

Table of Contents

Utilizing Smartwatches for Supporting the Wellbeing of Elderly People <i>Klemens Waldhor and Rainer Lutze</i>	1
Serious Games for Rehabilitation: Requirements for a Collaborative Environment <i>Hugo Barbosa, Antonio Castro, and Eurico Carrapatoso</i>	10
CIPROS – An Instrument for Evidence-based Evaluation of EDC Systems and the DBFORM Example <i>Doris Lindoerfer, Thomas H. Muller, Kathrin Halfter, and Ulrich Mansmann</i>	16
Graphical Bioinformatics – a Tool for the Characterization of Influenza Viruses <i>Dorota Bielinska-Waz and Piotr Waz</i>	24
New Mathematical Description of the Zika Virus Genome <i>Piotr Waz and Dorota Bielinska-Waz</i>	26
Identifying Influential Factors of Patient Length of Stay in a Surgery Center: a Simulation Modelling Approach <i>Chen Zhang, Hamza Hanchi, and Sebastiaan Meijer</i>	28
Towards a Smart Dental Healthcare: An Automated Assessment of Orthodontic Treatment Need <i>Seiya Murata, Kobo Ishigaki, Chonho Lee, Chihiro Tanikawa, Susumu Date, and Takashi Yoshikawa</i>	35
Evaluation of the Malfunctions of a Clinical Decision Support System Dependent on Electrocardiograms and Measurement of the QT Interval <i>Pedro Caraballo, Christopher Aakre, Tito Pena Guzman, Natalia Lazik, Robert Tarrell, J. Martijn Bos, and Michael Ackerman</i>	40
Detecting Agitation Onset in Individuals with Dementia Using Smart Phone Sensors <i>Christianne Fowler, Ajay Gupta, Kurt Maly, Karen Karlowicz, Maheedhar Gunnam, Rohila Gudipati, Mahesh Kukunooru, and Rahul Rachamalla</i>	42
Analysis of Medical Records Management in Brazilian Basic Healthcare Units: A Qualitative Approach <i>Rodolfo Barriviera, Carlos Maziero, and Celita Trelha</i>	46