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INTRODUCTION TO RADIOLOGIC AND IMAGING SCIENCES AND PATIENT CARE E-BOOK

Elsevier Health Sciences **Expanded and updated career content addresses professional development and advancement. Patient care content includes information on biomechanics and ergonomics of the radiologic and imaging sciences professional. Information management coverage provides an overview of health informatics for the radiologic and imaging sciences professional. Step-by-step procedures presented in boxed lists throughout the text supply you with easy-to-follow steps for clinical success. Back-of-book review questions and questions to ponder provide opportunities for further review and greater challenge. More than 300 photos and line drawings help you understand and visualize patient-care procedures. Strong pedagogy, including chapter objectives, key terms, outlines, and summaries organize information and ensure you understand what is most important in every chapter.**

PEDIATRIC NURSING CARE: A CONCEPT-BASED APPROACH

Jones & Bartlett Learning **P: Pediatric Nursing Care: A Concept-Based Approach teaches undergraduate nursing students the need to know information for working in a pediatric nursing environment.**

2020 AMERICAN HEART ASSOCIATION GUIDELINES

FOR CPR AND ECC

AN INTRODUCTION TO CLINICAL EMERGENCY MEDICINE

Cambridge University Press **Fully-updated edition of this award-winning textbook, arranged by presenting complaints with full-color images throughout. For students, residents, and emergency physicians.**

MATERNAL CRITICAL CARE

A MULTIDISCIPLINARY APPROACH

Cambridge University Press **Addresses the challenges of managing critically ill obstetric patients, with chapters authored by intensivists/anesthesiologists and obstetricians/maternal-fetal medicine specialists.**

SEPSIS MANAGEMENT IN RESOURCE-LIMITED SETTINGS

Springer **This book is open access under a CC BY 4.0 license. It constitutes a unique source of knowledge and guidance for all healthcare workers who care for patients with sepsis and septic shock in resource-limited settings. More than eighty percent of the worldwide deaths related to sepsis occur in resource-limited settings in low and middle-income countries. Current international sepsis guidelines cannot be implemented without adaptations towards these settings, mainly because of the difference in local resources and a different spectrum of infectious diseases causing sepsis. This prompted members of the Global Intensive Care working group of the European Society of Intensive Care Medicine (ESICM) and the Mahidol-Oxford Tropical Medicine Research Unit (MORU, Bangkok, Thailand) - among which the Editors – to develop with an international group of experts a comprehensive set of recommendations for the management of sepsis in resource-limited settings. Recommendations are based on both current scientific evidence and clinical experience of clinicians working in resource-limited settings. The book includes an overview chapter outlining the current challenges and future directions of sepsis management as well as general recommendations on the structure and organization of intensive care services in resource-limited settings. Specific recommendations on the recognition and management of patients with sepsis and septic shock in these settings are grouped into seven chapters. The book provides evidence-based practical guidance for doctors in low and middle income countries treating patients with sepsis, and highlights areas for further research and discussion.**

TEXTBOOK OF PATIENT SAFETY AND CLINICAL RISK MANAGEMENT

Springer Nature **Implementing safety practices in healthcare saves lives and improves the quality of care: it is therefore vital to apply good clinical practices, such as the WHO surgical checklist, to adopt the most appropriate measures for the prevention of assistance-related risks, and to identify the potential ones using tools such as reporting & learning systems. The culture of safety in the care environment and of human factors influencing it should be developed from the beginning of medical studies and in the first years of professional practice, in order to have the maximum impact on clinicians' and nurses' behavior. Medical errors tend to vary with the level of proficiency and experience, and this must be taken into account in adverse events prevention. Human factors assume a decisive importance in resilient organizations, and an understanding of risk control and containment is fundamental for all medical and surgical specialties. This open access book offers recommendations and examples of how to improve patient safety by changing practices, introducing organizational and technological innovations, and creating effective, patient-centered, timely, efficient, and equitable care systems, in order to spread the quality and patient safety culture among the new generation of healthcare professionals, and is intended for residents and young professionals in different clinical specialties.**

