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*This cutting-edge issue of
Anesthesiology Clinics is divided into
two sections. The first covers topics in*

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perioperative clinical information systems (IS), including the following. The anatomy of an anesthesia information management system; vendor and market landscape; impact of lexicons on adoption of an IS; clinical research using an IS, real-time alerts and reminders using an IS;

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shortcomings and challenges of IS adoption; creating a real return-on-investment for IS implementation (life after HITECH); Quality improvement using automated data sources and reporting; and opportunities and challenges of implementing an enterprise IS in the OR. Section 2 is

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devoted to computers and covers the following topics. Advanced integrated real-time clinical displays; enhancing point-of-care vigilance using computers; and computers in perioperative simulation and education.

This thoroughly updated edition covers

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all clinical aspects of neuroinflammation. The latest developments in pathogenesis and advances in treatment are provided, along with an understanding of the immune system's role and interactions between the activated immune cells, cerebral endothelial cells, and other

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main components of the immune cascade. Cutting-edge and authoritative, this volume offers practitioners a valuable resource for research and clinical practice. How can a smartwatch help patients with diabetes manage their disease? Why can't patients find out prices for

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surgeries and other procedures before they happen? How can researchers speed up the decade-long process of drug development? How will "Precision Medicine" impact patient care outside of cancer? What can doctors, hospitals, and health systems do to ensure they are maximizing high-

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value care? How can healthcare entrepreneurs find success in this data-driven market? A revolution is transforming the \$10 trillion healthcare landscape, promising greater transparency, improved efficiency, and new ways of delivering care. This new landscape presents tremendous

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opportunity for those who are ready to embrace the data-driven reality.

Having the right data and knowing how to use it will be the key to success in the healthcare market in the future.

We are already starting to see the impacts in drug development, precision medicine, and how patients

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with rare diseases are diagnosed and treated. Startups are launched every week to fill an unmet need and address the current problems in the healthcare system. Digital devices and artificial intelligence are helping doctors do their jobs faster and with more accuracy. MoneyBall Medicine:

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Thriving in the New Data-Driven Healthcare Market, which includes interviews with dozens of healthcare leaders, describes the business challenges and opportunities arising for those working in one of the most vibrant sectors of the world's economy. Doctors, hospital

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administrators, health information technology directors, and entrepreneurs need to adapt to the changes effecting healthcare today in order to succeed in the new, cost-conscious and value-based environment of the future. The authors map out many of the changes taking

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place, describe how they are impacting everyone from patients to researchers to insurers, and outline some predictions for the healthcare industry in the years to come.

Report of the President's Cancer Panel Submitted to the President of the United States for Transmittal to the

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Congress

*An Application Guide for Students and
Researchers of Pharmaceutical
Sciences*

MoneyBall Medicine

*Cancer Research at the Leading Edge
Metadata-driven Software Systems in
Biomedicine*

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*Next Generation Internet of Things –
Distributed Intelligence at the Edge
and Human-Machine Interactions*

Examines the ethical and
policy dimensions of testing
novel medical interventions in
human beings for the first time.

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Through the use of ICT tools, such as the internet, portals, and telecommunication devices, the quality of healthcare has improved in local and global health; aiding in the development of a

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sustainable economy.

Handbook of Research on ICTs
and Management Systems for
Improving Efficiency in
Healthcare and Social Care
brings together a valuable
research collection on ICT

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elements needed to improve communication and collaboration between global health institutes, public and private organizations, and foundations. Highlighting the adoption and success factors in

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the development of technologies for healthcare, this book is essential for IT professionals, technology solution providers, researchers, and students interested in technology and its relationship

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with healthcare and social services.

Core Curriculum for Medical Quality Management addresses the needs of physicians, medical students, and other health care professionals for

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current information about medical quality management, principles, methods, programs, systems, and experiences. This book presents a true "state-of-the-nation" assessment of medical quality management

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and highlights the need for training of physicians who will lead the medical quality movement in the 21st century. Each contributing author is a recognized leader in medical quality management. The

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reader should find this to be a highly readable basic text to acquire a sound initial working knowledge of medical quality management.

