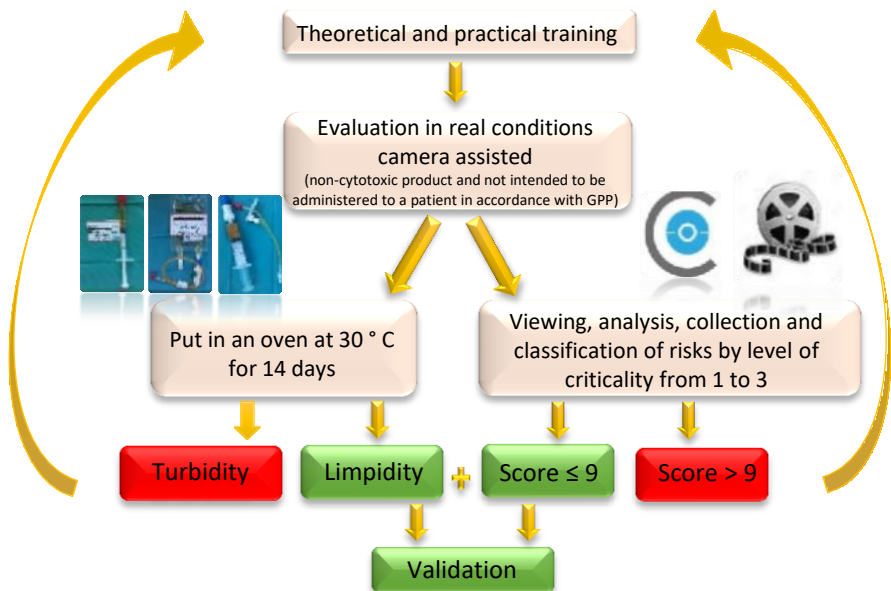


Introduction: According to good preparation practices, sterile preparation requires **specific training** for the technicians assigned to this task in order to improve their knowledge and skills. Since July 2020, our cytotoxic unit has been equipped with a **video camera to control our production**. It becomes necessary to add this control tool to the training and evaluation of our technicians.

Objectif: develop an **educational tool** for the **training and evaluation** of our technician in **real production conditions**

Material and method :



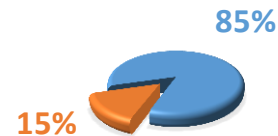
- ❑ In order to validate strict asepsis, the dilution / reconstitution solvent is a **culture medium** of the trypticase / soybean type.
- ❑ The absence of inhibition of bacterial growth is validated in accordance with **chapter 2.6.1 of the European Pharmacopoeia 10.1.4**

Results :

- **93 tests** → no bacterial growth.
- **27 technicians assessed** → 4 technicians required new training * (score > 9). These 4 technicians have all been validated in the 2nd part

4	Risque Chimique				
5	Mécaniquer la seringue sans reboucher				1
9	Compresser souillée sur le champ	1	1		
10	Noyer la PA de PA et la changer				
12	Risque microbiologique				
13	Essuyer l'aiguille				
18	Ne pas préparer le matériel avant de commencer				
19	Autres risques				
22	Percuter le flacon en l'air				
29	Multiples percuton du flacon (>2)				1
30	Vérification absence d'agregat		1		1
34	Oublis d'une étape	1		1	1
36					
37	Tres critique	0	3	3	0
38	critique	4	10	2	2
39	a revoir	1	0	2	1
40					
41	Total	5	13	7	3

SUCCESS RATE



* Consisted of watching the video of the preparation with the technician in order to highlight and explain the critical point, new training and reassessment according to the same process.

Conclusion : This tool made it possible to **train and evaluate** operators in the production of chemotherapy assisted by camera, in **complete autonomy in a real life production situation**. In the future, a protocol of **periodic reassessments** will make it possible to maintain operator authorizations and detect any deviations