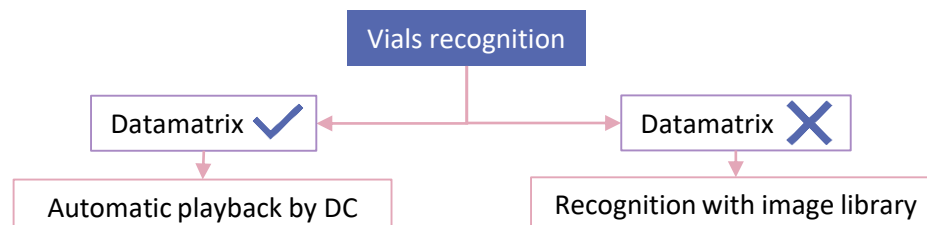


Introduction

Since 2016, the Clinical Oncology Pharmacy Unit (UPCO) has been equipped by the **DRUGCAM® (DC)** video-digital control (VDC) system to secure the preparation process and eliminate the need for double visual checks.



How does the presence of Datamatrix on vials improve the safety and efficiency of the production process for injectable chemotherapies?

Méthods

Implementation of Holoxan® Datamatrix : October 2024

Comparative analysis of Holoxan® preparation data (DC)

Collection : 2 months before + 2 months after → 372 préparations :

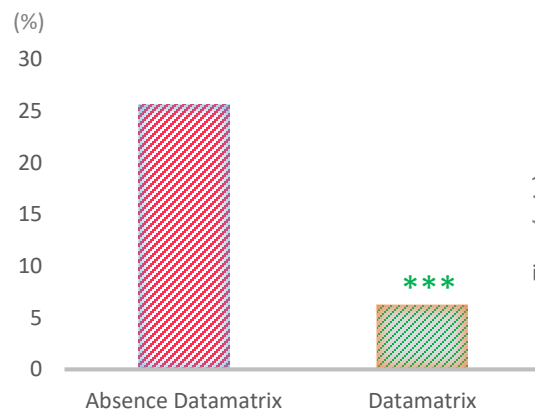
Before implementation
211 préparations

After implementation
161 préparations

- Variables analysed : Preparation time, recognition errors, release mode (batch or individual)
- Descriptive analyses and comparison tests (Chi2, Wilcoxon, univariate logistic regression) on R Studio®

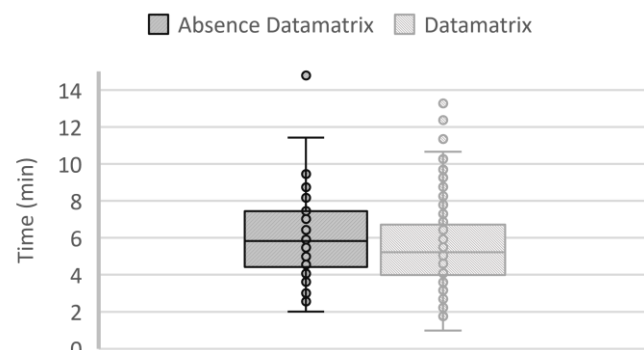
Résultats

FREQUENCY VIALS RECOGNITION ERROR



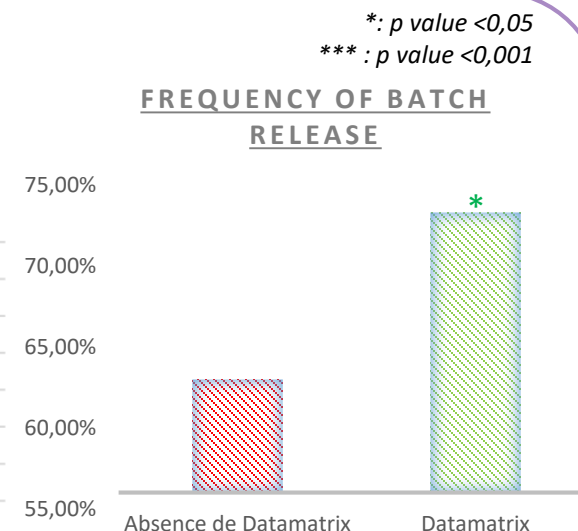
1. Vials recognition errors

COMPARISON OF MANUFACTURING TIME



2. Comparison of manufacturing time

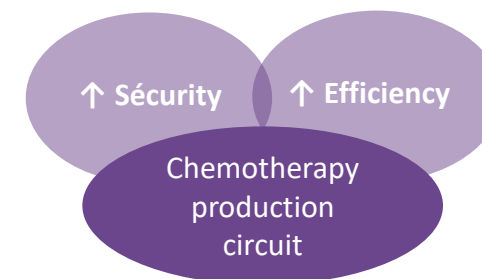
FREQUENCY OF BATCH RELEASE



3. Batch release

Conclusion

- ↘ Vials recognition errors
- ↘ Task interruptions
- ↘ Release time



Today, only 58% of the vials in our booklet are equipped with Datamatrix.