

Accepted Manuscript

Health Education and Symptom Flare Management Using a Video-Based m-Health System for Caring Women with IC/BPS

Ming-Huei Lee , Huei-Ching Wu , Chien-Ming Tseng ,
Tsung-Liang Ko , Tang-Jun Weng , Yung-Fu Chen

PII: S0090-4295(18)30547-8
DOI: [10.1016/j.urology.2018.05.027](https://doi.org/10.1016/j.urology.2018.05.027)
Reference: URL 21070

To appear in: *Urology*

Received date: 19 January 2018
Revised date: 7 May 2018
Accepted date: 16 May 2018

Please cite this article as: Ming-Huei Lee , Huei-Ching Wu , Chien-Ming Tseng , Tsung-Liang Ko , Tang-Jun Weng , Yung-Fu Chen , Health Education and Symptom Flare Management Using a Video-Based m-Health System for Caring Women with IC/BPS, *Urology* (2018), doi: [10.1016/j.urology.2018.05.027](https://doi.org/10.1016/j.urology.2018.05.027)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Health Education and Symptom Flare Management Using a Video-Based m-Health System for Caring Women with IC/BPS

Ming-Huei Lee^{1,4,8}, Hwei-Ching Wu⁴, Chien-Ming Tseng¹, Tsung-Liang Ko^{2,5}, Tang-Jun Weng², Yung-Fu Chen^{2,3,6,7,*}

¹Department of Management Information Systems, Central Taiwan University of Science and Technology, Taichung, 40601 Taiwan

²Department of Healthcare Administration, Central Taiwan University of Science and Technology, Taichung, 40601 Taiwan;

³Department of Dental Technology and Materials Science, Central Taiwan University of Science and Technology, Taichung, 40601 Taiwan

⁴Department of Urology, Feng Yuan Hospital, Ministry of Health and Welfare, Taichung, 42055 Taiwan;

⁵Computer Center, Feng Yuan Hospital, Ministry of Health and Welfare, Taichung, 42055 Taiwan;

⁶Department of Health Services Administration, China Medical University, Taichung, 40402 Taiwan

⁷Department of Electrical and Computer Engineering, Brigham Young University, Provo, 84602 Utah, USA

⁸Department of Urology, Taichung Hospital, Ministry of Health and Welfare, Taichung, 40343 Taiwan;

*Corresponding authors

Yung-Fu Chen Ph.D., Department of Dental Technology and Materials Science, Central Taiwan University of Science and Technology

Address: 666 Buzih Road, Beitun District, Taichung 40601, Taiwan

Phone: +886-4-22391647 ext. 7285

Email: yfchen@ctust.edu.tw

Abstract

Objective: To assess effectiveness of the video-based m-health system providing videos dictated by physicians for health education and symptom self-management for patients with IC/BPS.

Methods: An m-health system was designed to provide videos for weekly health education and symptom flare self-management. O'Leary-Sant index and VAS scale as well as SF-36 health survey were administered to evaluate the disease severity and quality of life (QoL), respectively. A total of 60 IC/BPS patients were recruited and randomly assigned to either control group (30 patients) or study group (30 patients) in sequence depending on their orders to visit our urological clinic. Patients in both control and study groups received regular treatments, while those in the study group received additional video-based intervention. Statistical analyses were conducted to compare the outcomes between baseline and post-intervention for both groups. The outcomes of video-based intervention were also compared with the text-based intervention conducted in our previous study.

Download English Version:

<https://daneshyari.com/en/article/10997602>

Download Persian Version:

<https://daneshyari.com/article/10997602>

[Daneshyari.com](https://daneshyari.com)