A Robot assisted compounding users club: the 2025 roadmap

COM23-10873

INTRODUCTION

For almost 20 years and the first pioneering work on the robot assisted production (RAP) of chemotherapy, robots have been installed in some hospital pharmacies. The RAP can represent a significant part of the total compounding up to 65%. Consequently, in France compounding robot users' club was created. At first, it seemed important to federate all its creative members to formalize the objectives.

This work presents the approach and the strategic project developed with the 4 robot users' centers.

CONCLUSION

The community has defined a common vision, an essential step to bring together current and future users, and launch the dynamic at the national level.

After 18 months of work, the deliverables are presented at the congress and the first evaluation of action implemented are planned for the end of 2023.

The coming meeting of the Club will take place in January 2024 in Rennes at Eugène Marquis Cancer Care Institute..

MATERIALS & METHODS

A face-to-face kick-off meeting was held on 14 and 15/12/2021 in Paris. The animation of the workshops was based on a management by value method for the definition of the strategic axes followed by a 1 workshop of reflection on the projects, and 3 project management meetings in a remote mode with Microsoft Teams of 90 minutes.
The steering committee included 4 Comprehensive Cancer Care Centers (C) with three representatives for C1, 2 for C2, 1 for C3 and 1 for C4 who were users or future users of the APOTECA Chemo robot (Loccioni) and 2 Loccioni collaborators
.
(1) https://www.afav.eu/

RESULTS - DISCUSSION

Our community has defined as a target « TO SUPPORT THE MOVE TOWARDS ROBOTIC PRODUCTION IN ONCOLOGY ».

We have defined three strategic areas: : (cf strategic MAP*)

- Build our shared quality management system for robotic production
- Evaluate and enhance the social and economic contribution of robotic production
- Contribute to open research and innovation in robotic production with our partners

The matricial strategic MAP* illutrates the relevance of the operationnal projects (vertical) decided according to the strategic objectives (horizontal). The intensity of the blue box crossing the project and the strategic objective reveals the level of coherence between the two: the darker it is the higher is the coherence. It should be outlined that the future initiative should ideally match the objectives of axis 3.

Ten Projects for 2022-2025 period were prioritized, including the assessment of the impact on operators of the introduction of the robot, the construction and assessment of shared document management and a timeline summarizing the milestones of the implementation of the robot by using a priori risk analysis approach *(COM23-53965).*

*Strategic MAP of the Users CLUB

	Supporting the move towards robotized production in oncology							
	Elaborate together our shared quality management system of robotized compounding		Evaluate and enhance the social and economic contribution of robotized production			Contribute to open research and innovation in robotized product		
	Structuring / formalizing a common framework of quality documents	Perform Network feedback within the community	Develop/reinforce cobotics	Reinforce staff training with robots	Develop new added pharmaceutical value activities	Nurture new ideas for unmet needs	Developing innovation with environmental, financial and social impact	Participate in innovation through national and European networks
Shared digital documentation platform	9	9	6	9				3
Pharmacist technician robot piloting	3	3	9	9	9	6	3	3
Risk analysis of robot production	9	9	3	3		6	3	3
Production robots and human	6	6	9	3		3	6	6
Community on the road		9	6	3	9	9	6	9
Production robot optimisation (syringe/ped)		3	6		6		3	3
Certification training	9	3	6	9	3		3	6
Intersite feedback (Casemix)	6	9	6	6		6	3	6
Staff exchange inter_hospital	3	9	6	6	3	3	3	6
Piloting with metrics	6	6	3	3			6	6

Assia MITHA[1], Claude BERTRAND[2], Pierre COLIAT[3], Ilyes SAKLI[4], Danielle PREBAY[3], Sacha CASSATELLA[5], Michele BASTIANELLI[5], Hail ABOUDAGGA[1], André RIEUTORD[1]

[1] Département de Pharmacie Clinique, Gustave Roussy, Villejuif, France, [2] Département de Pharmacie, Centre Eugène Marquis, Rennes, France, [3] Service Pharmacie, Institut de Cancérologie Strasbourg Europe, Strasbourg, France, [4] Service Pharmacie, Centre Oscar Lambret, Lille, France, [5] Loccioni, Rosora , Italie