

Feedback : Is it useful to watch all DRUGCAM® videos before delivery ?

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Context

- DrugCam® (DC) installation in our Anti-Cancer Drug Preparation Unit (ACDPU)
 - Per process control of key steps + Scenic video recording of the preparer's movements ⇒ Securing preparation steps
- Viewing of the videos ⇒ heterogeneity among centers: before or after preparation delivery, systematically or in case of doubt/problem
 - ↳ Our ACDPU ⇒ **Heterogeneity among pharmacists** : the entire video or certain steps (anticancer injections)

Objective

Determining if the verification of the entire preparation video should be systematically performed before the preparation delivery.

Method

Period of **7 months**
Nov. 21 → June 22

Installation DC

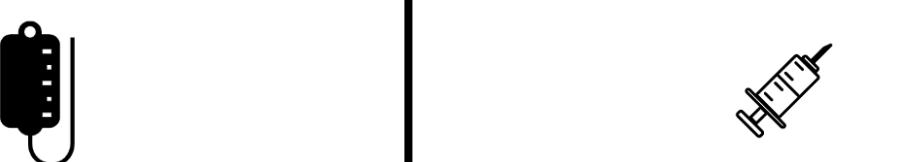
Preparations declared compliant in DrugCam®

Viewing of the videos

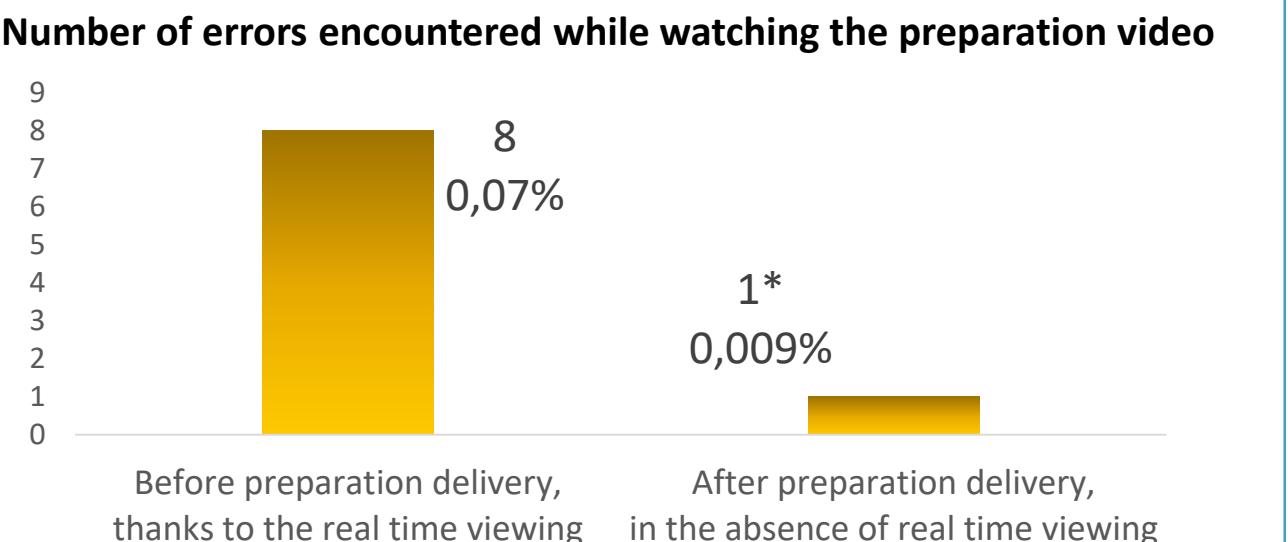
Detection of non-conformities not stopped by DrugCam® (before or after preparation delivery)

Results

10.912 preparations made



9 Errors detected by the pharmacist, not stopped by DrugCam®



Types of errors encountered while watching the preparation video

Type of error	Quantity	Description
Uncontrolled volume of anticancer or solvent	3	Injection of the sampled volume before presentation to the camera Duping of the system by presentation of a syringe filled with air
Incomplete or no final anticancer dose	3	Volume taken from the solvent bag instead of the anticancer vial, then reinjection
	1*	
Badly reconstituted a lyophilized product	1	Sampling of the dilution solvent instead of the reconstitution solvent
Wrong final concentration	1	Solvent withdrawal when an addition was expected.

* The video was viewed in its entirety after a backlog error was detected

Discussion

→ Low number of errors, but **significant consequences** for patients

→ Probable non-conformity of compliant preparations in DrugCam® + Heterogeneity of the delivery method

↳ **Probability of non-complying preparations dispensed and administered to the patient**

Conclusion

The "human" errors concern all the critical steps of the preparation
⇒ **Systematic review of the entire preparation video seems essential.**

- ✓ 2nd pharmacist in charge of reviewing the complete videos in real time
- ✓ Flowchart standardizing the procedures to be followed in the event of a forgotten volume presentation