

Setting up a fun training course on the preparation of anticancer drugs within a regional hospital group

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Introduction

- ❖ The Grand Paris Nord Est Regional Hospital Group (RHG) includes three hospitals
- ❖ Two of them have an anticancer drug production activity

Objectif

set up a continuous training plan for the preparation of anticancer drugs in intra-RHG in order to improve the territorial network and the attractiveness of the RHG by developing the skills of pharmacy technicians (PTs)

Methods

- ❖ Organization of face-to-face training sessions common to the two hospitals
- ❖ Assessment of theoretical and practical knowledge of PTs on anticancer drugs before and after the face-to-face session using a 23-question multiple-choice questionnaire
- ❖ The session included three fun workshops: "protocols and drugs used in oncology", good manufacturing practices" (GMP) and "detection of an error in a manufacturing sheet"

»Protocols and drugs used in oncology» workshop

- ❖ Group of 2-3 PTs
- ❖ Distribution of medication cards and cancer cards to each group
- ❖ **Aim:** complete the medication cards and match them with the appropriate cancer card in order to form a protocol

« GMP » workshop

- ❖ In the form of role-play: simulation of an error during manufacture by one of the PT
- ❖ **Aim:** discover the mistake made by the PT

“Detection of an error in a manufacturing sheet” workshop

- ❖ Individual workshop, inspired by the SIMMEON* study: distributing manufacturing sheets containing errors
- ❖ **Aim:** detect the errors in the manufacturing sheets

*Sarfati L, Ranchon F, Vantard N, Schwierz V, Gauthier N, He S, et al. SIMMEON-Prep study: SIMulation of Medication Errors in ONcology: prevention of antineoplastic preparation errors.

Results

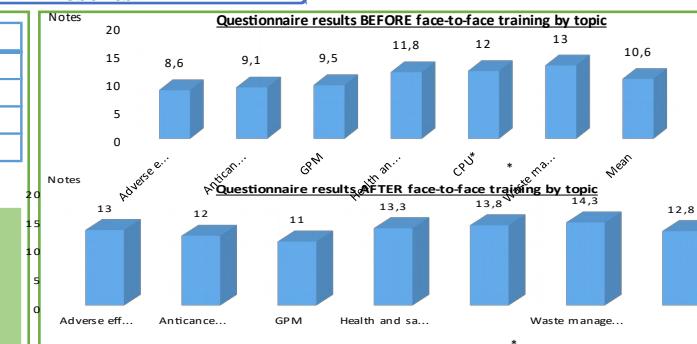
	Mean	Minimal	Maximum	Median
BEFORE the face-to-face training				
Notes	10.6	5.2	14.3	11.3
AFTER the face-to-face training				
Notes	12.8	9.1	17	12.8

Table. Notes obtained on the knowledge assessment questionnaire before and after face-to-face training session

⇒ Improved PTs knowledge after the face-to-face training

⇒ The Student test showed a significant difference between the average marks obtained before and after training ($p = 0.0001$)

⇒ Obtention d'une meilleure note après la formation pour 70% des PPH



⇒ Increase in average notes for all topics

⇒ A greater increase was observed in knowledge about: anticancer drugs (+4.4 points) and their adverse effects (+2.9 points).

*Chemotherapy production unit

Discussion-Conclusion

- ❖ The use of the questionnaire highlighted the important impact of the face-to-face training on the contribution of theoretical knowledge on anticancer drugs
- ❖ The organization of a common training session enabled an exchange of practices between the teams and fostered a common culture of quality and safety of care