IBM TIVOLI DIRECTORY SERVER FOR Z/OS

IBM Redbooks **This IBM® Redbooks® publication examines the IBM Tivoli® Directory Server for z/OS®. IBM Tivoli Directory Server is a powerful Lightweight Directory Access Protocol (LDAP) infrastructure that provides a foundation for deploying comprehensive identity management applications and advanced software architectures. This publication provides an introduction to the IBM Tivoli Directory Server for z/OS that provides a brief summary of its features and a examination of the possible deployment topologies. It discusses planning a deployment of IBM Tivoli Directory Server for z/OS, which includes prerequisites, planning considerations, and data stores, and provides a brief overview of the configuration process. Additional chapters provide a detailed discussion of the IBM Tivoli Directory Server for z/OS architecture that examines the supported back ends, discusses in what scenarios they are best used, and provides usage examples for each back end. The discussion of schemas breaks down the schema and provides guidance on extending it. A broad discussion of authentication, authorization, and security examines the various access protections, bind mechanisms, and transport security available with IBM Tivoli Directory Server for z/OS. This chapter also provides an examination of the new Password Policy feature. Basic and advanced replication topologies are also covered. A discussion on plug-ins provides details on the various types of plug-ins, the plug-in architecture, and creating a plug-in, and provides an example plug-in. Integration of IBM Tivoli Directory Server for z/OS into the IBM Workload Manager environment is also covered. This publication also provides detailed information about the configuration of IBM Tivoli Directory Server for z/OS. It discusses deploying IBM Tivoli Directory Server for z/OS on a single system, with examples of configuring the available back ends. Configuration examples are also provided for deploying the server in a Sysplex, and for both basic and advanced replication topologies. Finally it provides guidance on monitoring and debugging IBM Tivoli Directory Server for z/OS.**

2020 HANDBOOK OF EMERGENCY CARDIOVASCULAR CARE FOR HEALTHCARE PROVIDERS (INTERNATIONAL ENGLISH)

20-2872

ACLS FOR EXPERIENCED PROVIDERS

MANUAL AND RESOURCE TEXT

The required student text for the classroom-based Advanced Cardiovascular Life Support for Experienced Providers (ACLS EP) course, and an important reference for Instructors. Full-color softcover, 480 pages, 8 1/2" x 11," plus the ACLS EP Systematic Approach Pocket Reference Card and the 2-card Advanced Cardiovascular Life Support (ACLS) Pocket Reference Card Set (90- 1012). Based on 2010 American Heart Association Guidelines for CPR and ECC.

PEDIATRIC RESUSCITATION

W B Saunders Company **Pediatric Resuscitation is reviewed in this issue of Pediatric Clinics of North America, guest edited by Drs. Steve Schexnayder and Arno Zaritsky. Authorities in the field have come together to pen articles on Background and Epidemiology; CPR - Why the New Emphasis?; Airway Management; Arrthymias, Cardioversion, and Defibrillation; Vascular Access and Medications; Medical Emergency Teams; Teamwork in Resuscitation; Resuscitation Education; Outcome Following Cardiac Arrest; Extracorporeal Life Support during CPR; Post-resuscitation Care; and Future Directions.**

PARALYSIS RESOURCE GUIDE

The Paralysis Resource Guide, produced by the Christopher & Dana Reeve Foundation, is a reference and lifestyle tool for people affected by paralysis. The book includes details on medical and clinical subjects related to all causes of paralysis, as well as health maintenance information. The fully-illustrated book provides a detailed overview of biomedical research, assistive technology, sports and recreation activities, legal and civil rights, social security and benefits, and numerous lifestyle options.

CARDIOPULMONARY RESUSCITATION

Springer Science & Business Media An in-depth review by leading authorities of the latest therapies and techniques for rescuing persons in cardiac arrest. The authors explore the physiology behind current state-of-the-art clinical resuscitation and translate it into practical bedside recommendations, clinical tips, and expert techniques. Topics of interest include the epidemiology of sudden death, management of ventilation, chest compression technique training, public access defibrillation, drug delivery during CPR, the latest drug therapies, and cardiac arrest in disease, pregnancy, drowning, lightning strike, and trauma. The authors also review the major ongoing research in resuscitation science that will likely affect the next set of international resuscitation guidelines.