Departments of Labor, Health
and Human Services,

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Education, and Related
Agencies Appropriations for
1994

Handbook of Research on
Biomedical Engineering
Education and Advanced
Bioengineering Learning:

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Interdisciplinary Concepts
OTM Confederated
International Workshops and
Posters, ADI, AWeSoMe,
COMBEK, EI2N, IWSSA, MONET,
OnToContent & QSI, ORM,
PerSys, RDDS, SEMELS, and

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SWWS 2008, Monterrey,
Mexico, November 9-14, 2008,
Proceedings
Departments of Labor, Health
and Human Services,
Education, and Related
Agencies Appropriations for

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2002**

Hearings Before a
Subcommittee of the
Committee on Appropriations,
House of Representatives, One
Hundred Seventh Congress,
First Session

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The CAPRISA Clinical Trials: HIV
Treatment and Prevention

**This book, written for
pulmonary and family
doctors, general
practitioners,
allergologists, and**

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**neuropsychologists,
presents cutting-edge
clinical research and
therapy-oriented
knowledge in the field
of respiratory medicine.
Clinical knowledge is**

**undergoing dramatic
improvement. Respiration
is one such prominent
field. A better
understanding of the
pathogenesis of
respiratory ailments and**

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the regulation of lung ventilation is essential for advances in pharmacotherapy and the patient's quality of life. The book discusses a wide scope of topics,

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**notably, innovations in
detection and management
of chronic inflammatory
conditions such as COPD
or asthma, acute
infections of the
respiratory tract,**

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**airway allergies and
hyper-responsiveness,
lung cancer,
interstitial lung
diseases, pulmonary
function in health,
disease and aging, sleep**

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**disordered breathing,
interaction between the
respiratory system and
other bodily functions,
and psychosomatic
aspects of disease.
After all, respiration**

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**is generated and
integrated by the brain;
therefore brain function
is influential in
respiratory regulation.
The book is a platform
that fosters the**

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**exchange of new clinical
data between clinicians
and academic
neuroscientists,
bringing a unique blend
of medical diagnosis and
practice to the**

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**Leadership in
respiratory medicine.
This book provides an
overview of the next
generation Internet of
Things (IoT), ranging
from research,**

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**innovation, development
priorities, to enabling
technologies in a global
context. It is intended
as a standalone in a
series covering the
activities of the**

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**Internet of Things
European Research
Cluster (IERC),
including research,
technological
innovation, validation,
and deployment.**The

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**following chapters build
on the ideas put forward
by the European Research
Cluster, the IoT
European Platform
Initiative (IoT-EPI),
the IoT European Large-**

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**Scale Pilots Programme
and the IoT European
Security and Privacy
Projects, presenting
global views and state-
of-the-art results
regarding the next**

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**generation of IoT
research, innovation,
development, and
deployment. The IoT and
Industrial Internet of
Things (IIoT) are
evolving towards the**

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**next generation of
Tactile IoT/IIoT,
bringing together
hyperconnectivity (5G
and beyond), edge
computing, Distributed
Ledger Technologies**

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**(DLTs), virtual/
andaugmented reality
(VR/AR), and artificial
intelligence (AI)
transformation. Following
the wider adoption of
consumer IoT, the next**

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**generation of IoT/IIoT
innovation for business
is driven by industries,
addressing
interoperability issues
and providing new end-to-
end security solutions**

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**to face continuous
treats. The advances of
AI technology in vision,
speech recognition,
natural language
processing and dialog
are enabling the**

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development of end-to-end intelligent systems encapsulating multiple technologies, delivering services in real-time using limited resources. These developments are

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**focusing on designing
and delivering embedded
and hierarchical AI
solutions in IoT/IIoT,
edge computing, using
distributed
architectures, DLTs**

