

## Split Body Ball Valves Boehmer Gmbh

Composers and sound artists have explored for decades how to transform microphones and loudspeakers from “inaudible” technology into genuinely new musical instruments. While the sound reproduction industry had claimed perfect high fidelity already at the beginning of the twentieth century, these artists found surprising ways of use – for instance tweaking microphones, swinging loudspeakers furiously around, ditching microphones in all kinds of vessels, or strapping loudspeakers to body parts of the audience. *Between air and electricity* traces their quest and sets forward a new theoretical framework, providing historic background on technological and artistic development, and diagrams of concert and performance set-ups. From popular noise musician Merzbow to minimalist classic Alvin Lucier, cult instrument inventor Hugh Davies, or contemporary visual artist Lynn Pook – they all aimed to make audible what was supposed to remain silent. [www.microphonesandloudspeakers.com](http://www.microphonesandloudspeakers.com)

The treatment of end-stage heart failure with advanced surgical therapies has evolved significantly over the last several years and is a dynamic subspecialty within cardiac surgery. *Surgical Treatment for Advanced Heart Failure* describes the surgical management of advanced heart failure, including coronary artery revascularization, mitral valve repair, aortic valve replacement, ventricular remodeling, cardiac resynchronization, mechanical circulatory support with short-term devices for acute stabilization, long-term mechanical support as a bridge to transplant and for destination therapy, left ventricular assist devices, complete cardiac replacement with the total artificial heart, and cardiac transplantation. With contributions from a distinguished group of heart failure cardiologists and transplant surgeons, it is an authoritative resource for cardiac surgeons, cardiologists, and surgeons.

Pediatric respiratory disorders are responsible for a number of acute and chronic health conditions and are a leading cause of pediatric emergency room visits and hospitalizations. More than ever, nurses and nurse practitioners must have an understanding of the anatomy, pathophysiology, diagnosis and state of the art treatments in pediatric respiratory disease as they are often the first to come in contact with and recognize respiratory problems in children. *Nursing Care in Pediatric Respiratory Disease* seeks to provide both nurses and nurse practitioners with this information in order to aid them in the diagnosis and treatment of children suffering from acute and chronic respiratory disorders. *Nursing Care in Pediatric Respiratory Disease* opens with an overview of the anatomy and physiology of the respiratory system, best practices for assessing respiratory symptoms in children, and common respiratory therapies and treatment methods. It then proceeds through an examination of varying acute and chronic upper and lower respiratory diseases spanning from asthma and cystic fibrosis to vocal cord paralysis and sinusitis in both hospital and ambulatory settings. *Nursing Care in Pediatric Respiratory Disease* provides nurses and other health care providers with a comprehensive and practical resource which allows them to collaborate and advocate more effectively, as well as educate both the family and child in management of respiratory disorders.

This volume brings together, from a wide range of experience, such information as may be useful in recognizing, avoiding, controlling, designing for, and correcting movement. Current geologic concepts and engineering principles and techniques are

introduced, and both the analysis and control of soil and rock-slopes are addressed. New methods of stability analysis and the use of computer techniques in implementing these methods are included. Rock slope engineering and the selecting of shear-strength parameters for slope-stability analyses are covered in separate chapters.

The author covers the development of the electronic musical instrument from Thaddeus Cahill's Telharmonium at the turn of the last century to the MIDI synthesizers of the 1990s. --book cover.

This book examines the health/fitness interaction in an historical context. Beginning in primitive hunter-gatherer communities, where survival required adequate physical activity, it goes on to consider changes in health and physical activity at subsequent stages in the evolution of "civilization." It focuses on the health impacts of a growing understanding of medicine and physiology, and the emergence of a middle-class with the time and money to choose between active and passive leisure pursuits. The book reflects on urbanization and industrialization in relation to the need for public health measures, and the ever-diminishing physical demands of the work-place. It then evaluates the attitudes of prelates, politicians, philosophers and teachers at each stage of the process. Finally, the book explores professional and governmental initiatives to increase public involvement in active leisure through various school, worksite, recreational and sports programmes.

