OPP: HEALTH & SELF ESTEEM

Validation of audiovisual educational gerontotechnology for older adults with chest pain J. G. Silva & S. E. Betiolli

Purpose Information and educational technology into health for older adults plays a crucial role to enhance their quality of life and promote social inclusion (Paho, 2023). The aim of this study was to evaluate an educational gerontotechnology as a guide for chest pain treatment in emergency health services. Considering chest pain one of the most frequent complaints in urgent and emergency services (Miranda; Rampalliotti, 2019), the objective of the study was to validate the content of an audiovisual educational gerontotechnology related to the care of older adults complaining of chest pain in the urgency and emergency service. Method A methodological research was conducted in southern Brazil to develop audiovisual educational gerontechnology. The stage presented corresponds to the content validation of the gerontechnology script, developed based on an integrative literature review (Mendes; Silveira; Galvão, 2008) using the Medical Literature Analysis and Retrieval System Online (MEDLINE) databases, Scientific Electronic Library Online (Scielo) and Nursing Database (BDENF), as well as other SciVerse (SCOPUS) and National Library of Medicine databases at the National Institutes of Health (PubMed). The proposed script was evaluated by expert judges, according to inclusion criteria: be a nurse; with expertise about gerontology and/or urgency and emergency; and present professional experience, authority on the subject, skill in the type of study or qualification in a specific test (Jasper, 1994). It was an exclusion criterion to partially respond to the questionnaire. Recruitment was carried out by searching for teaching staff from the Undergraduate Nursing courses with the best evaluation by the Brazilian Ministry of Education. One hundred and three (n=103) professionals were invited, however, the final sample consisted of 20 participants. The invitation letter was sent via email; in addition, the Free and Informed Consent Form approved by the local Ethics Committee; the questionnaire to characterize the profile of expert judges; the video script; and the structured questionnaire for content validation (Leite, et al, 2018), in electronic format (Google Forms®) (Figure 1). The questionnaire contained 12 guestions related to the proposed gerontotechnology, with space for suggestions and criticisms, using a Likert scale: 1- completely disagree, 2- partially disagree, 3- partially agree and 4- totally agree. Results and Discussion The majority of participants were female (n=19; 95%), aged between 30 and 40 years old (n=18; 90%), who work professionally in the southern region of the country (n=18; 90%) and had specialization (n=18; 90%). Professional practice in the hospital area predominated (n=17; 85%), with experience in urgency and emergency (n=15; 75%), with more than five years in this specialty (n=13; 65%). The Content Validity Index resulted in a final average of 0.92. Considering the minimum acceptable value of 0.80, the educational gerontotechnology script was considered adequate and validated. All the judges' suggestions were accepted, aiming to make educational gerontotechnology more accessible to the target audience (older adults with chest pain). The video was subsequently developed, evaluated by the target audience and was considered appropriate. It was made available on the YouTube® Platform and should be broadcast in the city's health services, enabling content replication.

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PART OF THE EDUCATIONAL VIDEO SCRIPT SENT TO SPECIALIST JUDGES FOR VALIDATION OF HEALTHCARE CONTENT, BRAZIL, 2023

SCENES	LETTERING	NARRATION
Scenario 1 (Living room of Mr João's house)	Chest pain	Mr. João felt a pain in his chest after lunch
It shows a distressed Mrs. Maria, Mr. João sitting on the sofa looking in pain, with his hand on his chest. Then, Mrs. Maria on the phone with a worried expression.	Call ambulance 192 (Brazil)	and Mrs. Maria thought it best to take him to the Emergency care unit.
Highlight the image of a telephone and the number 192.		
Scenario 2 (Ambulance on the way to Emergency care unit)		
The ambulance will appear arriving at the Emergency care unit		
Scenario 3 (Emergency care unit - emergency room) João is in bed, with peripheral venous	Protocol Chest pain	As the main complaint is chest pain, the team will follow the chest
access punctured with saline solution, monitored (blood pressure with cuff, oximeter on his finger, axillary thermometer) and the team explains the procedure (characters talk and gesture).	Monitor patient; Electrocardiogram examination; Blood collection; Assessment and conduct.	pain protocol, which includes monitoring, electrocardiogram, blood tests and evaluation.

Script template sent to speciallist judges

QUESTIONNAIRE APPLIED TO SPECIALIST JUDGES TO VALIDATE CONTENT OF THE AUDIOVISUAL EDUCATIONAL GERONTOTECHNOLOGY' SCRIPT. BRAZIL, 2024.

Read the items and indicate your assessment: Totally disagree; Partially disagree; I partially disagree; I partially disagree and I totally disagree.

please specify which items in the script should be appropriate, followed by suggestions and criticisms.
CONTENT
1. The objective is evident in the content
2. The content addresses behaviors for health promotion and disease prevention
3. The content is focused on the objective
4. The content highlights key points for health promotion and disease prevention
UNDERSTANDING THE CONTENT
4. The content requires some level of education to understand the objective
The conversational style (narration is conducted in active voice
Uses vocabulary with common (understandable) words
7. Context is presented before introducing new information
STIMULATION/MOTIVATION FOR LEARNING

- 9. Encourages interaction with the viewer
- 10. The guidelines are specific and give examples
- 11. There is motivation to change behavior

 12. There is motivation for self-efficacy, the viewer's ability to reproduce the guidance given)

 SOURCE: (LEITE, et al., 2018).

Health Educational Content Validation Instrument from the audiovisual gerontotechnology script by specialist judges

Figure 1. Overwiew of validation of audiovisual educational gerontotechnology for older adults with chest pain