



SESSIONS AND WORKSHOPS ON:  
**AUTOMATION IN RECONSTITUTION  
AND PRODUCTION OF MEDICINES**  
**BEDSIDE DISPENSING SERVICES  
AND PHARMACEUTICAL CARE**

**Overview: Automation in reconstitution and production of medicines**

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### **Abstract**

The centralized production of medicines in hospital pharmacies continues to increase for cancer treatments but also for non-toxic treatments. Year after year to secure and improve human and social performance, robotization or the use of automation has gained momentum in pharmacies. It is a paradigm shift that requires reviewing the usual production processes in place.

This presentation aims to provide an overview of robot compounding advances in hospital pharmacies and list the points to consider when choosing, installing and implementing robotic production in the best conditions.

### **Learning objectives**

After the session, the participant should be able to:

- List the current and future needs of hospital compounding
- Describe the features of assisted robot compounding
- List the prerequisites for IV compounding

### **Educational need addressed**

Describe the coming challenges of automation for compounding IV medicines

Recognize key steps when implementing automation for compounding

### **Keywords**

Automation, compounding, medicines, hazardous drugs, perfusion, non-hazardous drug