## **Table of Contents**

Usage of E-Health Services in Health Institutions and Opinions of Patients  Merve Deniz Pak, Andac Anildi, and Meric Yavuz Colak	1
Studies on the Use of Electrolyzed Water as a Disinfectant at Home Care Koichi Umimoto, Aki Kamada, Masahiro Miyata, Syunji Nagata, and Junichiro Yanagida	5
Timeline-based Clinical Case Manager Cristian Taslitchi, Florica Moldoveanu, Alin Moldoveanu, and Alexandru Egner	8
The Implementation of Teledentistry for Pediatric Patients  Rodrigo Marino, David Manton, Parul Marwaha, Kerrod Hallet, Ken Clark, Matthew Hopcraft, Michael  McCullough, and Ann Borda	14
Introducing a Patient-Centered e-Health Record Over the Cloud Konstantinos Koumaditis, Marinos Themistocleous, George Vassilacopoulos, Andriana Prentza, Flora Malamateniou, Dimosthenis Kyriazis, and George Pittas	20
Sono-Contrast Spectroscopy for Cancer Virtual Biopsy in LMIC Settings  Yan Yu and Lydia Liao	25
New Approach to Information Extraction from X-ray Plates Ivan Evg. Ivanov, Vesselin Gueorguiev, and Desislava Georgieva	31
A Future Strategy Towards Smoking Cessation: Persuasive Multimedia Application (PMA) in Strengthening Motivation towards Smoking Prevention and Cessation Wan Ahmad Jaafar Wan Yahaya, Rosli Che Din, and Munira Hashim	37
An Objective Program for the Evaluation of Medical Equipment for Updates and Maintenance Hassan Khachfe, Mona Aridi, Bassam Hussein, and Mohamad Hajj-Hassan	42
Modelling and Simulation of Mechanical Behaviour of an Ultra-Long Porous Silicon Neural Microelectrode Hassan Khachfe, Rayan Fayad, Soumaya Berro, Bakri AbdulHay, Houssein Hajj-Hassan, and Mohamad Hajj-Hassan	50
Standards for Medical Information Interchange  Dimitar Tcharaktchiev, Ivan Evgeniev Ivanov, and Vesselin Gueorguiev	55
An Optimized Research Process for Real-time Drug Response Analysis  Matthieu-P. Schapranow, Konrad Klinghammer, Cindy Fahnrich, and Hasso Plattner	60
Probing the Inflammatory Pathways Associated With Increased Levels of Oxidized LDL Through the Structural	67

## Analysis of B17

Hassan Khachfe, Soumaya Berro, Bassam Hussein, Mohamad Hajj-Hassan, Bassam Hamam, and Wiam Ramadan

A Health VC for Chronic Disease Management in a Global Context  Christo El Morr, Shadi Saleh, Walid Ammar, Nabil Natafgi, and Karen Kazandjian	71
The Development of Action Model that Integrate Tuberculosis Case Detection and Completeness of Treatment through Women Empowerment at District Level in Indonesia Indang Trihandini, Poppy Yuniar, and Sutiawan Sutiawan	76
Constituting a Model for Obesity Control: Possible Experience From the WHO Framework Convention on Tobacco Control  Xiangcheng Wang and Tao Sun	81
Effect of Chlorpyriphos Exposure during Development on Skeletal and Smooth Muscles in Juvenile and Adult Rats  Hassan Khachfe, Walaa Darwiche, Stephane Delanaud, Veronique Bach, Jerome Gay-Queheillard, Wiam Ramadan, and Wissam Joumaa	89