Principles and Concepts of Behavioral Medicine A Global Handbook Edwin B. Fisher, Linda D. Cameron, Alan J. Christensen, Ulrike Ehler, Brian Oldenburg, Frank J. Snoek and Yan Guo This definitive handbook brings together an international array of experts to present the broad, cells-to-society perspectives of behavioral medicine that complement conventional models of health, health care, and prevention. In addition to applications to assessment, diagnosis, intervention, and management, contributors offer innovative prevention and health promotion strategies informed by current knowledge of the mechanisms and pathways of behavior change. Its range of conceptual and practical topics illustrates the central role of behavior in health at the individual, family, community, and population levels, and its increasing importance to person-centered care. The broad perspectives on risk (e.g., stress, lifestyle), management issues (e.g., adherence, social support), and overarching concerns (e.g., inequities, health policy) makes this reference uniquely global as it addresses the following core areas: · The range of relationships and pathways between behavior and health. · Knowing in behavioral medicine; epistemic foundations. · Key influences on behavior and the relationships among behavior, health, and illness. · Approaches to changing behavior related to health. · Key areas of application in prevention and disease management. · Interventions to improve quality of life. · The contexts of behavioral medicine science and practice. Principles and Concepts of Behavioral Medicine opens out the contemporary world of behavior and health to enhance the work of behavioral medicine specialists, health psychologists, public health professionals and policymakers, as well as physicians, nurses, social workers and those in many other fields of health practice around the world.

After decades of research and development, concentrating solar thermal (CST) power plants (also known as concentrating solar power (CSP) and as Solar Thermal Electricity or STE systems) are now starting to be widely commercialized. Indeed, the IEA predicts that by 2050, with sufficient support over ten percent of global electricity could be produced by concentrating solar thermal

power plants. However, CSP plants are just but one of the many possible applications of CST systems. Advances in Concentrating Solar Thermal Research and Technology provides detailed information on the latest advances in CST systems research and technology. It promotes a deep understanding of the challenges the different CST technologies are confronted with, of the research that is taking place worldwide to address those challenges, and of the impact that the innovation that this research is fostering could have on the emergence of new CST components and concepts. It is anticipated that these developments will substantially increase the cost-competitiveness of commercial CST solutions and reshape the technological landscape of both CST technologies and the CST industry. After an introductory chapter, the next three parts of the book focus on key CST plant components, from mirrors and receivers to thermal storage. The final two parts of the book address operation and control and innovative CST system concepts. Contains authoritative reviews of CST research taking place around the world Discusses the impact this research is fostering on the emergence of new CST components and concepts that will substantially increase the cost-competitiveness of CST power Covers both major CST plant components and system-wide issues

The beloved debut novel about an affluent Indian family forever changed by one fateful day in 1969, from the author of *The Ministry of Utmost Happiness* NEW YORK TIMES BESTSELLER • MAN BOOKER PRIZE WINNER Compared favorably to the works of Faulkner and Dickens, Arundhati Roy's modern classic is equal parts powerful family saga, forbidden love story, and piercing political drama. The seven-year-old twins Estha and Rahel see their world shaken irrevocably by the arrival of their beautiful young cousin, Sophie. It is an event that will lead to an illicit liaison and tragedies accidental and intentional, exposing "big things [that] lurk unsaid" in a country drifting dangerously toward unrest. Lush, lyrical, and unnerving, *The God of Small Things* is an award-winning landmark that started for its author an esteemed career of fiction and political commentary that continues unabated.

