, and FMEA at their practice settings.

Conclusion
The VIC System can be used to educate students and practitioners on patient/medication safety. It is a safe and user-friendly platform to support patient safety in virtual pharmacy care.

Word Count: 200