

Background

- ✓ Approval for phase I-II clinical trials (CT) in our unit
- 📄 Increase in CT activity
- 📄 Good Preparation Practices (2022)

Process Hazard Analysis (PHA) :
pharmaceutical circuit for injectable anticancer drugs used in phase I-II-III CTs in onco-hematology

Double-blind phase I-II CT
(excluding placebo-controlled CTs, which follow a different process) : complex, as a high risk of exclusion is unblinding

Objective



Share the **corrective measures** drawn from our PHA, specific to these phase I-II CTs

Methods

Working group: 3 pharmacists



Clinical trials
Pharmacotechnics
Risk analysis



18 meetings (April 2023-May 2024)
including 3 on double-blind, placebo-free phase I-II CTs

- Identification of **hazard situations**
- Evaluation of initial (iC) and residual (rC) **criticality**
- Implementation of **corrective measures**

Results

3 phases
4 main risks
77 priority 1 HS

Organizational

Human

Computer and technological infrastructures

Technical

CT feasibility and computerized protocol drafting

Prescription

Preparation and control

No hazard situation specific to double-blind, placebo-free phase I-II CTs identified for this phase

6 HS
4 HS
10 priority 1 HS → 12 scenarios élaborés

		Severity of hazard						
		1	2	3	4	5		
Possibility of hazard	5						C1	3
	4						C2	9
	3						C3	0
	2			1	9		C3	0
	1				2			
							TOTAL	12

Initial criticality distribution

10 corrective measures grouped into 4 themes

Organization

Randomization sheet provided by CT team

Training

English-French lexicon terms related to CTs ;
training sheet on the principle of double-blind CTs

Software configuration

Fictitious unit inaccessible to prescribers;
standard wording allowing doses and INNs on the preparation sheet but not on the labels

Secure computer selection

Harmonization of computerized protocol wordings
(CT name – INN/dose – Arm – Unique CT number)

DESTINY® CR002 trastuzumab deruxetan Bios 1 PHAR 904
DESTINY® CR002 trastuzumab deruxetan Bios 2 PHAR 904

Patient label
PHARMACIE HOPITAL SAINT ANTOINE - PARIS

I - IPP : le

Serv. : ESSAI CLINIQUES en fermé ONCO - Adm. le 05/0

TaLiOs-EN AVEUGLE nom de DCI invisible Tub

NaCl 0,9 % (Vol. : 100 mL), IV sur 1 H

TaLiOs essai protocole en aveugle Nom de DC

Conservation à 4° C

Pérem. le 06/01/2022 à 12:46

Liste I - RESPECTER LES DOSES PRESCRITES

After implementing our corrective measures, no scenario had a rC ≥ 2.

Discussion/Conclusion

The implementation of our corrective measures has allowed us to **make the risks acceptable** and to secure the phase I-II double-blind, placebo-free CT circuit in our preparation unit, especially in the critical preparation stage, by **computerizing the preparation sheet in Chimio® without removing the double-blind**.

Corrective measures established for **training** are essential and need to be regularly updated..

Preparation sheet

Patient : Poids : 65 kg - Taille : 175 cm - S.C. : 179 m2 - Créat. : 0 µmol/L

Dose prescrite : 2 100,00 mg (sur 100,00 mmol/l) sur 1 Jour(s)

DCI : TaLiOs-EN AVEUGLE nom de DCI invisible Tub filtre 0.2/ RO7247668 (PD1 LAG3)

Protocole : TaLiOs essai protocole en aveugle Nom de DCI invisible Sas : Hotte flux airta Cycle 5 Jour 1

Spécialité	Dosage	Numéro lot	Vol. (mL)	Solvant	Vol à prélever (mL)	Dose utilisée
RO7247668 (PD1-LAG3) IWRS	300,0	GL0341-01-AP628140	6,00	Prêt à l'emploi	Totalité (6 mL)	300,00

		Severity of hazard						
		1	2	3	4	5		
Possibility of hazard	5						C1	9
	4						C2	0
	3						C3	0
	2						C3	0
	1							
							TOTAL	9

Residual criticality distribution