A previous AJN Book-of-the-Year Award winner, Burns & Grove's *The Practice of Nursing Research: Appraisal, Synthesis, and Generation of Evidence*, 9th Edition is the trusted resource for those wanting to master the research methods that are foundational to evidence-based practice. This highly respected textbook covers how to appraise and apply existing research evidence, as well as how to participate in research and quality improvement projects. This new 9th edition has been extensively updated to reflect today's focus on online research in the digital era and includes clear, step-by-step guidelines for all major quantitative and qualitative research approaches — including supporting examples from the latest high-quality literature. There's also new content on translational research, coverage of the most current research tools and techniques, and an increased use of illustrations, tables, and other visuals to help engage visually oriented readers of all levels. Coverage of quantitative, qualitative, and other research methodologies provides a solid foundation to conduct, appraise, and apply research evidence to the realities of today's clinical practice. Balanced

coverage of qualitative and quantitative methods addresses the qualitative research methodologies that are often the starting point of research projects, particularly in magnet hospitals and DNP programs. Clear, comprehensive coverage is organized into five units that include: an introduction to nursing research; coverage of the research process; application for evidence-based health care; how to analyze data, determine outcomes, and disseminate research; and how to propose and seek funding for research. Strong emphasis on evidence-based practice addresses this key graduate-level QSEN competency and reinforces how to generate research evidence and appraise and synthesize existing research for application to clinical practice. Rich examples from nursing literature bring research principles to life. Emphasis on the most currently used research methodologies focuses on the methods used in both quantitative research and qualitative research, as well as outcomes research and mixed-methods research. Coverage of digital data collection examines the use of online research tools. Quick-reference summaries include a table of research methods inside the front cover and a list of types of research syntheses (with definitions) inside the back cover. Helpful user resources are included with each new text purchase on the companion Evolve website and feature 400 interactive review questions along with a library of 10 full-text research articles.

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Stereotactic body radiation therapy (SBRT) has emerged as an important innovative treatment for various primary and metastatic cancers. This book provides a comprehensive and up-to-date account of the physical/technological, biological, and clinical aspects of SBRT. It will serve as a detailed resource for this rapidly developing treatment modality. The organ sites covered include lung, liver, spine, pancreas, prostate, adrenal, head and neck, and female reproductive tract. Retrospective studies and prospective clinical trials on SBRT for various organ sites from around the world are examined, and toxicities and normal tissue constraints are discussed. This book features unique insights from world-renowned experts in SBRT from North America, Asia, and Europe. It will be necessary reading for radiation oncologists, radiation oncology residents and fellows, medical physicists, medical physics residents, medical oncologists, surgical oncologists, and cancer scientists.

This fourth edition of Plant Systematics is completely revised and updated. It incorporates the updated International Code of Nomenclature for Algae, Fungi and Plants (Shenzhen Code, 2018), the new version of PhyloCode (Beta version of PhyloCode 5, 2014), APweb version 14 (September, 2018), revised Angiosperm Phylogeny Group classification (APG IV, 2016), new Pteridophyte Phylogeny Group Classification (PPG I, 2016), besides the updates since the publication of third edition. The book is a blend of classical fundamental aspects and recent developments, especially in the field of molecular systematics, cladistics and computer identification. Special attention has been given to information on

botanical nomenclature, identification, molecular systematics and phylogeny of angiosperms. The complicated concepts of phylogeny, taxometrics and cladistics have been explained with a view to providing a comparison between these diverse but interactive fields of study. An attempt has been made to build upon a common example when exploring different methods, especially in procedures of identification, taxometrics and cladistics. The major systems of classification are evaluated critically. Discussion on major families of Pteridophytes, Gymnosperms and Angiosperms, especially those of major phylogenetic interest, form a major portion of this edition. The ebook includes nearly 500 color photographs set out in 36 pages covering plants from different parts of the world. In addition, 305 black & white illustrations have been included to provide a better understanding of the plants covered in the book.

