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Use of video lessons to disseminate knowledge of patient safety during infusion therapy: reported experiences

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Introduction: Patient safety is characterized as a series of actions aimed at preventing and minimizing harm or potential complications associated with healthcare practices.⁽¹⁾ Health care education is an important tool in promoting patient safety since it aims to raise individual and collective awareness among professionals that completed their studies or are currently undergoing training. Information and Communication Technologies have allowed professionals to disseminate content for educational purposes, as well as provided for self-learning via the Internet, thereby reinforcing best care practices.⁽²⁾ **Objectives:** Present production of five educational videos describing situations involving the implementation of infusion therapy among hospitalized patients. **Methods:** Experience report on the production of educational videos describing techniques applied to safe infusion therapy in a hospital environment. The respective methodological pathway consists of three phases: pre-production (scripting), production (video recording and editing) and post-production (uploading to digital platform and monitoring reach). A script was

prepared in order to demonstrate situations related to infusion therapy, namely: the flushing technique,⁽³⁾ flow and reflux test,⁽⁴⁾ use of 3-way taps,⁽⁵⁾ Scrub the hub⁽⁶⁾ and administration of multiple intravenous drugs.⁽⁷⁾ Videos were posted on March 29, 2024, and results were evaluated throughout April and May 2024. The content of the videos was based on the manual Infusion therapy standards of practice published by the Infusion Nurses Society in 2021 (8th edition).⁽⁸⁾ **Results:** After production, videos were published on the Zenodo⁽⁹⁾ platform and received total of 143 views and 33 downloads over a two-month period, as shown in figure 1. **Conclusion:** The use of video lessons allows knowledge to be disseminated among people located in different areas by facilitating access and the sharing of materials. The existence of free platforms for making content available may favor access to such materials. Further studies are recommended to assess the impact of each video on individual learning processes.

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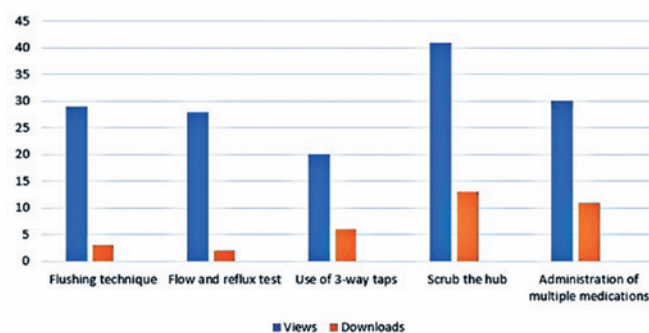


Figure 1. Reach of video lessons in terms of views and downloads via the platform Zenodo