

Background

Cytotoxic Reconstitution Unit (CRU) activity has increased since 2015.

Three new Hospital Pharmacy Technicians (HPTs) trained over 18 months.

In September 2023, **two bacteriological samples** from the isolator were **tested positive for environmental germs**.

→ Reassessment of the HPTs' practices.

Objectives

Review of the Hospital Pharmacy Technicians (HPTs') to determine if **the steps described in the Good Preparation Practices (GPP)** for setting up and taking out from the isolator are being **correctly carried out**.

Materials and methods

Drafting of an audit checklist using the 2022 GPP and the internal bio-cleaning procedure of the CRU

Audit of HPTs by the resident

Input of the answers into an Excel spreadsheet and analyzing of the results

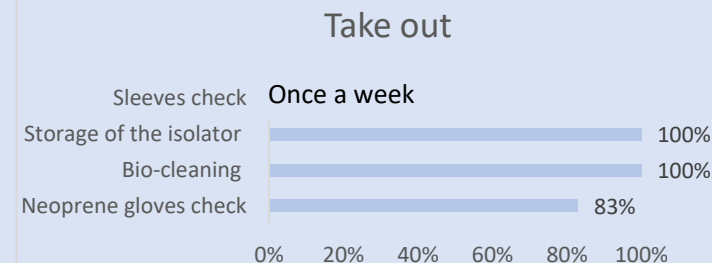
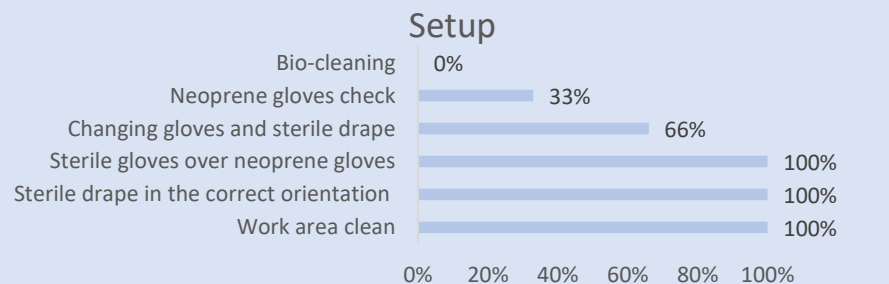
Drafting of a new procedure about setting up and taking out of HPTs from the isolator

Audit results and new procedure presentation to the HPTs

Results

Audit checklist:

- Setup: 3 items and 11 sub-items
- Take out: 3 items and 8 sub-items



Percentage results of technicians performing the task

Discussion – Conclusion

This audit enabled **to analyze HPTs' practices** during their setting up and taking out from the isolator.

Some steps were not performed despite several reminders of their importance, such as bio-cleaning and checking the integrity of the sleeves and neoprene gloves at the beginning and the end of the shift

A procedure for setting up and taking out from the isolator, **a follow-up checklist**, and **training for CRU staff** have been implemented, **in order to recall the practices and their importance**. A risk analysis was conducted with the operational hygiene team, and a procedure for handling positive samples was established.

→ **The audit will need to be repeated to ensure follow-up and limit deviations in practice.**