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Using SVMs"; "Improving Real-Time Efficiency of Case-Based Reasoning for Medical Diagnosis"; "E-Learning and Education"; "Evaluating a Health Educational First Aid Program with the Implementation of Synchronous Distance Learning"; "Popularity of Russian Information Sources of Medical Education"; "Web-Based Health Educational Program in Saudi Arabia"; "Exploring the Biomedical and Health Informatics Educational Programs in Europe"; "Formalisation of Knowledge, Ontologies, Clinical Guidelines and Standards of Healthcare"; "Improving Laboratory Results Turnaround Time by Reducing Pre Analytical Phase"; "Development of Medical Ontology ``HoPRO" (Hospital PRocess Ontology)"; "Proposal for a Standardised Reporting Guideline to Annotate Health-Related Self-Quantification Experiments"; "The Development and Evaluation of a New Coding System for Medical Records"; "Enabling Healthcare IT Governance: Human Task Management Service for Administering Emergency Department's Resources for Efficient Patient Flow"; "Deviation Based Safety Analysis and Justification of Clinical Services"; "Experience of Development of the National Surgical Interventions Coding System in Russia"; "From Computer-Interpretable Guidelines to Computer-Interpretable Quality Indicators: A Case for an Ontology"; "Health Informatics"; "A Post-Bertalanffy Systemics Healthcare Competitive Framework Proposal"; "Patients Classification on Weaning Trials Using Neural Networks and Wavelet Transform"; "A Patient Centered Electronic Health System: An Example for Cyprus"; "Prediction of the Prognosis of Ischemic Stroke Patients After Intravenous Thrombolysis Using Artificial Neural Networks"

Sommario/riassunto

The impact of information technology on the management of healthcare has been enormous in recent years, and it continues to grow in scope and complexity. This book presents papers from the 2014 International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), held in Athens, Greece, in July 2014. The book includes 79 full papers and 12 poster presentations as well as keynotes, two workshops and three tutorials. Papers are divided into sections including: clinical informatics; decision support and intelligent systems; e-learning and education; health informatics, inform