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**platforms and
distributed end-to-end
security, which provide
real-time decisions
using less data and
computational resources,
while accessing each**

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type of resource in a way that enhances the accuracy and performance of models in the various IoT/IIoT applications. The convergence and

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**combination of IoT, AI
and other related
technologies to derive
insights, decisions and
revenue from sensor data
provide new business
models and sources of**

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**monetization. Meanwhile,
scalable, IoT-enabled
applications have become
part of larger business
objectives, enabling
digital transformation
with a focus on new**

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**services and
applications. Serving the
next generation of
Tactile IoT/IIoT real-
time use cases over 5G
and Network Slicing
technology is essential**

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**for consumer and
industrial applications
and support reducing
operational costs,
increasing efficiency
and leveraging
additional capabilities**

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**for real-time autonomous
systems. New IoT
distributed
architectures, combined
with system-level
architectures for
edge/fog computing, are**

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**evolving IoT platforms,
including AI and DLTs,
with embedded
intelligence into the
hyperconnectivity
infrastructure. The next
generation of IoT/IIoT**

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**technologies are highly
transformational,
enabling innovation at
scale, and autonomous
decision-making in
various application
domains such as**

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**healthcare, smart homes,
smart buildings, smart
cities, energy,
agriculture,
transportation and
autonomous vehicles, the
military, logistics and**

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**supply chain, retail and
wholesale,
manufacturing, mining
and oil and gas.
This text presents
cutting-edge topics on
and the diagnostic and**

**therapeutic approaches
for tear film
abnormalities, including
dry eye disease and
Meibomian gland
dysfunction. A new
management algorithm for**

**Meibomian gland
dysfunction, therapeutic
eye drops and intense
pulsed lasers for dry
eye disease, and topical
and systemic agents for
neuropathic ocular pain**

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**are proposed in this
issue.**

**Accelerating Successes
Against Cancer
Departments of Labor,
Health and Human
Services, Education, and**

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Related Agencies

Appropriations for 1998

Departments of Labor,

Health and Human

Services, and Education,

and Related Agencies

Appropriations for

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Fiscal Year 1994:

**Nondepartmental
witnesses**

**Fighting the War on
Cancer in an Evolving
Health Care System
Maximizing Benefits,**

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**Minimizing Risk
Hearings Before a
Subcommittee of the
Committee on
Appropriations, House of
Representatives, One
Hundred Fifth Congress,**

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First Session

Using the tools of competitive strategic analysis, this text identifies and explores the five forces transforming the health care system - horizontal consolidation, vertical

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integration, industrialization,
medical/financial risk
assumption, and consumerism.
Using these five forces to
describe the health care system
most likely to emerge in the next
decade, it predicts very different

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fortunes and fates for the medical professions, and hospital, pharmaceutical, medical device, and managed care industries.

The Knowledge Solution. Stop Searching, Stand Out and Pay

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Off. The #1 ALL
ENCOMPASSING Guide to E-
Clinical. An Important Message
for ANYONE who wants to learn
about E-Clinical Quickly and
Easily... ""Here's Your Chance
To Skip The Struggle and Master

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E-Clinical, With the Least
Amount of Effort, In 2 Days Or
Less..." eClinical is a term used
within the biopharmaceutical
industry to refer to electronic
systems for automating the
management or conduct of

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clinical trials with the aim of replacing manual, ad hoc or paper-driven methods. Originally, "eClinical" was used to refer to any technology application in use within a clinical trial. Without a more specific definition, the

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industry used "eClinical"
interchangeably to refer to
number of different technologies,
such as EDC solutions
(Electronic Data Capture), CTMS
(Clinical Trials Management
System) or Randomization and

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Trial Supply Management systems, commonly using IVRS (Interactive Voice Response Systems), electronic patient diaries and other common types of electronic solutions widely used in clinical trials. Get the

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edge, learn EVERYTHING you need to know about E-Clinical, and ace any discussion, proposal and implementation with the ultimate book - guaranteed to give you the education that you need, faster