The Handbook of Reference Methods for Plant Analysis is an outstanding resource of plant analysis procedures, outlined in easy-to-follow steps and laboratory-ready for implementation. Plant laboratory preparation methods such as dry ashing and acid and microwave digestion are discussed in detail. Extraction techniques for analysis of readily soluble elements (petiole analysis) and quick test kits for field testing are also presented. This handbook consolidates proven, time tested methods in one convenient source. Plant scientists in production agriculture, forestry, horticulture, environmental sciences, and other related disciplines will find the Handbook a standard laboratory reference. The Handbook was written for the Soil and Plant Analysis Council, Inc., of which the editor is a board member. The council aims to promote uniform soil test and plant analysis methods, use, interpretation, and terminology; and to stimulate research on the calibration and use of soil testing and plant analysis. This reference will help readers reach these important goals in their own research.

?Margaret Thatcher was prime minister from 1979 to 1990, during which time her Conservative administration transformed the political landscape of Britain. Science Policy under Thatcher is the first book to examine systematically the interplay of science and government under her leadership. Thatcher was a working scientist before she became a professional politician, and she maintained a close watch on science matters as prime minister. Scientific knowledge and advice were important to many urgent issues of the 1980s, from late Cold War questions of defence to emerging environmental problems such as acid rain and climate change. Drawing on newly released primary sources, Jon Agar explores how Thatcher worked with and occasionally against the structures of scientific advice, as the scientific aspects of such issues were balanced or conflicted with other demands and values. To what extent, for example, was the freedom of the individual scientist to choose research projects balanced against the desire to secure more commercial applications? What was Thatcher's stance towards European scientific collaboration and commitments? How did cuts in public expenditure affect the publicly funded research and teaching of universities? In weaving together numerous topics, including AIDS and bioethics, the nuclear industry and strategic defence, Agar adds to the picture we have of Thatcher

and her radically Conservative agenda, and argues that the science policy devised under her leadership, not least in relation to industrial strategy, had a prolonged influence on the culture of British science.

This fifth edition of "Engineering Physiology" has the same purpose as the earlier prints: to provide physiological information which engineers, designers, supervisors, managers and other planners need to make work and equipment "fit the human." Chapters have been revised, figures and tables updated. New material discusses, among other topics, models of the human body that provide practical and design-oriented information, biomechanics describing the body's capabilities and limitations, effects of shift work / sleep loss on attitude and performance, and new techniques to measure body sizes and the resultant changes in applications of that information. The book does not replace standard (biological-medical-chemical) textbooks on human physiology; instead, it provides information on human features and functions which are basic to ergonomics or human (factors) engineering, terms often used interchangeably. It helps lay the foundations for teamwork among engineers and physiologists, biologists and physicians. Bioengineering topics concern bones and tissues, neural networks, biochemical processes, bio- and anthromechanics, biosensors, perception of information and related actions, to mention just a few areas of common interest. Such understanding provides the underpinnings for devising work tasks, tools, workplaces, vehicles, work-rest schedules, human-machine systems, homes and designed environments so that we humans can work and live safely, efficiently and comfortably.

Made to BreakTechnology and Obsolescence in AmericaHarvard University Press

This collection of original chapters brings together cutting-edge research on informal education - that is, learning practices that emphasise dialogue and learning through everyday life. For the first time, it highlights the way in which geography matters to informal education practices. Through a range of examples from the nineteenth, twentieth and twenty-first centuries, and from a range of geographical contexts, the authors explore the relationship between history, geography and practice in the field of informal education. Case studies include youth work, Scouting, Guiding, Care Farms, youth music programmes and the use of online/information technologies. This book will be of interest to geographers and sociologists of education, childhood and youth scholars. It also provides an engaging resource and collection of case studies for educators, youth workers and other professionals who work with young people.