TELEMEDICINE IN THE ICU

Springer This text provides a concise, yet comprehensive overview of telemedicine in the ICU. The first part of the book reviews common issues faced by practitioners and hospital administrators in implementing and managing tele-ICU programs, including the merits of different staffing models, the challenges of building homegrown programs versus contracting for services, and the impact of state laws and payer policies on reimbursement for tele-ICU services. The second part of the book presents the current state of evidence for and against ICU telemedicine, based on clinical trials, before-and-after implementation studies, and observational data. The third part dives deeper into specific use cases for telemedicine in the ICU, including telestroke, pediatric and cardiac intensive care, and early treatment of declining patients with sepsis. Written by experts in the field, Telemedicine in the ICU is a practical guide for intensive care physicians and hospital administrators that provides all the information necessary in building and maintaining a successful tele-ICU program.

FLIP AND SEE ECG

W.B. Saunders Company This resource aims to make interpreting ECGs more interesting, teaching recognition and interpretation in under two hours. It guides readers from the basics of anatomy and physiology through understanding and interpreting the electrocardiogram. It helps readers get to know 260 different ECG rhythms by creating them themselves. Users draw and answer questions right in the book, following a range of hands-on instructions.

HANDBOOK OF SPORTS MEDICINE AND SCIENCE, THE PARALYMPIC ATHLETE

Wiley-Blackwell This brand new Handbook addresses Paralympic sports and athletes, providing practical information on the medical issues, biological factors in the performance of the sports and physical conditioning. The book begins with a comprehensive introduction of the Paralympic athlete, followed by discipline-specific reviews from leading authorities in disability sport science, each covering the biomechanics, physiology, medicine, philosophy, sociology and psychology of the discipline. The Paralympic Athlete also addresses recent assessment and training tools to enhance the performance of athletes, particularly useful for trainers and coaches, and examples of best practice on athletes' scientific counseling are also presented. This new title sits in a series of specialist reference volumes, ideal for the use of professionals working directly with competitive athletes.

ADVENTURE AND EXTREME SPORTS INJURIES

EPIDEMIOLOGY, TREATMENT, REHABILITATION AND PREVENTION

Springer Science & Business Media Adventure and extreme sports are increasing in popularity and it is not surprising that commercial adventure tourism and the accompanying life style and fashion, have become increasingly important to world economy. These unique sports involve not only major physical endurance and mental challenges but interaction and bonding with nature. They also tend to attract and excite audiences, both at the event and in the media. They are exciting to watch and redraw the boundaries of human achievement with the accompanying risks of injury and death. Adventure sports are usually performed in beautiful, exciting and remote locations or in extreme environments far away from medical assistance. Extreme sports usually involve an element of increased risk. These risks are highlighted by the media, usually after a reported accident or fatality but may vary according to the involvement of the participant; the weekend recreational adventure sports athlete or the experienced professional. A wide variety of sports fall into the category of adventure and extreme sports and with an increasing number of disciplines, this field is ever expanding. Sports are performed in contact with the "ground"; mountain running and biking, rock climbing, ice climbing and mountaineering. In the air: skydiving and base jumping. On water: surfing, white water kayaking and rafting, board sailing and diving. And also involve mechanical vehicles and animals! Some sports may be performed as a combination of few disciplines, such as water and air, e.g. kite surfing, and as so involve very unique mechanisms of injury. Sports events can also be merged to form a multi-sport race comprising many disciplines lastly from single to multi day races. Sports may involve competition with others, against the environment or with oneself, frequently the most ferocious adversary. Adventure sports are becoming increasingly popular in the general public and a few take these sports to an extreme level with the accompanying risks. Those that do, bring such time and dedication that they become professional in terms of training, preparation and finance. More and more people are enjoying adventure sports and unfortunately increased numbers are becoming injured as a result. Future research is progressing alongside the sport development, to allow the sport mechanisms, injury patterns and predisposing factors to be better understood. It is the hope of all researchers to make the sports safer without detracting from their adventurous nature. The aim and scope of our book would be to bring the sports medicine involved ineach of these sports into one volume. We would explain each sport including subtle similarities and differences, the common injury mechanisms, patterns of injury and treatment options. Additional chapters would include the mental characteristics of adventure racers and extreme sports athletes, together with the complexities of competing in hot and cold extreme environments. The book will present chapters focussing on the sports listed below, concentrating on published literature and newly formed studies by experts in the fields of injury epidemiology, prevention, management and rehabilitation.

