

DEVELOPMENT OF A TRAINING VIDEO LIBRARY FOR HOSPITAL PHARMACY:



EXPERIENCE IN A TERTIARY HOSPITAL



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30th Congress of the EAHP (Barcelona 2026)

BACKGROUND AND IMPORTANCE

Hospital pharmacy training includes complex technical procedures (sterile preparations, parenteral nutrition, cytotoxics, automated dispensing, logistics).

Training variability may lead to errors and reduced adherence to protocols.

A standardized and easily accessible educational tool was needed to improve training consistency, safety, and efficiency.

METHODS.

Educational videos were developed following detailed technical and regulatory scripts based on internal protocols.

Video content included:

Sterile preparations: intravitreal injections, analgesia pumps, intrathecal preparations, ophthalmic solutions, subcutaneous and intravenous repackaging

Parenteral nutrition: adult and neonatal

Cytotoxics: IV, subcutaneous, chemoembolization particles, elastomeric devices, intrathecal preparations

Laminar flow cabinet: quick operation guide

Pharmacy software: mixtures, nutrition, cytotoxics

Automated dispensing systems: Athos, carousels, outpatient robot

Logistics management: order creation, release, and forecasting

Validation: Reviewed by pharmacists and residents.

Implementation:

Videos uploaded to the hospital's internal shared platform with controlled access.

Evaluation:

User satisfaction surveys and monitoring of procedure execution.

AIM AND OBJECTIVES

Aim:

To design and implement a structured training video library for key technical processes in hospital pharmacy.

Objectives:

Standardize technical training

Improve resident confidence

Provide rapid access to validated procedures

Support patient safety and workflow efficiency

RESULTS

After one year of implementation:

85% of users reported improved learning and knowledge retention

100% of residents reported increased confidence performing procedures

Improved standardization of training and rapid access to updated resources

CONCLUSION AND RELEVANCE

The training video library is a valuable educational tool in hospital pharmacy.

It effectively complements supervised hands-on training, enhances standardization, and supports safety and efficiency.

This model is replicable in other hospital pharmacy departments and may contribute to improved quality of pharmaceutical care.

REFERENCES AND/OR ACKNOWLEDGEMENTS

Special thanks to pharmacy staff and residents for their feedback and collaboration in developing and improving the video library.

