

Table of Contents

Identifying Key Factors in Right Ventricular Involvement in Ischaemic and Non-ischaemic Cardiomyopathies <i>Carlos Barroso-Moreno, Hector Espinos Morato, Enrique Puertas, Juan Jose Beunza Nuin, Jose Vicente Monmeneu, David Moratal, and Maria P. Lopez-Lereu</i>	1
Biomechanical Perspective on Effect of Angle in Arm Swing Movement on Vertical Ground Reaction Force for Gait Improvement <i>Sota Miura and Kyoko Shibata</i>	9
Identification of Factors Guiding Treatment Decision in Oncology by Rapid Data Insights Using AI and XAI — a Pilot Study on Real-World Data <i>Holger Ziekow, Norbert Marschner, Dunja Klein, Benjamin Kasenda, and Nina Haug</i>	13
Attempt for Estimation of Vertical Ground Reaction Force by Deep Learning with Time Factor from 2D Walking Images <i>Takeshi Mochizuki and Kyoko Shibata</i>	22
Dataset, Usability and Process - Developing an Interdisciplinary, Multi-modal Data Collection Tool and Platform for a Rare Disease <i>Sinead Impey, Jonathan Turner, Frances Gibbons, Anthony Bolger, Gaye Stephens, Lucy Hederman, Ciara O'Meara, Ferran De La Varga, John Kommala, Matthew Nicholson, Daniel Farrell, Emmet Morrin, Miriam Galvin, Mark Heverin, Eanna Mac Domhnaill, Robert McFarlane, Dara Meldrum, Deirdre Murray, and Orla Hardiman</i>	26
Medication Adherence Prediction for Homecare Patients, Using Medication Delivery Data <i>Ben Malin, Tatiana Kalganova, Ejike Nwokoro, and Joshua Hinton</i>	30
A Review on XR in Home-based Nursing Education <i>Yan Hu, Prashant Goswami, and Veronica Sundstedt</i>	39
Promotion of Wellbeing in Japanese Culture using Positive Computing <i>Isabel Schwaninger and Sissi Zhan</i>	44
A Secure Blockchain for Electronic Health Records <i>Jihad Qaddour and Kanz Ul Eman</i>	55
HealthSonar: A System for Unobtrusive Monitoring of Elders and Patients with Movement Disorders <i>Adamantios Ntanis, Spyridon Kontaxis, George Rigas, Anastasia Pentari, Kostas Tsiouris, Efstathios Kontogiannis, Eleftherios Kostoulas, Ilias Tsimperis, Theodoros Vlioras, Aristotelis Bousis, Styliani Zelilidou, Kalypso Tasiou, Manolis Tsiknakis, and Dimitrios Fotiadis</i>	60
Can the IR-UWB Radar Sensor Substitute the PSG-based Primary Vital Signs <i>Anastasia Pentari, George Rigas, Adamantios Ntanis, Thomas Kassiotis, Dimitrios Manousos, Evangelia Florou,</i>	66

Proposal and Evaluation of Optical Sensor to Identify Liquids in Liquid Intake Detection System Using Smart Bottles

72

Sandra Viciano-Tudela, Paula Navarro-Garcia, Lorena Parra, Sandra Sendra, and Jaime Lloret