

FleboCardGame: gamifying phlebitis assessment to improve peripheral intravenous catheter safety

Authors: Acássio Ferreira de Holanda, Victor Thierry Martins Lopes, Ana Caroline Cesário, Julyana Gomes Freitas

Institution: Centro de Ensino e simulação e Saúde

Introduction

The use of educational games in health education has proven to be a tool that encourages creativity and clinical reasoning among students and professionals in the field. Due to its effectiveness in teaching, games are relevant to people's daily lives, as they encourage teamwork and decision-making.

Objective

This study aims to describe the development of an educational technology for teaching and learning about the phlebitis scale.

Methods

This methodological study focuses on the development of an educational game that, firstly, through bibliographic research, evaluated available publications on the subject. Subsequently, information from the studies was extracted to develop the most appropriate content, and with the help of a graphic designer, the illustrations and game design were created.

Results

Clinical signs No symptoms Clinical signs	Score 0 Score	Classification No Phlebitis Classification	Clinical signs Pain, erythema, striae and palpable cord and purulent drainage Clinical signs	Score 4 Score	Classification Onset of thrombophlebitis Classification
Clinical signs Erythema with or without pain Clinical signs	Score 1 Score	Classification Possible phlebitis Classification	Clinical signs Pain, erythema, striae and palpable cord Clinical signs	Score 3 Score	Classification Phlebitis in progression Classification
Clinical signs Erythema, pain and/or edema Clinical signs	Score 2 Score	Classification Beginning of phlebitis Classification			

Conclusion

The game is finished when three sets of three are formed in the same suit. Educational technology proves to be a suitable tool to assist in teaching and learning about the phlebitis scale, as it is an important indicator of the quality of care provided and is intrinsically related to patient safety.