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than you ever dreamed possible!
The information in this book can
show you how to be an expert in
the field of E-Clinical. Are you
looking to learn more about E-
Clinical? You're about to
discover the most spectacular

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gold mine of E-Clinical materials ever created, this book is a unique collection to help you become a master of E-Clinical. This book is your ultimate resource for E-Clinical. Here you will find the most up-to-date

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information, analysis,
background and everything you
need to know. In easy to read
chapters, with extensive
references and links to get you to
know all there is to know about E-
Clinical right away. A quick look

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inside: EClinical trial technology,
Accelrys, Case report form,
ClearTrial, Clinical data
acquisition, Clinical Data
Interchange Standards
Consortium, Clinical data
management, Clinical data

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management system, Clinical
Trial Management System,
ClinLife, Common Technical
Document, Data clarification
form, Electronic Common
Technical Document, Electronic
patient-reported outcome,

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EudraCT, Mpro, Patient diary,
Patient-reported outcome,
Source document, Clinical trial,
A1chieve, Age-Related Eye
Disease Study, ALMANAC,
Analysis of clinical trials, Assay
sensitivity, ASTEROID trial,

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AURORA trial, Biological
plausibility, British Doctors Study,
CapOpus, CDR Computerized
Assessment System, Censoring
(clinical trials), Clinical
significance, Clinical trial effect,
Clinical trial protocol,

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Confirmatory trial, Consolidated
Standards of Reporting Trials,
Data confidentiality in clinical
trials, Dose-ranging study, Dublin
Molecular Medicine Centre, End
point of clinical trials, European
Clinical Research Infrastructures

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Network, European Forum for
Good Clinical Practice, Jesse
Gelsinger, Guatemala syphilis
experiment, H5N1 clinical trials,
Heart Protection Study, IFPMA
Clinical Trials Portal, Imaging
biomarker, INIT II, Intention to

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treat analysis, Interim analysis,
International Studies of Infarct
Survival, Intersalt study,
Investigator's brochure, Jadad
scale, JUPITER trial, Kano
trovafloxacin trial litigation,
Length time bias, Medical

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experimentation in Africa, MIDAS
Trial, N of 1 trial, Natural history
group, Patient recruitment, Per-
protocol analysis, Potentially all
pairwise rankings of all possible
alternatives, Rule of three
(medicine), Scandinavian

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Simvastatin Survival Study,
SDTM...and Much, Much More!
This book explains in-depth the
real drivers and workings of E-
Clinical. It reduces the risk of
your technology, time and
resources investment decisions

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by enabling you to compare your understanding of E-Clinical with the objectivity of experienced professionals - Grab your copy now, while you still can.

This book examines the role of computer-assisted techniques for

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discovering, designing,
optimizing and manufacturing
new, effective, and safe
pharmaceutical formulations and
drug delivery systems. The book
discusses computational
approaches, statistical modeling

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and molecular modeling for the development and safe delivery of drugs in humans. The application of concepts of QbD (Quality by Design), DoE (Design of Experiments), artificial intelligence and in silico

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pharmacokinetic

assessment/simulation have been made a lot easier with the help of commercial software and expert systems. This title provides in-depth knowledge of such useful software with

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illustrations from the latest researches. The book also fills in the gap between pharmaceuticals and molecular modeling at micro, meso and macro scale by covering topics such as advancements in computer-aided

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Drug Design (CADD), drug-polymer interactions in drug delivery systems, molecular modeling of nanoparticles and pharmaceuticals/bioinformatics. This book provides abundant applications of computers in

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formulation designing and characterization are provided as examples, case studies and illustrations. Short reviews of software, databases and expert systems have also been added to culminate the interest of

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readers for novel applications in formulation development and drug delivery. Computer-aided pharmaceuticals and drug delivery is an authoritative reference source for all the latest scholarly update on emerging

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developments in computed assisted techniques for drug designing and development. The book is ideally designed for pharmacists, medical practitioners, students and researchers.