OPENSTACK OPERATIONS GUIDE

SET UP AND MANAGE YOUR OPENSTACK CLOUD

"O'Reilly Media, Inc." Design, deploy, and maintain your own private or public Infrastructure as a Service (IaaS), using the open source OpenStack platform. In this practical guide, experienced developers and OpenStack contributors show you how to build clouds based on reference architectures, as well as how to perform daily administration tasks. Designed for horizontal scalability, OpenStack lets you build a cloud by integrating several technologies. This approach provides flexibility, but knowing which options to use can be bewildering. Once you complete this book, you'll know the right questions to ask while you organize compute, storage, and networking resources. If you already know how to manage multiple Ubuntu machines and maintain MySQL, you're ready to: Set up automated deployment and configuration Design a single-node cloud controller Use metrics to improve scalability Explore compute nodes, network design, and storage Install OpenStack packages Use an example architecture to help simplify decision-making Build a working environment to explore an IaaS cloud Manage users, projects, and quotas Tackle maintenance, debugging, and network troubleshooting Monitor, log, backup, and restore

2015 AMERICAN HEART ASSOCIATION GUIDELINES

UPDATE FOR CPR AND ECC

PEDIATRIC ADVANCED LIFE SUPPORT STUDY GUIDE

Jems Publishing Company Updated to reflect the new 2005 emergency cardiovascular care guidelines! Popular author, Barbara Aehlert, incorporates both prehospital and hospital management of pediatric emergencies. In a concise, easy-to-read outline format, it provides the most essential information a provider needs. It is also the approved text for the American Safety & Health Institute's (ASHI)pediatric advanced life support course. For more information on ASHI courses, call 800-246-5101 or visit www.ashinstitute.org. Instructor resources available; contact your sales representative for details. An outline format featuring bulleted lists, concise tables, and a user-friendly writing style makes this comprehensive text incredibly easy to read and understand. A Pretest and a Posttest consisting of multiple choice, true/false, fill in the blank, and essay questions tests readers' overall comprehension of the material. Updated to reflect the new 2005 emergency cardiovascular care guidelines. PALS Pearl Boxes help readers apply information covered in the text to real-life clinical situations. Sidebars contain additional information relevant to the topics covered in the chapter, giving readers an opportunity for further learning. A laminated quick reference card gives practitioners easy access to critical information in the field or hospital. This convenient card includes essential information regarding respiratory and heart rates, blood pressure, basic life support interventions, Glasgow Coma Scale, airway size and equipment selection for intubation corresponding to the Broselow Resuscitation Tape, several pediatric algorithms, and pain assessment tools.

THE COMPREHENSIVE TEXTBOOK OF HEALTHCARE SIMULATION

Springer Science & Business Media The Comprehensive Textbook of Healthcare Simulation is a cohesive, single-source reference on all aspects of simulation in medical education and evaluation. It covers the use of simulation in training in each specialty and is aimed at healthcare educators and administrators who are developing their own simulation centers or programs and professional organizations looking to incorporate the technology into their credentialing process. For those already involved in simulation, the book will serve as a state-of-the-art reference that helps them increase their knowledge base, expand their simulation program's capabilities, and attract new, additional target learners. Features: • Written and edited by pioneers and experts in healthcare simulation • Personal memoirs from simulation pioneers • Each medical specialty covered • Guidance on teaching in the simulated environment • Up-to-date information on current techniques and technologies • Tips from "insiders" on funding, development, accreditation, and marketing of simulation

centers • Floor plans of simulation centers from across the United States • Comprehensive glossary of terminology

