

EDUCATIONAL VIDEOS FOR TRAINING HOSPITAL PHARMACY STAFF IN STERILE COMPOUNDING: A PRACTICAL INITIATIVE

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Background and importance

Training in hospital pharmacy demands precision, continuous updating, and strict compliance with safety and quality standards. Traditional face-to-face teaching has been limited by instructor availability and the variability of prior preparation, making it challenging to ensure a consistent skill level among staff.



Aim and objectives

A practical initiative was developed: Concise educational videos focusing on critical compounding techniques in sterile settings. This approach aims to provide an innovative, accessible, and effective educational tool for pharmacist with basic prior training



Materials and methods

Most common topics were selected



Cytotoxic drug handling



Parenteral nutrition



Ophthalmic solutions



Intravitreal injections



16 pharmacists completed pre- and post-viewing questionnaire



17 short videos were produced

Results

Before watching the videos, participants reported an average score of 2.7 (± 1.45 Standard deviation (SD)) over 5. The weakest areas were ophthalmic preparations and intravitreal injections, where confidence was low.

After viewing, scores increased substantially, reaching averages close to 4.5 (± 0.81 SD). Pharmacists reported greater clarity in the steps required for laminar flow cabinet work and improved confidence in preparing ophthalmic solutions, intravitreal injections, and parenteral nutrition, even in on-call situations

Conclusion and relevance

Educational videos proved to be an effective strategy to strengthen knowledge, enhance safety, and standardize hospital pharmacy practices. Given their versatility, low cost, and transferability, they represent a good practice model applicable to other hospitals that may serve as the first step toward a more comprehensive online training program for new staff without prior knowledge



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