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EHealth: Combining Health
Telematics, Telemedicine,
Biomedical Engineering and
Bioinformatics to the Edge
Interdisciplinary Concepts
Lost in Translation
The XX Edge

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Thriving in the New Data-Driven
Healthcare Market

108-2 Hearings: Agriculture,
Rural Development, Food And
Drug Administration, and Related
Agencies Appropriations For
2005, Part 3, March 11, 2004, *

***Current demographic,
economic and social
conditions which developed
countries are faced with
require a paradigm change
for delivering high quality
and efficient health***

***services. In that context,
healthcare systems have to
turn from organization-
centered to process-
oriented and finally
towards individualized
patient care, also called***

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***personal care, based on
ehealth platform services.
Interoperability
requirements for
ubiquitous personalized
health services reach
beyond current concepts of***

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***health information
integration among
professional stakeholders
and related Electronic
Patient Records. Future
personal health platforms
particularly have to***

maintain semantic interoperability among systems using different modalities and technologies, different knowledge representation and domain experts'

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***languages as well as
different coding schemes
and terminologies to
include home care, as well
as personal and mobile
systems. This development
is not restricted to regions***

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or countries, but appears globally, requiring a comprehensive international collaboration. This publication within the series Studies in Health Technology and Informatics

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***presents papers from
leading international
experts representing all
domains involved in
ehealth.***

***Gut Feelings: The Patient's
Story takes our knowledge***

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about highly prevalent conditions such as IBS and other Disorders of Gut Brain Interaction further by learning from the patient's illness journey. This book offers a deeper dive into

the experience of the illness through the patient's perspective, giving their stories of illness and their experiences with the health care system. Additionally,

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we learn the key messages that helped them recover or learn to adapt to their illness. Through the use of patient narratives, we find quick connection for patients to identify with

***common experiences and
take these lessons forward
to their own medical care.
These narratives are also a
helpful tool for providers to
learn the real world of
patient illness experience***

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***and their role in improving
clinical outcomes.***

***Data sharing can accelerate
new discoveries by
avoiding duplicative trials,
stimulating new ideas for
research, and enabling the***

maximal scientific knowledge and benefits to be gained from the efforts of clinical trial participants and investigators. At the same time, sharing clinical trial data presents risks,

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***burdens, and challenges.
These include the need to
protect the privacy and
honor the consent of
clinical trial participants;
safeguard the legitimate
economic interests of***

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***sponsors; and guard
against invalid secondary
analyses, which could
undermine trust in clinical
trials or otherwise harm
public health. Sharing
Clinical Trial Data presents***

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activities and strategies for the responsible sharing of clinical trial data. With the goal of increasing scientific knowledge to lead to better therapies for patients, this book identifies guiding

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***principles and makes
recommendations to
maximize the benefits and
minimize risks. This report
offers guidance on the
types of clinical trial data
available at different points***

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in the process, the points in the process at which each type of data should be shared, methods for sharing data, what groups should have access to data, and future knowledge and

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***infrastructure needs.
Responsible sharing of
clinical trial data will allow
other investigators to
replicate published findings
and carry out additional
analyses, strengthen the***

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***evidence base for
regulatory and clinical
decisions, and increase the
scientific knowledge gained
from investments by the
funders of clinical trials.
The recommendations of***

Sharing Clinical Trial Data will be useful both now and well into the future as improved sharing of data leads to a stronger evidence base for treatment. This book will

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be of interest to stakeholders across the spectrum of research--from funders, to researchers, to journals, to physicians, and ultimately, to patients. Recommendations from the

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***NCI-designated Cancer
Center Directors
Gene Transfer and the
Ethics of First-in-Human
Research
Pathogenesis, Immunology,
and Clinical Management***

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***Respiratory Regulation -
Clinical Advances
Unlocking Higher Returns
and Lower Risk
Departments of Labor,
Health and Human
Services, Education, and***