CCNA ROUTING AND SWITCHING PORTABLE COMMAND GUIDE

CCNA ROUT SWIT COM GD EPUB_3

<u>Cisco Press</u> Here are all the CCNA-level Routing and Switching commands you need in one condensed, portable resource. The CCNA Routing and Switching Portable Command Guide, Third Edition, is filled with valuable, easy-to-access information and is portable enough for use whether you're in the server room or the equipment closet. The guide summarizes all CCNA certification-level Cisco IOS® Software commands, keywords, command arguments, and associated prompts, providing you with tips and examples of how to apply the commands to real-world scenarios. Configuration examples throughout the book provide you with a better understanding of how these commands are used in simple network designs. This book has been completely updated to cover topics in the ICND1 100-101, ICND2 200-101, and CCNA 200-120 exams. Use this quick reference resource to help you memorize commands and concepts as you work to pass the CCNA Routing and Switching certification exam. The book is organized into these parts: • Part I TCP/IP v4 • Part II Introduction to Cisco Devices • Part III Configuring a Router • Part IV Routing • Part V Switching • Part VI Layer 3 Redundancy • Part VII IPv6 • Part VIII Network Administration and Troubleshooting • Part IX Managing IP Services • Part X WANs • Part XI Network Security Quick, offline access to all CCNA Routing and Switching commands for research and solutions Logical how-to topic groupings for a one-stop resource Great for review before CCNA Routing and Switching certification exams Compact size makes it easy to carry with you, wherever you go "Create Your Own Journal" section with blank, lined pages allows you to personalize the book for your needs "What Do You Want to Do?" chart inside back cover helps you to quickly reference specific tasks

SENTIMENT ANALYSIS FOR SOCIAL MEDIA

<u>MDPI</u> Sentiment analysis is a branch of natural language processing concerned with the study of the intensity of the emotions expressed in a piece of text. The automated analysis of the multitude of messages delivered through social media is one of the hottest research fields, both in academy and in industry, due to its extremely high potential applicability in many different domains. This Special Issue describes both technological contributions to the field, mostly based on deep learning techniques, and specific applications in areas like health insurance, gender classification, recommender systems, and cyber aggression detection.

OCCUPATIONAL ERGONOMICS

A PRACTICAL APPROACH

<u>John Wiley & Sons</u> The approach to the book is analogous to a toolkit. The user will open the book and locate the tool that best fits the ergonomic assessment task he/she is performing. The chapters of the book progress from the concept of ergonomics, through the various assessment techniques, and into the more complex techniques. In addition to discussing the techniques, this book presents them in a form that the readers can readily adapt to their particular situation. Each chapter, where applicable, presents the technique discussed in that chapter and demonstrates how it is used. The supporting material at the end of each chapter contains exercises, case studies and review questions. The case study section of the book presents how to use techniques to analyze a range of workplace scenarios. Topics include: The Basics of Ergonomics; Anthropometry; Office Ergonomics; Administrative Controls; Biomechanics; Hand Tools; Vibration; Workstation Design; Manual Material Handling; Job Requirements and Physical Demands Survey; Ergonomic Survey Tools; Work-related Musculoskeletal Disorders; How to Conduct an Ergonomics Assessment; and Case Studies

THE QUEST FOR ARTIFICIAL INTELLIGENCE

<u>Cambridge University Press</u> Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

LEGAL INFORMATICS

<u>Cambridge University Press</u> This cutting-edge volume offers a theoretical and applied introduction to the emerging legal technology and informatics industry.

