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| Nota di contenuto       | Pervasive and Intelligent Decision Support in Critical Health Care using Ensemble -- Pervasive and Intelligent Decision Support in Critical Health Care using Ensemble -- C-Grid: Enabling iRODS-based Grid Technology for Community Health Research -- Local pre-processing for node classification in networks -- Automatic evaluation of FHR recordings from a new open access CTG database -- Maternal and Neonatal Healthcare Information System: Development of an Obstetric Electronic Health Record and Healthcare Indicators Dashboard -- Data acquisition and storage system in a cardiac electrophysiology laboratory -- Proposing a Monitoring & Early Notification System for Heart Diseases -- Automatic Microcalcification Segmentation using Rough Entropy and Fuzzy Approach -- A Model for Analyzing the |

Relation between Potassium (K) and Hemolysis Index (HI) with Clustering Method -- A secure RBAC mobile agent model for Healthcare Institutions: preliminary study -- Adaptive Model of Cardiovascular system: realization and signal database.

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**Sommario/riassunto**

This book constitutes the refereed proceedings of the 4th International Conference on Information Technology in Bio- and Medical Informatics, ITBAM 2013, held in Prague, Czech Republic, in August 2013, held in conjunction with DEXA 2013. The 7 revised long papers presented together with 4 short papers were carefully reviewed and selected from numerous submissions. The papers address the following topics: critical health and intelligent systems in medical research, and obstetrics, neonatology and decision systems in cardiology.

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