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Related Agencies

Appropriations for 2005

While the use of database technology is ubiquitous throughout IT (and health IT in particular), it is not generally appreciated that, as a

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database increases in scope, certain designs are far superior to others. In biomedical domains, new knowledge is being generated continually, and the databases that must support areas such

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**as clinical care and research
must also be able to evolve
while requiring minimal or no
logical / physical redesign.
Appropriately designed
metadata, and software
designed to utilize it**

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effectively, can provide significant insulation against change. Many of the larger EMR or clinical research database vendors have realized this, but their designs are proprietary and not

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**described in the literature.
Consequently, numerous
misconceptions abound
among individuals who have
not had to work with large-
scale biomedical systems, and
graduates of a health or**

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bioinformatics program may find that they need to unlearn what they were taught in database and software design classes in order to work productively with such systems. A working

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knowledge of such systems is also important for individuals who are not primarily software developers, such as health informaticians, medical information officers and data analysts. This book is, in a

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**sense, intended to prepare all
of the above individuals for
the real world.**

**?Concepts and Trends in
Healthcare Information
Systems covers the latest
research topics in the field**

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from leading researchers and practitioners. This book offers theory-driven research that explores the role of Information Systems in the delivery of healthcare in its diverse organizational and

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regulatory settings. In addition to the embedded role of Information Technology (IT) in clinical and diagnostics equipment, Information Systems are uniquely positioned to capture, store,

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**process, and communicate
timely information to decision
makers for better coordination
of healthcare at both the
individual and population
levels. For example, data
mining and decision support**

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**capabilities can identify
potential adverse events for an
individual patient while also
contributing to the
population's health by
providing insights into the
causes of disease**

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complications. Information systems have great potential to reduce healthcare costs and improve outcomes. The healthcare delivery systems share similar characteristics with most service and

productive organizations, but also exhibit specific characteristics, which are related to the complexity and diversity of healthcare production, including the dissimilar ways healthcare

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**professionals discharge their
clinical tasks. New
requirements and
technological advances
occurring in healthcare,
information systems, and
information technology have**

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**influenced the evolving role of
healthcare information
systems and related
technology, and this book will
help bring the field up to date.
MCDM 2009, the 20th
International Conference on**

**Multiple-Criteria Decision M-
ing, emerged as a global
forum dedicated to the sharing
of original research results
and practical development
experiences among
researchers and application**

**developers from different
multiple-criteria decision
making-related areas such as
multiple-criteria decision
aiding, multiple criteria
classification, ranking, and
sorting, multiple obj- tive**

continuous and combinatorial optimization, multiple objective metaheuristics, multiple-criteria decision making and preference modeling, and fuzzy multiple-criteria decision making. The

**theme for MCDM 2009 was
“New State of MCDM in the
21st Century.” The conference
seeks solutions to challenging
problems facing the
development of multiple-
criteria decision making, and**

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shapes future directions of research by promoting high-quality, novel and daring research findings. With the MCDM conference, these new challenges and tools can easily be shared with the

multiple-criteria decision making community. The workshop program included nine workshops which focused on different topics in new research challenges and initiatives of MCDM. We

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**received more than 350
submissions for all the
workshops, out of which 121
were accepted. This includes
72 regular papers and 49 short
papers. We would like to thank
all workshop organizers and**

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**the Program Committee for the
excellent work in maintaining
the conference's standing for
high-quality papers.**

**Concepts and Trends in
Healthcare Information
Systems**

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**Cutting-Edge Research Topics
on Multiple Criteria Decision
Making
Cutting-Edge Topics in Dry
Eye Disease
Inflammatory Disorders of the
Nervous System**

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**Hearings Before a
Subcommittee of the
Committee on Appropriations,
House of Representatives,
One Hundred Eighth
Congress, Second Session
The Business of Health Care in**

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the New Century

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copyrighted in 2012.

