

CONTENT

ORIGINAL RESEARCH

REMOTE PULSE OXIMETRY IMAGING – FUNDAMENTALS AND APPLICATIONS (Nikolai Blanik, Boudewijn Venema, Vladimír Blazek, Steffen Leonhardt)	5
THE BIOMECHANICAL MOVEMENTS FOR THE DISABLED BASED ON ART THERAPY (Jana Mušínská, Ivana Židík, Jozef Živčák)	12
MONITORING OF EMG TO FORCE RATIO USING NEW DESIGNED PRECISE WIRELESS SENSOR SYSTEM (Erik Vavrinsky, Martin Donoval, Martin Daricek, Frantisek Horinek, Marian Popovic, Michal Hanic, Martin Jagelka)	17
HEALTH TECHNOLOGY ASSESSMENT FOR MEDICAL DEVICES (Jozef Rosina, Vladimír Rogalewicz, Ilya Ivlev, Ivana Juříčková, Gleb Donin, Nikola Jantosová, Jakub Vacek, Radka Otawová, Peter Kneppo)	23
IMPLEMENTATION OF PULSE OXIMETRY MEASUREMENT TO WIRELESS BIOSIGNALS PROBE (Martin Jagelka, Michal Jeleň, Erik Vavrinský, Martin Daříček, Martin Donoval)	37
THE EFFECTS OF AIRWAY RESISTANCE AND ALVEOLAR COMPLIANCE UPON DELIVERED TIDAL VOLUME DURING HIGH FREQUENCY OSCILLATORY VENTILATION (Zuzana Rožánková, Martin Rožánek, Marianna Laviola, Petr Kudrna Karel Roubík)	41