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Nota di contenuto	Publication Practices Among Pivotal Clinical Trials of High-risk Medical Devices -- Three dimensional X-ray CT Reading Assistance System With Video See Through Display -- Videosupported Treatment as Method of Delivering the Healthcare to Tuberculosis -- Feasibility Study for a Robotic Laparoscopic Surgical System in a Greek Public Hospital -- Integration of Scpi over Vxi-11 Protocols in an Automated Gas Sensing Measurement System -- Assisting Deaf and Hard-of-Hearing People in Critical Situations: Alleviating Stress and Enhancing Safety -- Evaluation of the Maintenance System of Medical Equipment - a Necessity for Implementing an Effective Quality System -- The Surveillance System of Medical Devices, in which the Responsible Individuals Have an Active Role, is the Guarantee of Patient and Medical Device User Safety -- A New Approach in Detection of Biomarker 2-propanol with PTFE-coated

TiO₂ Nanostructured Films -- Biomechanical Analysis of the Balance of the Human Body -- Primary Measuring Transducer of a Diagnostic Spirometer Based on a Venturi Flowmeter -- A LabVIEW based Brain-Computer Interface Application for Controlling a Virtual Robotic Arm Using the P300 Evoked Biopotentials and the EEG Bandpower Rhythms Acquired from the GTEC Unicorn Headset -- Analysis of the Distribution of Forces and Pressures on the Plantar Surface in Different Walking Types -- Measurement of Biokinetic Parameters with the CvMob Program at the Level of the Lower Limb with a Functional 3D Printed Knee Orthosis -- Statistical Distortion Detection of Interference Microscope Image.

Sommario/riassunto

This book reports on advances in fundamental and applied research at the interface between nanotechnology and biomedical engineering. Gathering peer-reviewed contributions to the 6th International Conference on Nanotechnologies and Biomedical Engineering, ICNBME held on September 20-23, 2023, in Chisinau, Republic of Moldova, this second volume of the proceedings focuses on clinical engineering and instrumentation, bioinformatics, image and signal processing techniques, and new technologies for medical diagnosis, treatment and personalised medicine. With a good balance of theory and practice, the book offers a timely snapshot of multidisciplinary research at the interface between physics, chemistry, biomedicine, materials science, and engineering.