Since its inception 14 years ago,
CAPRISA has conducted numerous
clinical studies that have influenced
international TB-HIV treatment

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guidelines as well as HIV prevention through innovations in the microbicide and vaccine fields. This book provides a historical account of how each of CAPRISA ' s high impact studies was created, developed, implemented, analysed

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and communicated. In doing so, the reader is taken on a journey that provides glimpses into the genesis of research ideas and how this ultimately leads to a range of HIV prevention and treatment studies that have impacted the global response to the

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HIV and TB epidemics. Comprised of 5 sections, the book details the following: HIV epidemic in South Africa and the establishment of a research centre to undertake clinical, epidemiological and laboratory research on HIV. CAPRISA 's

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clinical trials on HIV and HSV-2 prevention. These studies investigated the impact of tenofovir gel as topical antiretroviral pre-exposure prophylaxis (PrEP), implementation of topical PrEP through family planning clinics, conditional cash

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incentives for HIV prevention, HIV vaccines, and passive immunisation with broadly neutralising antibodies. CAPRISA ' s research on the treatment of HIV and TB co-infection. A review of the major scientific findings from the CAPRISA

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studies on acute infection and genital mucosal immunology. Essential support activities for the conduct of clinical trials, including research laboratories and pharmacies, as well as establishing effective communication and sustainable structures for

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community engagement to maintain effective and respectful partnerships with participating communities. The book concludes with a chapter about the challenges facing future HIV prevention and treatment trials. The CAPRISA Clinical Trials: HIV

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Treatment and Prevention is a resource for undergraduate and postgraduate students, health care providers, doctors, decision-makers and researchers who are seeking guidance and insights on clinical trials – their creation, conduct and

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impact.

The purpose of the book is to provide an overview of clinical research (types), activities, and areas where informatics and IT could fit into various activities and business practices. This book will introduce

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and apply informatics concepts only
as they have particular relevance to
clinical research settings.

20th International Conference,
MCDM 2009, Chengdu/Jiuzhaigou,
China, June 21-26, 2009. Proceedings
Agriculture, Rural Development,

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Food and Drug Administration, and
Related Agencies Appropriations for
2005

Global Experts Summit Textbook
Hearings Before a Subcommittee of
the Committee on Appropriations,
House of Representatives, One

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Hundred Third Congress, First
Session

E-Clinical: High-impact Strategies -
What You Need to Know

On the Move to Meaningful Internet
Systems: OTM 2008 Workshops

Sharing Clinical Trial

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DataMaximizing Benefits,
Minimizing RiskNational
Academies Press
Handbook of Hematologic
Malignancies provides a
unique, practical, and
concise guide focused on

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the must-know points of diagnosis, prognosis, therapeutic management, and cutting edge clinical trial opportunities for each hematologic malignancy. With an ever-

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increasing growth of
evidence and a significant
expansion of available
treatment options for
patients with hematologic
disease, remaining current
and up-to-date can be

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extremely challenging for
practicing clinicians.

This comprehensive
subspecialty handbook is
designed and organized for
the busy hematologist,
hematologic oncologist,

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hematopathologist, and trainee in mind. Every chapter is richly illustrated with color figures and flow diagrams, and contains helpful tables on differential

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diagnosis, prognostic
scoring systems and
therapeutic options. A
concise case-based review
for testing pathologic
diagnosis and clinical
knowledge for each chapter

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is included for digital
download online and in the
e-book. Written by
experienced clinicians at
the world-renowned Moffitt
Cancer Center in Tampa,
Florida, as well as

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contributions from leading academicians throughout the country, this handbook is an essential resource for anyone diagnosing, treating, or managing patients with hematologic

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malignancy. KEY FEATURES:
Contains clear prognostic
and diagnostic tools
(e.g., tables/flow
diagrams/pathology images)
with emphasis on key
differential diagnoses and

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diagnostic dilemmas Easy
to use treatment
recommendations with
bullet point format and
key references. Discusses
the future of patient
management based on