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Acute heart failure is a potentially life threatening situation where correct, rapid therapy can have a life saving impact. In this rapidly changing

area of medicine this text aims to bring the latest understanding of the pathophysiology together with a practical guide to diagnosis and management using a thoroughly evidence based approach. This will appeal to a wide audience of health care professionals who will treat patients with acute heart failure, including doctors, medical students, nurses, and other professionals in the Emergency Department, General Internal Medicine, Anaesthetics, Cardiology (Medicine and Surgery) and Critical Care settings. It may be used as an evidence based guide for the junior practitioner or as an aide-memoire for the more senior. Always keeping the underlying pathophysiology at the forefront of the discussion, the reader is encouraged to understand the aetiology of the acute situation and how to direct management in order to correct the abnormal physiology. Each chapter is heavily referenced allowing the reader to easily refer to the original experimental studies and pursue topics in more detail if required. This text is a valuable addition to any practitioner who treats patients with acute heart failure and wants a deeper understanding of the condition.

Prestigious and authoritative, this fully updated fourteenth edition of Simpson's Forensic Medicine remains a classic; one of the world's leading introductory texts in the field of forensic medicine. It presents all that the generalist or student needs to know about the interface between medicine and the law.

Cardiac Surgery Essentials for Critical Care Nursing, Third Edition is an indispensable resource for new and experienced nurses caring for patients in critical care units immediately following cardiac surgery and in the transitioning to home. With an evidence-based foundation, the Third Edition addresses nursing knowledge to meet the needs of acutely ill patients and strategies to optimizing patient outcomes in this dynamic field. Vital information has been added and updated to reflect significant changes in cardiac surgery as well as four new chapters based on needs of patients, families, and readers. These new chapters address nutritional issues, post ICU-care, psychological and spiritual support, and rehabilitation care post cardiac surgery.

Made to Break is a history of twentieth-century technology as seen through the prism of obsolescence. Giles Slade explains how disposability was a necessary condition for America's rejection of tradition and our acceptance of change and impermanence. This book gives us a detailed and harrowing picture of how, by choosing to support ever-shorter product lives, we may well be shortening the future of our way of life as well.

Adhesives in general and structural adhesives in particular are the subjects of much academic interest as well as commercial importance. Structural bonding, as a method of joining, offers a number of advantages over mechanical fastening. However, in order to achieve satisfactory results, the proper adhesive must be selected and the appropriate bonding procedures followed. The purpose of Structural Adhesives: Chemistry and Technology is to review the major classes of structural adhesives and the principles of adhesion and bonding as these relate to structural joints. Each chapter provides an overview of the topic under discussion with a list of references to the relevant literature. In addition to describing the chemistry involved, other aspects of structural adhesive technology are covered, such as formula tion, testing, and end uses. Some structural adhesives, especially epoxies and phenolics, have a long history of successful use and are now widely employed. Others, such as the structural acrylics and cyanoacrylates, are beginning to gain industrial acceptance. Urethanes and anaerobics have limited but important uses, while high-temperature adhesives are still largely in the research and development stage. "The book is aimed at medical students and residents, in fields from internal medicine and pediatrics to emergency medicine, surgery, neurology, neurosurgery, and psychiatry, who are likely to encounter patients with disordered states of

consciousness. It includes historical background and basic neurophysiology that is important for those in the clinical neurosciences, but also lays out a practical approach to the comatose patient that is an important part of the repertoire of all clinicians who provide emergency care for patients with disorders of consciousness."--BOOK JACKET.

This book is primarily for researchers and students in the archaeology of the Ancient Near East. The volume results from intense interaction between archaeologists at these sites and a group of theorists studying the scholarship of René Girard.

