

Health Care System to Assist Cancer Patients for their Treatment at their Home – Android-Based Application

Yukta Manohar Jadhav

Students, Department of MCA

Late Bhausaheb Hiray S S Trust's Hiray Institute of Computer Application, Mumbai, India

Abstract: *The application is an attempt to help patients to get services from the comfort of their homes by using digital technology in the medical sector. We have a thought to create one treatment-based system, which is a mobile application for patients to get treatment easily due, to the recent advances in science as well as the need for improving the lifestyle of patients. As the use of mobile technology is increasing day by day, we have elected to study a mobile-based application to help cancer patients. Just by registering with the application one can get the Chemotherapy treatment from their home also in order to book an appointment for their nearest hospital and professional health workers will be available there for the treatment and monitoring of the patient's health. This application also provides real-time updates to patients and advises them regarding the actions they need to take without the need to go to a hospital or visit their doctor/physician.*

Keywords: Chemotherapy, android application, Cancer treatment, Support

REFERENCES

- [1]. Miss Drishty Sobnath, Dr Nada Philip, Dr Reem Kayyali, Dr Shereen Nabhani-Gebara “Cancer Support & Advice (CANadvice) mhealth system for home monitoring and symptom management of patients receiving oral chemotherapy treatment”
- [2]. Doris Howell, BS, and RN “Usability Evaluation of a Mobile Phone–Based System for Remote Monitoring and Management of Chemotherapy-Related Side Effects in Cancer Patients: Mixed-Methods Study”
- [3]. Timóteo Matthies Rico & Karina dos Santos Machado & Vanessa Pellegrini Fernandes&SamantaWinck Madruga & Patrícia Tuerlinckx Noguez & Camila Rose Guadalupe Barcelos & Mateus Madail Santin& Cristiane Rios Petrarca & Samuel Carvalho Dumith “Text Messaging (SMS) Helping Cancer Care in Patients Undergoing Chemotherapy Treatment: a Pilot Study”
- [4]. Emilia Bielli, Fabio Carminati, Stella La Capra, Micaela Lina, Cinzia Brunelli and Marcello Tamburini “A Wireless Health Outcomes Monitoring System (WHOMS): development and field testing with cancer patients using mobile phones”
- [5]. Joel Nathan Fishbein, BA; Lauren Ellen Nisotel, BS; James John MacDonald, BA; Nicole Amoyal Pensak, PhD; Jamie Michele Jacobs, PhD; Clare Flanagan, BA; Kamal Jethwani, MPH, MD; Joseph Andrew Greer, PhD “Mobile Application to Promote Adherence to Oral Chemotherapy and Symptom Management: A Protocol for Design and Development”
- [6]. Birgitta Lindberg, Carina Nilsson, Daniel Zotterman, SivSöderberg, and Lisa Skär “Using Information and Communication Technology inHome Care for Communication between Patients, FamilyMembers and Healthcare Professionals: A Systematic Review”
- [7]. Xiomara Skrabal Ross, Kate M Gunn, MCLin, Pandora Patterson, Ian Olver “Mobile-Based Oral Chemotherapy Adherence–Enhancing Interventions: Scoping Review”
- [8]. Joel Nathan fishbein, Lauren Ellen Nisotel, James John MacDonald, Nicole Amoyal Pensak, Jamie Michele Jacobs, Clare Flanagan, Kamal Jethwani, Joseph Andrew Greer “Mobile Application to Promote Adherence to Oral Chemotherapy and Symptom Management: A Protocol for Design and Development”