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practice changing clinical
trials Includes access to
digitally downloadable
case-based clinical
scenarios and questions
with high resolution
pathology images linked to

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each individual chapter
In The XX Edge, Patience
Marime-Ball and Ruth
Shaber envision a new
paradigm of gender-focused
investing where more women
are placed in decision-

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making roles and able to
optimize their skills
across all capital
markets—leading to higher
returns for individual
investors and greater
economic growth. There's a

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simple but often overlooked investment strategy to earning higher returns—include women as financial decision-makers within your organization or team. That's The XX

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Edge. Seasoned executives
and investors Patience
Marime-Ball and Ruth
Shaber demonstrate the new
paradigm where women are
at the center of investing
as agents and actors—not

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just as beneficiaries. If you manage investments—either your own or others'—you'll want to understand the data and discover the financial power of The XX Edge:

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Gender-inclusive teams are 21% more likely to see outperformance in profitability relative to peers Female CFOs deliver a 6% increase in profits and an 8% stock

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performance bump compared to overall performance under male predecessors. New companies with a female founder performed 63% better than those with all-male teams over an

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observed ten-year period
Women-run hedge funds
outperformed the average
of larger hedge funds by a
margin of 6% over a six-
and-a-half-year period
You'll discover the

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inherent gender differences between women and men and why these differences make women excellent financial decision makers and investment collaborators.

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Patience and Ruth unpack the evidence that proves this point across all asset classes. The XX Edge shows that when women make financial decisions and apply their skills across

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all capital markets, it leads to higher returns for individual investors and greater economic growth—a true win-win for all.

Bleeding Edge

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Information Technology
Applied to Anesthesiology
Gut Feelings: The
Patient's Story
Designing Systems that can
adapt to Changing
Knowledge

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Sharing Clinical Trial
Data

Report of the President's
Cancer Panel Submitted to
the President of the
United States for
Transmittal to the

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Congress of the United
States

***Cancer is a group of
different diseases (more
than 100) characterised
by uncontrolled growth
and spread of abnormal***

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cells. Cancer can arise in many sites and behave differently depending on its organ of origin. If a cancer spreads (metastasises), the new tumour bears the same

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*name as the original
(primary) tumour.*

*Significant progress has
been made in recent
years in the battle
against cancer and in
understanding its*

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underlying biological mechanisms. This research progress has resulted in many experimental treatments and cures. This book presents new and

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*important research from
around the world.*

*This volume constitutes
the refereed proceedings
of 13 international
workshops held as part
of OTM 2008 in*

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*Monterrey, Mexico, in
November 2008. The 106
revised full papers
presented were carefully
reviewed and selected
from a total of 171
submissions to the*

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*workshops. The volume
starts with 19
additional revised
poster papers of the OTM
2008 main conferences
CoopIS and ODBASE.
Topics of the workshop*

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*papers are ambient data
integration (ADI 2008),
agents and web services
merging in distributed
environment (AWeSoMe
2008), community-based
evolution of knowledge-*

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intensive systems

*(COMBEK 2008),
enterprise integration,
interoperability and
networking (EI2N 2008),
system/software
architectures (IWSSA*

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*2008), mobile and
networking technologies
for social applications
(MONET 2008), ontology
content and evaluation
in enterprise &
quantitative semantic*

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*methods for the internet
(OnToContent and QSI
2008), object-role
modeling (ORM 2008),
pervasive systems
(PerSys 2008),
reliability in*

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decentralized

distributed systems

(RDDS 2008), semantic

extensions to middleware

enabling large scale

knowledge (SEMELS 2008),

and semantic Web and Web

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semantics (SWWS 2008).

Clinical Research

Informatics

Definitions, Adoptions,

Impact, Benefits,

Maturity, Vendors

Computer Aided

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*Pharmaceuticals and Drug
Delivery*

National Cancer Program

Handbook of Research on

ICTs and Management

Systems for Improving

Efficiency in Healthcare

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and Social Care