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Authors : Bodet J.<sup>(1)</sup>, Lafci G.<sup>(1)</sup>, Abele M.<sup>(1)</sup>, Villain A.<sup>(1)</sup>, Sakji I.<sup>(1)</sup>, Marliot G.<sup>(1)</sup>

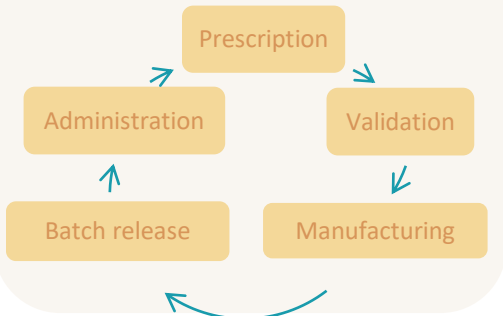
(1) : Pharmacy, Centre Oscar Lambret, Lille, France

## BACKGROUND

### Current dematerialized circuit :

CHIMIO® software → In process gravimetric control → Datamatrix reading

Tracks all stages of the chemotherapy circuit:



Computerization of all molecular data :

- Current stock
- Shelf life and method of storage of products and preparations
- Chemotherapy protocols
- + Patient medical records (PMR)

→ Ensure circuit **safety** and **traceability**

⚠ Involves a **risk of haking**: this make the circuit **vulnerable** to a CBO

## OBJECTIVES



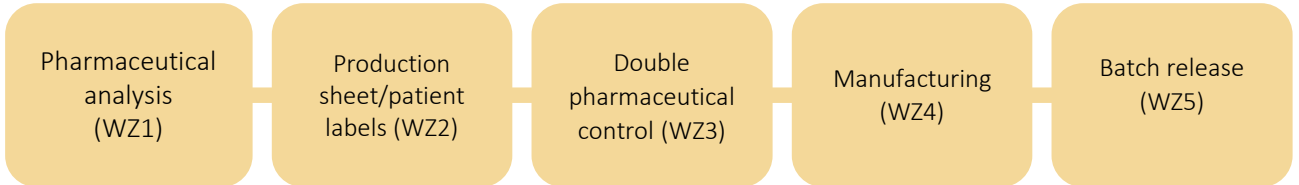
Ensuring **continuity of care** in the event of a CBO thanks to **an alternative and secure preparation circuit**

## METHODS

- Identification of **critical stages** that may be impacted by CBO
- Technical and biomedical department: **The air handling unit in the controlled-atmosphere area and the isolators functioned correctly**
- Creation of a **new detailed circuit** in the event of a CBO (General procedure + Procedures by works zones)
- Definition of **CBO specific hardware ressources** : off network computer and printer
- Definition of **human ressources**

## RESULTS

The procedure defined **5 work zones (WZ) impacted by a CBO** :



**Creating/Obtaining paper documents :**

Dilution sheets + Medical device thesaurus + Inventory sheets + Scheduler



An Excel® file containing **molecular and preparation data** (stability, storage conditions, operating procedures, and preparation devices) → **automatically generates in paper format**: a manufacturing sheet, labels, seconds labels, and a WZ3 and WZ5 stage control traceability sheet



A **USB key** containing **CT protocols, daily reports of patient medical record, Excel® files and CBO documents** is available.



**Two preparators per isolator** are required: manufacturing/double visual inspection, and data recording.



The **simulation** showed that the CBO circuit worked well and highlighted the **need to create a procedure for triggering it**.

## CONCLUSION

This anticipation work ensures the **continuity of care** and the **security of our production**. A **larger-scale simulation, including care units**, is planned to ensure **proper coordination**.

*The maximum production capacity, the reintegration of PMRs, and Fichcomp generation during the return to normal are currently being defined.*