



PhD in Biomedical Sciences

Research Area: Health Education

Title: Implementation and Evaluation of Video-Case-Based Learning Methodologies
- Integrated Cross-Sectional Application in Undergraduate Dental Education

There is currently a demand for curriculum transformation in Higher Education, particularly in Health and, specifically, in the medical field. Emerging technologies, by allowing ubiquitous links between individuals, content and digital/intelligent objects, in addition to enhancing learning, have created new teaching-learning dynamics, where students have different needs depending on the specific area of training.

Contact with patients is one of the particularities of medical education. With the advent of the global pandemic that we are currently experiencing and the physical closure of Higher Education Institutions, it becomes necessary to analyze, explore and implement strategies that allow the development of clinical competences, even in a situation of distance learning.

The Case-Based Learning method is a pedagogical approach used in medical sciences, with pre-clinical and clinical application, which uses real cases as a bridge between theory and practice. Video resources are the main pedagogical tool used in this method, namely in an online context, with evidence of high efficiency.

Based on the premises previously explained, this project intends to implement a cross-sectional strategy of cumulative, integrated and articulated training, throughout the curriculum of a course, using the Case-based Learning method online, with Live-Patient Encounters videos, recorded in a real environment.

Keywords: Health Education; e-Learning; Innovation in Teaching; Clinical Teaching

Publications

<https://doi.org/10.3390/healthcare9040420>

<https://doi.org/10.3390/vaccines9060566>

<https://doi.org/10.3390/vaccines9101158>

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