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Clinical Knowledge Management: Opportunities and Challenges

Rajeev K. Bali (Knowledge Management Healthcare Group, BIOCORE, Coventry University, UK)
ISBN: 978-1-59140-300-5; © 2005; pp. 334

This book assembles original and innovative contributions in the area of KM and knowledge engineering applications for healthcare systems and clinical engineering applications.



Dental Computing and Applications: Advanced Techniques for Clinical Dentistry

Andriani Daskalaki (Max Planck Institute for Molecular Genetics, Germany)
ISBN: 978-1-60566-292-3; © 2009; pp. 406

Offers ideas in the analysis of dental data and provides an overview on searching for evidence-based medical and dental information on the Web.



Handbook of Research on Advanced Techniques in Diagnostic Imaging and Biomedical Applications

Themis P. Exarchos (University of Ioannina, Greece), et al.
ISBN: 978-1-60566-314-2; © 2009; pp. 598

Provides readers with an overview of the emerging field of image-guided medical and biological decision support, bringing together various research studies and highlighting future trends.



Handbook of Research on Systems Biology Applications in Medicine

Andriani Daskalaki (Max Planck Institute for Molecular Genetics, Germany)
ISBN: 978-1-60566-076-9; © 2009; pp. 982

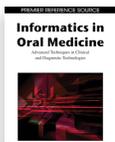
Explains the application of systems biology, data analysis, and drug development.



Improved Signal and Image Interpolation in Biomedical Applications: The Case of Magnetic Resonance Imaging (MRI)

Carlo Ciulla (Lane College, USA)
ISBN: 978-1-60566-202-2; © 2009; pp. 643

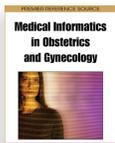
Presents methods to improve approximation properties in signal image interpolation that are useful to the advancement of biomedicine and MRI technology.



Informatics in Oral Medicine: Advanced Techniques in Clinical and Diagnostic Technologies

Andriani Daskalaki (Max Planck Institute for Molecular Genetics, Germany)
ISBN: 978-1-60566-733-1; © 2010; pp. 424

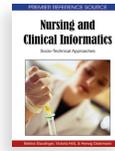
Compiles the work of international experts on the latest applications in dental and oral research topics.



Medical Informatics in Obstetrics and Gynecology

David Parry (Auckland University of Technology, NZ), et al.
ISBN: 978-1-60566-078-3; © 2009; pp. 428

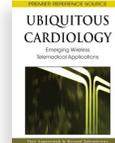
Provides medical libraries and researchers, as well as medical students, health technology specialists, and practicing physicians and nurses with unrivaled data on the role of technology in obstetrics and gynecology.



Nursing and Clinical Informatics: Socio-Technical Approaches

Bettina Staudinger (University for Health Sciences, Medical Informatics and Technology, Austria), et al.
ISBN: 978-1-60566-234-3; © 2009; pp. 342

Provides a general overview of the current state of nursing informatics with particular focus on social and political aspects of technological advancements.



Ubiquitous Cardiology: Emerging Wireless Telemedical Applications

Piotr Augustyniak (AGH University of Science and Technology, Poland), et al.
ISBN: 978-1-60566-080-6; © 2009; pp. 433

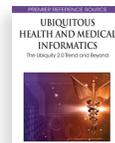
Presents developmental solutions from cardiovascular diagnostics through a collection of studies on medical data redundancy, priority, and validity.



Cases on Health Outcomes and Clinical Data Mining: Studies and Frameworks

Patricia Cerrito (University of Louisville, USA)
ISBN: 978-1-61520-723-7; © 2010; pp. 402

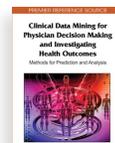
The studies in this book use non-traditional, exploratory data analysis and data mining tools to examine health outcomes, finding patterns and trends in observational data.



Ubiquitous Health and Medical Informatics: The Ubiquity 2.0 Trend and Beyond

Sabah Mohammed (Lakehead University, Canada), et al.
ISBN: 978-1-61520-777-0; © 2010; pp. 356

A collection of studies on new generation healthcare, chapters highlight changes to healthcare distribution that will significantly revolutionize the exchange between healthcare providers and consumers.



Clinical Data Mining for Physician Decision Making and Investigating Health Outcomes: Methods for Prediction and Analysis

Patricia Cerrito (University of Louisville, USA), et al.
ISBN: 978-1-61520-905-7; © 2010; pp. 456

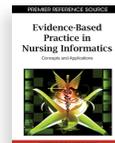
Demonstrates how concern for detail in data sets and the use of data mining techniques can extract meaningful knowledge and benefit healthcare databases.



Biomedical Diagnostics and Clinical Technologies: Applying High-Performance Cluster and Grid Computing

Manuela Pereira (University of Beira Interior, Portugal), et al.
ISBN: 978-1-60566-280-0; © 2011; pp. 382

An advanced resource, this book compiles knowledge on high performance computing for medical applications and bioinformatics.



Evidence-Based Practice in Nursing Informatics: Concepts and Applications

Andrew Cashin (Southern Cross University, Australia), et al.
ISBN: 978-1-60960-034-1; © 2011; pp. 301

Critiquing fundamental concepts, such as evidence-based practice, applied to nursing informatics, this text offers chapters, and case studies focusing on technology's contributions to nursing theory and practice, nursing systems management, and decision-support in nursing.