

COM24-57725

Quality control issues not detected by chemotherapy video monitoring system

S. Saïdani¹, E. Lenglet¹, Y. Bouattour¹, M. Jouannet¹, P. Chennell²



27^{èmes} journées scientifiques européennes du GERPAC

¹ CHU Clermont-Ferrand, Pôle Pharmacie, F-63003 Clermont-Ferrand, France ² Université Clermont Auvergne, CHU Clermont Ferrand, Clermont Auvergne INP, CNRS, ICCF, F-63000 Clermont-Ferrand, France



Results

- 199 videos analyzed (preparations made by 12 PPH and 11 pharmacists) \rightarrow 2 % of non-compliance (4 preparations):
 - 2 preparations of **CARFILZOMIB** bags: injection of the medication without showing the volume of the solution to the camera → the manipulator "pleased" the system by showing a syringe filled with air
 - **5 FU** portable infusor preparation: underdosed, injection of solvent instead of the product (57 % of prescribed dose)
 - **BUSULFAN** preparation: polycarbonate access device (PAD) used instead of a needle and an air intake (risk of container-content interaction)



Syringe filled with 5-fu



Syringe filled with air

Discussion and Conclusion	
 The automatic error recognition system of Drugcam[®] is not 100 % reliable → it does not detect whether the syringe contains a liquid or not, only the position of the plunger Non-compliant preparations → lack of traceability: 2 CARFILZOMIB → no proof of conformity of the final product 5-FU infusor → no way the system could automatically detect this error BUSULFAN → risk of particles being released from the PAD due to the incompatibility 	 Three of these non-conformities could have been detected by: Checking the full preparation video before product release Using an analytical QC of the finished preparation Current work load → does not allow the pharmaceutical team to watch the complete videos of all the preparations checked by this system Actions taken : Remind the operators of procedures
between the polycarbonate and the excipients of the busulfan	 Presentation of these results to the unit to discuss improvements to be made