MANAGING UNCERTAINTY IN CRISIS

EXPLORING THE IMPACT OF INSTITUTIONALIZATION ON ORGANIZATIONAL SENSEMAKING

<u>Springer</u> This book studies the variety of organizational strategies selected to cope with critical uncertainties during crises. This research formulates and applies an institutional sense-making model to explain the selection of strategies for coping with uncertainties during crises to answer the question why some organizations select a rule-based strategy to cope with uncertainties, whereas others pursue a more ad hoc-based strategy. It finds that the level of institutionalization does not affect strategy selection in the initial phase of responding to crises; that three rigidity effects can be identified in the selection of sense-making strategies once organizations have faced the failure of their selected strategies; that discontinuities in the feedback loop of sense-making do not necessarily move organizations to switch their sense-making strategies, but interact with institutionalization to contribute to switching sense-making strategies. This book bridges the gap between institutional thinking and crisis management theorizing. A major step forward in the world of crisis management studies! ——Professor Arjen Boin, Leiden University, the Netherlands In a world of increasingly complex, sociotechnical systems interacting in high-risk environments, Professor Lu's analysis of how organizations manage uncertainty is both timely and profound. ——Professor Louise K. Comfort, Director, Center for Disaster Management, University of Pittsburgh, USA Prof. Lu greatly enhances our understanding of how organizations cope with uncertainty and make sense of their challenges under the pressures of catastrophe. ——Dr. Arnold M. Howitt, Faculty Co-Director, Program on Crisis Leadership, Harvard Kennedy School, USA This book provides not only a theory of crisis management but also a key concept around which research and practice can be conducted. ——Professor Naim Kapucu, Director of School of Public Administration, University of Central Florida, USA A generic institutional model for analyzing and managing hazards, disasters and crises worldwide. ——Professor Joop Koppenjan, Erasmus University Rotterdam, the Netherlands This book has done an excellent job in opening the black box of how organizations make sense of the crisis situations they face and develop strategies to respond. It should be read by all of us who wish for a peaceful and safe world. ——Professor Lan Xue, Dean of School of Public Policy and Management, Tsinghua University, China

INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY, AND HEALTH

CHILDREN & YOUTH VERSION : ICF-CY.

<u>World Health Organization</u> This publication is a derived version of the International Classification of Functioning, Disability and Health (ICF, WHO, 2001) designed to record characteristics of the developing child and the influence of environments surrounding the child. This derived version of the ICF can be used by providers, consumers and all those concerned with the health, education, and well being of children and youth. It provides a common and universal language for clinical, public health, and research applications to facilitate the documentation and measurement of health and disability in child and youth populations.--Publisher's description.

CRISIS MANAGEMENT IN ANESTHESIOLOGY E-BOOK

<u>Elsevier Health Sciences</u> The fully updated Crisis Management in Anesthesiology continues to provide updated insights on the latest theories, principles, and practices in anesthesiology. From anesthesiologists and nurse anesthetists to emergency physicians and residents, this medical reference book will effectively prepare you to handle any critical incident during anesthesia. Identify and respond to a broad range of life-threatening situations with the updated Catalog of Critical Incidents, which outlines what may happen during surgery and details the steps necessary to respond to and resolve the crisis. React quickly to a range of potential threats with an added emphasis on simulation of managing critical incidents. Useful review for all anesthesia professionals of the core knowledge of diagnosis and management of many critical events. Explore new topics in the ever-expanding anesthesia practice environment with a detailed chapter on debriefing. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability.

CARDIAC BIOELECTRIC THERAPY

MECHANISMS AND PRACTICAL IMPLICATIONS

<u>Springer Science & Business Media</u> Pacing and defibrillation have become the leading therapeutic treatments of heart rhythm disorders, including bradycardia and tachycardia. The success of these therapies is largely due to centuries of scientific inquiry into the fundamental mechanisms of bioelectric phenomena in the heart. History of successful development of bioelectric therapies includes development of experimental and theoretical methodologies, novel bioengineering approaches, and state-of-the-art clinical implantable device therapies. The purpose of this book is to present a uniform thematic collection of reviews written by the leading basic and applied scientists working in basic bioengineering research laboratories, who have contributed to the development of current understanding of the fundamental mechanisms of pacing and electrophysiology, and who are at the leading edge of further developments in electrotherapy. The book will start from the historic overview of the subject, including the development of the pacemaker and defibrillator, evolution of theories of cardiac arrhythmias and experimental methods used in the field over the centuries. Leading experts in the field will write these chapters. The second part of the book will focus on rigorous treatment of the fundamental theory of interaction between electric field and cardiac cell, tissue, and organ. Chapters will be written by top notch