This open access book presents a comprehensive overview of dilated cardiomyopathy, providing readers with practical guidelines for its clinical management. The first part of the book analyzes in detail the disease's pathophysiology, its diagnostic work up as well as the prognostic stratification, and illustrates the role of genetics and gene-environment interaction. The second part presents current and future treatment options, highlighting the importance of long-term and individualized treatments and follow-up. Furthermore, it discusses open issues, such as the apparent healing phenomenon, the early prognosis of arrhythmic events or the use of genetic testing in clinical practice. Offering a multidisciplinary approach for optimizing the clinical management of DCM, this book is an invaluable aid not only for the clinical cardiologists, but for all physicians involved in the care of this challenging disease. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

A free ebook version of this title will be available through Luminos, University of California Press' Open Access publishing program for monographs. Visit [www.luminosoa.org](http://www.luminosoa.org) to learn more. High-Tech Trash analyzes creative strategies in glitch, noise, and error to chart the development of an aesthetic paradigm rooted in failure. Carolyn L. Kane explores how technologically influenced creative practices, primarily from the second half of the twentieth and first quarter of the twenty-first centuries, critically offset a broader culture of pervasive risk and discontent. In so doing, she questions how we continue onward, striving to do better and acquire more, despite inevitable disappointment. High-Tech Trash speaks to a paradox in contemporary society in which failure is disavowed yet necessary for technological innovation. Clifford B. Saper, Chair of Neurology at Harvard Medical School, and Nicholas D. Schiff of Weill Medical College in NY join the original authors to thoroughly update this seminal text with over 90% new material. the goal of the new edition is to provide a clinically slanted volume that will help the reader understand and diagnose severe brain dysfunction both as it exists and as it evolves in the seriously ill. the book remains a treatise on pathophysiology because recent imaging, electrophysiologic, and biochemical technologies (discussed in the book) are by themselves insufficient substitute Handmade Electronic Music: The Art of Hardware Hacking provides a long-needed, practical, and engaging introduction

for students of electronic music, installation and sound-art to the craft of making--as well as creatively cannibalizing--electronic circuits for artistic purposes. Designed for practioners and students of electronic art, it provides a guided tour through the world of electronics, encouraging artists to get to know the inner workings of basic electronic devices so they can creatively use them for their own ends. Handmade Electronic Music introduces the basic of practical circuitry while instructing the student in basic electronic principles, always from the practical point of view of an artist. It teaches a style of intuitive and sensual experimentation that has been lost in this day of prefabricated electronic musical instruments whose inner workings are not open to experimentation. It encourages artists to transcend their fear of electronic technology to launch themselves into the pleasure of working creatively with all kinds of analog circuitry. This book provides both a handy reference to the scientific names of plants and a clearly written account of the ways in which the naming of plants has changed with time and why these changes were necessary. It deals with the problems of using common names for plants against the historical background of our increasing discrimination of kinds of plants. It then goes on to consider landmarks in the standardization of both common and 'scientific' names and the development of internationally agreed principles governing the format and use of names in botany, sylviculture, agriculture and horticulture. From the alphabetical list the reader may interpret the scientific names of plants from any part of the world. For this second edition a number of changes and corrections in both parts have been made. The author has attempted to keep the first part acceptable to the amateur gardener by resisting a temptation to make it a definite guide to the International Code of Botanical Nomenclature. Others have done this already and with great clarity. Revision has allowed the inclusion of a brief comment on both synonymous and illegitimate botanical names and reference to recent attempts to accommodate the various traits and interests in the naming and names of cultivated plants.

There is no more fundamental resource than water. The basis of all life, water is fast becoming a key issue in today's world, as well as a source of conflict. This fascinating book, which sets out many of the ingenious methods by which ancient societies gathered, transported and stored water, is a timely publication as overextraction and profligacy threaten the existence of aquifers and watercourses that have supplied our needs for millennia. It provides an overview of the water technologies developed by a number of ancient civilizations, from those of Mesopotamia and the Indus valley to later societies such as the Mycenaeans, Minoans, Persians, and the ancient Egyptians. Of course, no book on ancient water technologies would be complete without discussing the engineering feats of the Romans and Greeks, yet as well as covering these key civilizations, it also examines how ancient American societies from the Hohokams to the Mayans and Incas husbanded their water supplies. This unusually wide-ranging text could offer today's parched world some solutions to the impending crisis in our water supply. "This book provides valuable insights into the water technologies

