

# Designing a 360° immersive virtual reality tool for training in infusion set-up

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Creation of a 360° virtual reality digital tool, using a fun format based on learning through mistakes. Specifically designed for novice healthcare professionals with a focus on pharmaceutical teams.

What was done?



Errors in infusion set-up are common and can have serious consequences on patient care, therefore adhering to best practices is essential to reduce risks.

Comprehensive training for healthcare professionals on both proper techniques and procedures, is crucial to ensure safe and effective infusion management.

A digital navigating environment is suitable for mobile use and enhances interactivity between the trainer and the learners.

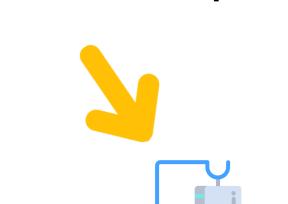
### How was it done?



### 9 pharmacists from 8 different hospitals



Simulation expertise



Infusion management expertise





Guidelines from Learned Societies





Selection of the most frequently infusion set-



Creation of an illustrated presentation





Online Learning Management System platform

#### Divided in 3 subgroups









Reviewing (1)



up errors

# What has been achieved?

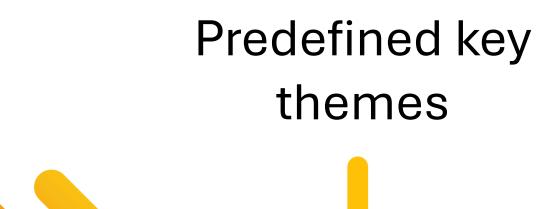
Creation of a virtual pathway designed in 3 different environments



Postoperative recovery room











Clickable elements were created as Points of Interest (POIs)

# **Creation of 12 POI**



Each POI contains 3 Multiple Choice Questions (MCQ) Total of 25 MCQ

Each POI is illustrated with photos or videos







An explanative slide is provided after each MCQ

# What's next?



This training tool will be tested under real-life conditions at a national pharmacy congress. It will be approved by a panel of experts and learned societies, then assessed by trainers and learners, so that it can find its place in training programs for all healthcare professionals involved in infusion set-up management.