scientists, who made critically important contributions to the development of these theories. Part 3 will provide summary of several decades of research involving electrode recordings and multielectrode mapping of ventricular fibrillation and defibrillation in humans and animal models of arrhythmias. Part 4 will present new insights into defibrillation gained due to the advent of optical imaging technology, which permitted to map defibrillation without overwhelming shock-induced artifacts present in electrode recordings. Part 5 will provide rigorous overview of the methodologies, which made research of physiological and engineering aspects of electrotherapy possible. And finally, part 6 will present possible future of implantable devices and electrotherapy in the treatment of cardiac rhythm disorders.

THE BASICS OF INFORMATION SECURITY

UNDERSTANDING THE FUNDAMENTALS OF INFOSEC IN THEORY AND PRACTICE

Syngress As part of the Syngress Basics series, The Basics of Information Security provides you with fundamental knowledge of information security in both theoretical and practical aspects. Author Jason Andress gives you the basic knowledge needed to understand the key concepts of confidentiality, integrity, and availability, and then dives into practical applications of these ideas in the areas of operational, physical, network, application, and operating system security. The Basics of Information Security gives you clear-non-technical explanations of how infosec works and how to apply these principles whether you're in the IT field or want to understand how it affects your career and business. The new Second Edition has been updated for the latest trends and threats, including new material on many infosec subjects. Learn about information security without wading through a huge textbook Covers both theoretical and practical aspects of information security Provides a broad view of the information security field in a concise manner All-new Second Edition updated for the latest information security trends and threats, including material on incident response, social engineering, security awareness, risk management, and legal/regulatory issues

2020 ALCS REFERENCE CARD SET

American Heart Association **20-1120**

ESSENTIALS OF TRAUMA ANESTHESIA

Cambridge University Press **A concise review of the essential elements in the anesthetic care of the severely injured trauma patient.**

BUILDING SECURE AND RELIABLE SYSTEMS

BEST PRACTICES FOR DESIGNING, IMPLEMENTING, AND MAINTAINING SYSTEMS

O'Reilly Media Can a system be considered truly reliable if it isn't fundamentally secure? Or can it be considered secure if it's unreliable? Security is crucial to the design and operation of scalable systems in production, as it plays an important part in product quality, performance, and availability. In this book, experts from Google share best practices to help your organization design scalable and reliable systems that are fundamentally secure. Two previous O'Reilly books from Google—Site Reliability Engineering and The Site Reliability Workbook—demonstrated how and why a commitment to the entire service lifecycle enables organizations to successfully build, deploy, monitor, and maintain software systems. In this latest guide, the authors offer insights into system design, implementation, and maintenance from practitioners who specialize in security and reliability. They also discuss how building and adopting their recommended best practices requires a culture that's supportive of such change. You'll learn about secure and reliable systems through: Design strategies Recommendations for coding, testing, and debugging practices Strategies to prepare for, respond to, and recover from incidents Cultural best practices that help teams across your organization collaborate effectively

AIRWAY MANAGEMENT IN EMERGENCIES

PMPH-USA Written by international experts in a style that's concise, practical and to the point, Airway Management in Emergencies covers all the options -- both medical and surgical -- for managing any patient's airway in an emergency. Here, you'll find the core knowledge and accompanying management protocols necessary to assess, oxygenate, intubate, and monitor patients requiring emergency airway management. In each chapter, this high-yield coverage is supported by evidence-based algorithms, synoptic tips, and real-world case studies that show you how to resolve any difficult airway scenario you would likely encounter in clinical practice.

