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| Nota di contenuto | Temporal Reasoning -- On-Line Extraction of Successive Temporal Sequences from ICU High-Frequency Data for Decision Support Information -- Quality Assessment of Hemodialysis Services through Temporal Data Mining -- Idan: A Distributed Temporal-Abstraction Mediator for Medical Databases -- Prognosis of Approaching Infectious Diseases -- Modeling Multimedia and Temporal Aspects of Semistructured Clinical Data -- NEONATE: Decision Support in the Neonatal Intensive Care Unit -- A Preliminary Report -- Abstracting the Patient Therapeutic History through a Heuristic-Based Qualitative Handling of Temporal Indeterminacy -- Ontology, Terminology -- How to Represent Medical Ontologies in View of a Semantic Web? -- Using Description Logics for Managing Medical Terminologies -- Ontology for |

Task-Based Clinical Guidelines and the Theory of Granular Partitions --
Speech Interfaces for Point-of-Care Guideline Systems -- Text
Categorization prior to Indexing for the CISMEF Health Catalogue --
Bodily Systems and the Modular Structure of the Human Body -- Image
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MR Brain Images into White Matter, Gray Matter and Cerebro-Spinal
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the Diagnosis of Alzheimer's Disease -- Guidelines, Clinical Protocols
-- DEGEL: A Hybrid, Multiple-Ontology Framework for Specification and
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-- Linking Rules to Terminologies and Applications in Medical Planning
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Environment -- Constraint Reasoning in Deep Biomedical Models --
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Glycaemic Control -- Data Mining, Knowledge Discovery -- Drifting
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Mining in Medical Databases -- Invited Talks -- Is It Time to Trade
"Wet-Work" for Network? -- Robots as Models of the Brain: What Can
We Learn from Modelling Rat Navigation and Infant Imitation Games?.

Sommario/riassunto

The European Society for Artificial Intelligence in Medicine (AIME) was established in 1986 with two main goals: 1) to foster fundamental and applied research in the application of Artificial Intelligence (AI) techniques to medical care and medical research, and 2) to provide a forum for reporting significant results achieved at biennial conferences. Additionally, AIME assists medical - dustrials to identify new AI techniques with high potential for integration into new products. A

major activity of this society has been a series of international conferences, from Marseille (FR) in 1987 to Cascais (PT) in 2001, held biennially over the last 16 years. The AIME conference provides a unique opportunity to present and improve the international state of the art of AI in medicine from both a research and an applications perspective. For this purpose, the AIME conference includes invited lectures, contributed papers, system demonstrations, tutorials and workshops. The present volume contains the proceedings of the AIME 2003 conference, the ninth conference on Artificial Intelligence in Medicine in Europe, held in Cyprus, October 18-22, 2003. In the AIME 2003 conference announcement, we encouraged authors to submit original contributions to the development of theory, techniques, and applications of AI in medicine, including the evaluation of health care programs. Theoretical papers should include a prospective part about possible applications to medical problems solving. Technical papers should describe the novelty of the proposed approach, its assumptions and pros and cons compared to other alternative techniques. Application papers should present sufficient information to allow the evaluation of the practical benefits of the proposed system or methodology.
