

Cytotoxic Agents: Breaking to Manage Better!

C. Communier¹, F. Gaume¹, F. Ou Cebron¹, C. Airiau¹

1: Pharmacie centrale, CH Cholet, 1 rue Marengo, 49325 Cholet Cedex

INTRODUCTION

essential



Increased risk of accidental exposure to cytotoxic drugs due to increased activity

Fast and efficient support is

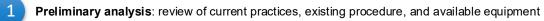


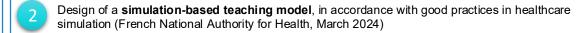
= Teaching method that enables trainees to practice managing risky situations in a safe environment



SIMULATION







Planning simulation sessions for all exposed personnel

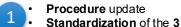
Evaluation of training effectiveness, based on Kirkpatrick's model Level 1 - Satisfaction: gather feedback from trained staff using a 7-point Likert scale questionnaire Level 2 – Skills acquisition: pre/post self-assessment questionnaire with 15 questions

OBJECTIVE



Design and implement a simulation-based educational program for managing accidental spills of cvtotoxic substances

RESULTS



decontamination kits in the pharmacy





Creation of 4 different scenarios:

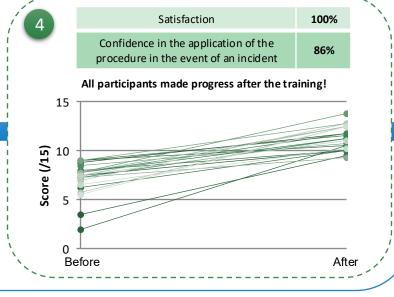
- Breakage of a powder vial
- Breakage of a liquid vial
- Leakage from a bag
- Direct contact with the product
- + Observation grid with 27 criteria

Typical session schedule (1 hour):

- Self-assessment questionnaire: 10 min
- Briefing: 10 min
- Role-play: 10 min
- Debriefing using the RAS method (Reaction, Analysis, Synthesis): 30 min



- 11 sessions organized from August 28 to September 20, 2024
- 22 participants (n=22): 15 pharmacy technicians, 3 storekeepers, 3 pharmacists, and 1 pharmacy resident



CONCLUSION / DISCUSSION



- Improved management of accidental spills of cytotoxic substances
- Simulation = effective training method



- Possibility of extending the method to other risk situations such as computer failures **BUT** requiring additional resources
- 28èmes journées du GERPAC, octobre 2025