HEALTH CARE FACILITIES CODE HANDBOOK

UNPLUGGED

RECLAIMING OUR RIGHT TO DIE IN AMERICA

Amacom Books Medical technology has helped mankind conquer tuberculosis, polio, and countless other once certain-death diseases. It has given us hope against cancer and AIDS, allowed heart and brain surgeries that have saved untold numbers of lives, and delivered us from the pain and crippling legacy of injury. Medical technology, it seems, is a never-ending string of miracles. But it is also a double-edged sword. More often than not, death today happens because of a decision to stop doing something, or to not do it at all. As the tragic life and death of Terri Schiavo so poignantly illustrated, universal definitions of life, death, nature, and many other concepts are elusive at best. Unplugged addresses the fundamental questions of the right-to-die debate, and discusses how the medical advances that bring so much hope and healing have also helped to create today's dilemma. This compelling book explores recent high-profile cases, including that of Mrs. Schiavo, and illuminates the complex legal, ethical, medical, and deeply personal issues of a debate that ultimately affects us all. Compassionate and beautifully written, the book helps readers understand the implications of current laws and proposed legislation, various medical options (including hospice), and the typical end-of-life decisions we all must face in order to make informed decisions for ourselves and our loved ones. The hardcover edition of Unplugged was chosen by The Library Journal as one of the Best Consumer Health Books of 2006.

DATA FEMINISM

MIT Press A new way of thinking about data science and data ethics that is informed by the ideas of intersectional feminism. Today, data science is a form of power. It has been used to expose injustice, improve health outcomes, and topple governments. But it has also been used to discriminate, police, and surveil. This potential for good, on the one hand, and harm, on the other, makes it essential to ask: Data science by whom? Data science for whom? Data science with whose interests in mind? The narratives around big data and data science are overwhelmingly white, male, and techno-heroic. In Data Feminism, Catherine D'Ignazio and Lauren Klein present a new way of thinking about data science and data ethics—one that is informed by intersectional feminist thought. Illustrating data feminism in action, D'Ignazio and Klein show how challenges to the male/female binary can help challenge other hierarchical (and empirically wrong) classification systems. They explain how, for example, an understanding of emotion can expand our ideas about effective data visualization, and how the concept of invisible labor can expose the significant human efforts required by our automated systems. And they show why the data never, ever "speak for themselves." Data Feminism offers strategies for data scientists seeking to learn how feminism can help them work toward justice, and for feminists who want to focus their efforts on the growing field of data science. But Data Feminism is about much more than gender. It is about power, about who has it and who doesn't, and about how those differentials of power can be challenged and changed.

ADVANCED PAEDIATRIC LIFE SUPPORT

A PRACTICAL APPROACH TO EMERGENCIES

John Wiley & Sons Advanced Paediatric Life Support is the internationally renowned manual on emergency paediatric care, written to support the course run by the Advanced Life Support Group. Using their structured approach, a tried and tested practical method of treating children during the crucial first few hours of a life threatening illness or injury, Advanced Paediatric Life Support is used by doctors, nurses and allied health professionals dealing with emergencies in children. Its clear layout and straightforward style make it a highly practical tool both for training and in the event of an emergency. The sixth edition includes major new features bringing it right up to date, including: The latest International Liaison Committee on Resuscitation (ILCOR) 2015 Guidelines The latest consensus guidelines on paediatric trauma Enhanced discussions on the importance of human factors A new and improved design including full colour photographs and diagrams Free access to the Wiley E-Text With this book at hand, all those providing care during paediatric emergencies can be confident in having comprehensive and authoritative guidance on the recognition and management of life threatening conditions necessary to save a child's life. This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from iTunes, Google Play or the MedHand Store.

THE HISTORY AND FUTURE OF THE WORLD TRADE ORGANIZATION

The History and Future of the World Trade Organization is a comprehensive account of the economic, political and legal issues surrounding the creation of the WTO and its evolution. Fully illustrated with colour and black-and-white photos dating back to the early days of trade negotiations, the publication reviews the WTO's achievements as well as the challenges faced by the organisation, and identifies the key questions that WTO members need to address in the future. The book describes the intellectual roots of the trading system, membership of the WTO and the growth of the Geneva trade community, trade negotiations and the development of coalitions among the membership, and the WTO's relations with other international organisations and civil society. Also covered are the organisation's robust dispute settlement rules, the launch and evolution of the Doha Round, the rise of regional trade agreements, and the leadership and management of the WTO.