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| Nota di contenuto       | Title page; Preface; Reviewers for MIE2005; Contents; Bioinformatics and Medical Genomics; Immunogenetics Sequence Annotation: The Strategy of IMGT Based on IMGT-ONTOLOGY; An Integrated Data-Warehouse-Concept for Clinical and Biological Information; Time Series Models on Analysing Mortality Rates and Acute Childhood Lymphoid Leukaemia; Bio-Health Information: A Preliminary Review of On-Line Cystic Fibrosis Resources; Bioinformatics Meets Clinical Informatics; SITRANS: A Web Information System for Microarray Experiments Practical Approaches to the Development of Biomedical Informatics: The INFOBIOMED Network of ExcellenceComputerized Patient Record; Quality Labelling and Certification of Electronic Health Record Systems; Computerized Case History - an Effective Tool for Management of Patients and Clinical Trials; Information on Medication History - Basis for Improved Prescribing; Users' Needs and Expectations of Electronic Medical Record Systems in Family Medicine Residence Settings; |

Tracking Referents in Electronic Health Records; The French Organ Transplant Data System

Avoiding Doubles in Distributed Nominative Medical Databases: Optimization of the Needleman and Wunsch AlgorithmParticipatory Work Flow Analysis Prior to Implementation of EPR: A Method to Discover Needs for Change; Use of Computer and Respiratory Inductance Plethysmography for the Automated Detection of Swallowing in the Elderly; Representing the Patient's Therapeutic History in Medical Records and in Guideline Recommendations for Chronic Diseases Using a Unique Model; mGen - An Open Source Framework for Generating Clinical Documents

Comparing Different Approaches to Two-Level Modelling of Electronic Health RecordsIntroducing the Electronic Health Record in Austria; Medical Record Linkage of Anonymous Registries without Validated Sample Linkage of the Dutch Perinatal Registries; The Core Data Elements of Electronic Health Record in Finland; HealthInfoCDA: Case Composition Using Electronic Health Record Data Sources; Nursing Documentation in Occupational Health; Decision Support and Clinical Guidelines; Structuring Clinical Guidelines through the Recognition of Deontic Operators

Prototypical Cases and Adaptation Rules for Diagnosis of Dysmorphic SyndromesKnowledge Discovery on Functional Disabilities: Clustering Based on Rules Versus Other Approaches; Design of a Multi Dimensional Database for the Archimed DataWarehouse; Canonical Correlation Analysis for Data Reduction in Data Mining Applied to Predictive Models for Breast Cancer Recurrence; Tools for Statistical Analysis with Missing Data: Application to a Large Medical Database; Diagnostic Support for Glaucoma Using Retinal Images: A Hybrid Image Analysis and Data Mining Approach

SVM Modeling via a Hybrid Genetic Strategy. A Health Care Application

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#### Sommario/riassunto

A variety of topics of bio-informatics, including both medical and bio-medical informatics are addressed by MIE. The main theme in this publication is the development of connections between bio-informatics and medical informatics. Tools and concepts from both disciplines can complement each other.

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