developed in ancient civilizations which are the underpinning of modern achievements in water engineering and management practices. It is the best proof that "the past is the key for the future." Andreas N. Angelakis, Hellenic Water Supply and Sewerage Systems Association, Greece "This book makes a fundamental contribution to what will become the most important challenge of our civilization facing the global crisis: the problem of water. Ancient Water Technologies provides a complete panorama of how ancient societies confronted themselves with the management of water. The role of this volume is to provide, for the first time on this issue, an extensive historical and scientific reconstruction and an indication of how traditional knowledge may be employed to ensure a sustainable future for all." Pietro Laureano, UNESCO expert for ecosystems at risk, Director of IPOGEO-Institute of Traditional Knowledge, Italy

The book provides a clear overview of the various research stages of cardiac surgery, interventional cardiology, and cardiac anesthesia. It also deals with recent advances in minimally invasive surgery, robotic surgery, and many other innovations introduced in this field. However, aim of this volume is not only to describe the evolution of the discipline, but also to give the occasion of revisiting old and forgotten ideas that could be used successfully also nowadays if supported by modern technologies. With contributions by renowned international experts, the volume will be a very useful tool for students, residents, cardiac surgery and anesthesia professionals, cardiologists, biomedical engineers, and researchers. This is a unique, extensively illustrated dictionary of terms, people, events, and dates spanning the entire history of medicine. It is a monumental work of scholarship totaling some 700 double-column pages with a large number of rare and exceptional illustrations from many original sources painstakingly compiled over years of far-searching inquiry involving more than 5,000 books and hundreds of journals. It is a major resource of hard-to-find information about notable medical figures, instruments, conditions, procedures, and dates and a storehouse of captivating anecdotes and background material. The book contains a wealth of material for concise historical introductions to a broad range of subjects and is the sine qua non authority on both well and little known facts of medical history. With this single volume-an unprecedented tour de force representing more than 7,000 hours of exhaustive research-clinicians and researchers from all fields of medicine can quickly and easily find authoritative, detailed definitions and descriptions, with dates, of medical terms and of the people and events contributing to the development of medicine from earliest times to the present day. The entries range widely from such as abacterial pyuria to zygote, including Latin and Greek origins of terms, compact biographies with dates, eponymic information of all kinds, and rarely seen drawings and photographs of antique medical instruments and little-known conditions.

This book describes the approach to anesthetic and perioperative management in different categories of high-risk patient scheduled to undergo elective noncardiac surgery. Individual sections focus on patients with conditions entailing cardiac

and hemodynamic risks, respiratory risks, renal and metabolic risks, neurological risks, and other forms of risk. For each condition, up-to-date guidance is provided on risk evaluation, risk stratification, and intraoperative and postoperative anesthetic management. This is the first time that such different clinical situations have been gathered together in a single textbook of anesthesiology. All of the authors are international experts with extensive clinical experience. The aim is to provide trainee anesthesiologists with clear guidance that will prove invaluable when managing a wide range of patients with serious illnesses or conditions that pose a significant anesthetic risk. The book will also serve as a valuable reference for more experienced anesthesiologists and intensivists.

In recent years the pace of research in prostate cancer has increased dramatically. Creative ideas in combination with new and emerging technologies have led to an explosion of discovery. These types of advances in prostate cancer research presage an era of new treatment strategies based on an understanding of the cellular and molecular mechanisms of disease. In creating this book, we aimed to cover a broad "bench to bedside" research spectrum ranging from: genetic, molecular and cellular analyses to epidemiological studies, refinements in local treatment strategies and new biologically based non-hormonal treatments for systemic disease. Researchers and clinicians will find in this book a group of timely and clinically relevant chapters on prostate cancer research and treatment.

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