

Preparation of experimental injectable drugs : designing an e-learning tool to train tomorrow's operators !

Gasmi L. ⁽¹⁾, Gabai J. ⁽²⁾, Gahbiche A. ^(1,2), Berrich F. ⁽³⁾, Bloch V. ^(1,2,4), Jacob A. ^(1,2,4), Belaid I. ^(1,2)

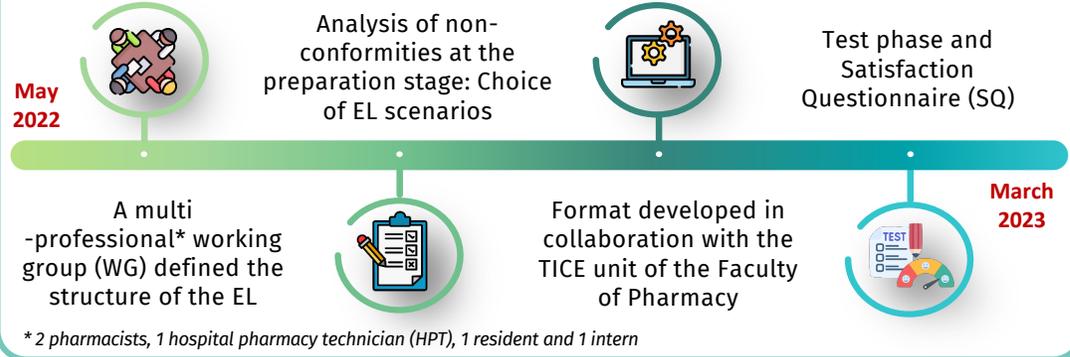
- (1) Hospital Pharmaceutical Technology Unit (UPH), Lariboisière-Fernand-Widal Hospital, AP-HP
- (2) Clinical Trials Pharmaceutical Unit (UPEC), Lariboisière-Fernand Widal Hospital, AP-HP
- (3) Information and Communication Technologies for Education Unit (TICE), Faculty of Pharmacy, Paris Cité University
- (4) Clinical Pharmacy Education Unit, Faculty of Pharmacy, Paris Cité University

Context

In our pharmacy, the preparation of an experimental injectable drug involves a **manipulator and an assistant manipulator**. There is a high turnover of personnel. Their training/accreditation is done through a mentoring system and must allow them to integrate a significant amount of new concepts in a short period of time.

OBJECTIVE : Design an e-learning tool (EL) for these operators and evaluate it after one year of use.

Material and Method



Discussion-Conclusion

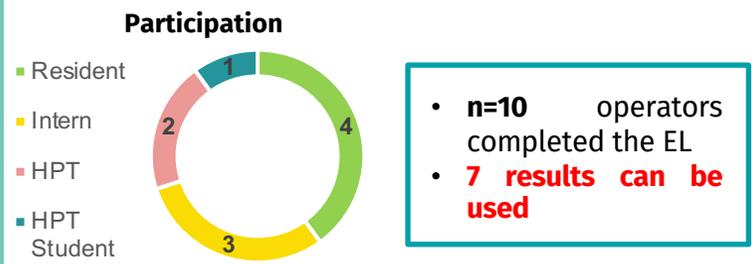
This interactive and educational tool meets the requirements of the 2023 **Good Preparation Practices**, which require the implementation of a specific training process to adapt staff knowledge and skills. The time taken to complete the course varied considerably between participants, possibly due to task interruptions. Although the development of this e-learning tool was very **time-consuming**, this training method, which was **highly appreciated** by the participants, will be maintained for the initial and ongoing training of staff. Regular updates will be necessary **as practices and regulations evolve**.

Results

e-learning design

- 4 Meetings by the WG
- 8 Chapters
- 27 Educational activities
- Rating out of 100
- Formatting with the TICE unit

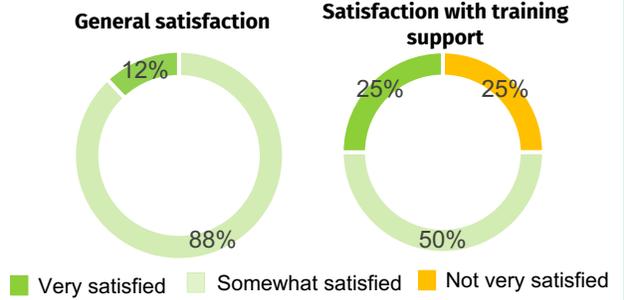
e-learning results



Average score : **84,7 ± 8,9 out of 100**

Average completion time : **77 ± 54,8 min**

SQ results



Chapters considered to be the most formative:

« Checking concordance of information »



« Environmental monitoring »

